

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060605.D
 Acq On : 18 Mar 2020 20:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:59:47 PM

Quant Time: Mar 19 07:45:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137074	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.57	113	102319	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.08	98	411639	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	150612	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	101368	51.432	ug/l	99
3) Chloromethane	2.04	50	174483	47.401	ug/l	100
4) Vinyl Chloride	2.16	62	143252	49.755	ug/l	100
5) Bromomethane	2.54	94	61555	49.526	ug/l	98
6) Chloroethane	2.68	64	85390	51.486	ug/l	99
7) Trichlorofluoromethane	3.00	101	179218	50.531	ug/l	100
8) Diethyl Ether	3.38	74	72617	50.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	103210	50.221	ug/l	99
10) Methyl Iodide	3.93	142	99962	54.663	ug/l	99
11) Tert butyl alcohol	4.73	59	97170	236.286	ug/l	100
12) 1,1-Dichloroethene	3.72	96	109692	49.739	ug/l	98
13) Acrolein	3.57	56	102609	225.131	ug/l	99
14) Allyl chloride	4.29	41	189761	48.923	ug/l	100
15) Acrylonitrile	4.94	53	315425	260.836	ug/l	99
16) Acetone	3.78	43	247165	249.539	ug/l	99
17) Carbon Disulfide	4.03	76	333445	49.715	ug/l	100
18) Methyl Acetate	4.29	43	141810	50.865	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	378609	49.933	ug/l	96
20) Methylene Chloride	4.52	84	121578	49.898	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	115597	49.181	ug/l	94
22) Diisopropyl ether	5.92	45	422909	51.608	ug/l	97
23) Vinyl Acetate	5.86	43	1756427	262.698	ug/l	100
24) 1,1-Dichloroethane	5.81	63	227393	50.902	ug/l	98
25) 2-Butanone	6.80	43	413213	257.811	ug/l	99
26) 2,2-Dichloropropane	6.80	77	175865	50.035	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134999	50.543	ug/l	100
28) Bromochloromethane	7.17	49	105941	49.567	ug/l	100
29) Tetrahydrofuran	7.18	42	287664	253.666	ug/l	100
30) Chloroform	7.35	83	216871	50.640	ug/l	100
31) Cyclohexane	7.63	56	216024	47.966	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	189027	51.200	ug/l	99
36) 1,1-Dichloropropene	7.77	75	169631	50.312	ug/l	100
37) Ethyl Acetate	6.89	43	182669	50.142	ug/l	99
38) Carbon Tetrachloride	7.75	117	152639	50.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	198405	49.518	ug/l	99
40) Benzene	8.02	78	505487	49.665	ug/l	100
41) Methacrylonitrile	7.14	41	69391m	44.632	ug/l	
42) 1,2-Dichloroethane	8.10	62	174683	50.220	ug/l	99
43) Isopropyl Acetate	8.14	43	302880	50.412	ug/l	100
44) Trichloroethene	8.82	130	129162	50.341	ug/l	100
45) 1,2-Dichloropropane	9.10	63	136921	50.983	ug/l	97
46) Dibromomethane	9.19	93	81949	50.473	ug/l	99
47) Bromodichloromethane	9.39	83	171071	50.704	ug/l	99
48) Methyl methacrylate	9.18	41	133431	49.881	ug/l	98
49) 1,4-Dioxane	9.18	88	28804	905.922	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	888485	259.877	ug/l	100
52) Toluene	10.14	92	308495	50.188	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	199410	51.454	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	214881	50.541	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	117478	49.679	ug/l	98
56) Ethyl methacrylate	10.42	69	193646	52.518	ug/l	100
57) 1,3-Dichloropropane	10.70	76	208226	50.743	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	480115	261.989	ug/l	99
59) 2-Hexanone	10.74	43	641698	260.557	ug/l	99
60) Dibromochloromethane	10.89	129	124338	50.902	ug/l	99
61) 1,2-Dibromoethane	11.00	107	122099	51.348	ug/l	100
64) Tetrachloroethene	10.62	164	126130	50.530	ug/l	98
65) Chlorobenzene	11.43	112	315763	50.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	115467	50.715	ug/l	98
67) Ethyl Benzene	11.50	91	591516	50.582	ug/l	99
68) m/p-Xylenes	11.62	106	437258	100.621	ug/l	98
69) o-Xylene	11.94	106	209884	50.594	ug/l	100
70) Styrene	11.96	104	352857	52.008	ug/l	99
71) Bromoform	12.12	173	90089	47.688	ug/l #	99
73) Isopropylbenzene	12.24	105	565240	50.959	ug/l	99
74) N-amyl acetate	12.06	43	263252	51.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168382	50.198	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	157076m	49.251	ug/l	
77) Bromobenzene	12.52	156	134334	50.259	ug/l	99
78) n-propylbenzene	12.59	91	664249	50.688	ug/l	99
79) 2-Chlorotoluene	12.67	91	388482	49.614	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	470161	49.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62521	50.347	ug/l	99
82) 4-Chlorotoluene	12.77	91	400568	50.229	ug/l	99
83) tert-Butylbenzene	12.99	119	391693	50.197	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	471622	50.644	ug/l	99
85) sec-Butylbenzene	13.17	105	525198	50.052	ug/l	100
86) p-Isopropyltoluene	13.28	119	472917	50.121	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	237696	50.422	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	236563	49.948	ug/l	99
89) n-Butylbenzene	13.61	91	424746	49.859	ug/l	99
90) Hexachloroethane	13.87	117	70327	51.276	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	226742	50.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34013	48.403	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	138154	49.910	ug/l	100
94) Hexachlorobutadiene	15.01	225	63704	46.946	ug/l	99
95) Naphthalene	15.13	128	423757	50.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133451	48.946	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

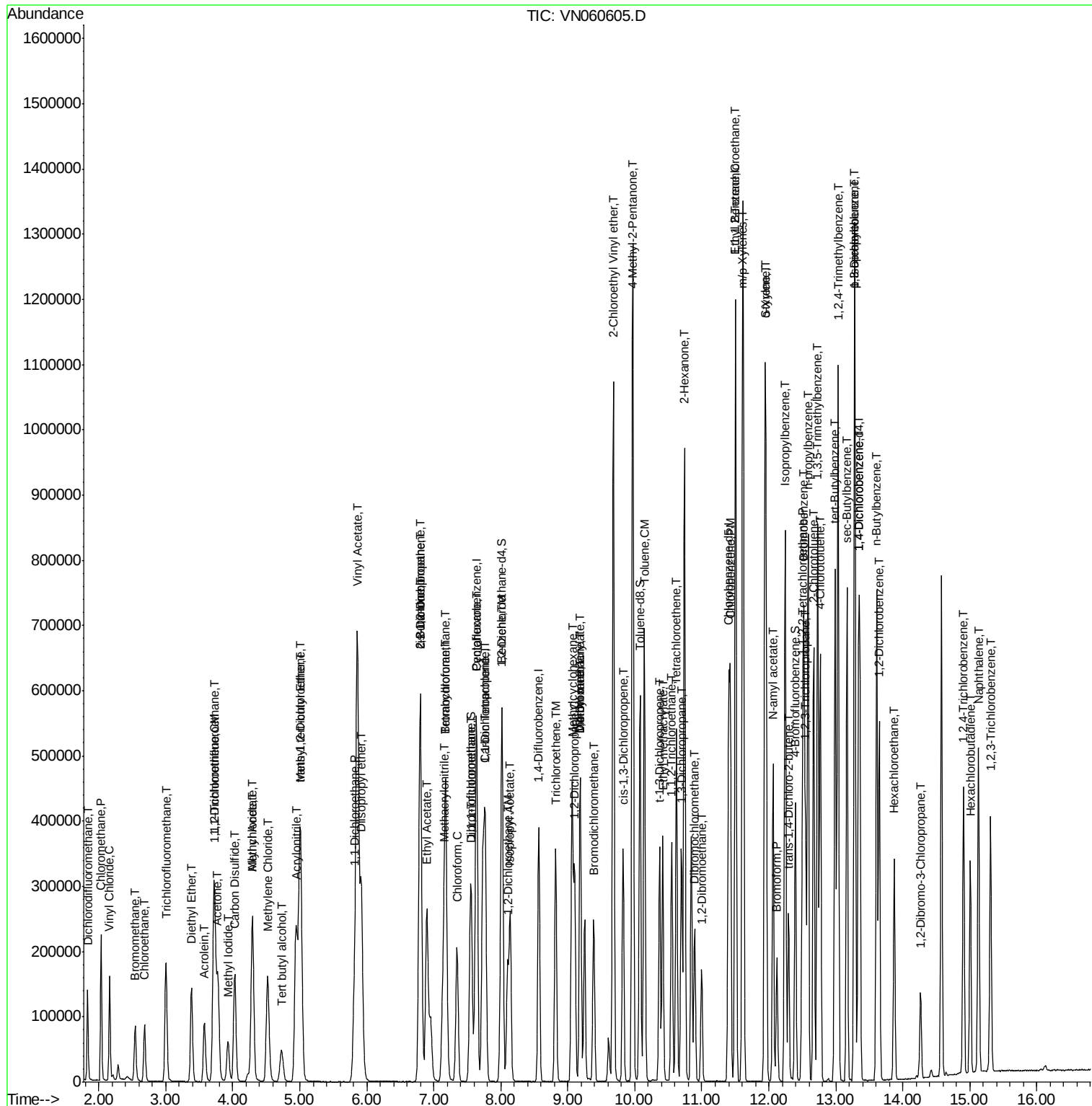
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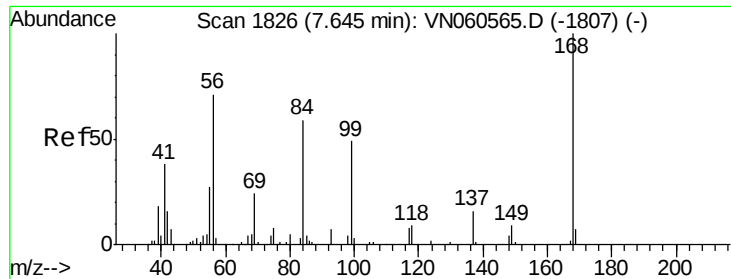
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 203693

Ion Ratio Lower Upper

168 100

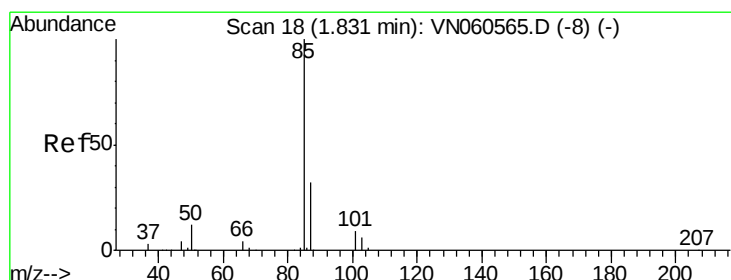
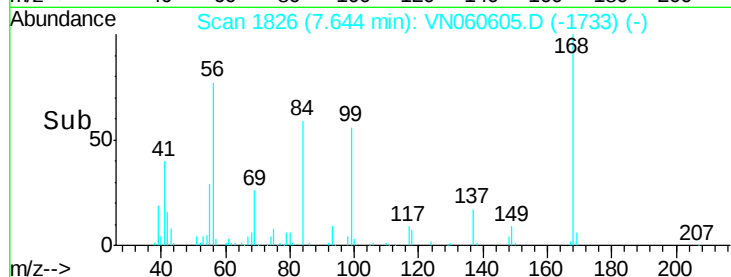
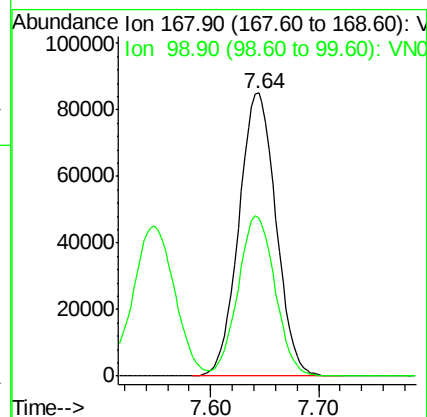
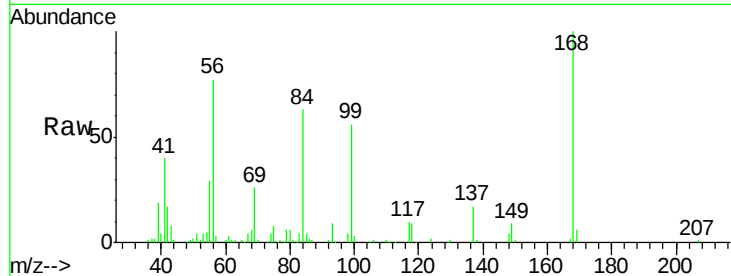
99 55.9 44.0 66.0

Manual Integrations

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3/19/2020 1:59:47 PM



#2

Dichlorodifluoromethane

Concen: 51.432 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060605.D

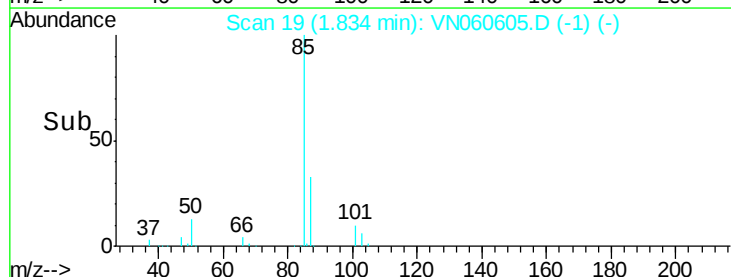
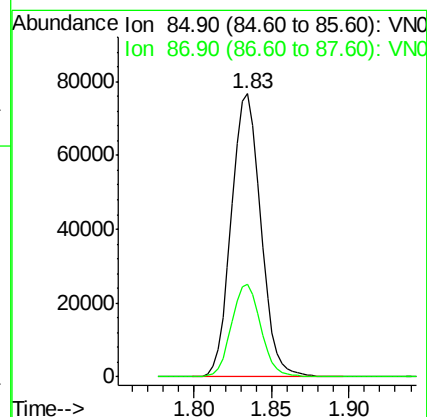
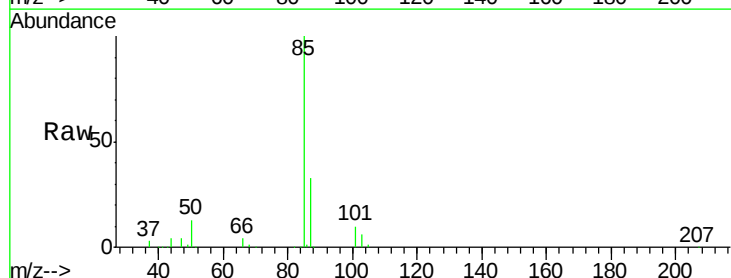
Acq: 18 Mar 2020 20:35

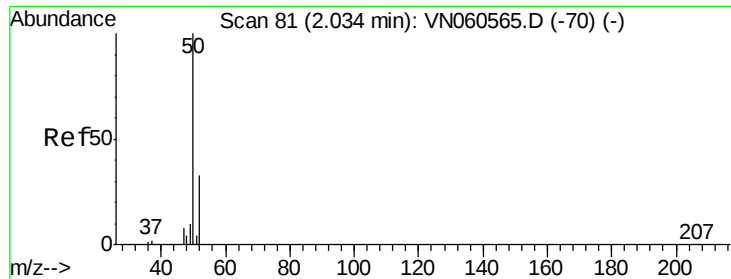
Tgt Ion: 85 Resp: 101368

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5





#3

Chloromethane

Concen: 47.401 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 174483

Ion Ratio Lower Upper

50 100

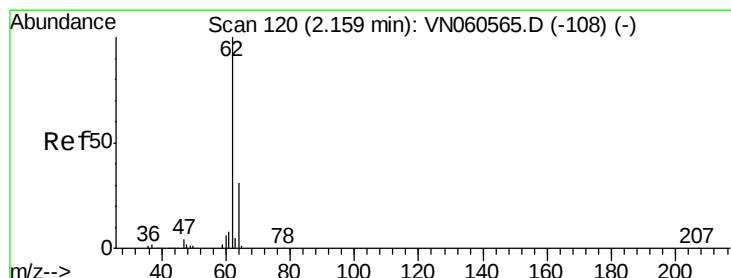
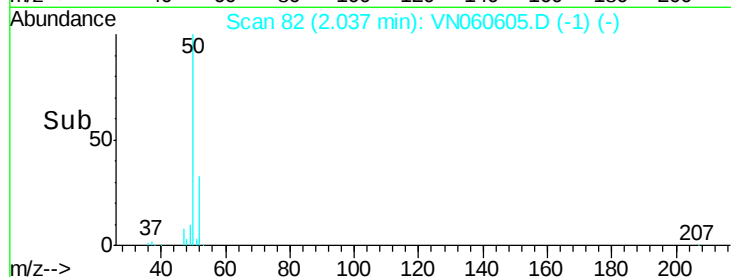
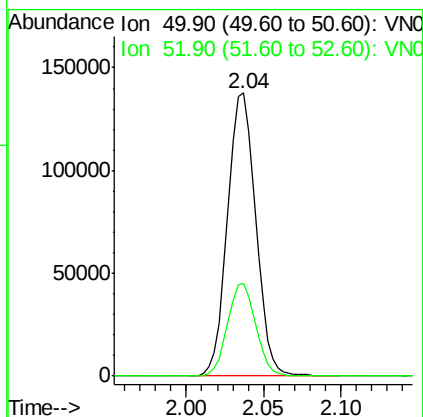
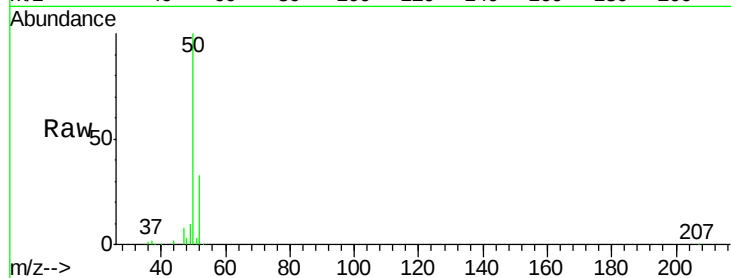
52 32.9 26.2 39.2

Manual Integrations

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3/19/2020 1:59:47 PM



#4

Vinyl Chloride

Concen: 49.755 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060605.D

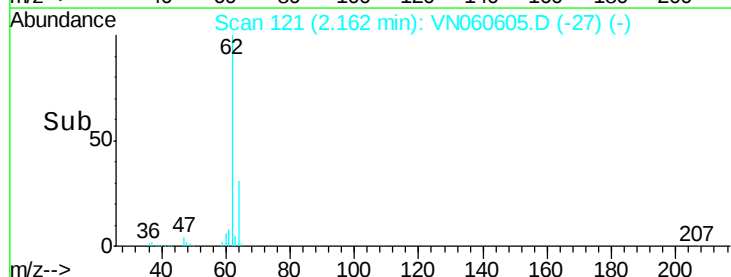
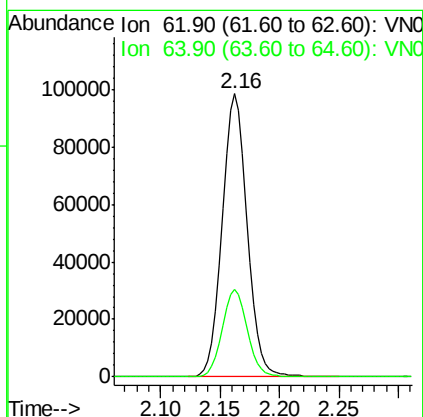
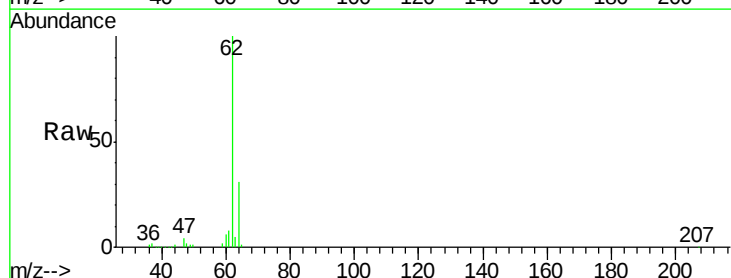
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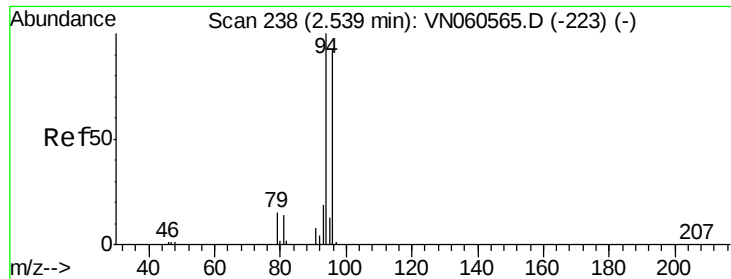
Tgt Ion: 62 Resp: 143252

Ion Ratio Lower Upper

62 100

64 30.8 24.7 37.1





#5

Bromomethane

Concen: 49.526 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

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Tot Ion: 94 Resp: 61555

Ion Ratio Lower Upper

94 100

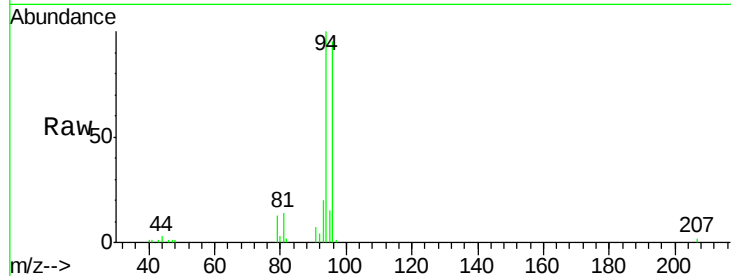
96 95.4 74.6 112.0

Manual Integrations

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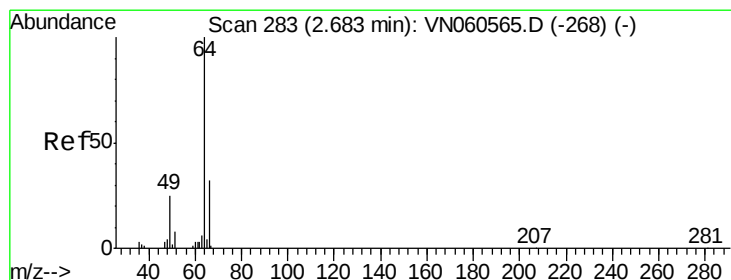
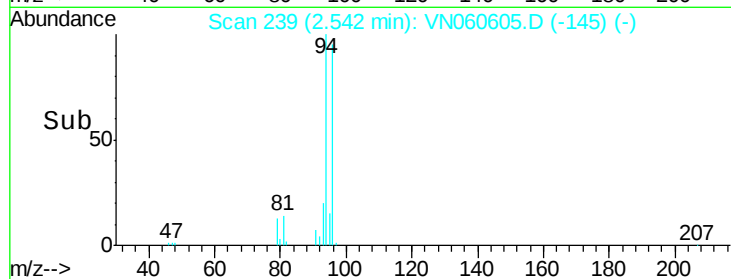
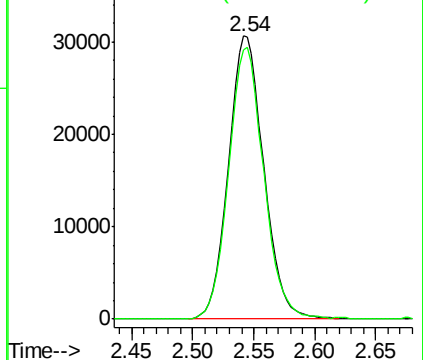
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.486 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060605.D

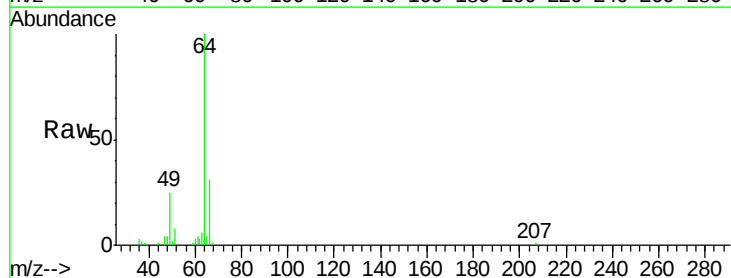
Acq: 18 Mar 2020 20:35

Tgt Ion: 64 Resp: 85390

Ion Ratio Lower Upper

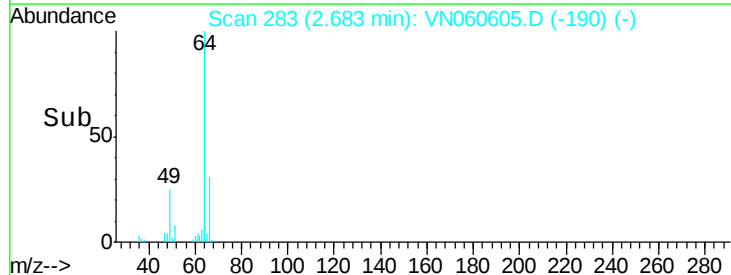
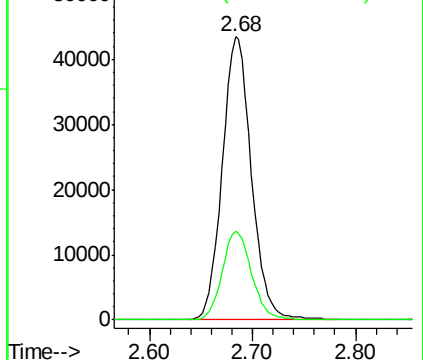
64 100

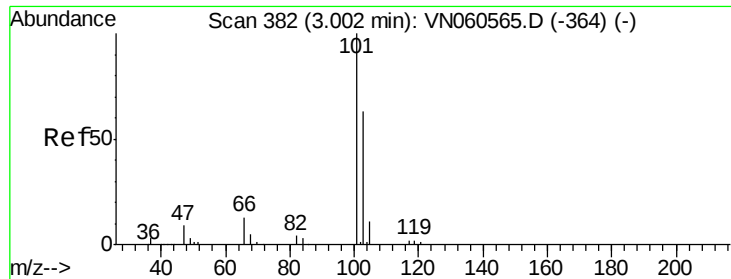
66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

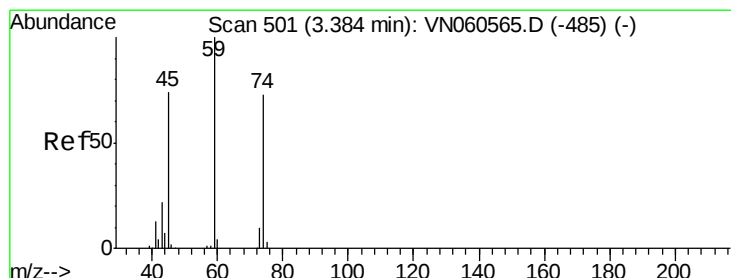
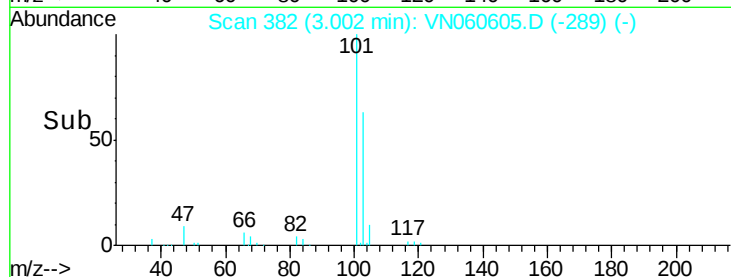
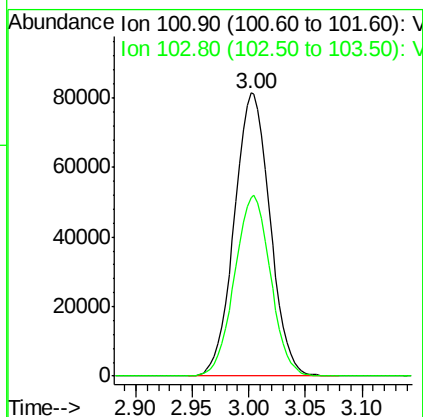
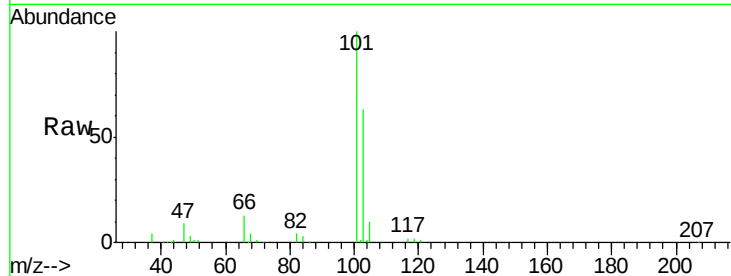
Trichlorofluoromethane
 Concen: 50.531 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		179218		
103	63.0	50.6	76.0		

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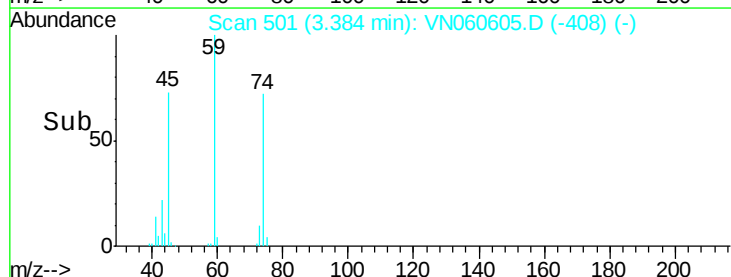
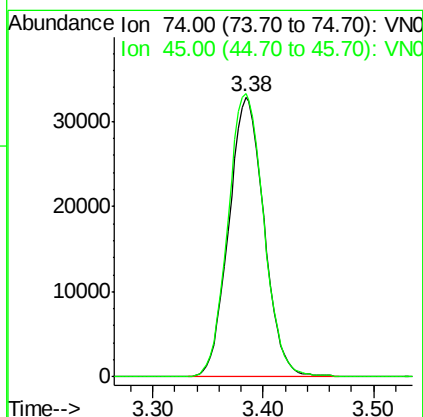
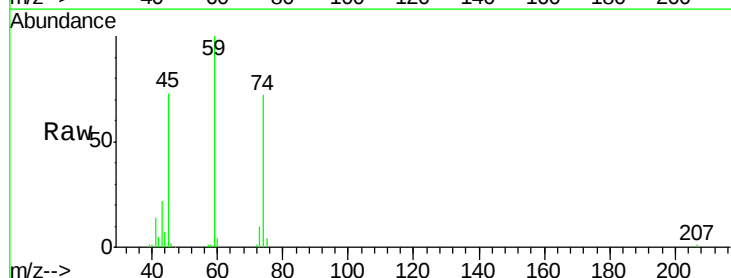
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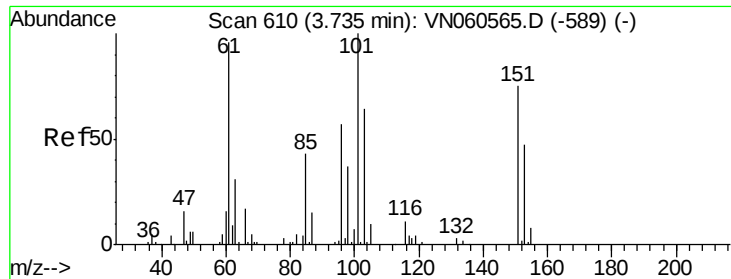


#8

Diethyl Ether
 Concen: 50.968 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		72617		
45	103.4	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.221 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

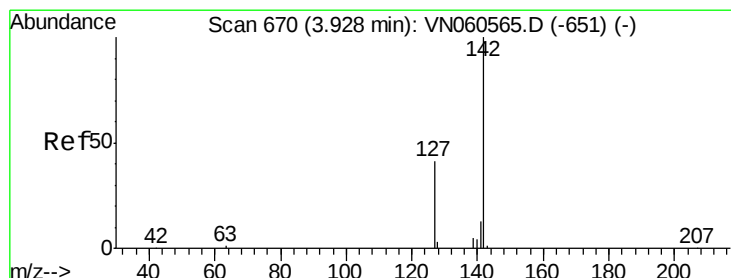
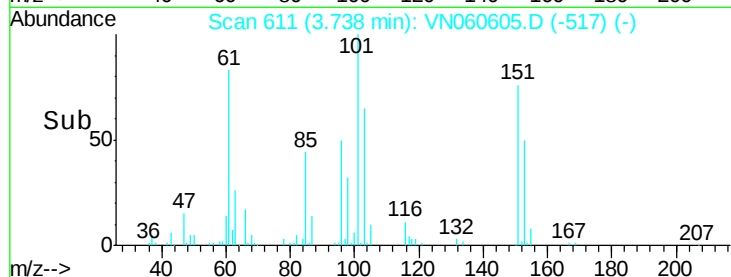
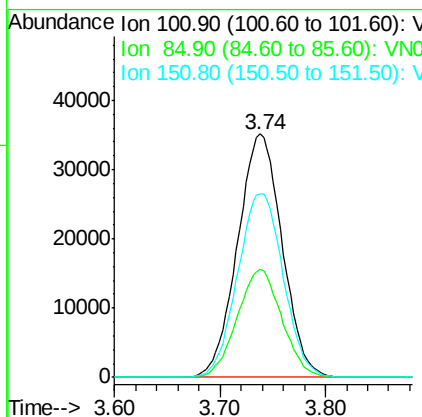
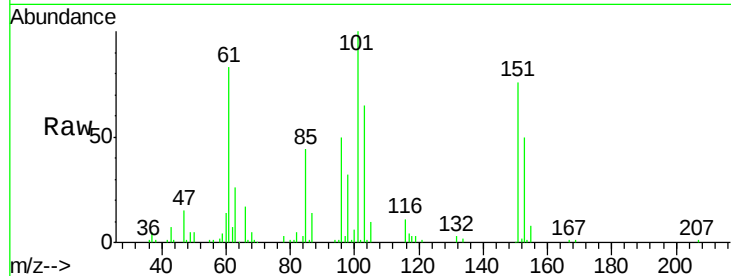
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	103210
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.6	53.4
151	77.5	61.4	92.2

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#10

Methyl Iodide

Concen: 54.663 ug/l

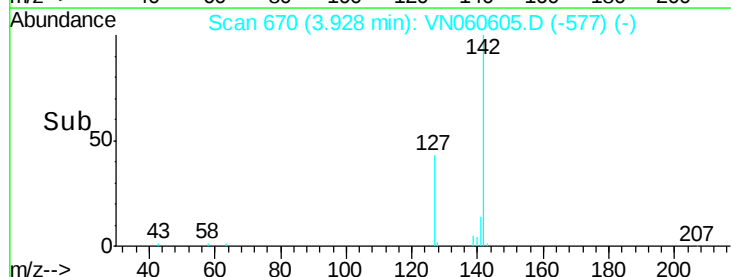
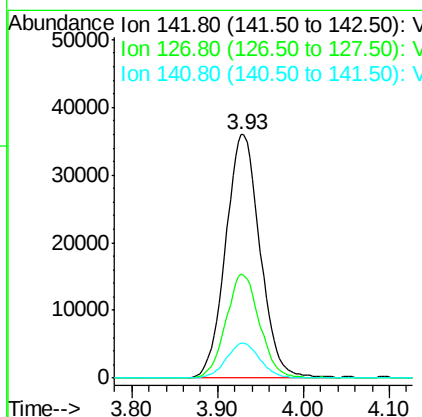
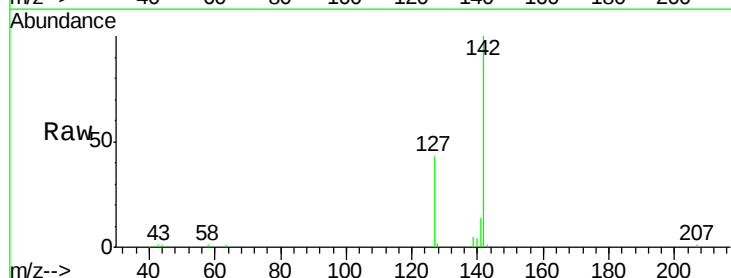
RT: 3.93 min Scan# 670

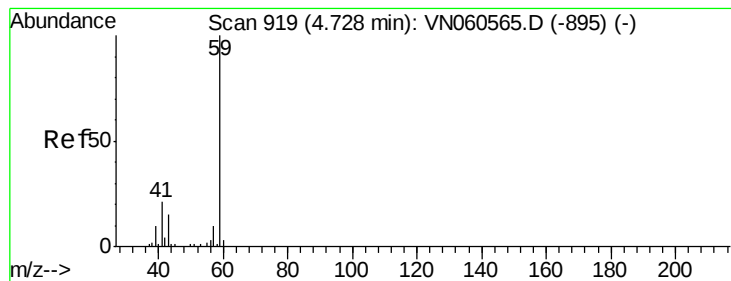
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	142	Resp:	99962
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.5	50.3
141	14.0	11.0	16.6





#11

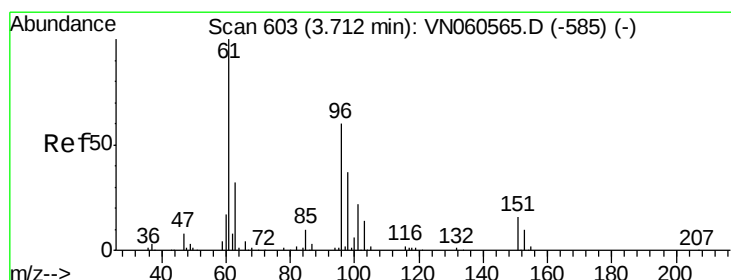
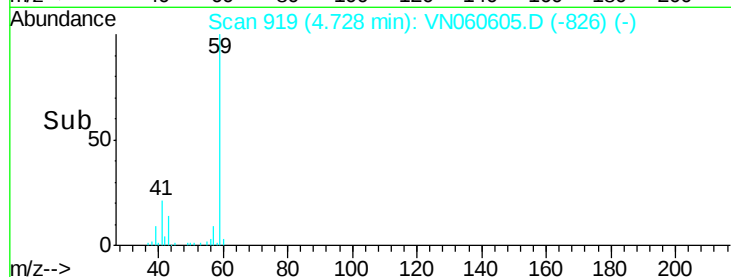
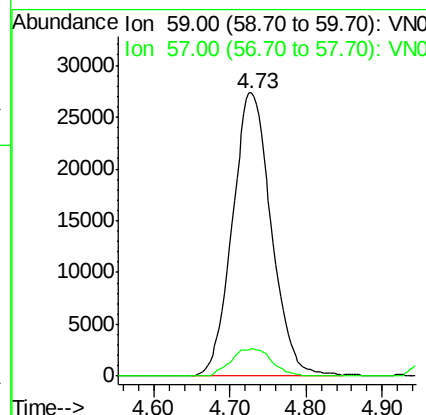
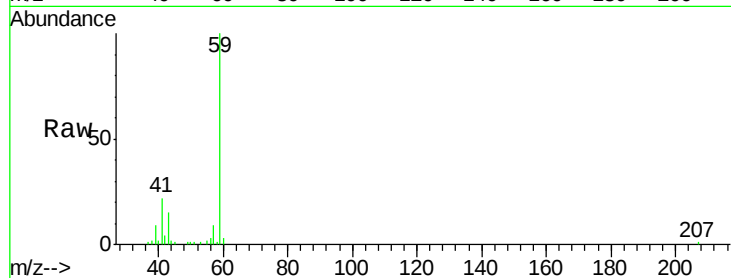
Tert butyl alcohol
Concen: 236.286 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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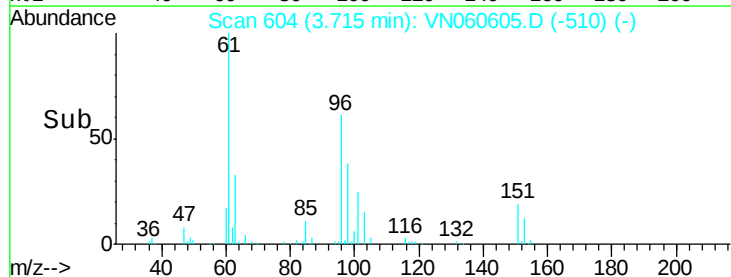
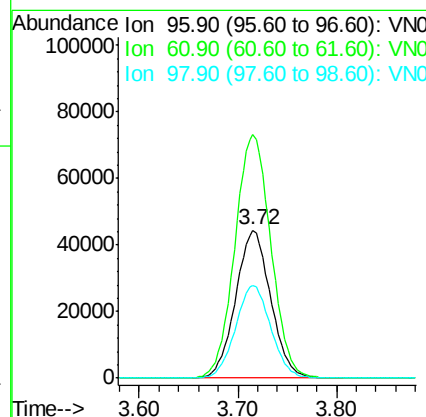
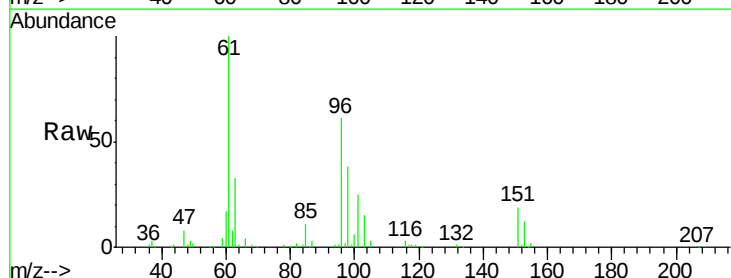
MMDadoda
3/19/2020 1:59:47 PM

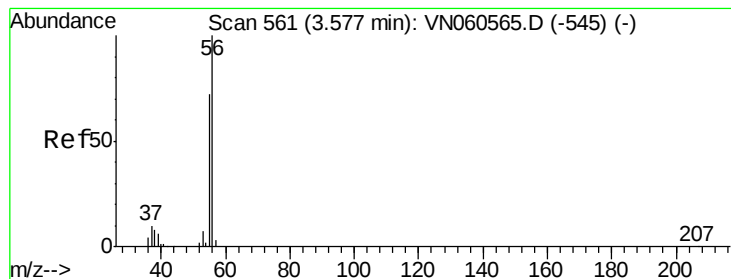


#12

1,1-Dichloroethene
Concen: 49.739 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.1	201.1
98	62.7	49.9	74.9





#13

Acrolein

Concen: 225.131 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 102609

Ion Ratio Lower Upper

56 100

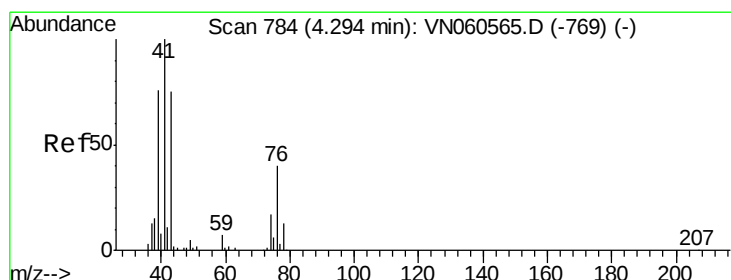
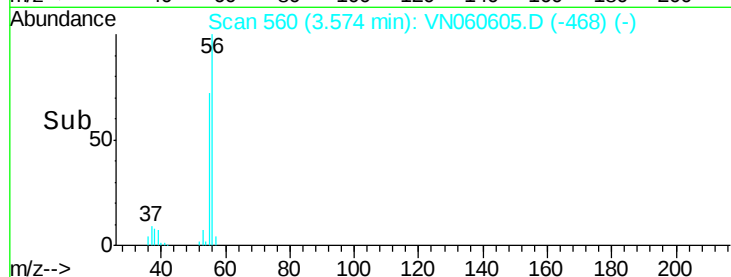
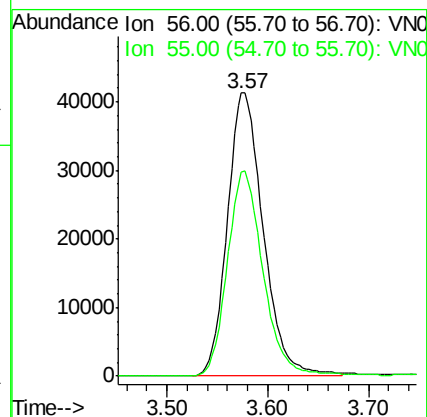
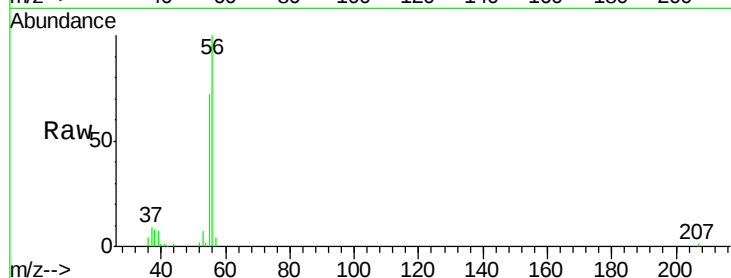
55 72.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.923 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

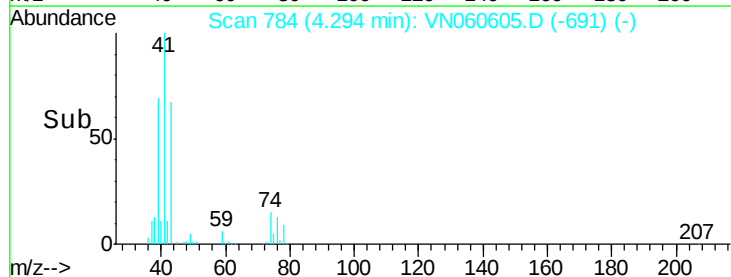
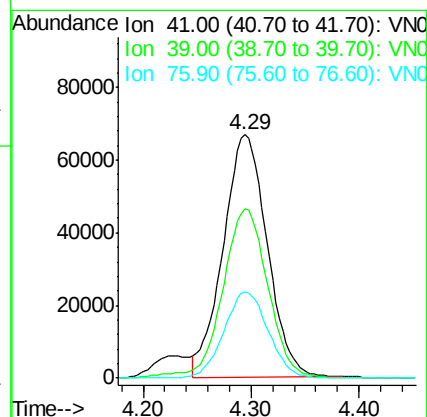
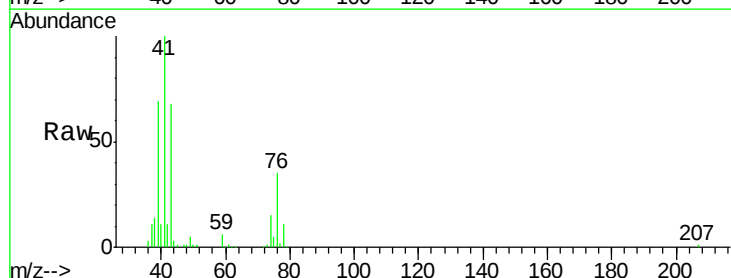
Tgt Ion: 41 Resp: 189761

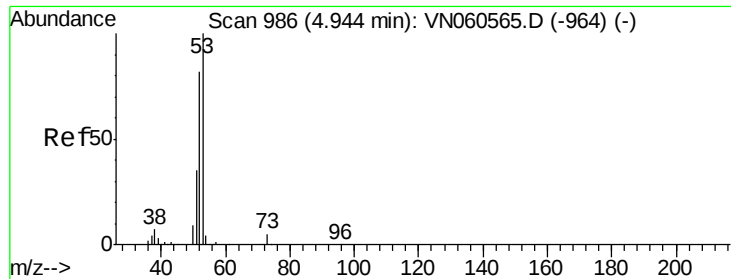
Ion Ratio Lower Upper

41 100

39 71.8 57.8 86.8

76 35.7 28.6 43.0





#15

Acrylonitrile

Concen: 260.836 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

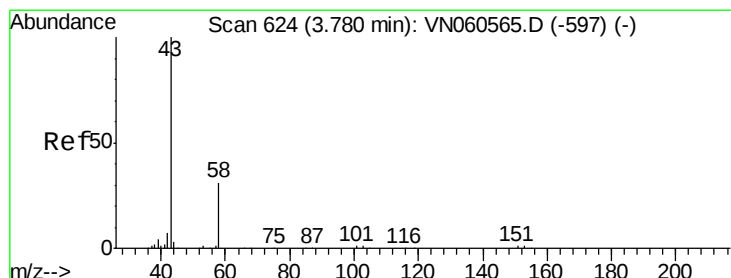
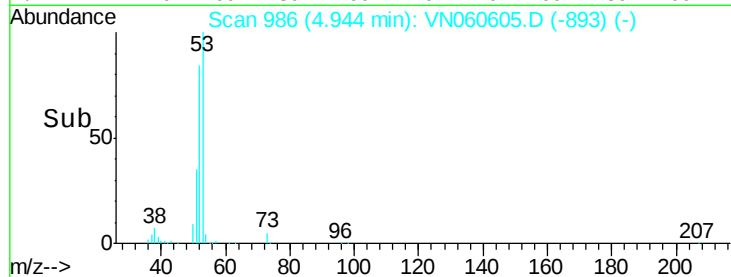
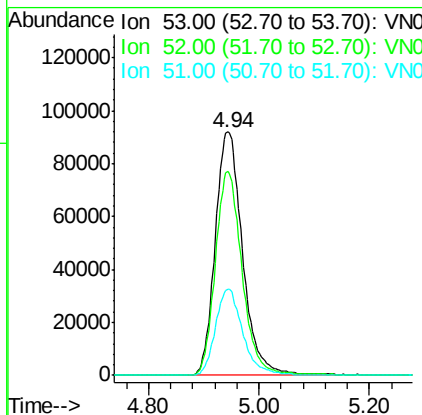
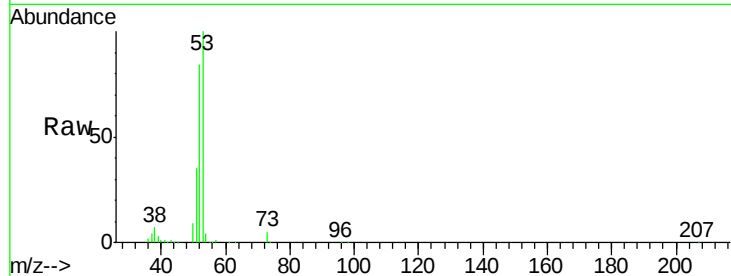
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	315425
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 249.539 ug/l

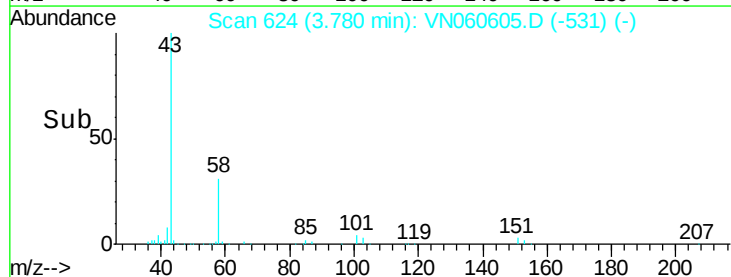
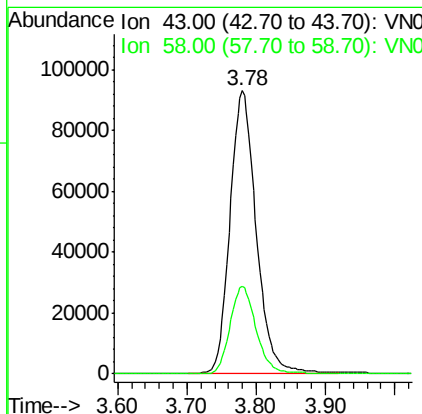
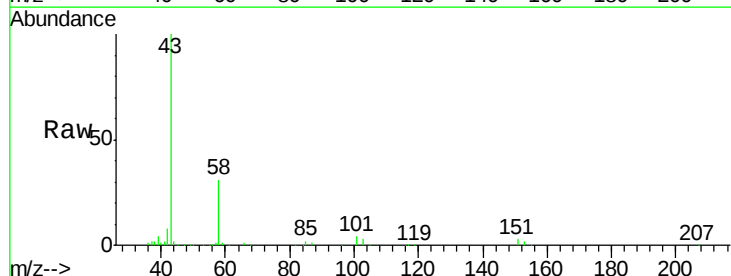
RT: 3.78 min Scan# 624

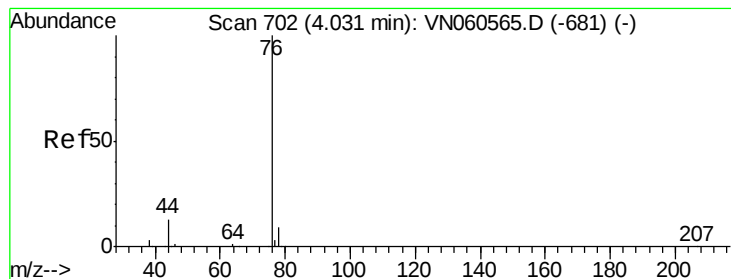
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	43	Resp:	247165
Ion Ratio	Lower	Upper	
43	100		
58	30.8	25.1	37.7





#17

Carbon Disulfide

Concen: 49.715 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 333445

Ion Ratio Lower Upper

76 100

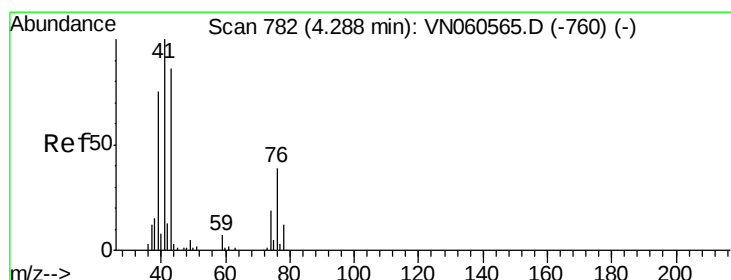
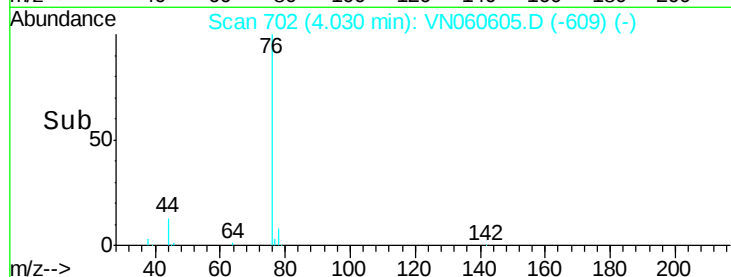
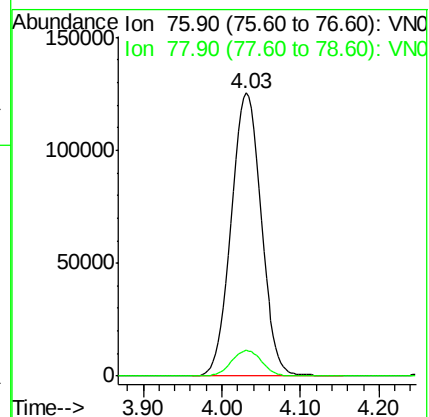
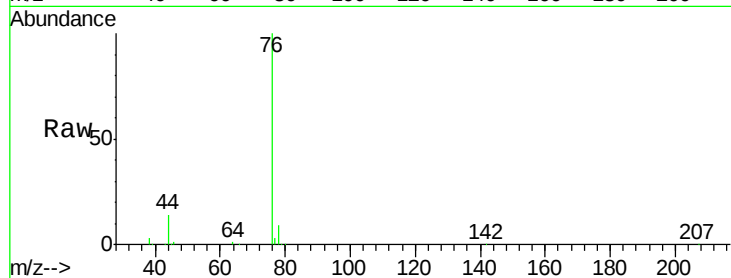
78 9.0 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 50.865 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060605.D

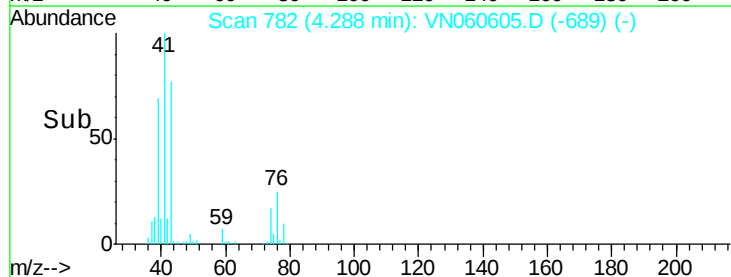
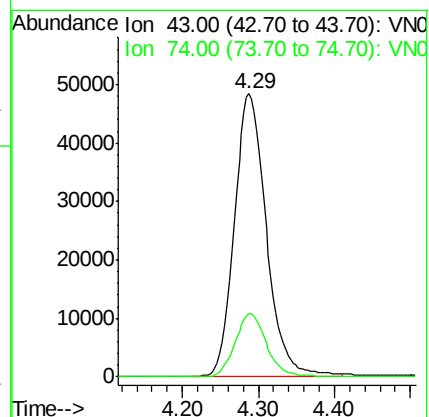
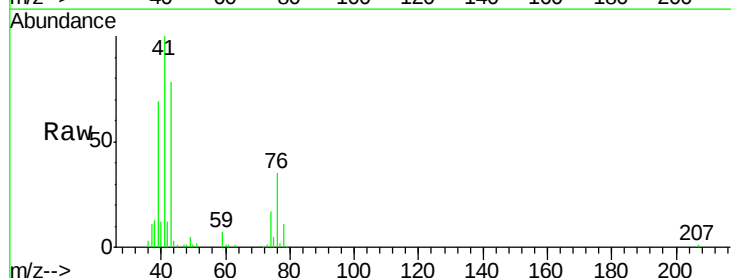
Acq: 18 Mar 2020 20:35

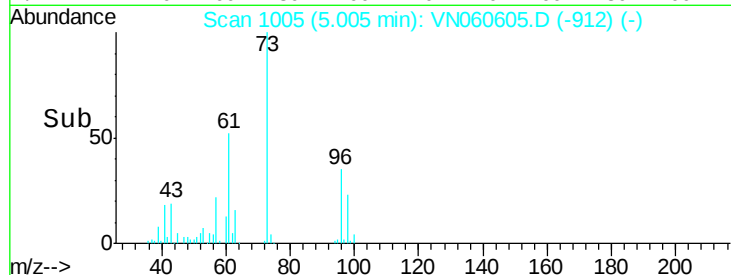
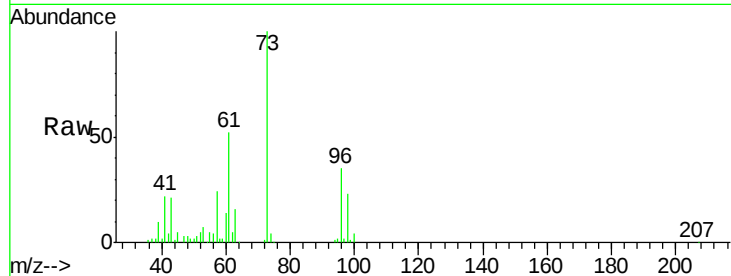
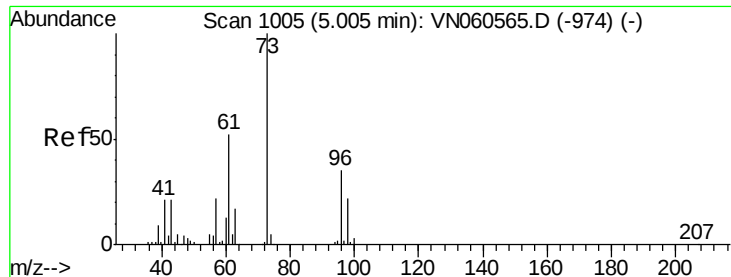
Tgt Ion: 43 Resp: 141810

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3





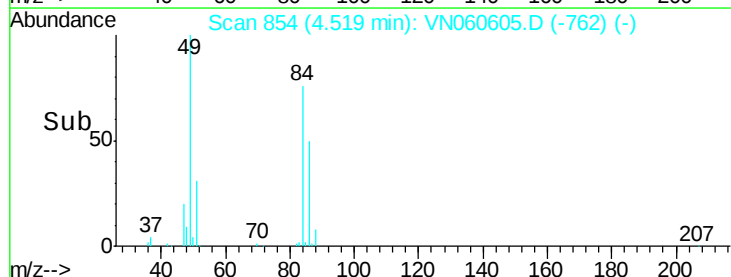
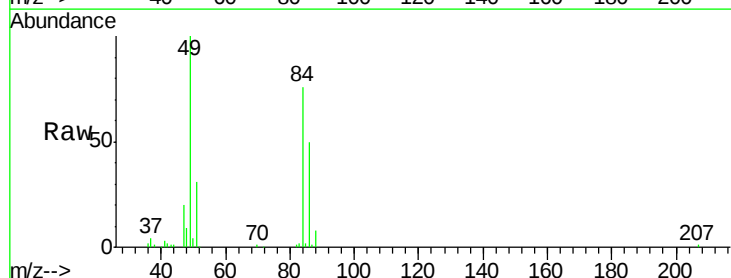
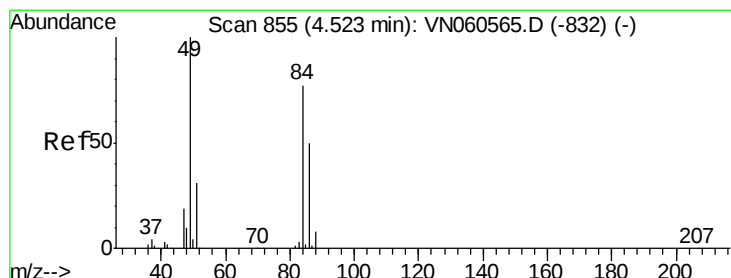
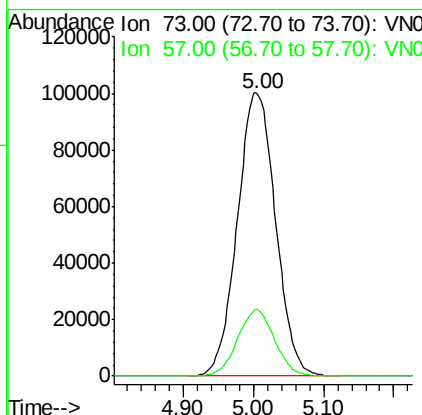
#19
Methyl tert-butyl Ether
Concen: 49.933 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tot Ion: 73 Resp: 378609
Ion Ratio Lower Upper
73 100
57 23.8 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

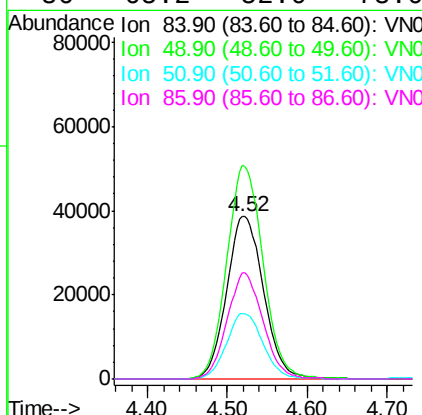
Manual Integrations
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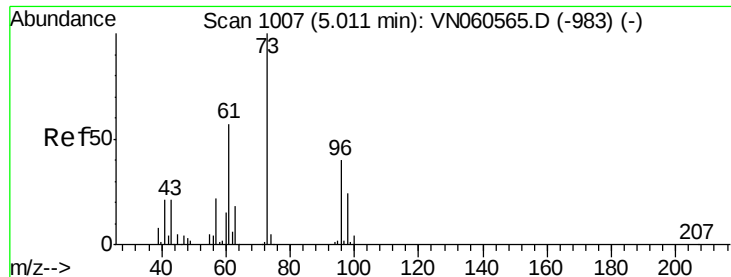
MMDadoda
3/19/2020 1:59:47 PM



#20
Methylene Chloride
Concen: 49.898 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion: 84 Resp: 121578
Ion Ratio Lower Upper
84 100
49 131.4 103.3 154.9
51 40.3 31.6 47.4
86 65.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 49.181 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 115597

Ion Ratio Lower Upper

96 100

61 150.7 114.4 171.6

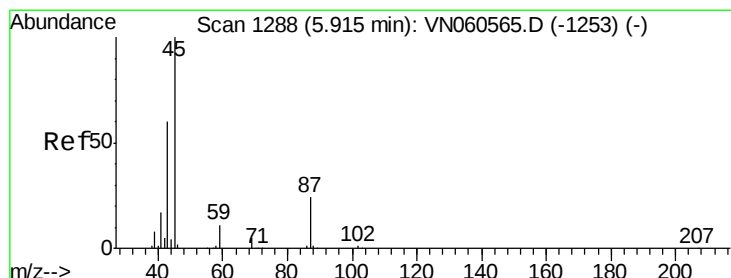
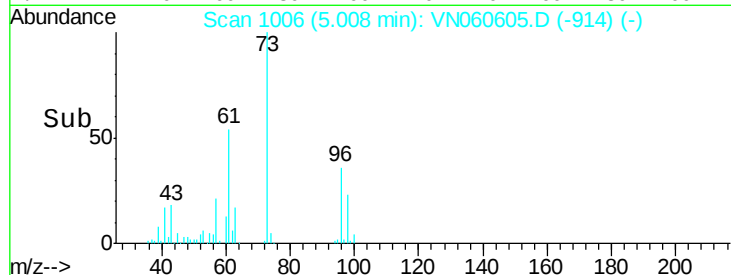
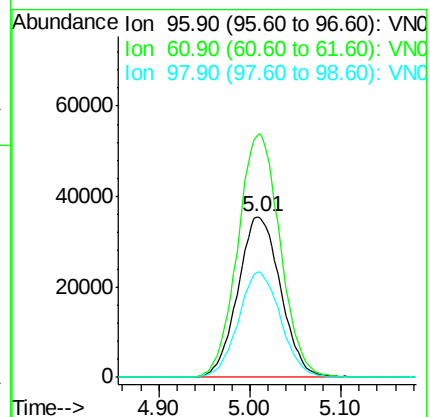
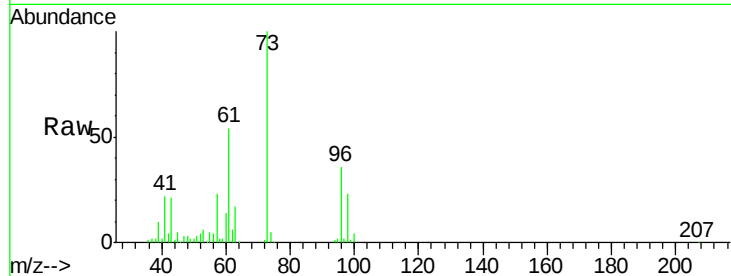
98 65.3 48.4 72.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.608 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion: 45 Resp: 422909

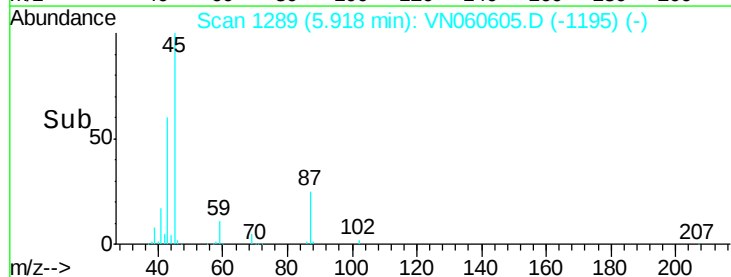
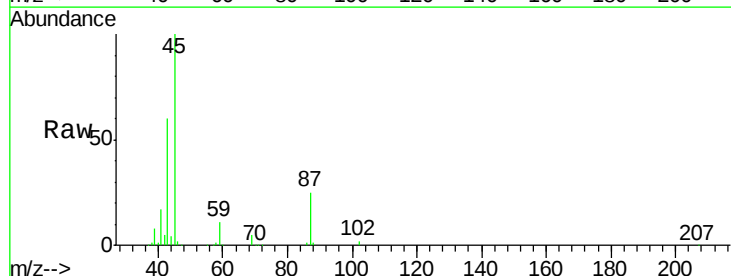
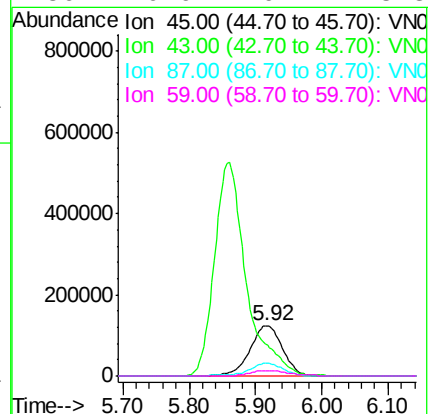
Ion Ratio Lower Upper

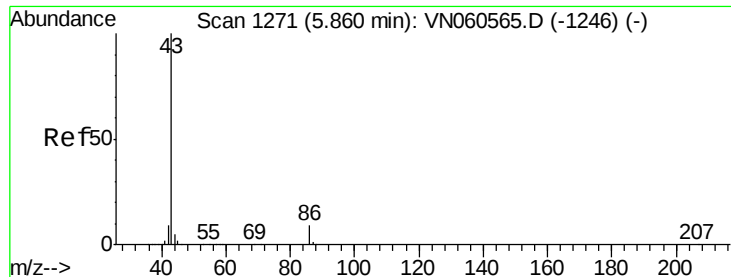
45 100

43 59.0 49.8 74.8

87 25.1 20.1 30.1

59 10.9 9.2 13.8





#23

Vinyl Acetate

Concen: 262.698 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1756427

Ion Ratio Lower Upper

43 100

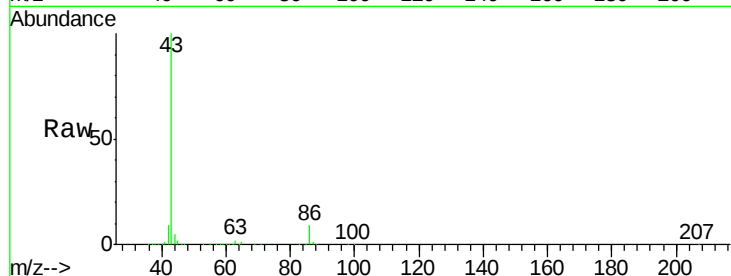
86 9.4 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.86

600000

500000

400000

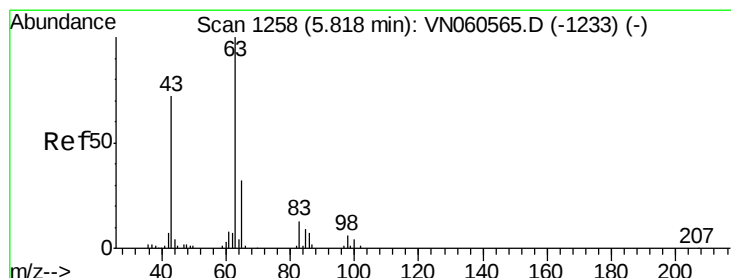
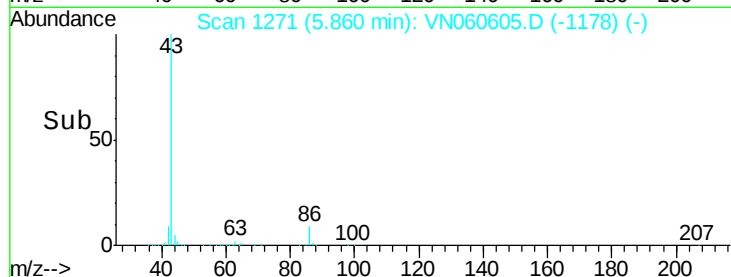
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.902 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

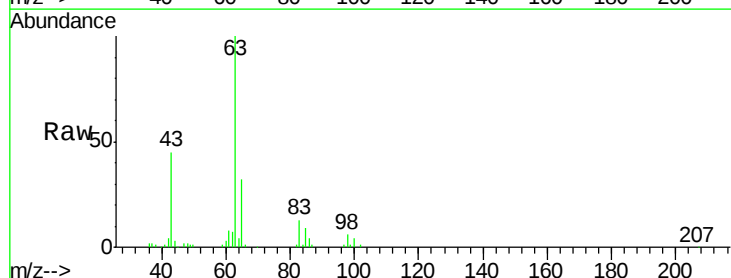
Tgt Ion: 63 Resp: 227393

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060565.D (-1233) (-)

5.81

80000

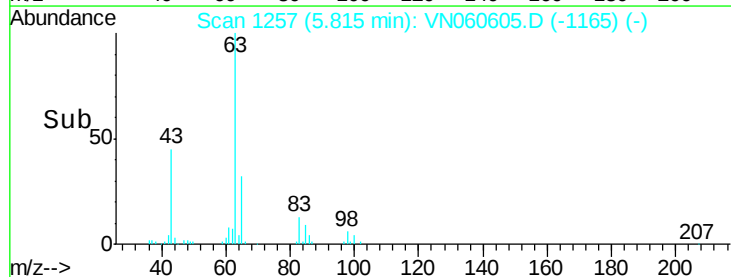
60000

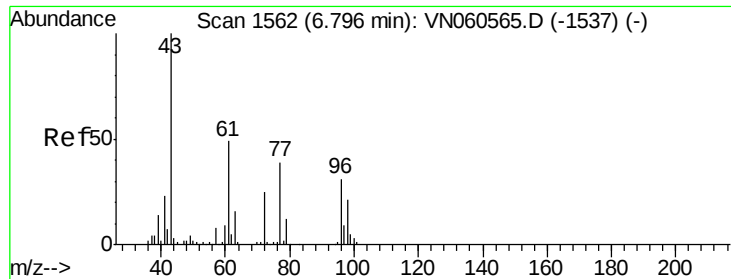
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 257.811 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 413213

Ion Ratio Lower Upper

43 100

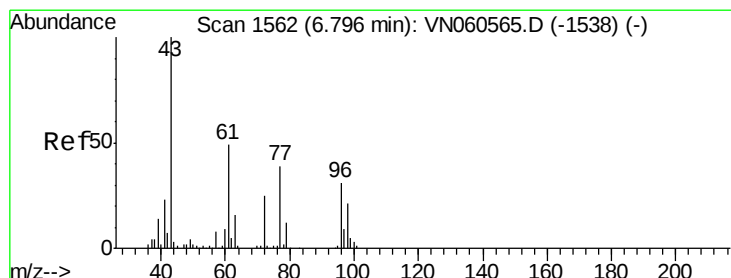
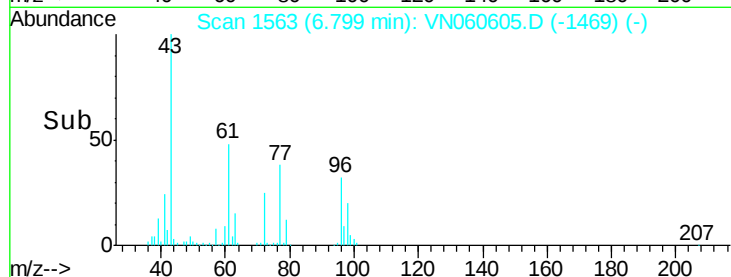
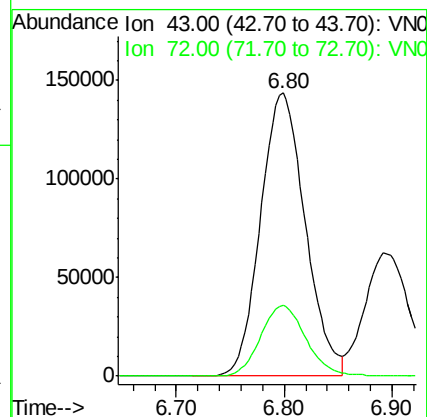
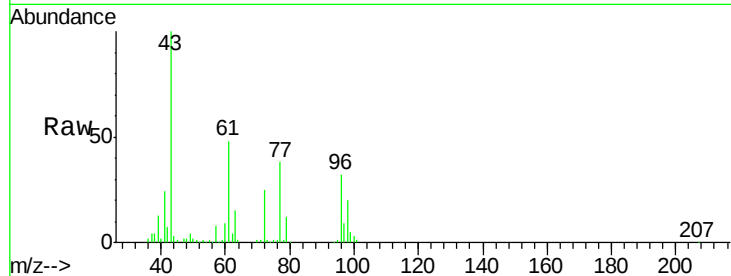
72 24.9 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.035 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060605.D

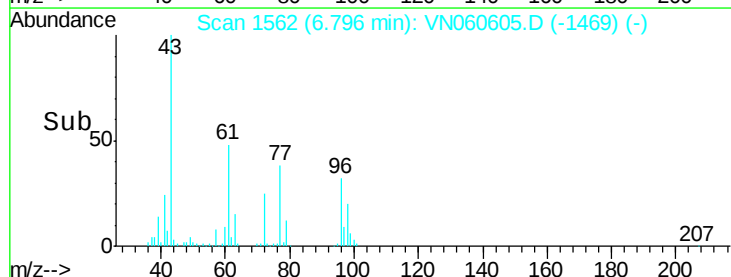
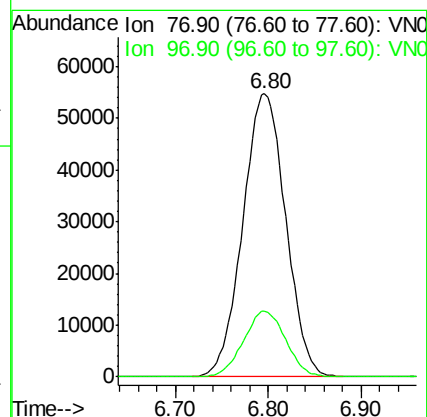
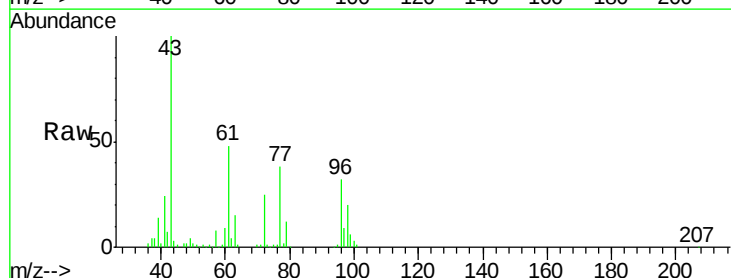
Acq: 18 Mar 2020 20:35

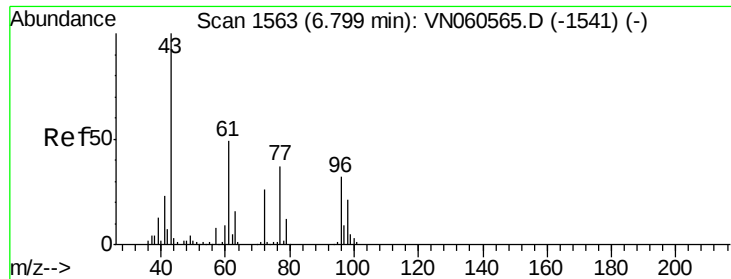
Tgt Ion: 77 Resp: 175865

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.543 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

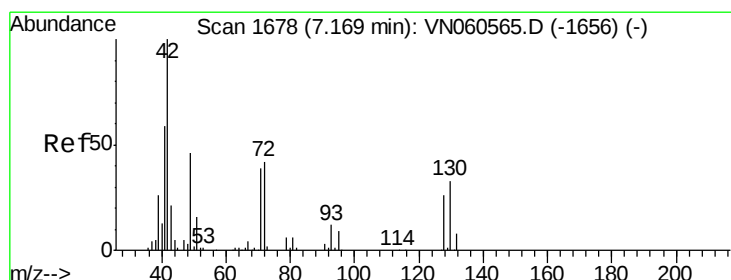
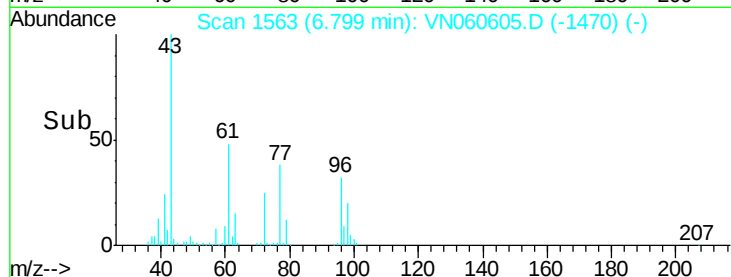
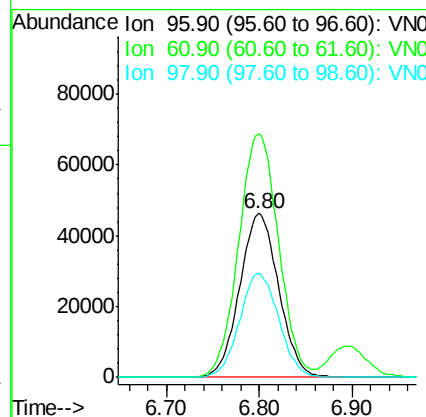
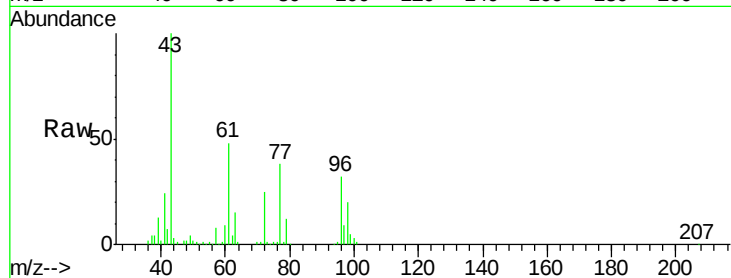
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	134999
Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	305.6
98	63.7	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 49.567 ug/l

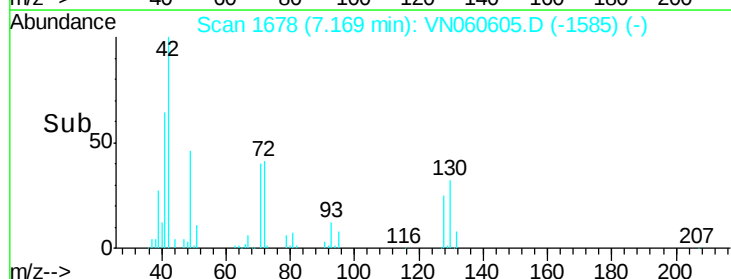
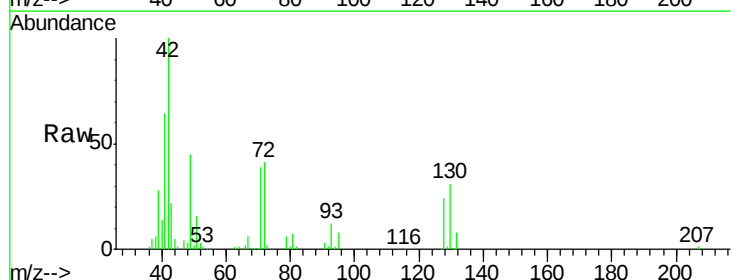
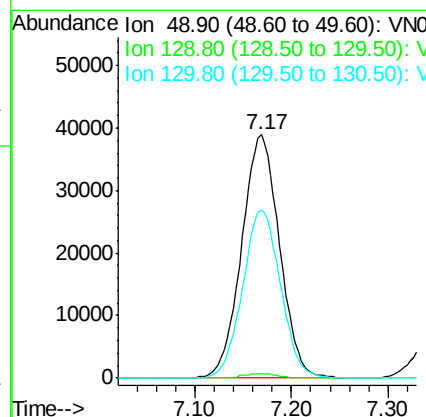
RT: 7.17 min Scan# 1678

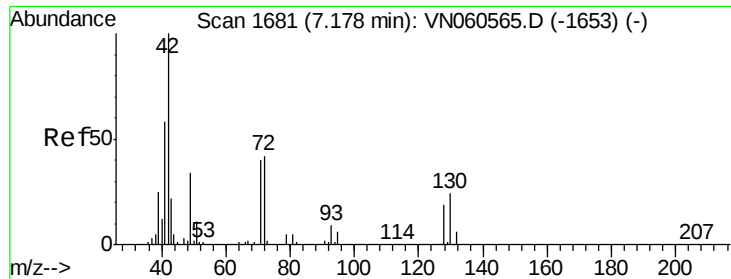
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	49	Resp:	105941
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	69.1	55.0	82.4





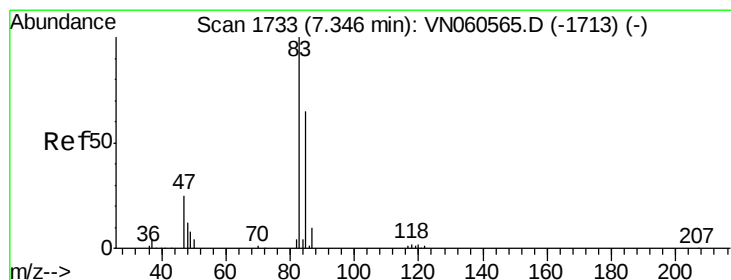
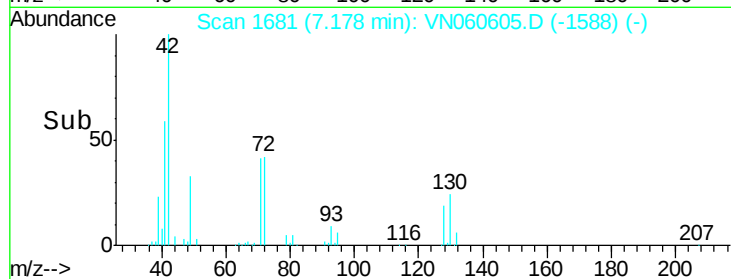
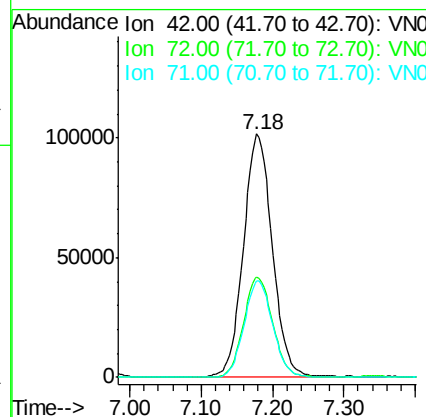
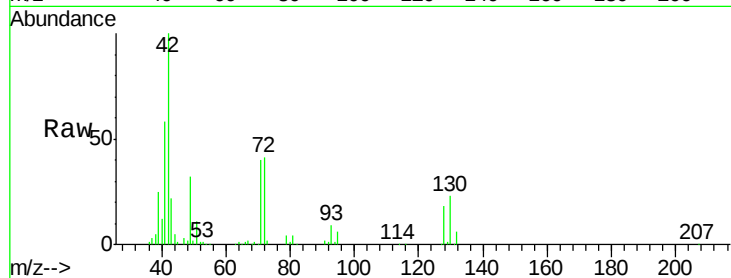
#29
Tetrahydrofuran
Concen: 253.666 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.2	49.8
71	39.2	31.1	46.7

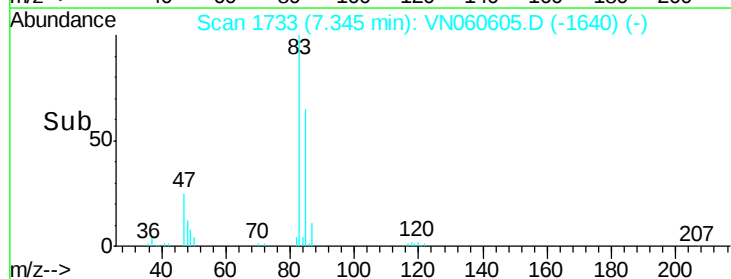
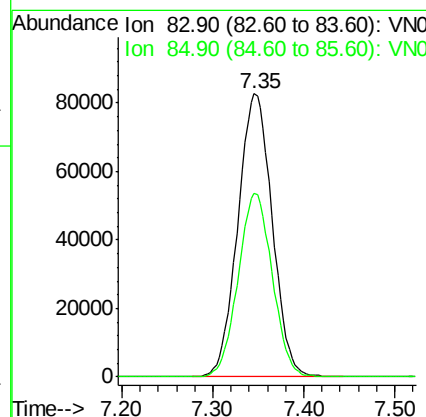
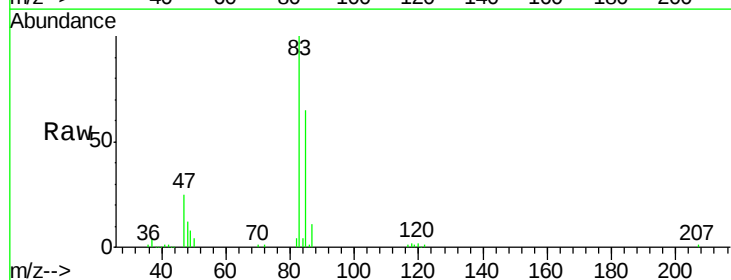
Manual Integrations
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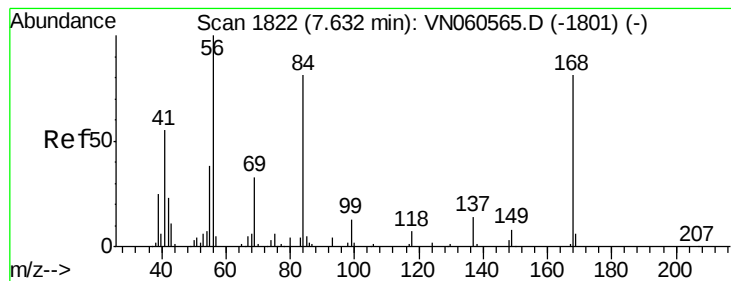
MMDadoda
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#30
Chloroform
Concen: 50.640 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





#31

Cyclohexane

Concen: 47.966 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

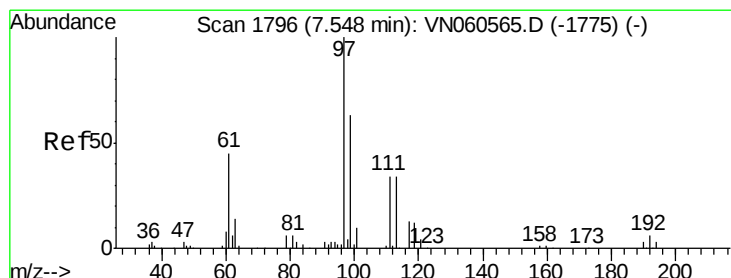
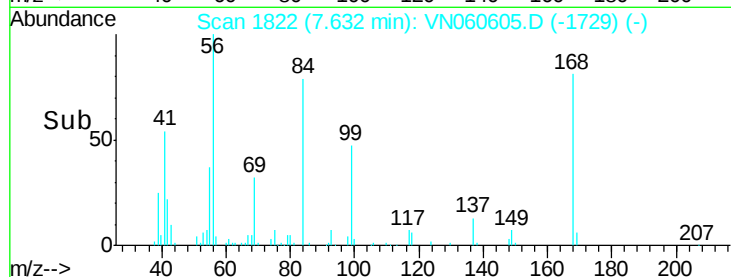
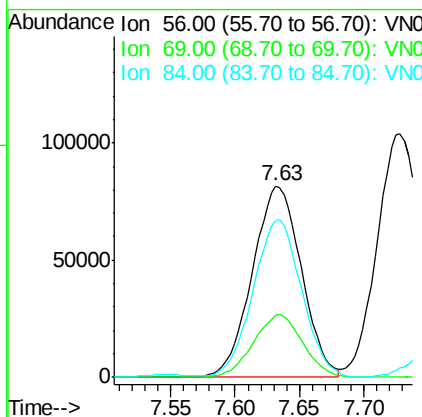
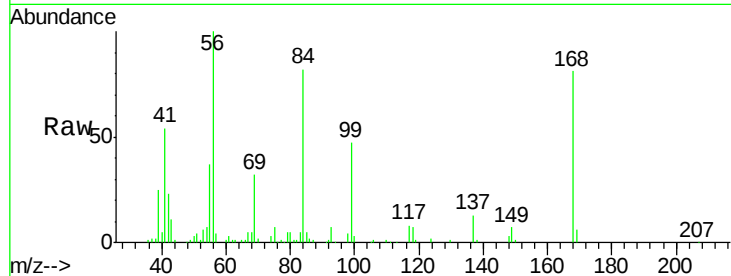
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	216024
Ion Ratio	Lower	Upper	
56	100		
69	32.1	26.6	40.0
84	81.2	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.200 ug/l

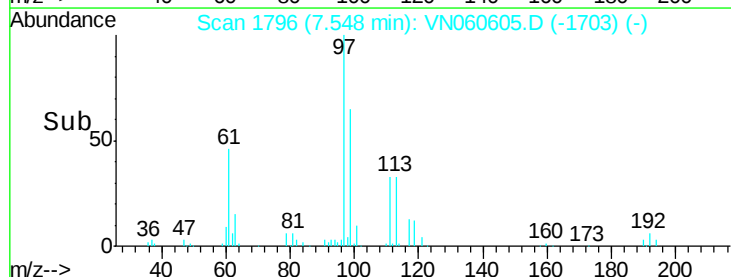
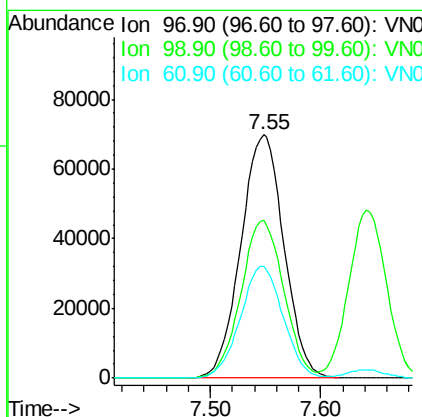
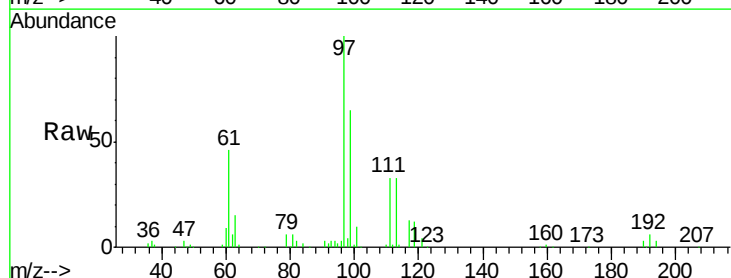
RT: 7.55 min Scan# 1796

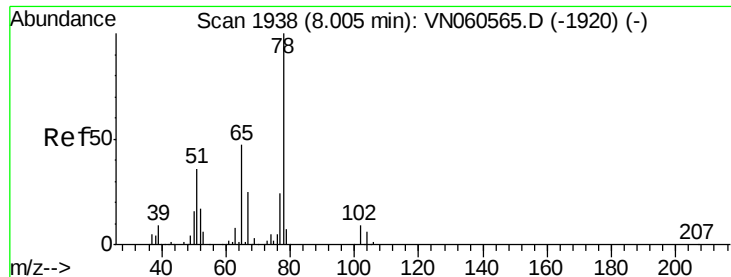
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	97	Resp:	189027
Ion Ratio	Lower	Upper	
97	100		
99	64.3	50.6	75.8
61	45.7	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 49.021 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 137074

Ion Ratio Lower Upper

65 100

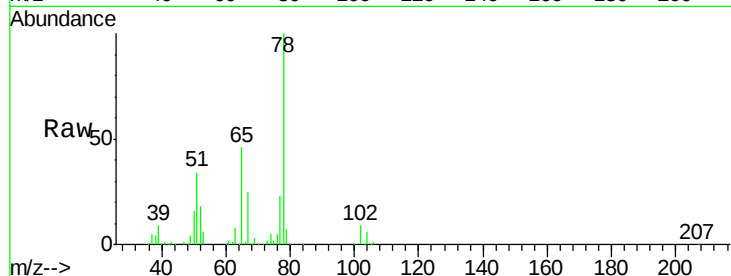
67 53.6 0.0 107.6

Manual Integrations

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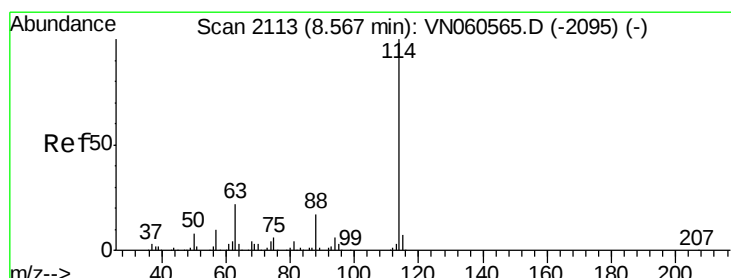
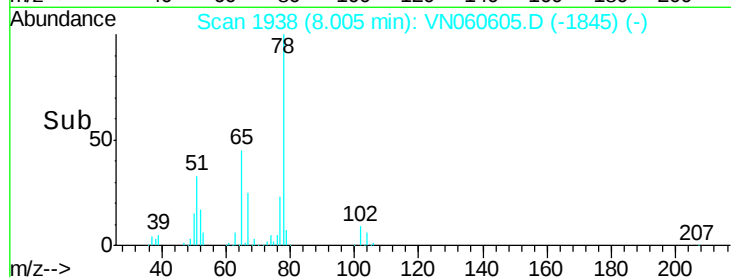
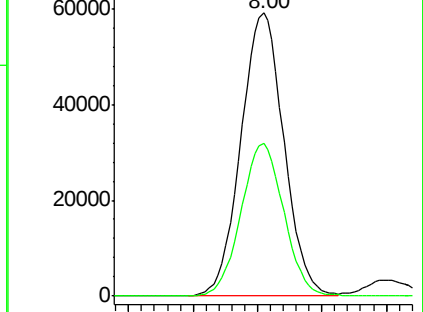
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Abundance Ion 64.90 (64.60 to 65.60): VN060605.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060605.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

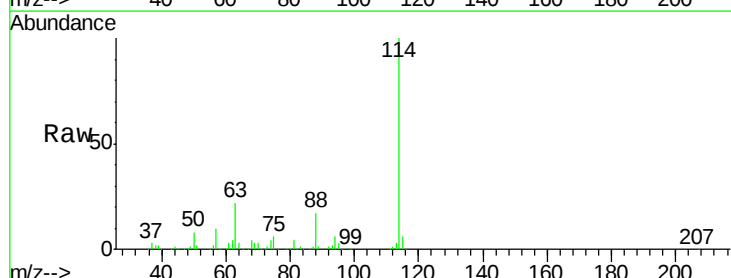
Tgt Ion: 114 Resp: 348191

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

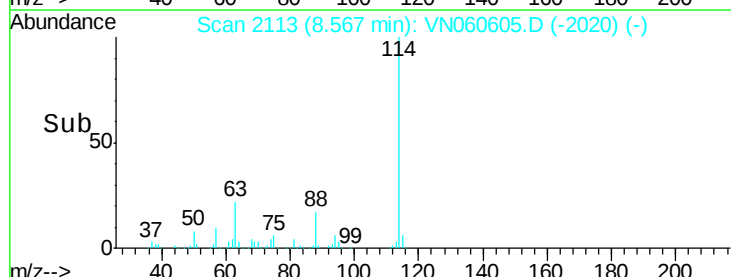
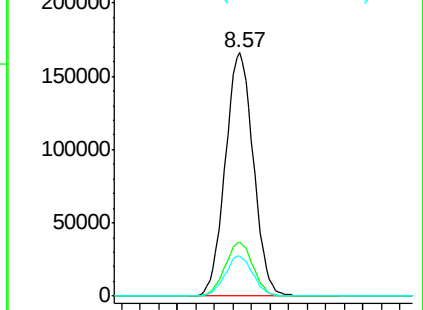
88 16.5 0.0 33.0

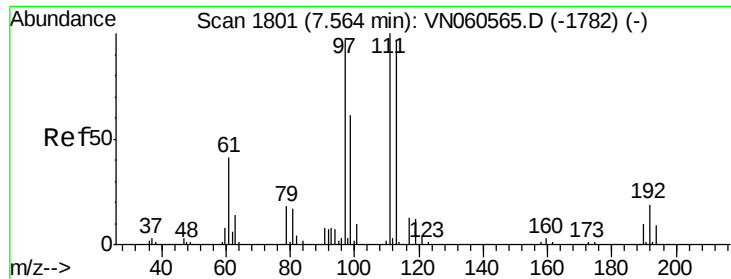


Abundance Ion 113.90 (113.60 to 114.60): VN060605.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060605.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060605.D (-2095) (-)





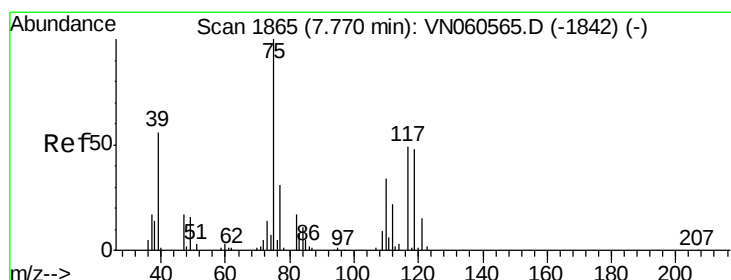
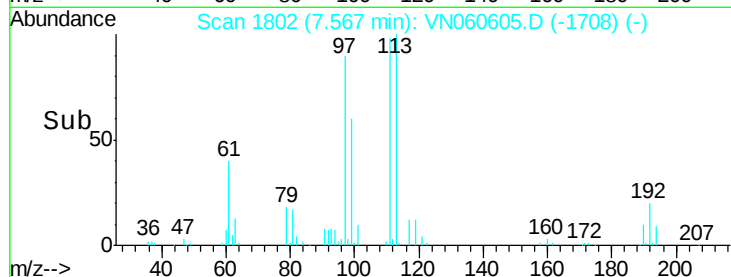
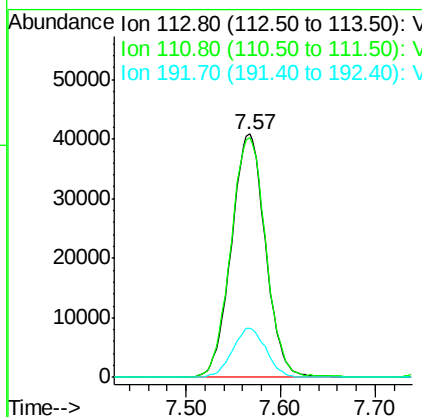
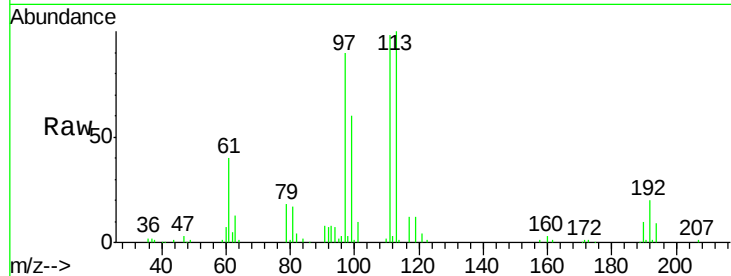
#35
 Dibromofluoromethane
 Concen: 48.598 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102319		
111	101.0	82.9	124.3	
192	19.8	15.8	23.8	

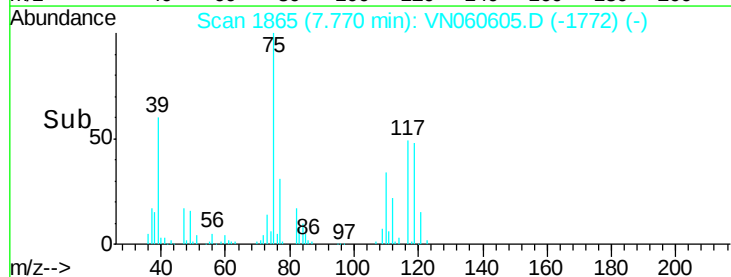
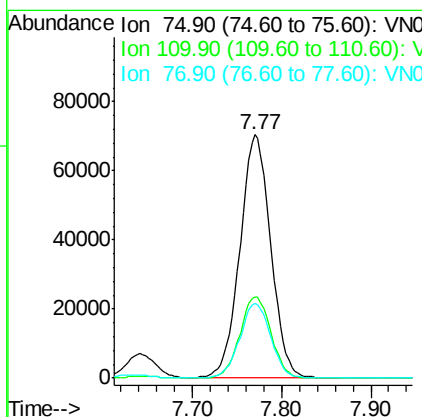
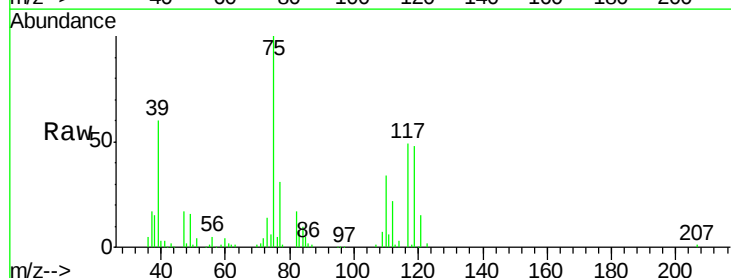
Manual Integrations
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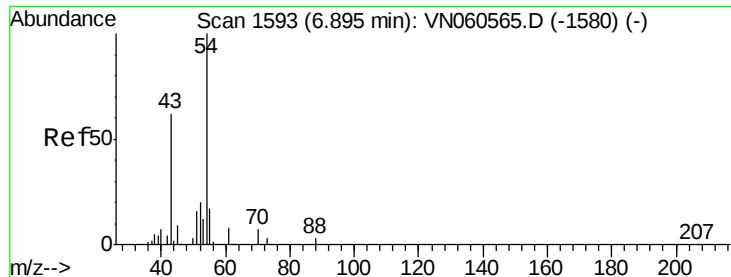
MMDadoda
 3/19/2020 1:59:47 PM



#36
 1,1-Dichloropropene
 Concen: 50.312 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169631		
110	33.6	16.9	50.6	
77	30.9	24.6	36.8	





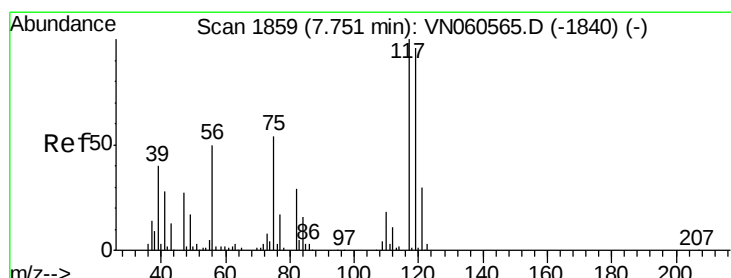
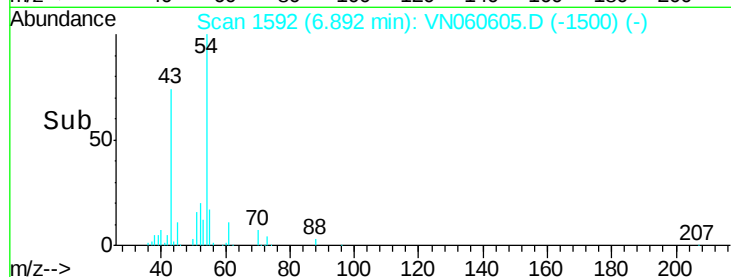
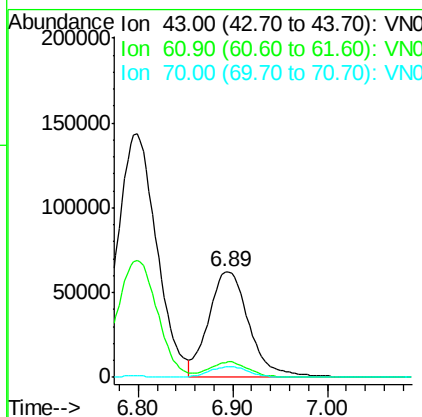
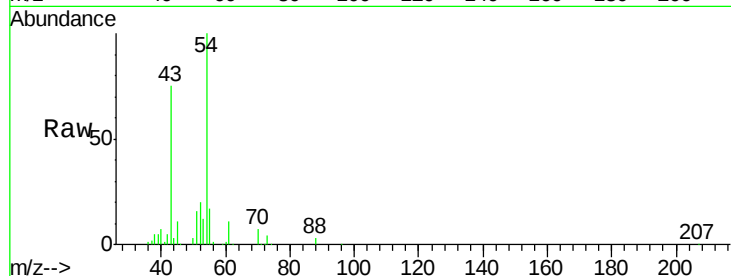
#37
Ethyl Acetate
Concen: 50.142 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	15.8
70	10.0	7.9	11.9

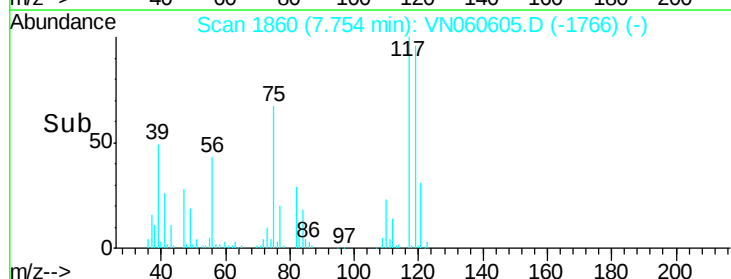
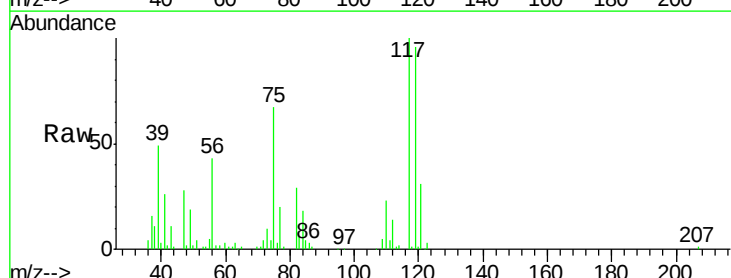
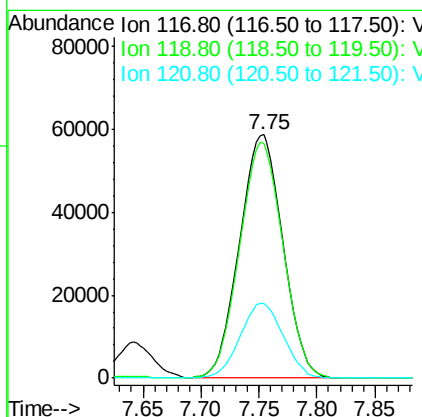
Manual Integrations
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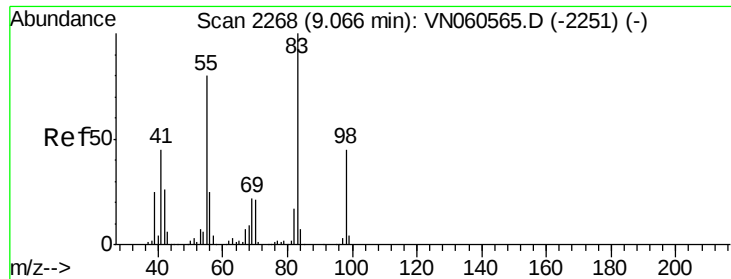
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#38
Carbon Tetrachloride
Concen: 50.513 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	30.6	23.7	35.5





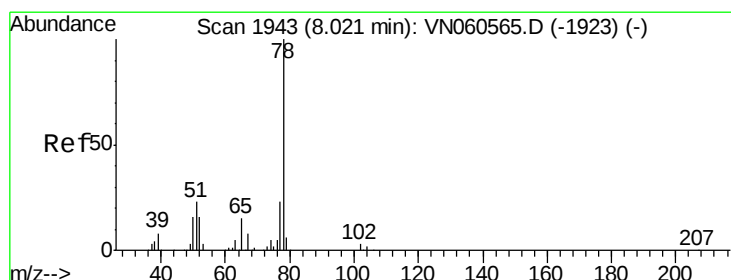
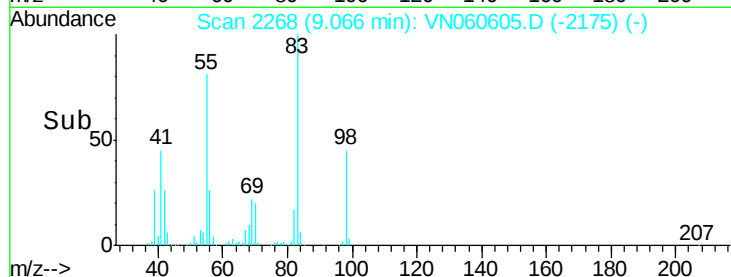
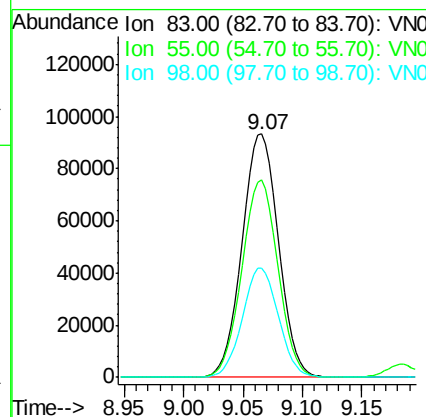
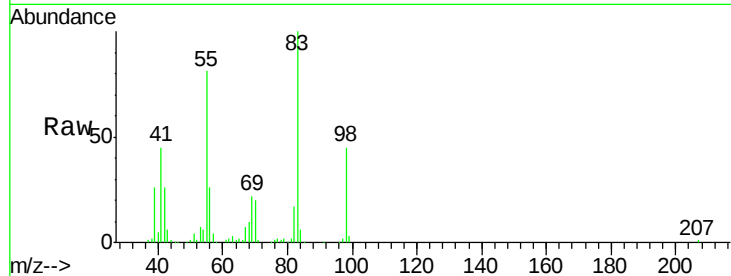
#39
Methylvlcyclohexane
Concen: 49.518 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198405		
55	81.0	63.6	95.4	
98	44.7	36.0	54.0	

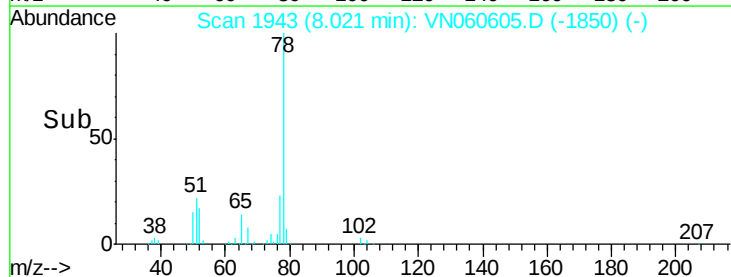
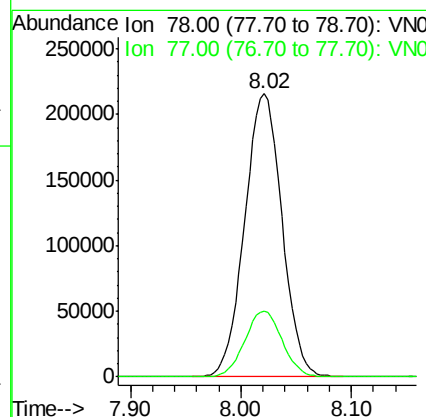
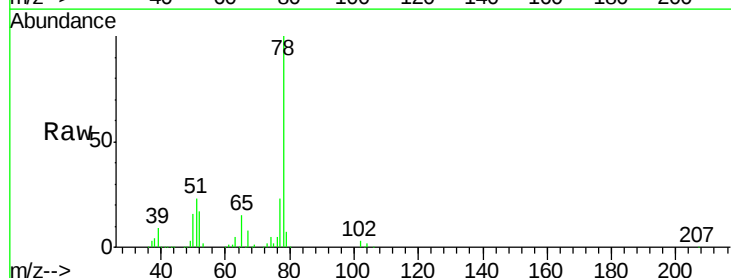
Manual Integrations
APPROVED

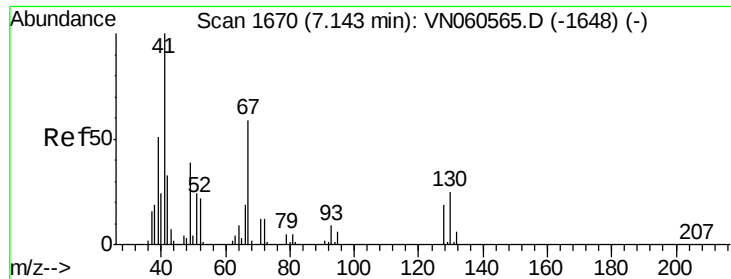
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#40
Benzene
Concen: 49.665 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	505487		
77	23.2	18.6	28.0	





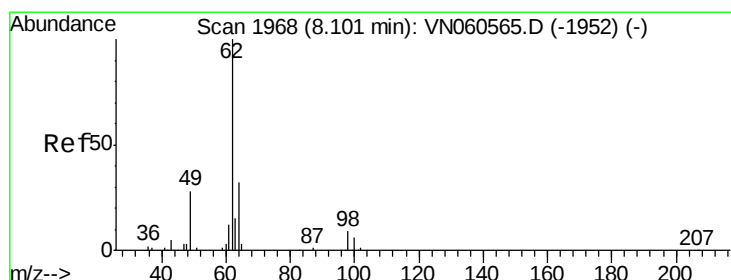
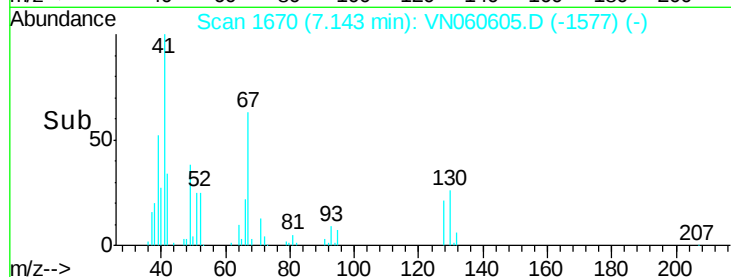
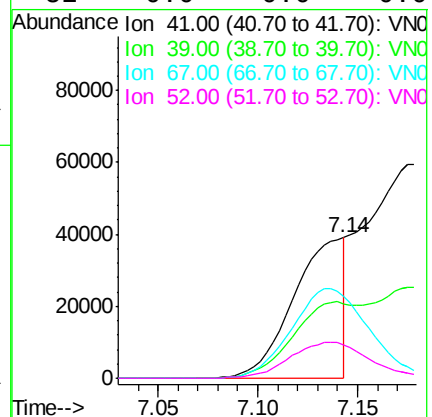
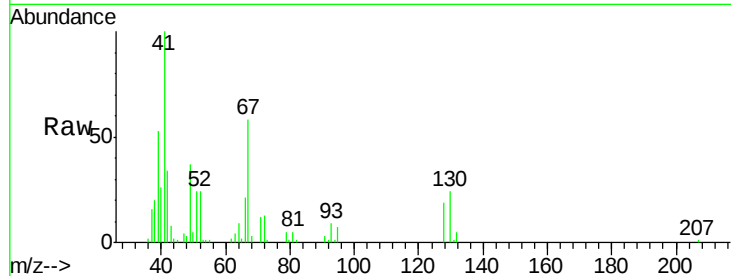
#41
Methacrylonitrile
Concen: 44.632 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	69391
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

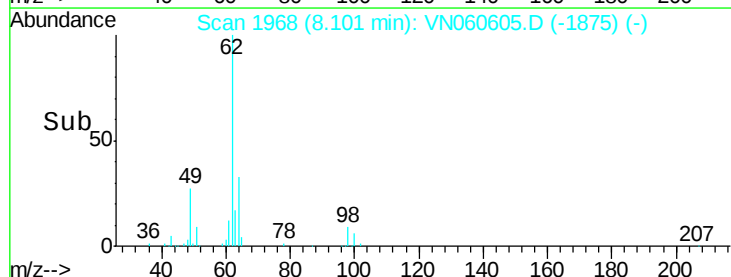
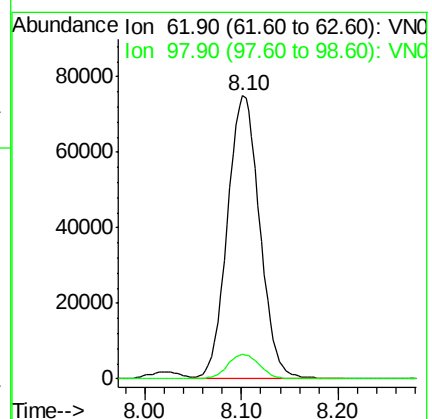
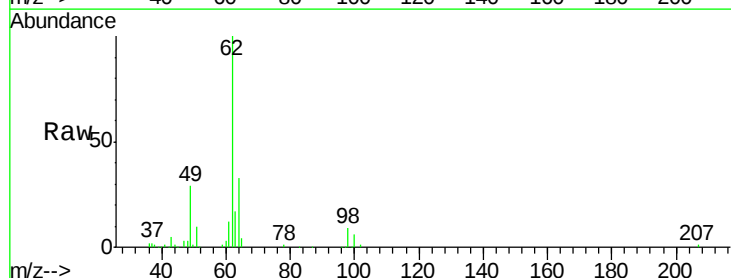
Manual Integrations
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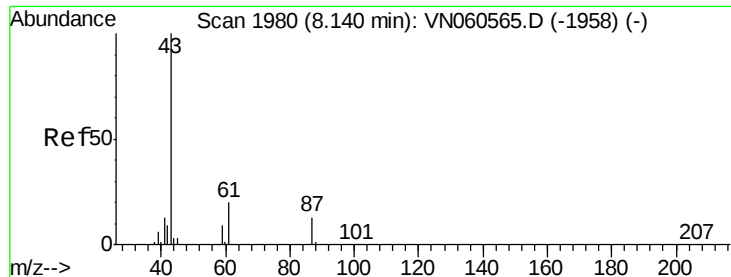
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3/19/2020 1:59:47 PM



#42
1,2-Dichloroethane
Concen: 50.220 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	62	Resp	174683
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.8





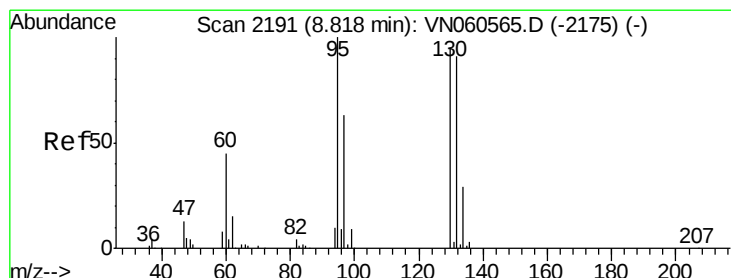
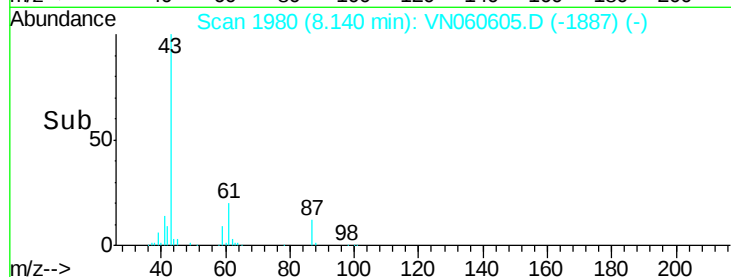
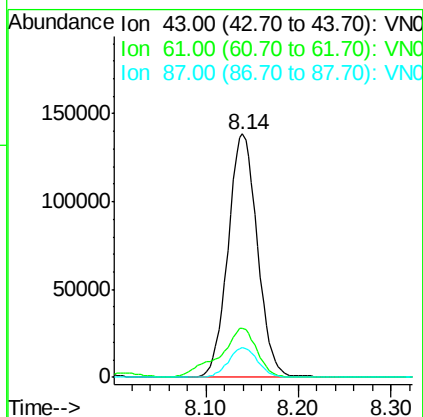
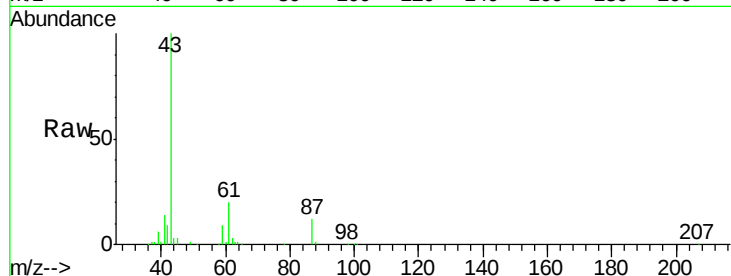
#43
Isopropyl Acetate
Concen: 50.412 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.2	9.8	14.8

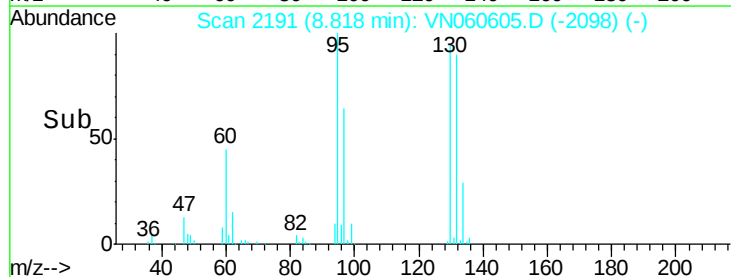
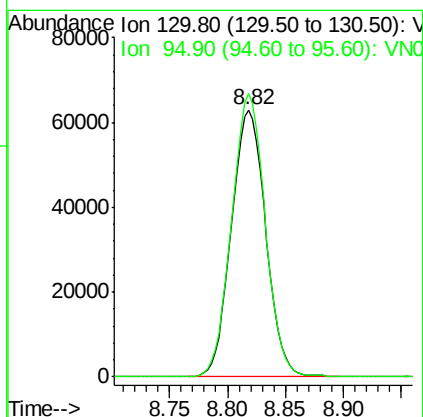
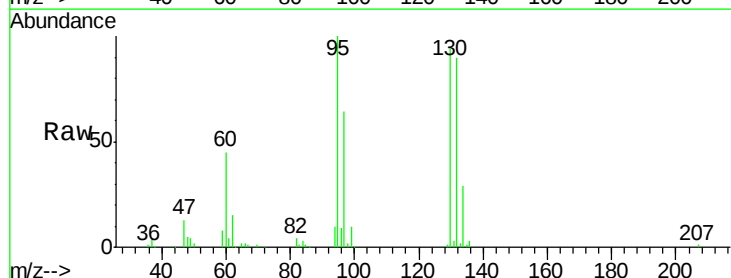
Manual Integrations
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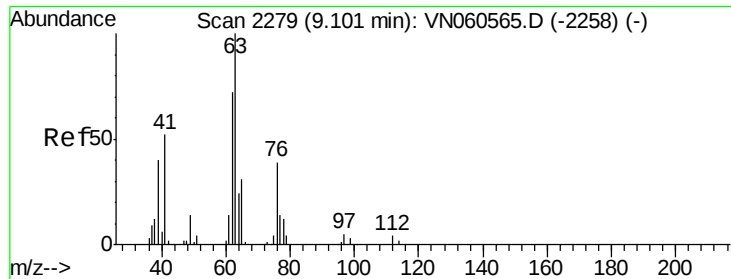
MMDadoda
3/19/2020 1:59:47 PM



#44
Trichloroethene
Concen: 50.341 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	211.2





#45

1,2-Dichloropropane

Concen: 50.983 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 136921

Ion Ratio Lower Upper

63 100

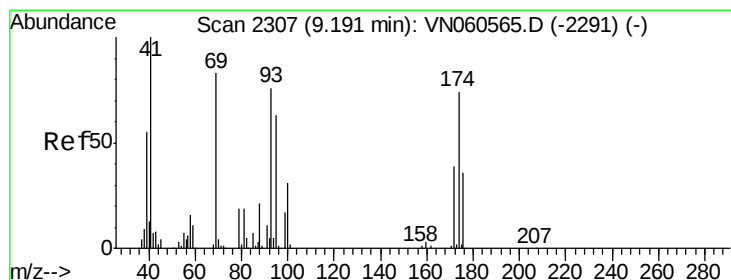
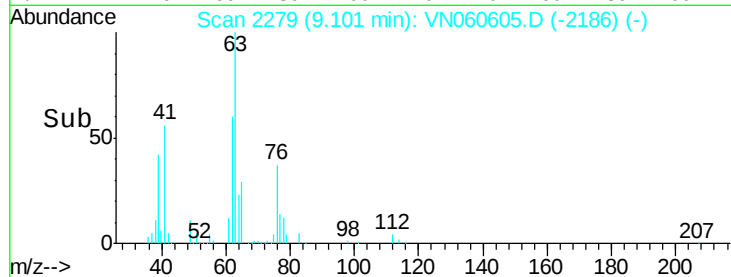
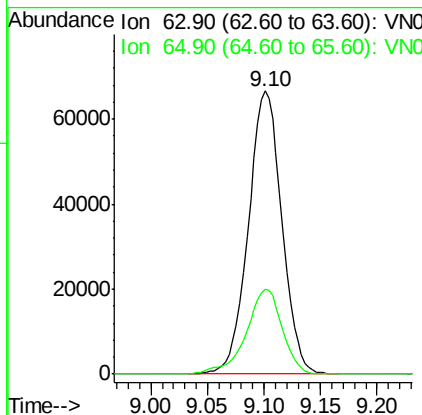
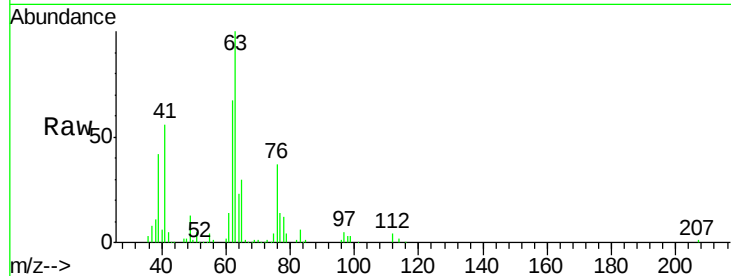
65 30.0 25.4 38.0

Manual Integrations

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3/19/2020 1:59:47 PM



#46

Dibromomethane

Concen: 50.473 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

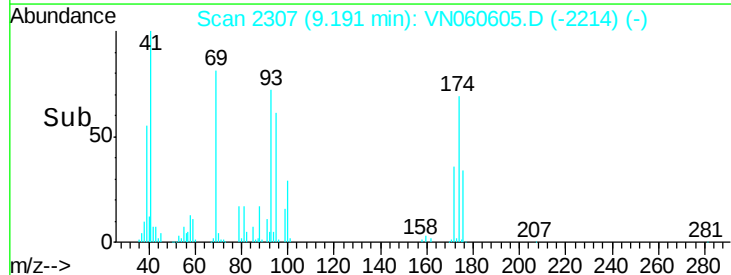
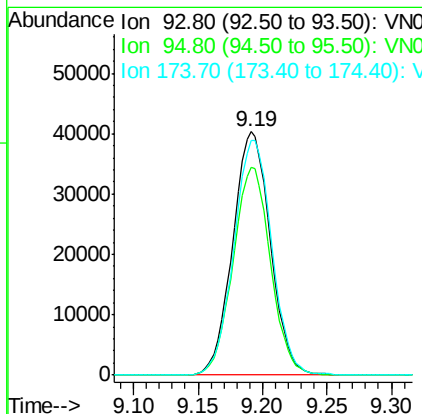
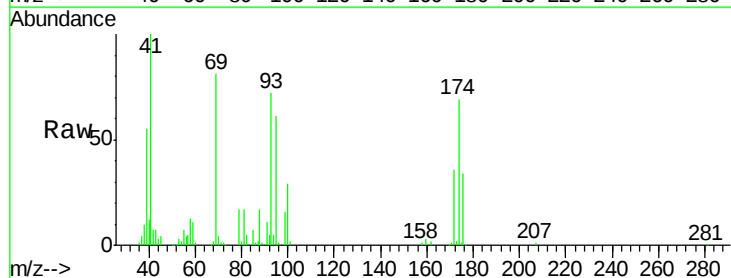
Tgt Ion: 93 Resp: 81949

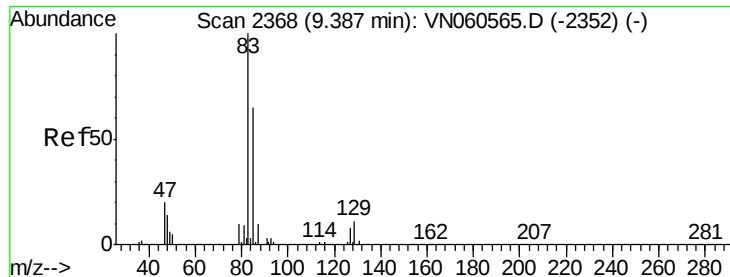
Ion Ratio Lower Upper

93 100

95 84.8 66.2 99.4

174 97.4 77.9 116.9





#47

Bromodichloromethane

Concen: 50.704 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

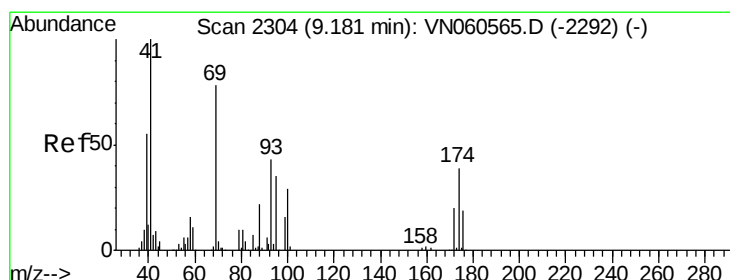
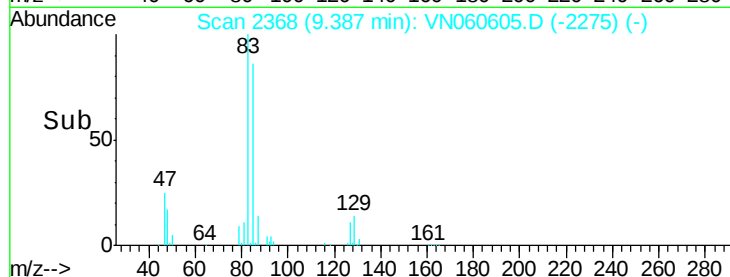
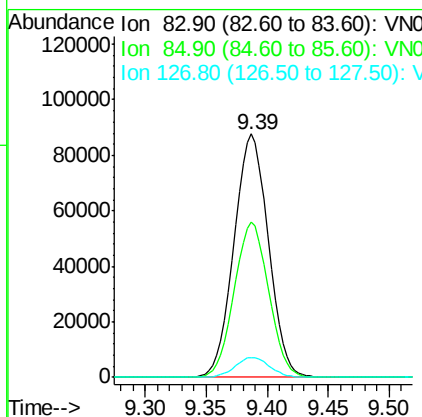
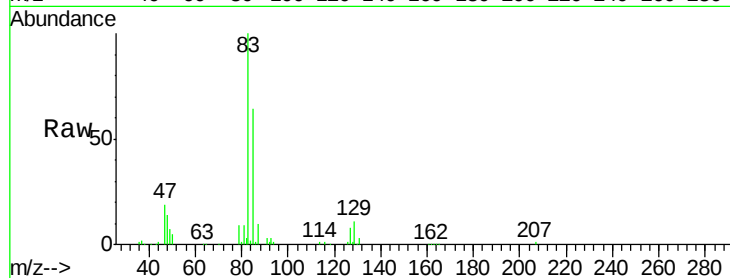
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	171071
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.8	77.6
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.881 ug/l

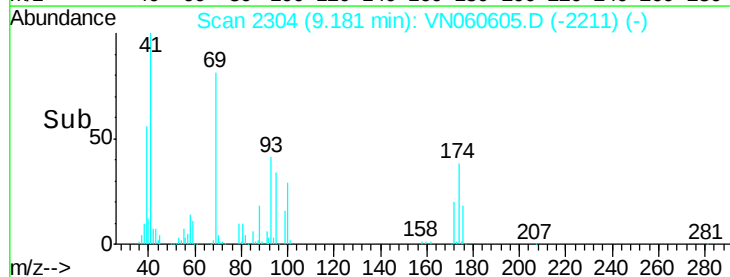
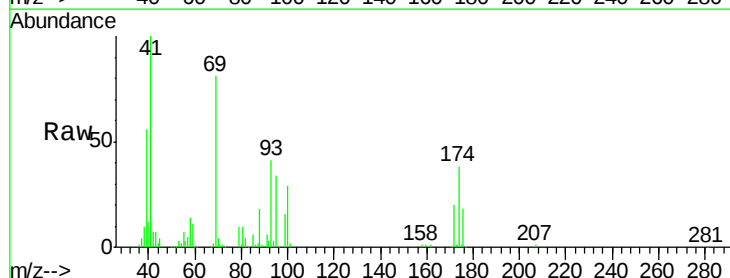
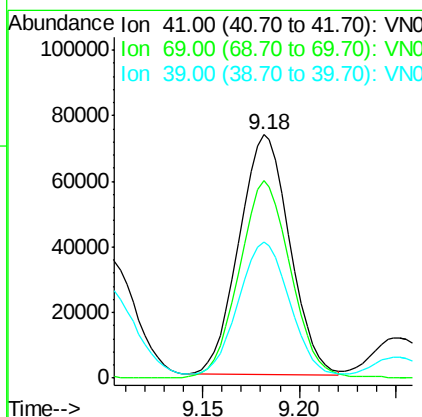
RT: 9.18 min Scan# 2304

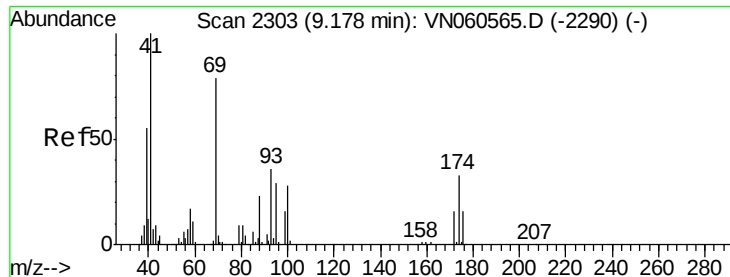
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	41	Resp:	133431
Ion Ratio	Lower	Upper	
41	100		
69	83.7	65.4	98.0
39	55.5	44.0	66.0





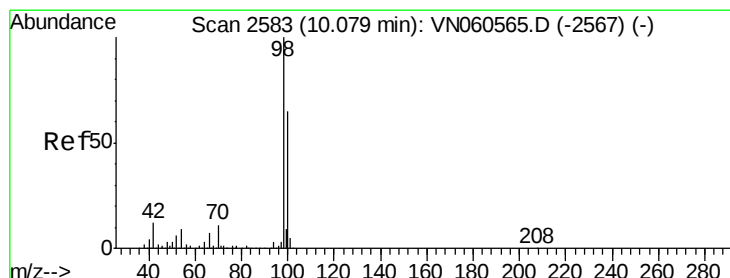
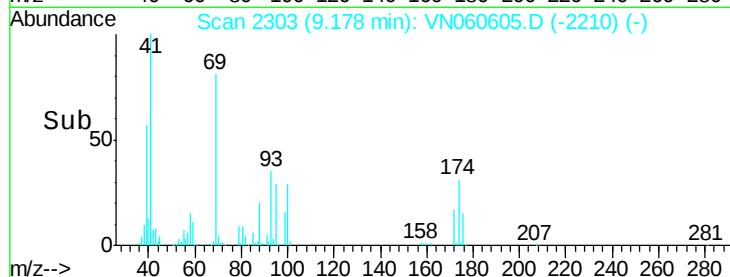
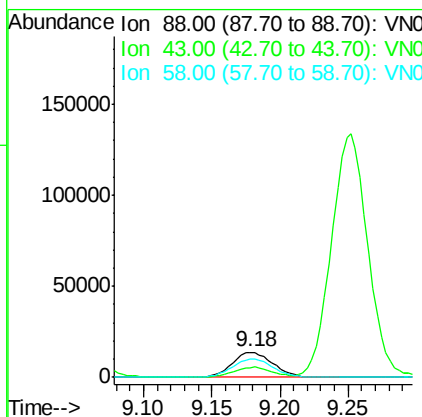
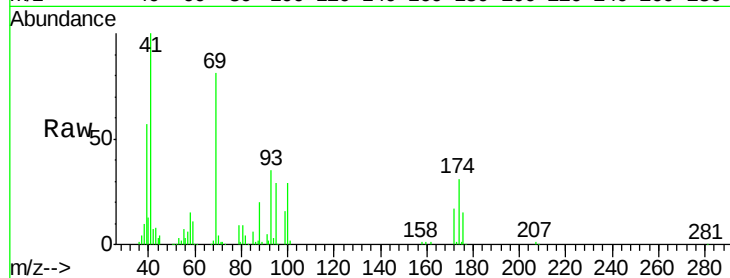
#49
1,4-Dioxane
Concen: 905.922 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	30.8	46.2
58	74.3	59.8	89.8

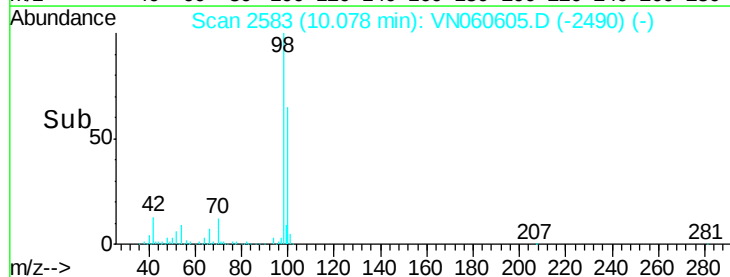
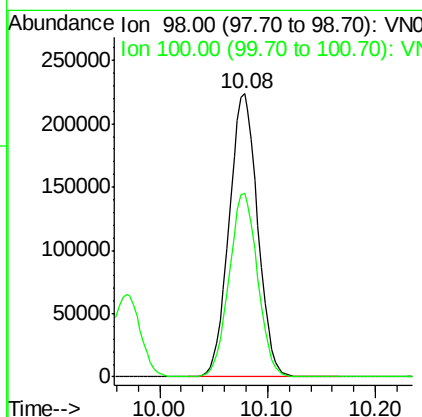
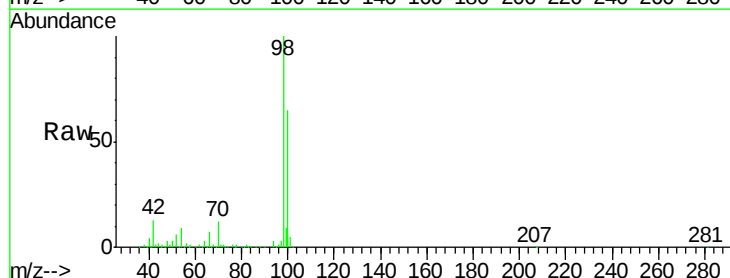
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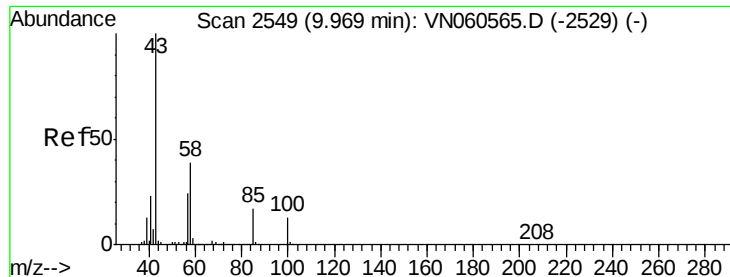
MMDadoda
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#50
Toluene-d8
Concen: 47.866 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 259.877 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 888485

Ion Ratio Lower Upper

43 100

58 38.6

30.8

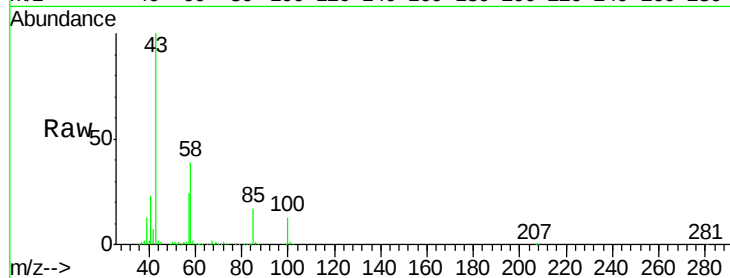
46.2

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Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

500000

400000

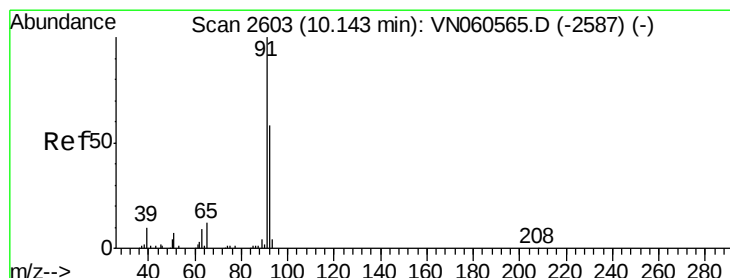
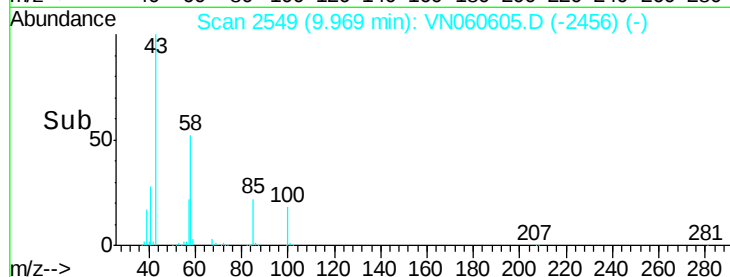
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.188 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion: 92 Resp: 308495

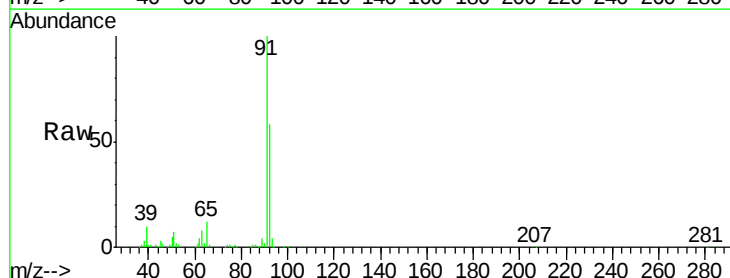
Ion Ratio Lower Upper

92 100

91 173.0

137.6

206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

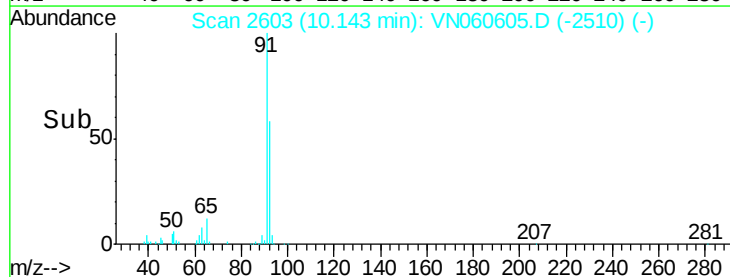
300000

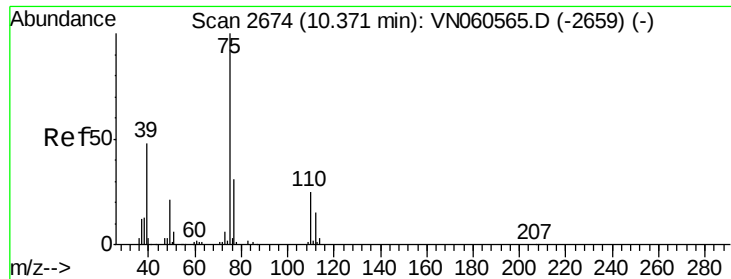
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.454 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 199410

Ion Ratio Lower Upper

75 100

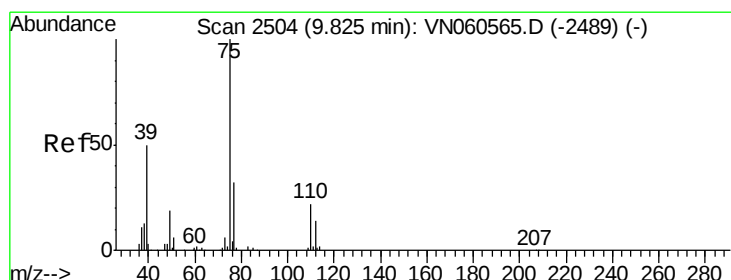
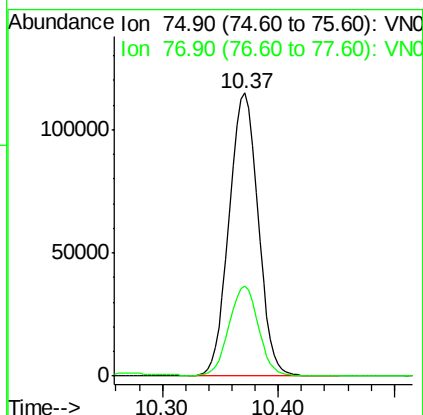
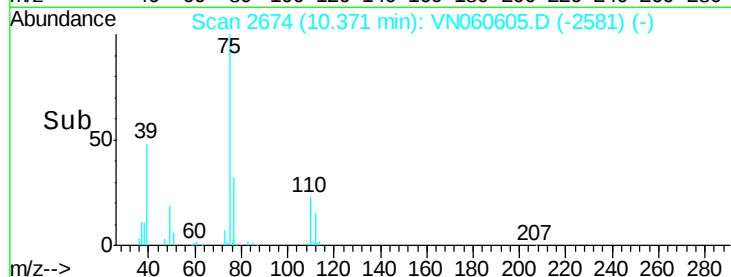
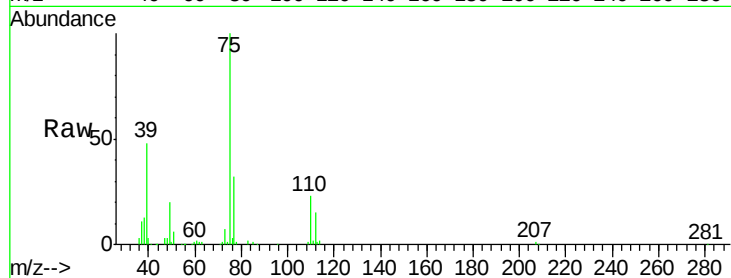
77 31.6 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 50.541 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

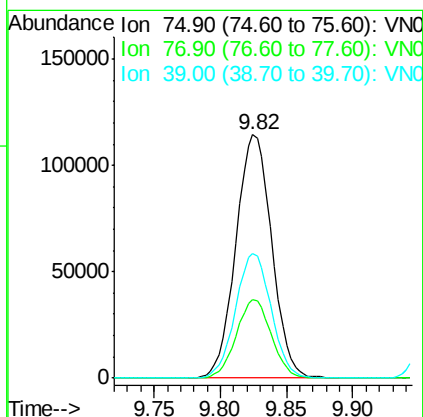
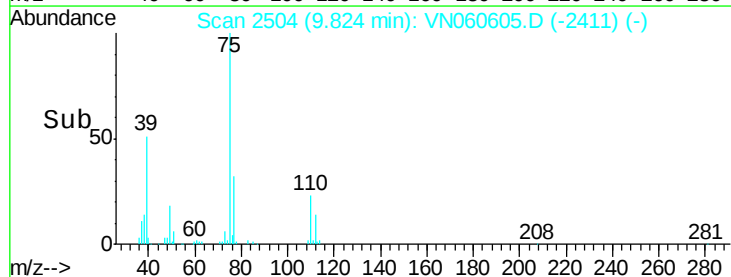
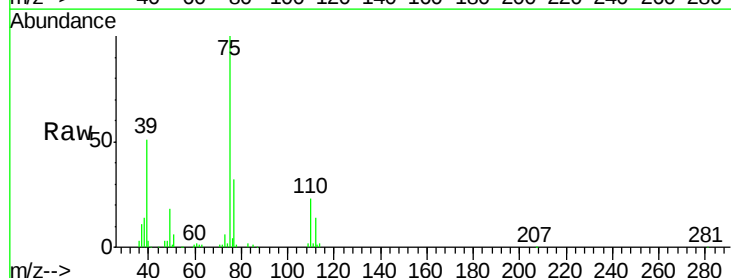
Tgt Ion: 75 Resp: 214881

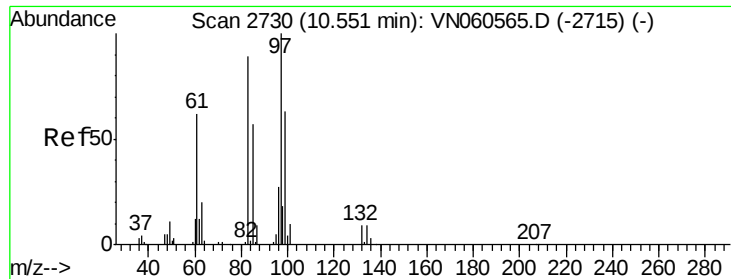
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 51.3 40.2 60.4





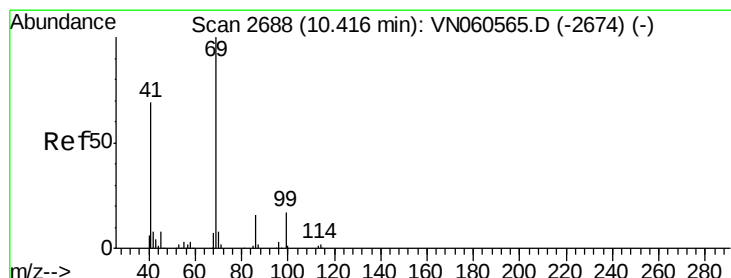
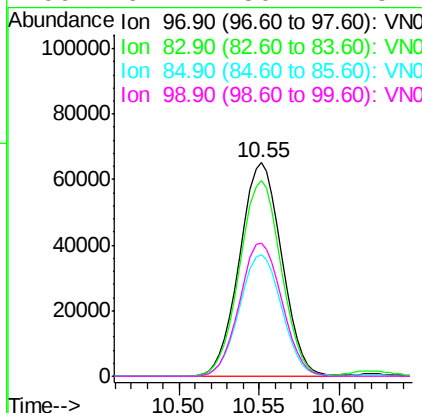
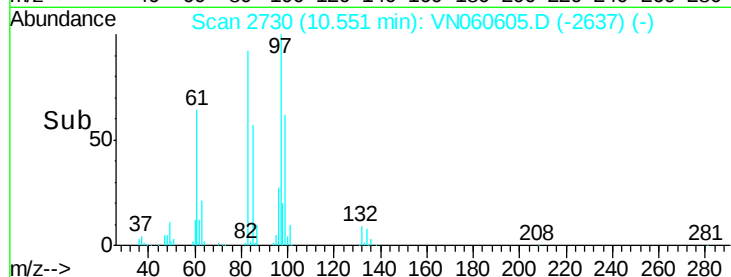
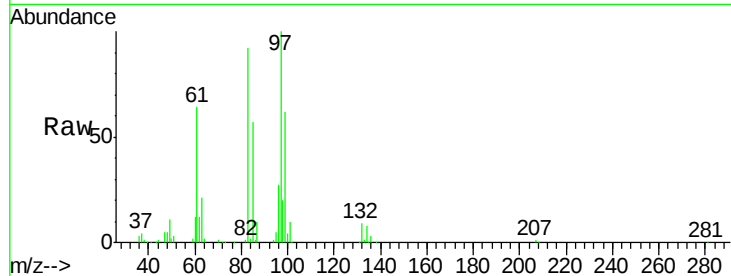
#55
 1,1,2-Trichloroethane
 Concen: 49.679 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	117478
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.3	106.9
85	57.2	45.2	67.8
99	62.4	50.1	75.1

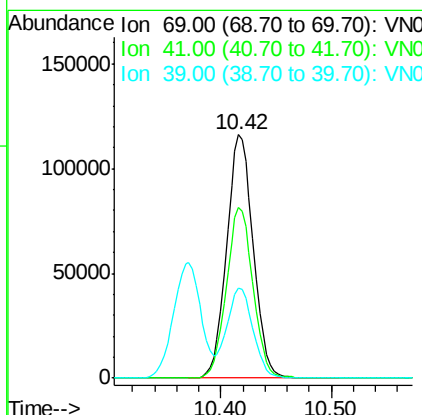
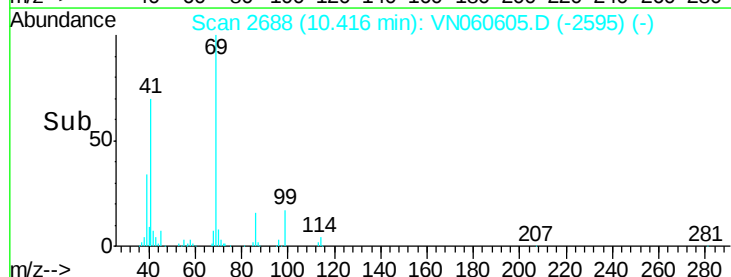
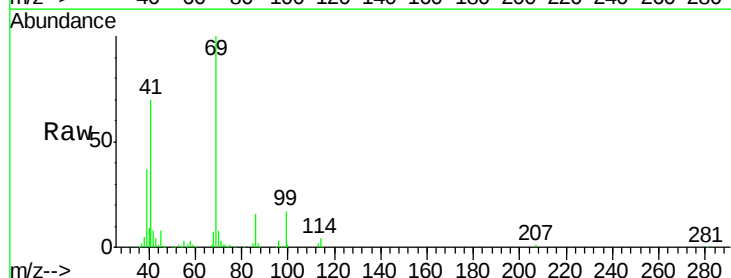
Manual Integrations
 APPROVED

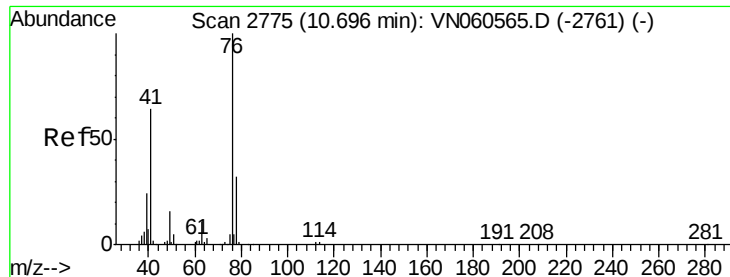
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#56
 Ethyl methacrylate
 Concen: 52.518 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion:	69	Resp:	193646
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.4	83.2
39	37.0	29.4	44.0





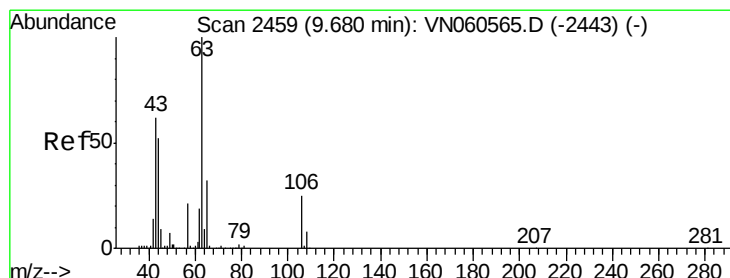
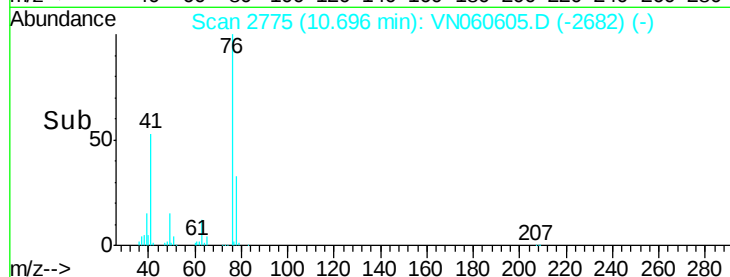
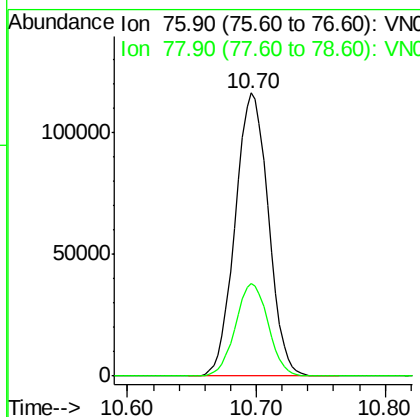
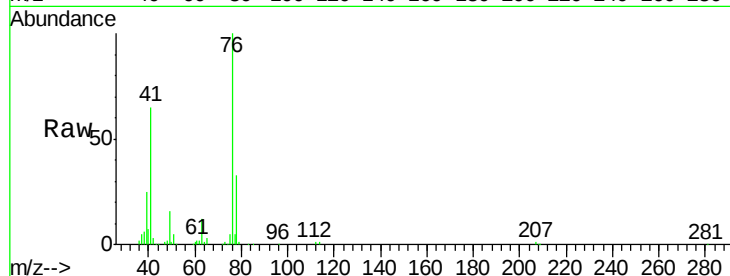
#57
 1,3-Dichloropropane
 Concen: 50.743 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

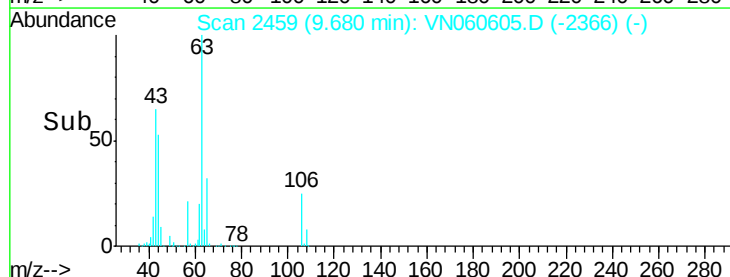
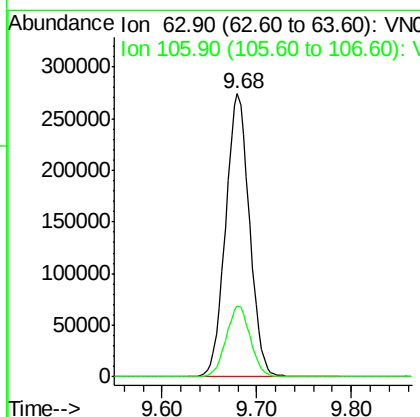
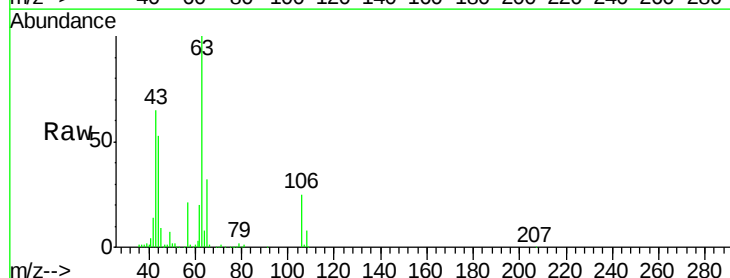
Manual Integrations
 APPROVED

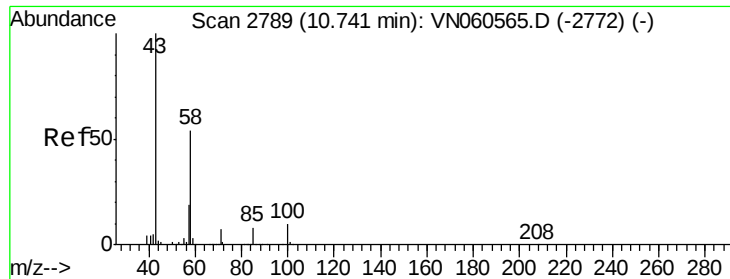
MMDadoda
 3/19/2020 1:59:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.989 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.0	30.0





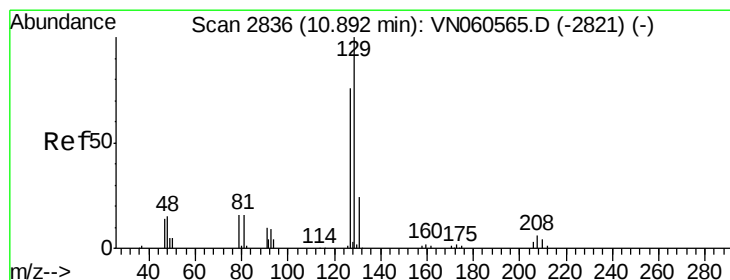
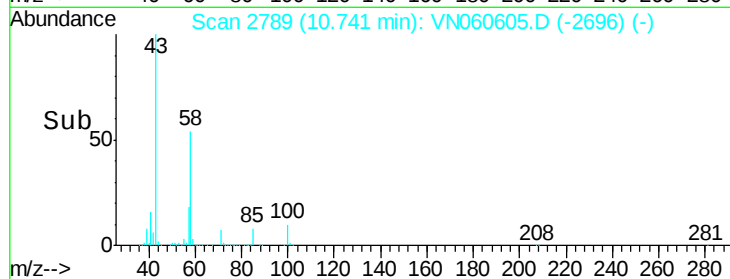
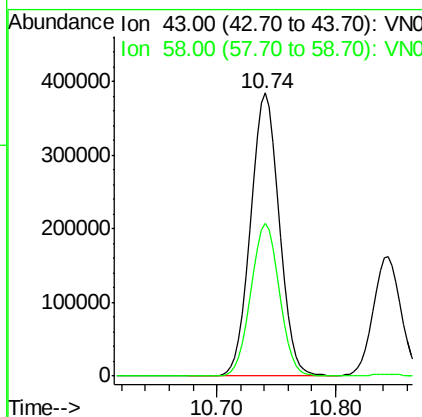
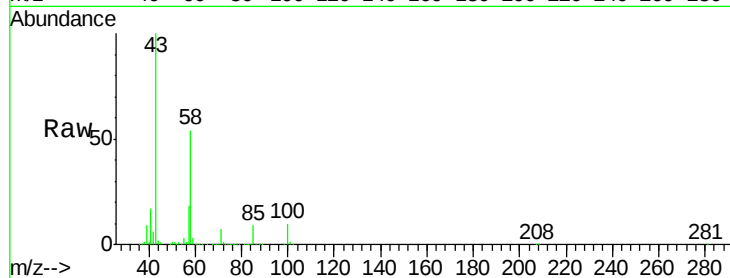
#59
2-Hexanone
Concen: 260.557 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 641698
Ion Ratio Lower Upper
43 100
58 54.0 26.7 80.1

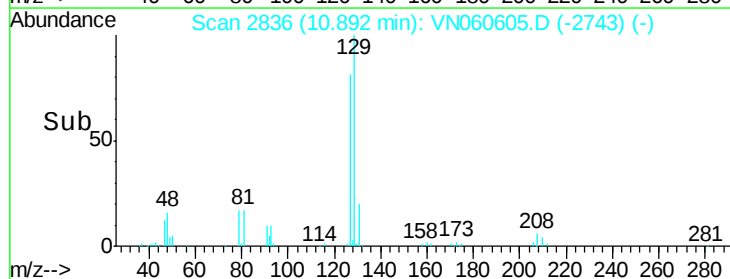
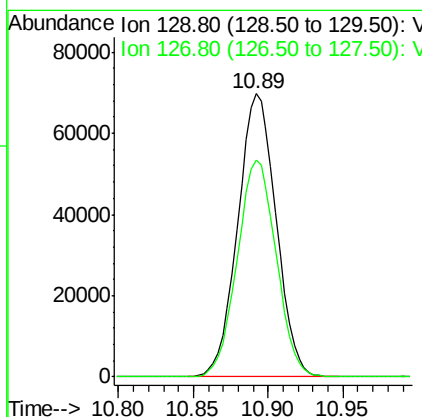
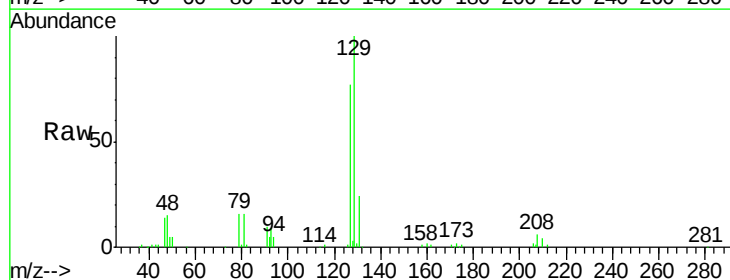
Manual Integrations
APPROVED

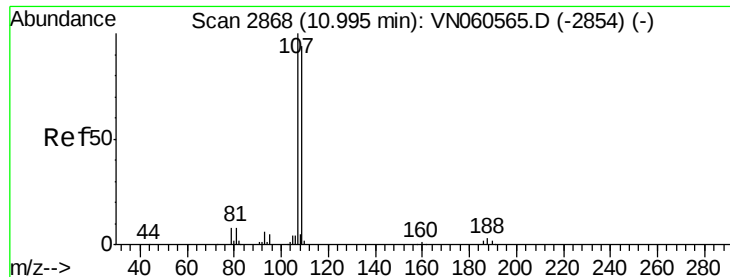
MMDadoda
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#60
Dibromochloromethane
Concen: 50.902 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion: 129 Resp: 124338
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





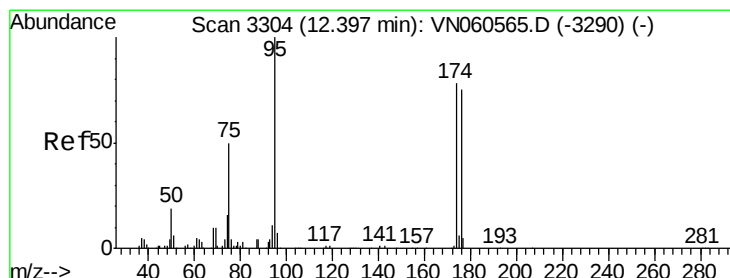
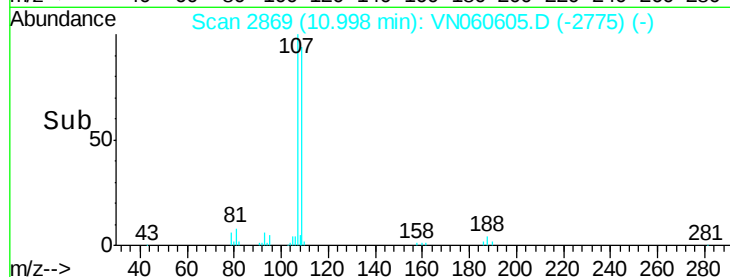
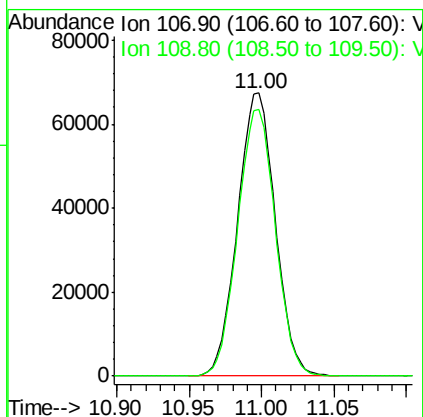
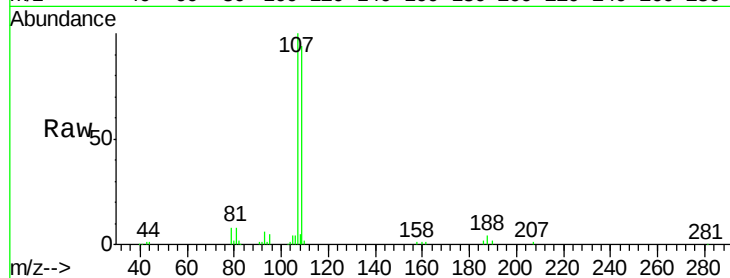
#61
 1,2-Dibromoethane
 Concen: 51.348 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

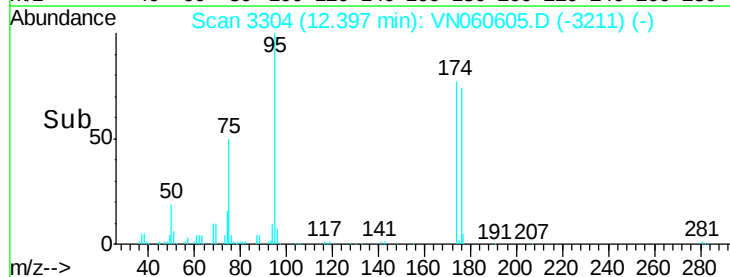
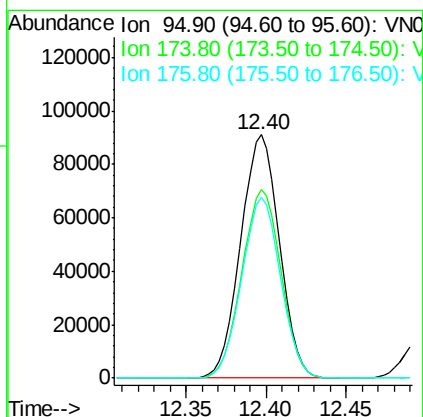
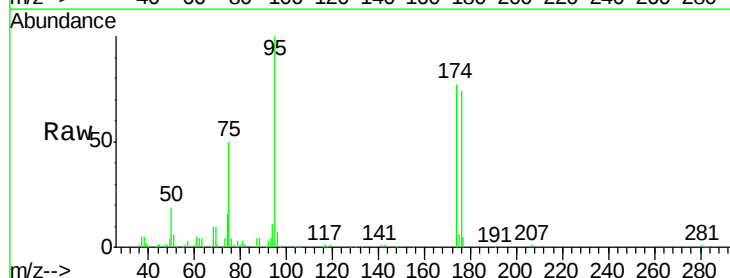
Manual Integrations
 APPROVED

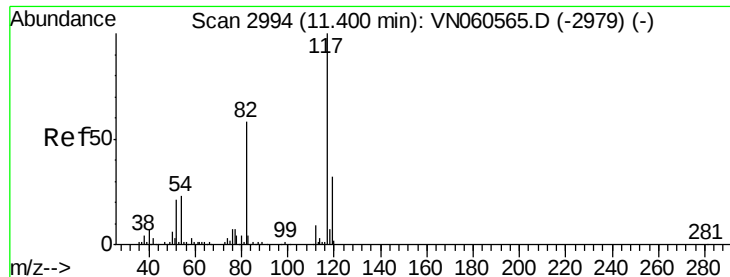
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#62
 4-Bromofluorobenzene
 Concen: 47.788 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	157.6
176	74.5	0.0	150.6





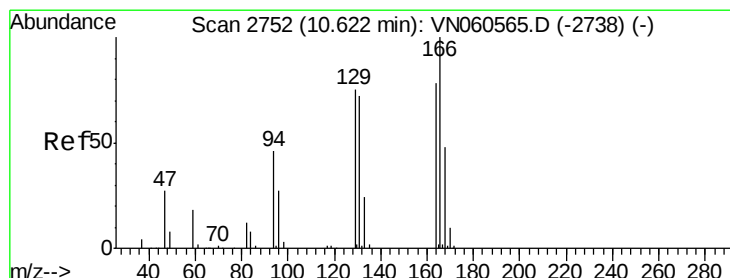
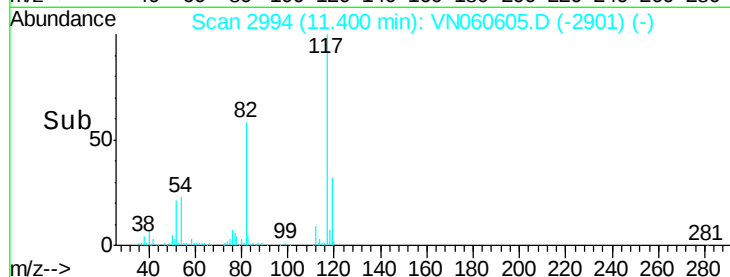
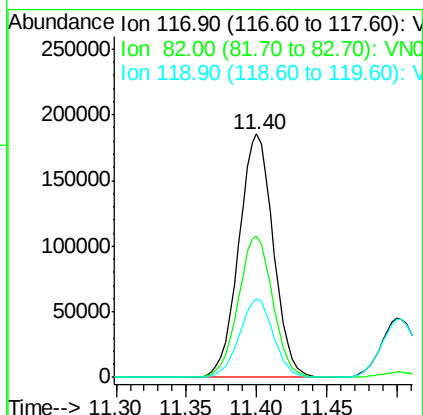
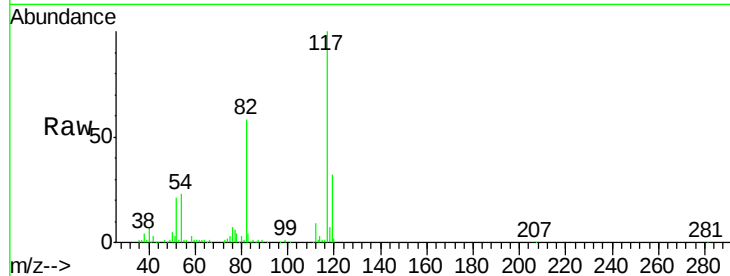
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.7	70.1
119	32.2	25.5	38.3

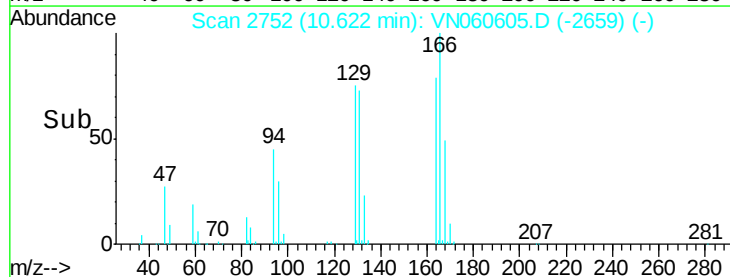
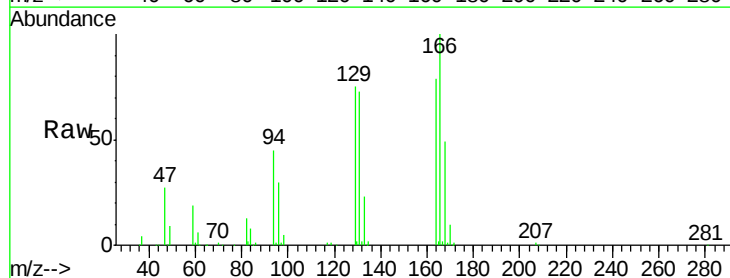
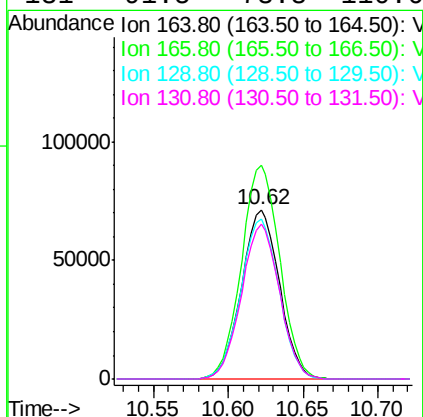
Manual Integrations
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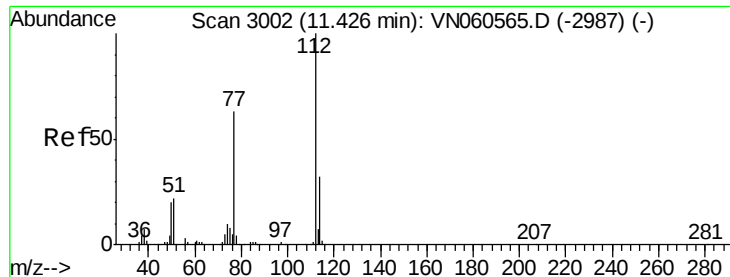
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#64
Tetrachloroethene
Concen: 50.530 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.7	154.1
129	94.1	77.2	115.8
131	91.5	73.8	110.6





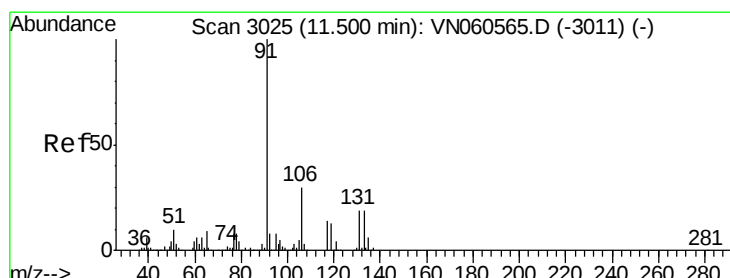
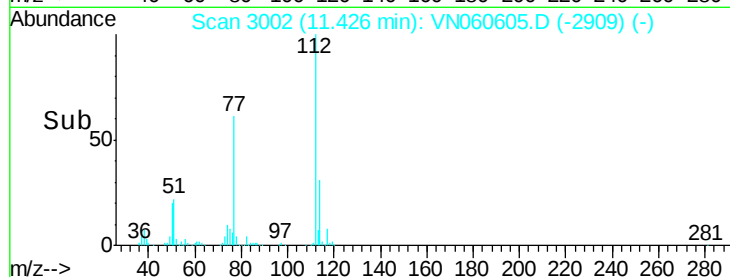
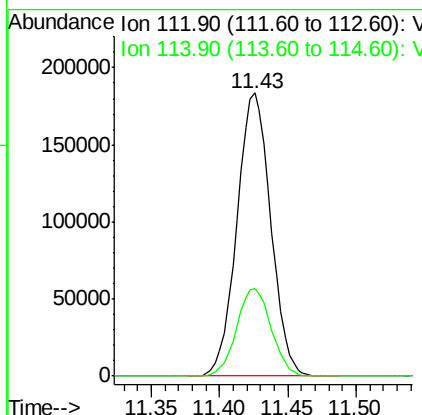
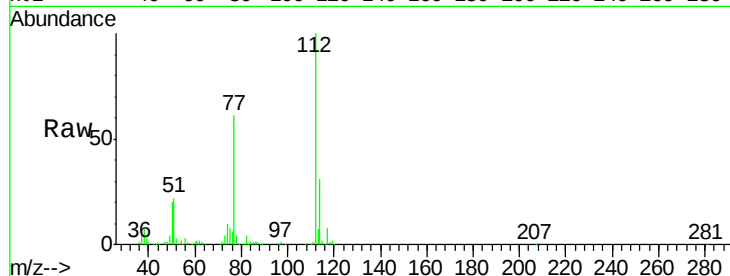
#65
Chlorobenzene
Concen: 50.214 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 315763
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

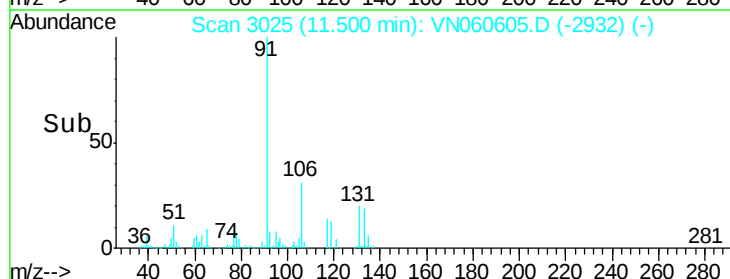
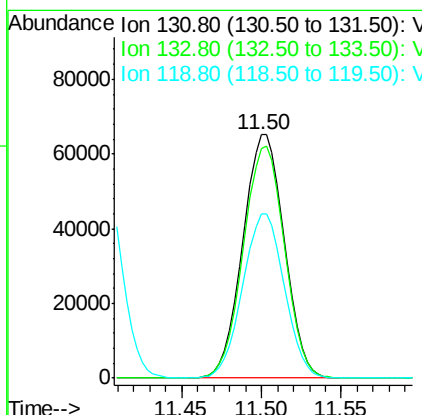
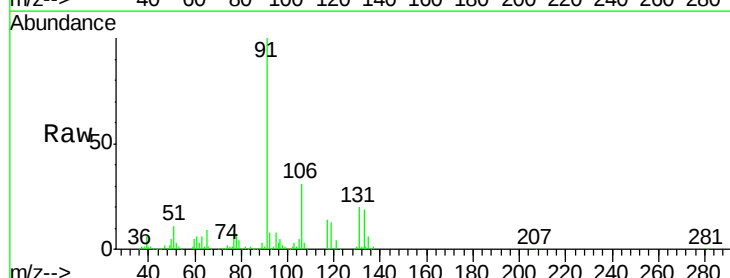
Manual Integrations
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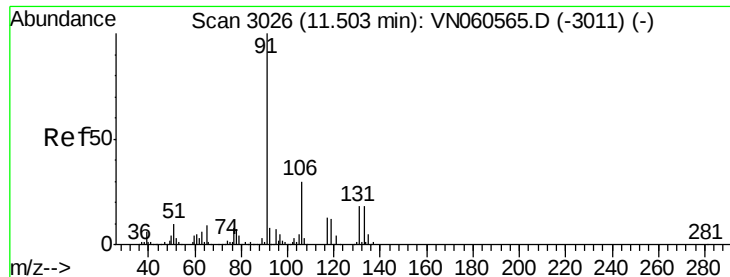
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.715 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion:131 Resp: 115467
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.8
119 67.5 33.9 101.7





#67

Ethyl Benzene

Concen: 50.582 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 591516

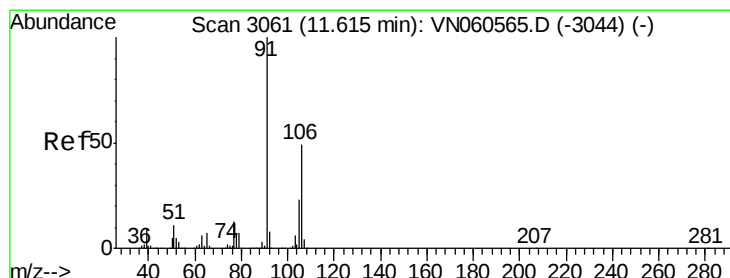
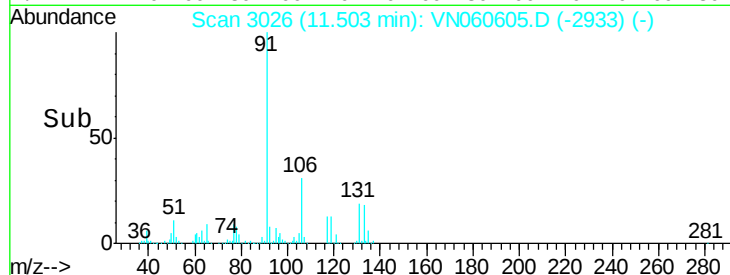
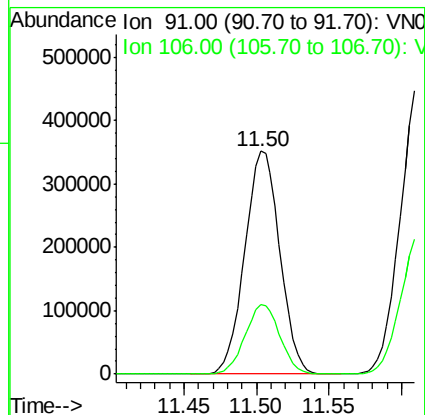
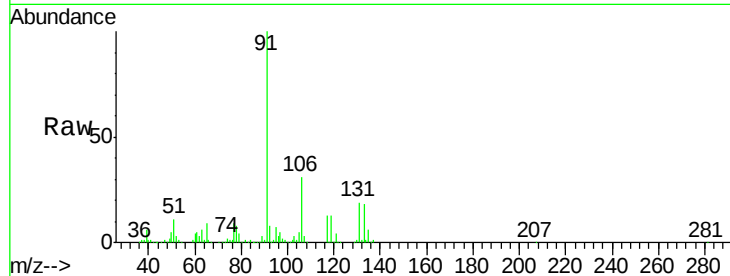
Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.621 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060605.D

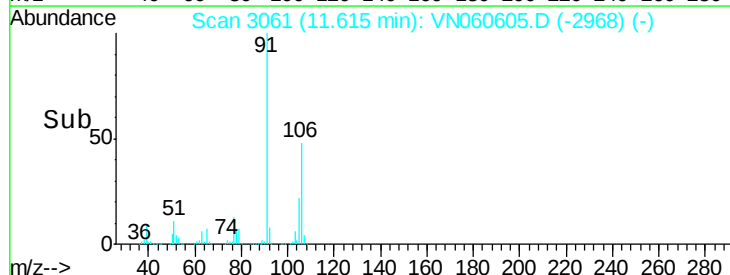
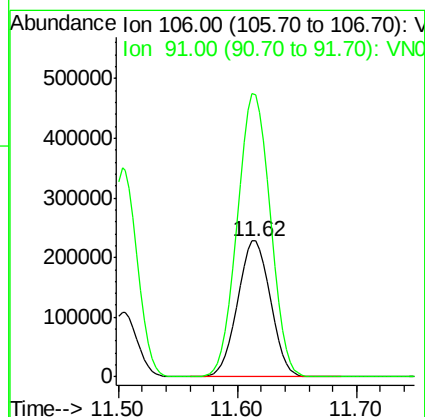
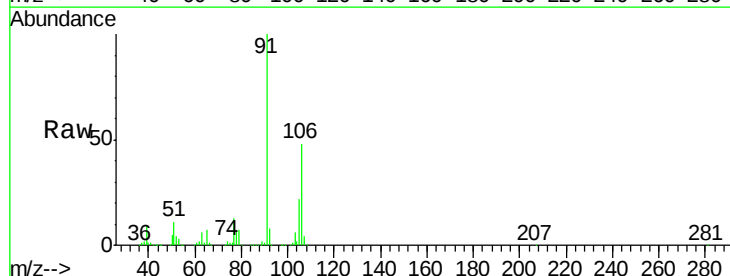
Acq: 18 Mar 2020 20:35

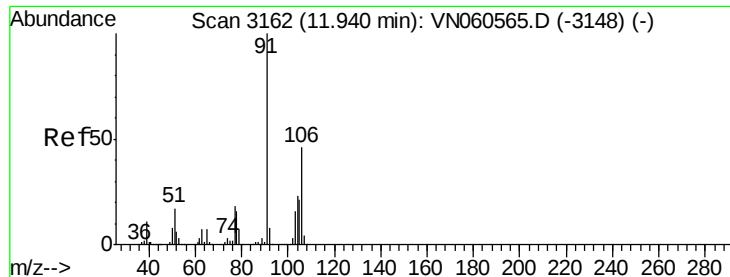
Tgt Ion: 106 Resp: 437258

Ion Ratio Lower Upper

106 100

91 208.6 165.0 247.4





#69

o-Xylene

Concen: 50.594 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 209884

Ion Ratio Lower Upper

106 100

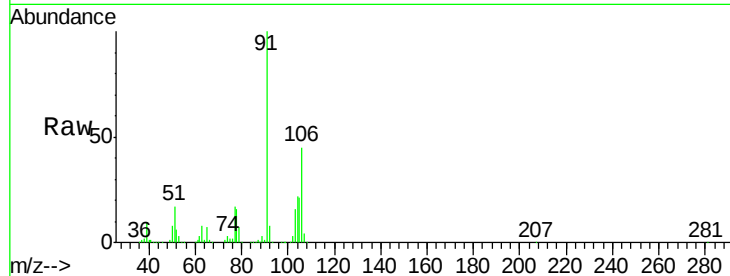
91 218.6 109.5 328.4

Manual Integrations

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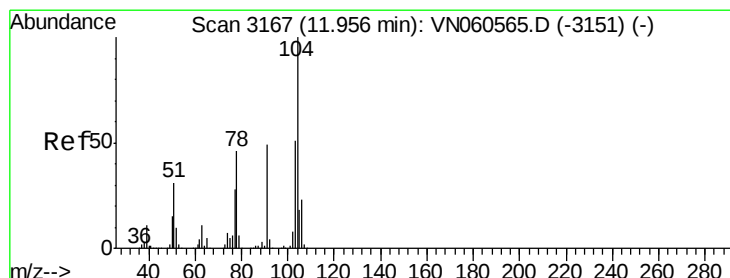
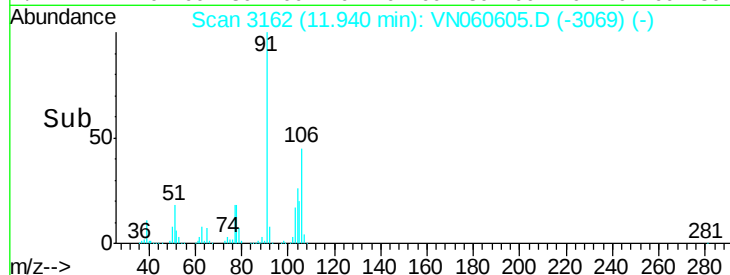
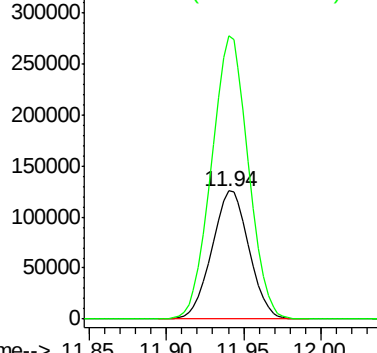
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 52.008 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

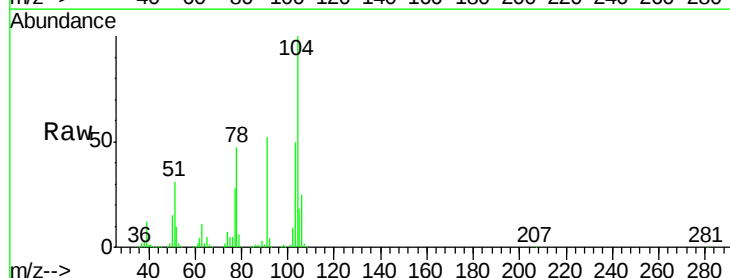
Tgt Ion:104 Resp: 352857

Ion Ratio Lower Upper

104 100

78 51.0 41.2 61.8

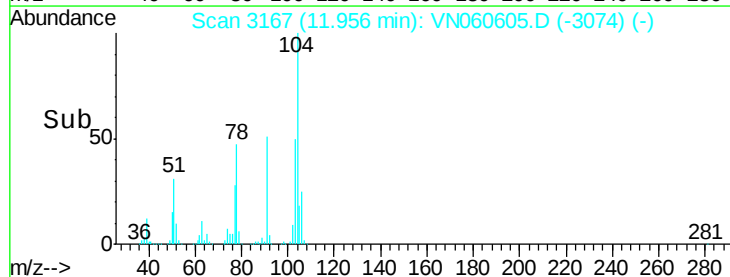
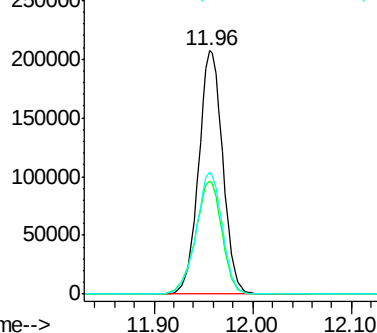
103 54.0 44.0 66.0

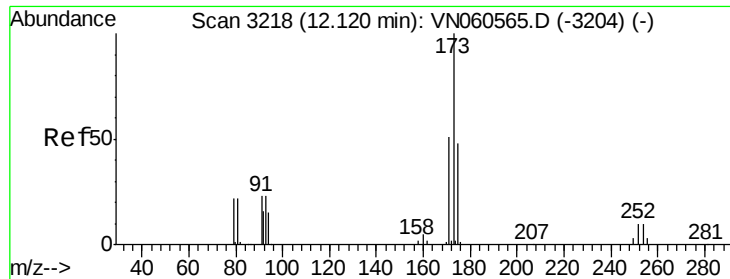


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





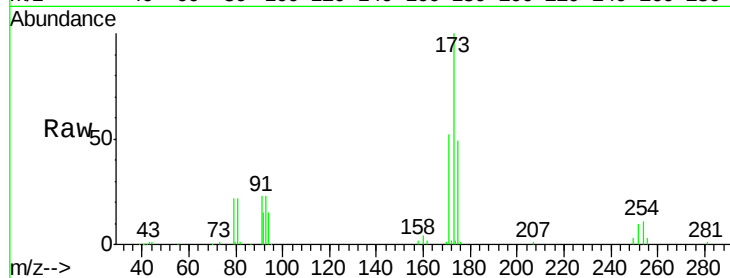
#71
Bromoform
Concen: 47.688 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

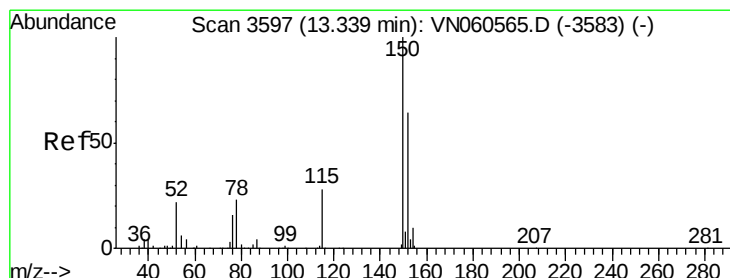
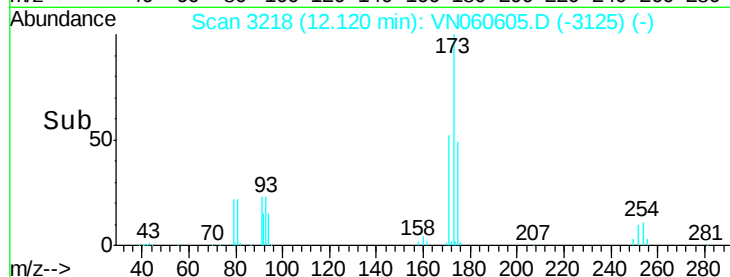
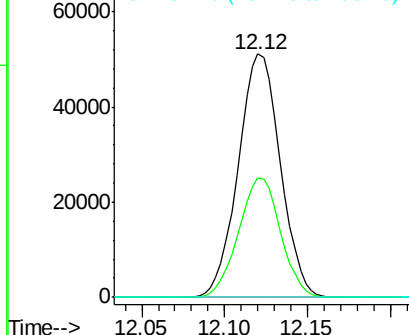
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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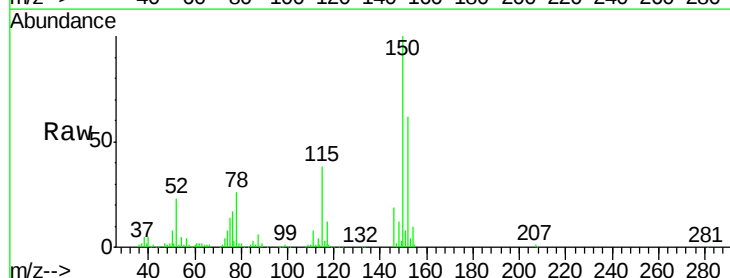


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

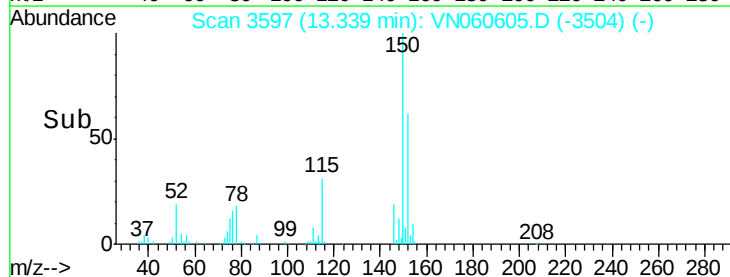
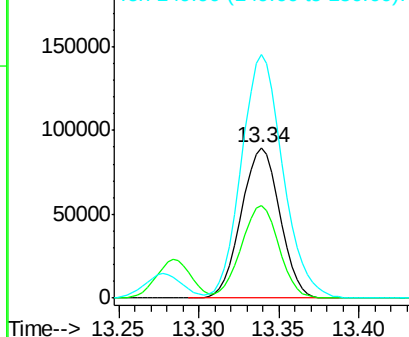


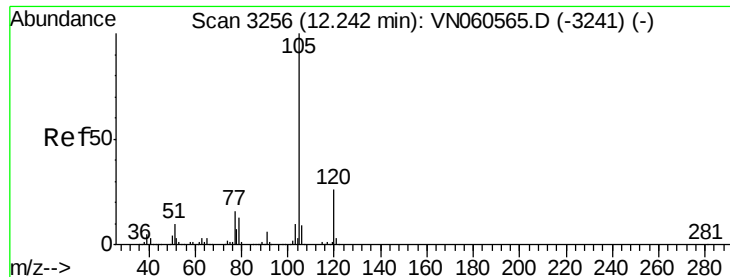
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.2	90.6
150	174.6	0.0	350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.959 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 565240

Ion Ratio Lower Upper

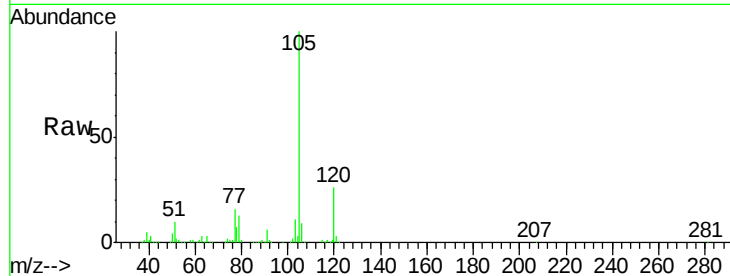
105 100

120 25.7 13.1 39.1

Manual Integrations
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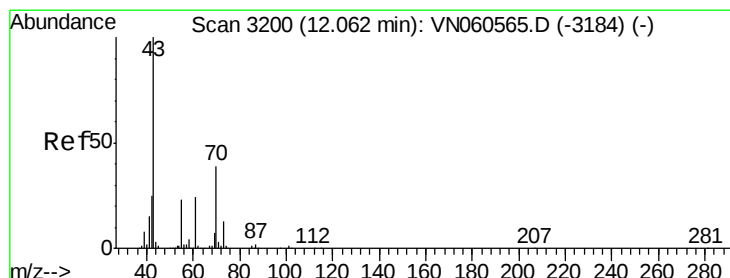
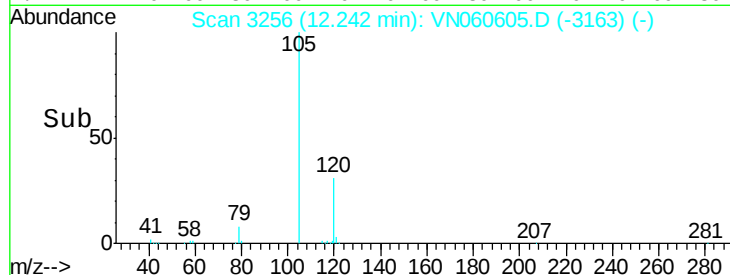
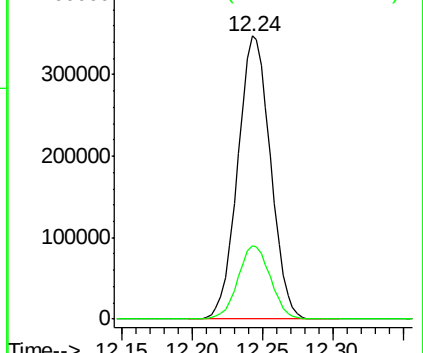
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.361 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion: 43 Resp: 263252

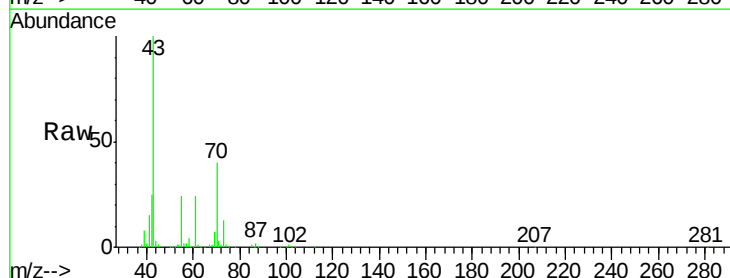
Ion Ratio Lower Upper

43 100

70 39.7 31.1 46.7

55 23.8 18.6 27.8

61 23.6 18.9 28.3

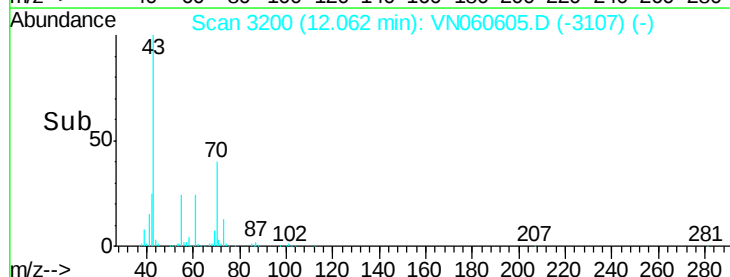
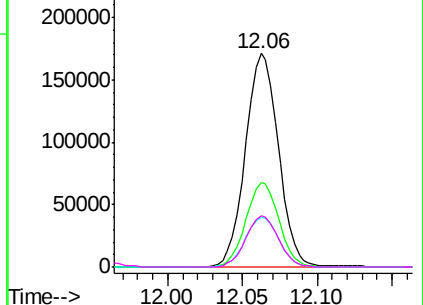


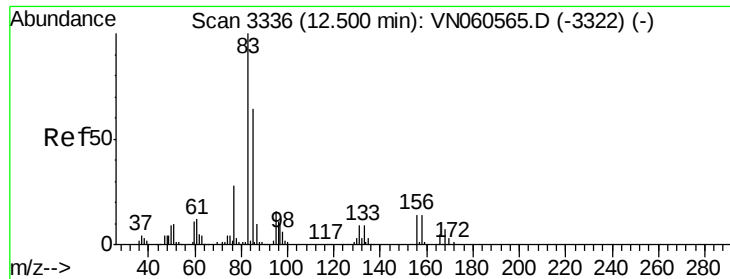
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.198 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

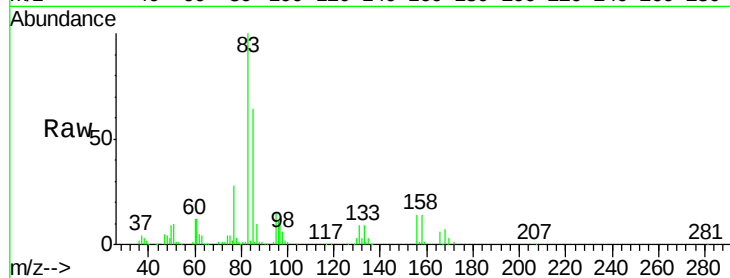
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168382
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	64.2	32.5	97.4

Manual Integrations
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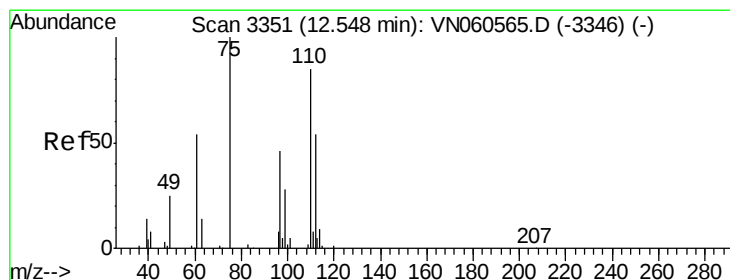
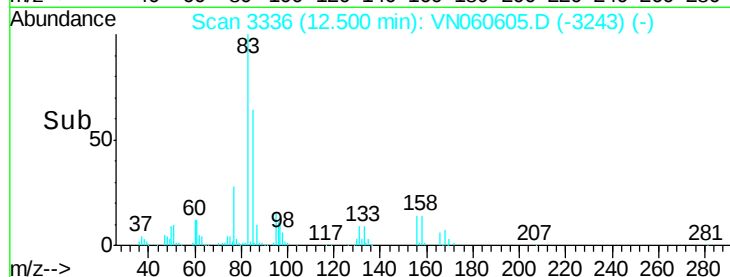
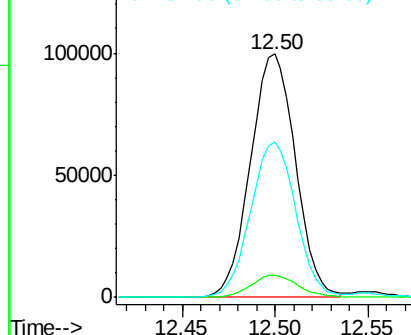
MMDadoda
3/19/2020 1:59:47 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060605.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060605.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060605.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 49.251 ug/l m

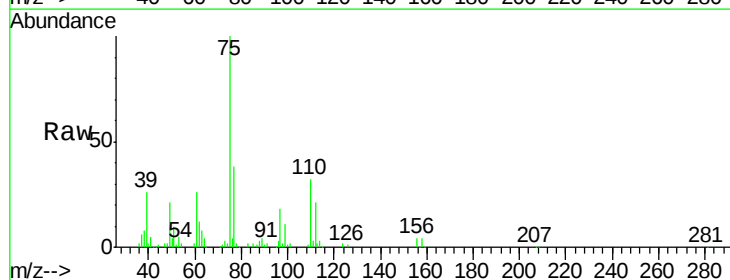
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060605.D

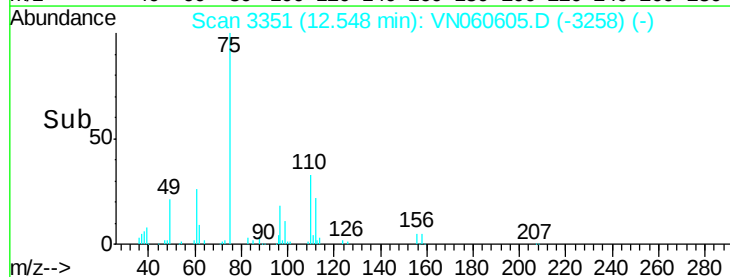
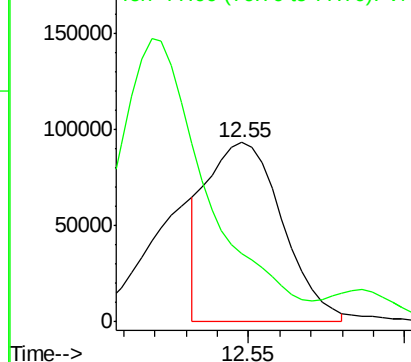
Acq: 18 Mar 2020 20:35

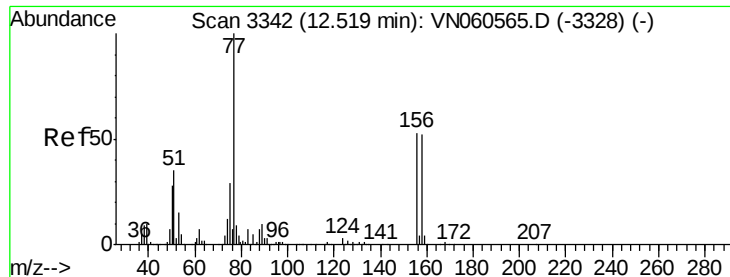
Tgt Ion:	75	Resp:	157076
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060605.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060605.D (-3346) (-)





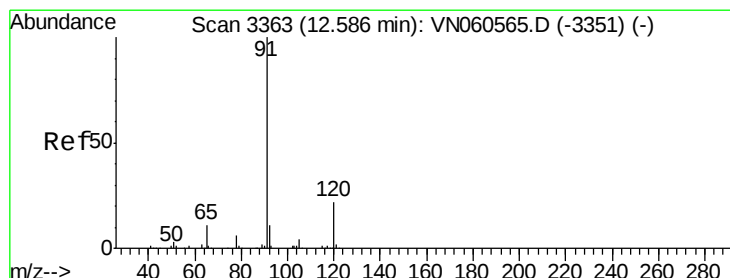
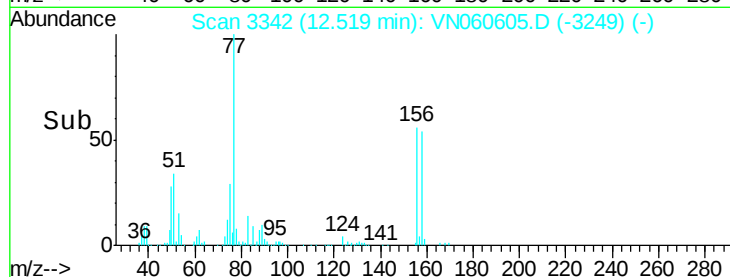
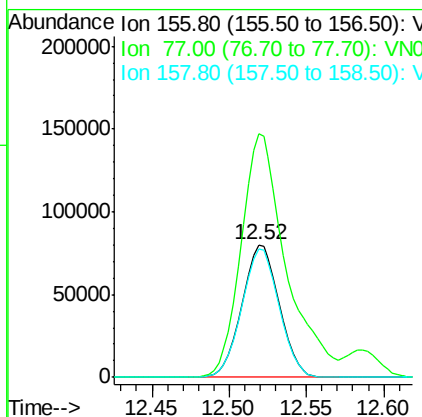
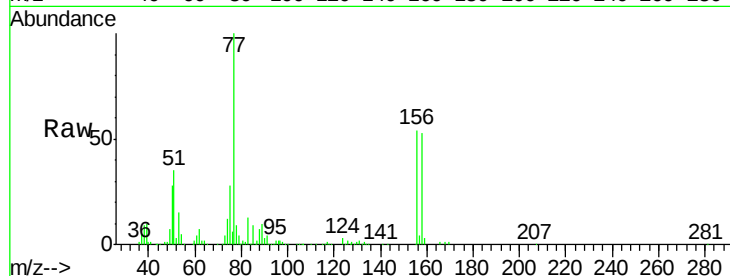
#77
Bromobenzene
Concen: 50.259 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.7	112.3	337.0
158	97.1	48.6	145.8

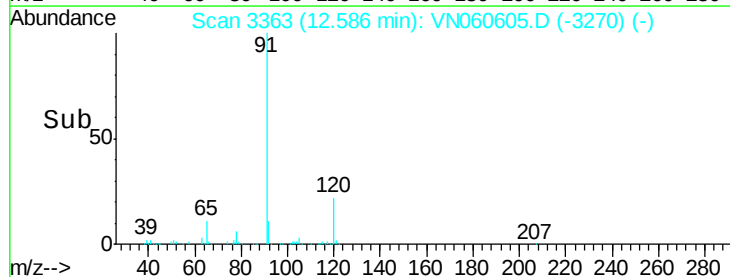
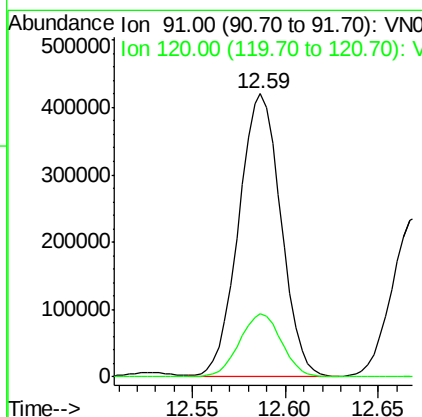
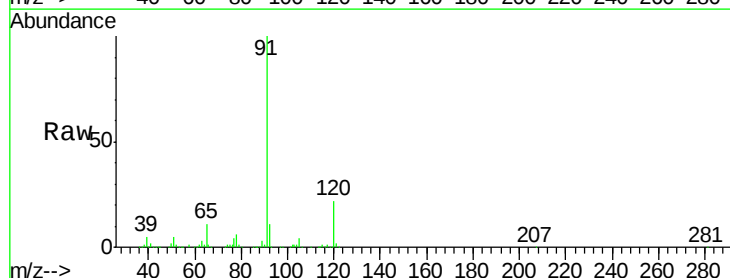
Manual Integrations
APPROVED

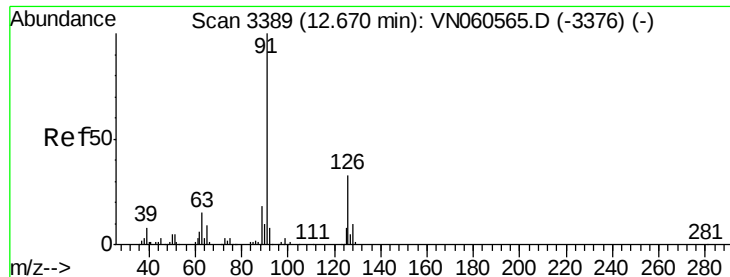
MMDadoda
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#78
n-propylbenzene
Concen: 50.688 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





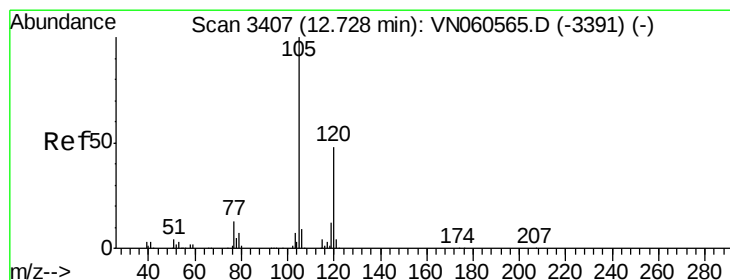
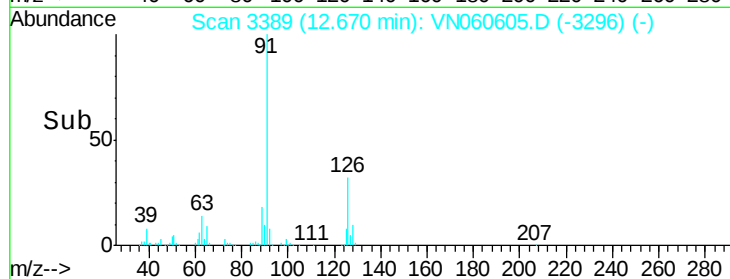
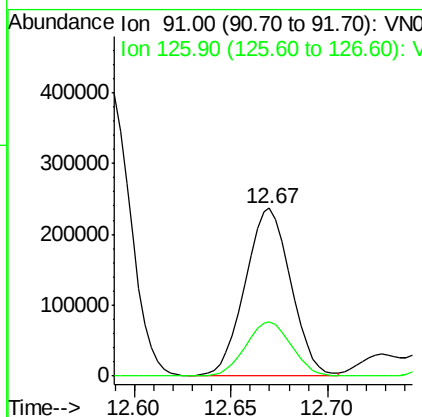
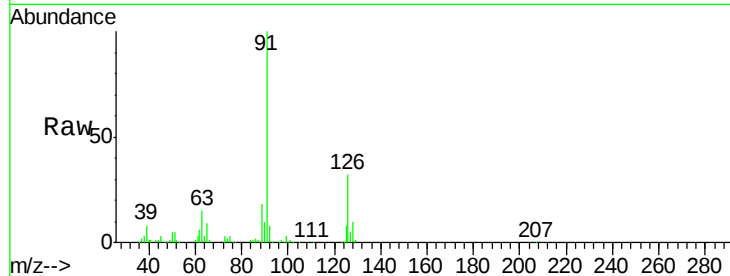
#79
 2-Chlorotoluene
 Concen: 49.614 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 388482
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.1

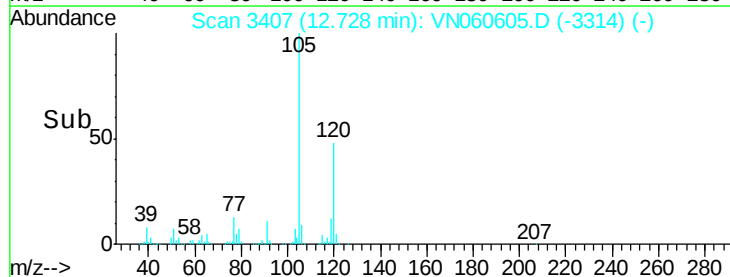
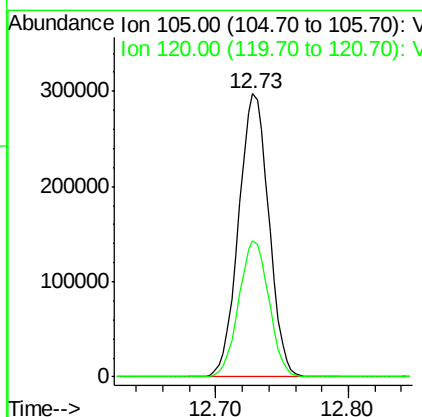
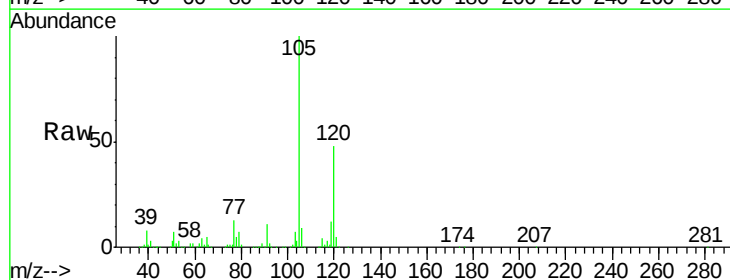
Manual Integrations
 APPROVED

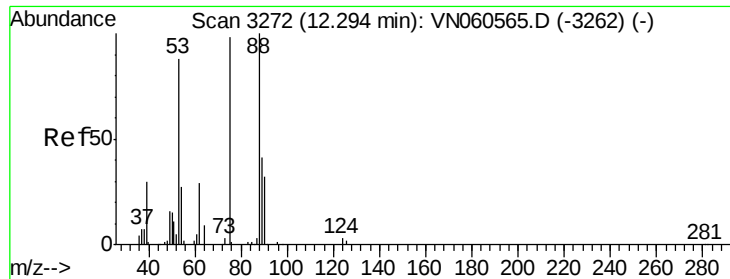
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.948 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion: 105 Resp: 470161
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 50.347 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

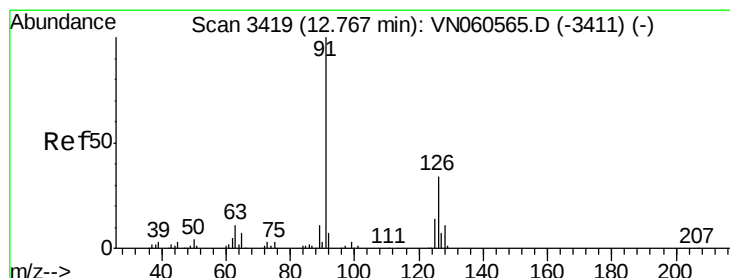
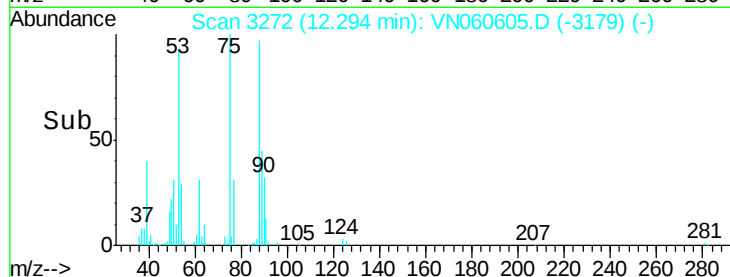
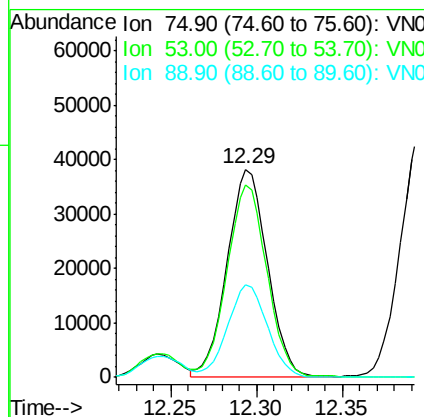
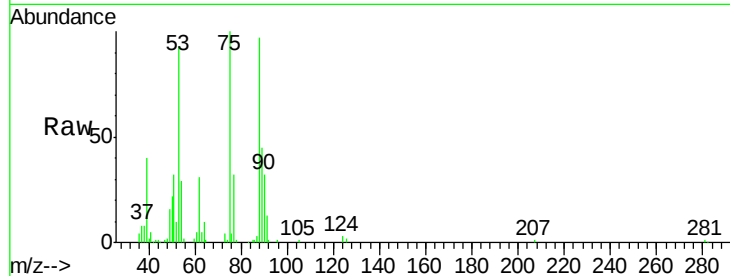
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	62521
Ion	Ratio	Lower	Upper
75	100		
53	91.9	73.0	109.4
89	43.7	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.229 ug/l

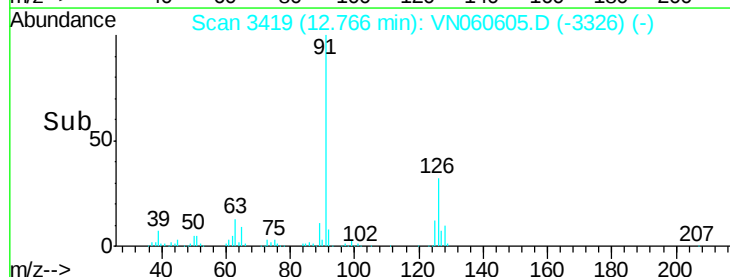
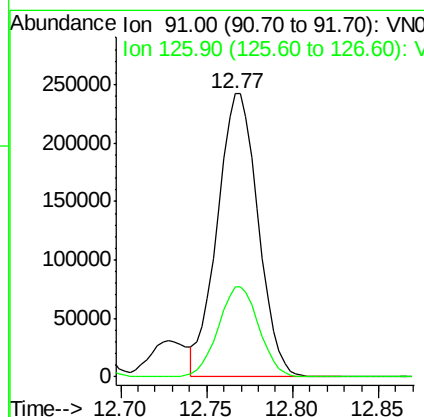
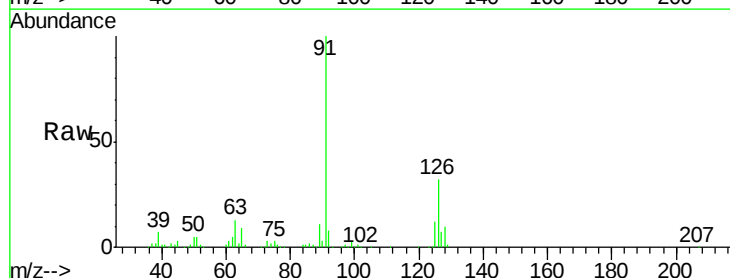
RT: 12.77 min Scan# 3419

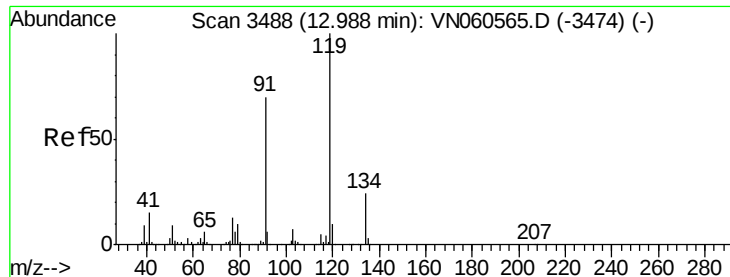
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	91	Resp:	400568
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





#83

tert-Butylbenzene

Concen: 50.197 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

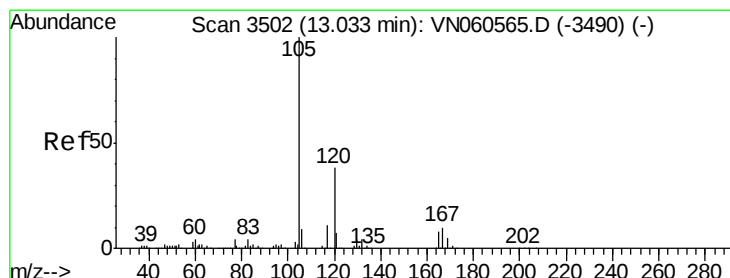
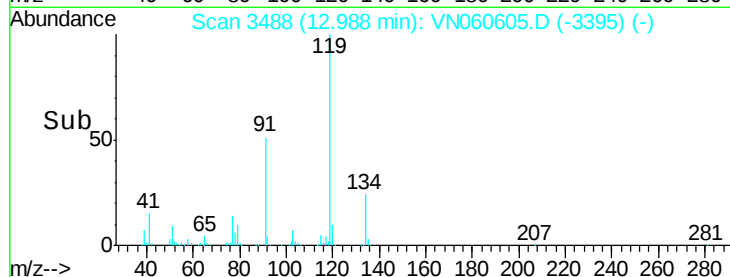
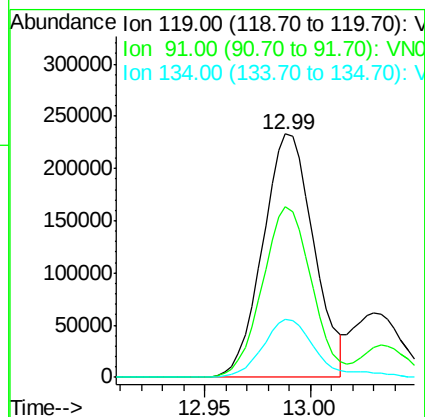
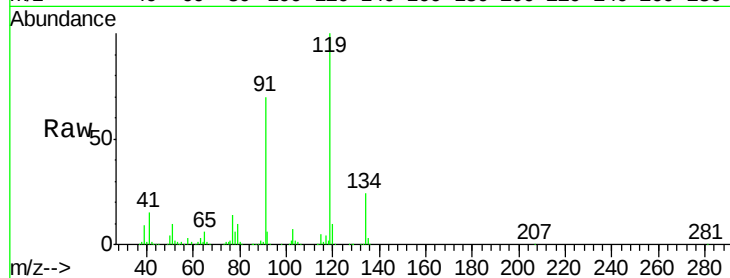
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	391693
Ion Ratio	Lower	Upper	
119	100		
91	68.1	34.0	101.8
134	25.0	12.7	38.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.644 ug/l

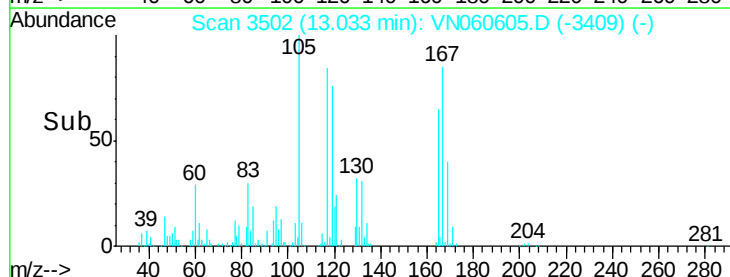
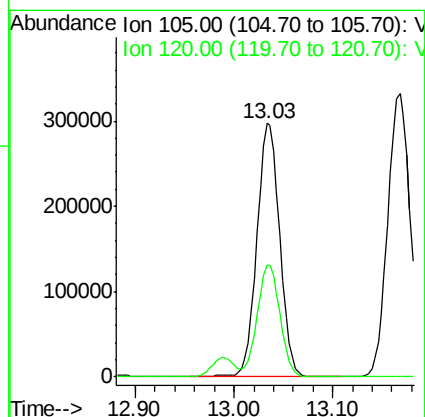
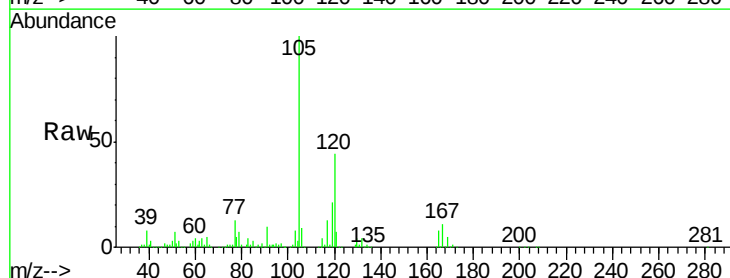
RT: 13.03 min Scan# 3502

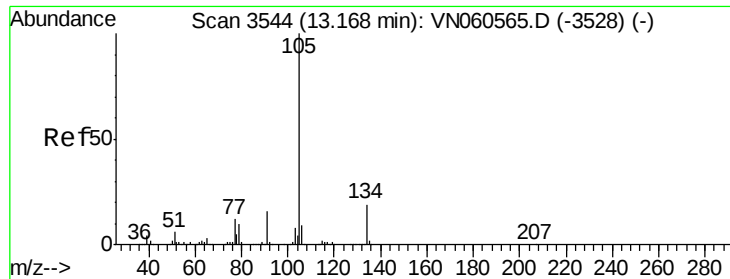
Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Tgt Ion:	105	Resp:	471622
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.1	66.5





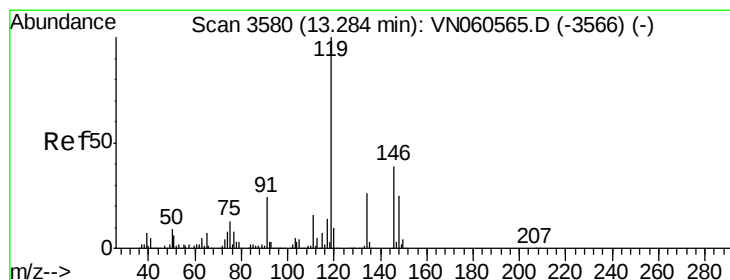
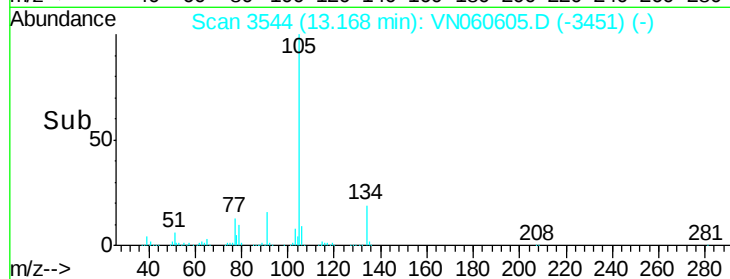
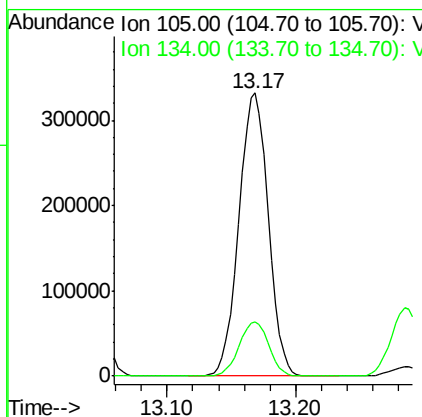
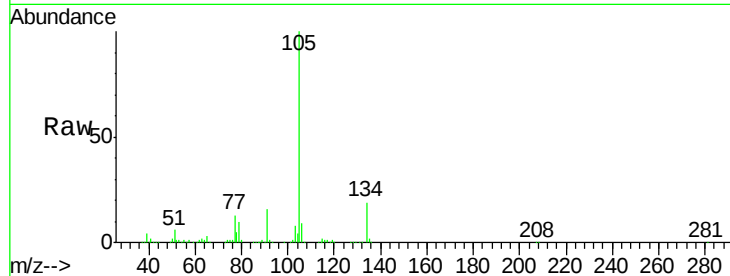
#85
 sec-Butylbenzene
 Concen: 50.052 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	525198		
134	19.4	9.6	28.8	

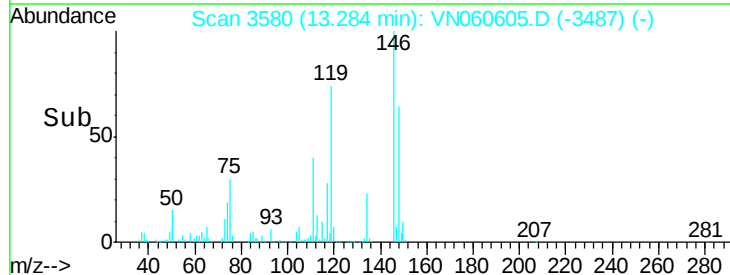
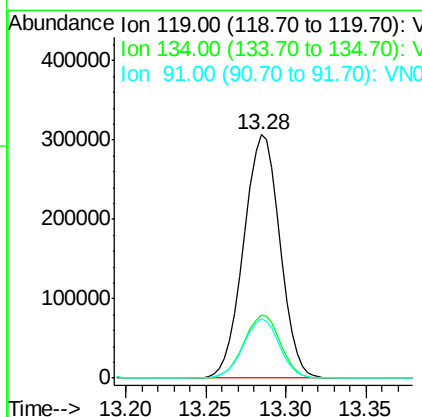
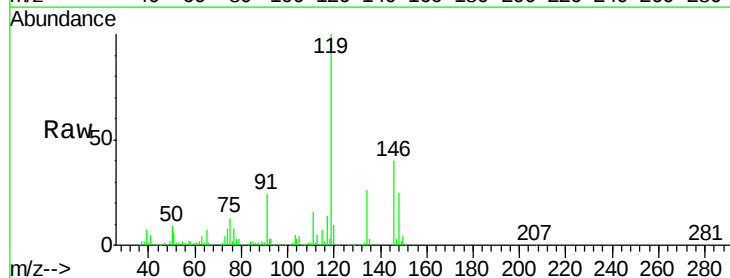
Manual Integrations
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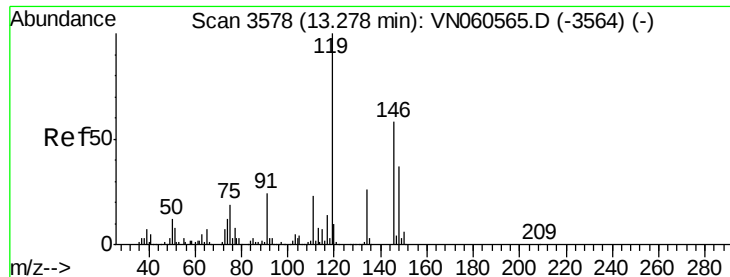
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#86
 p-Isopropyltoluene
 Concen: 50.121 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	472917		
134	26.0	13.0	39.0	
91	24.1	12.0	36.0	





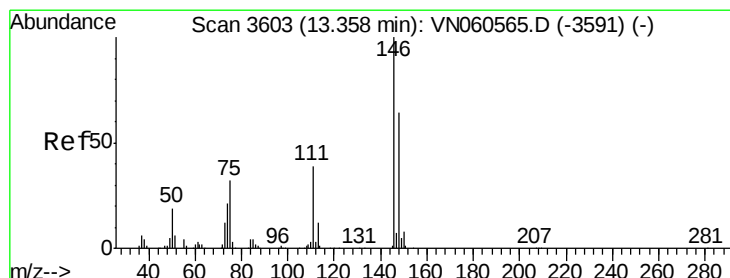
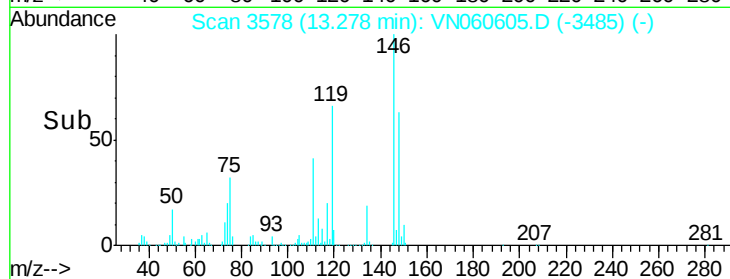
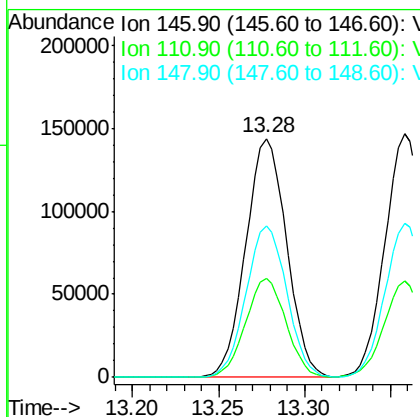
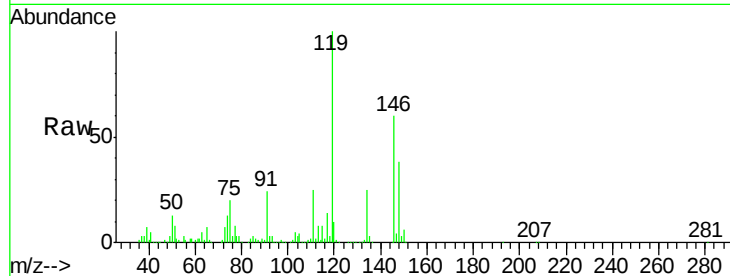
#87
 1,3-Dichlorobenzene
 Concen: 50.422 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	63.3	32.5	97.4

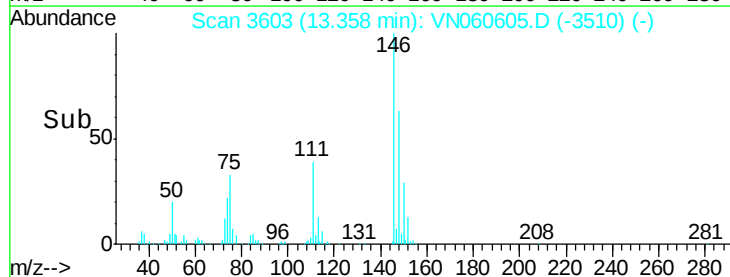
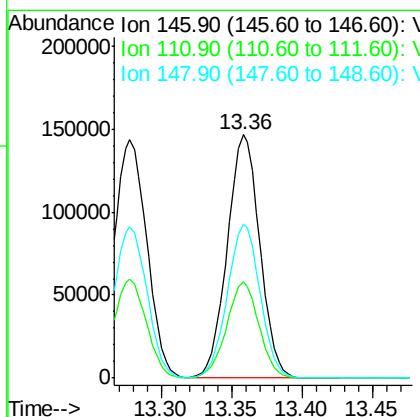
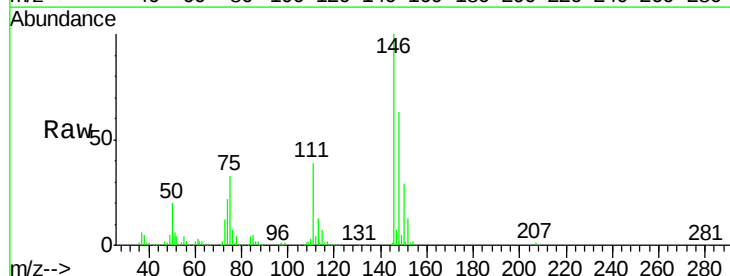
Manual Integrations
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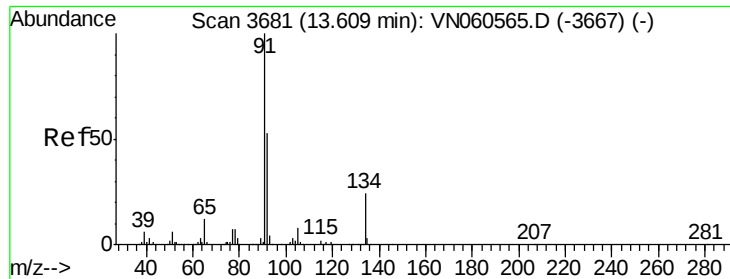
MMDadoda
 3/19/2020 1:59:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.948 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	63.7	32.1	96.3





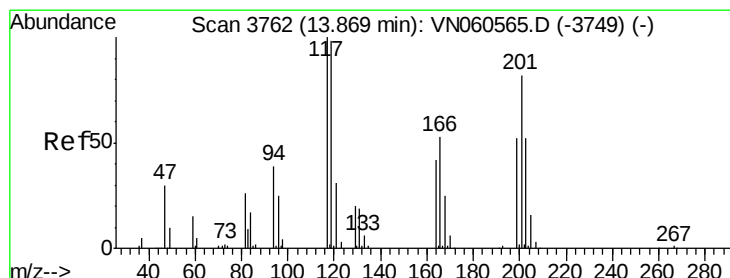
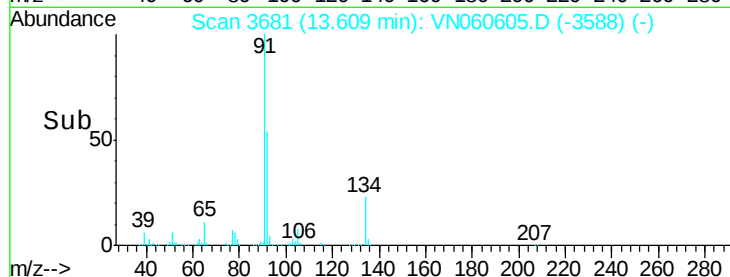
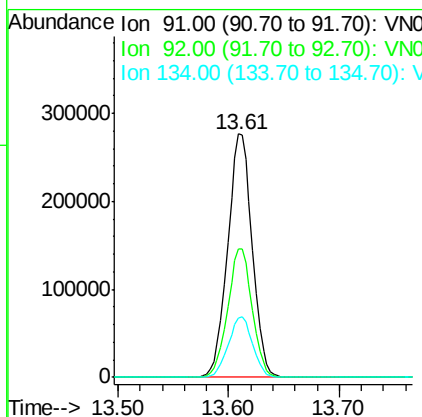
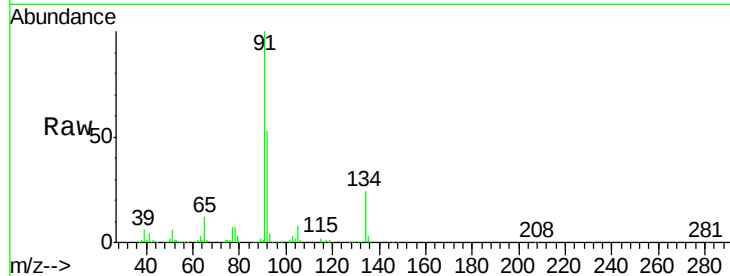
#89
n-Butylbenzene
Concen: 49.859 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	24.8	12.3	36.9

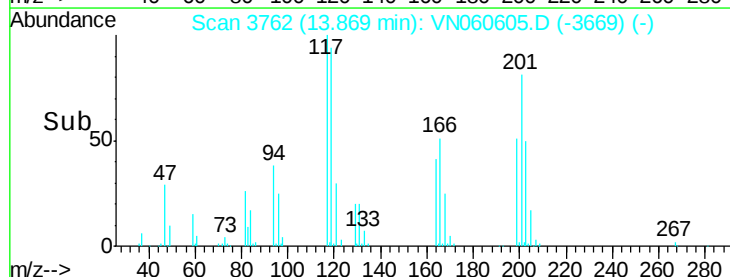
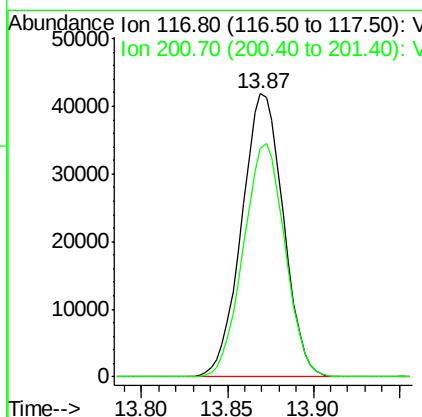
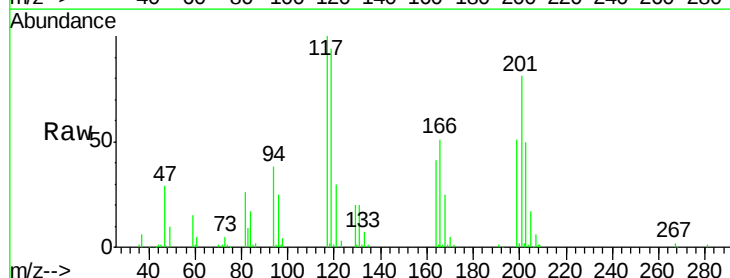
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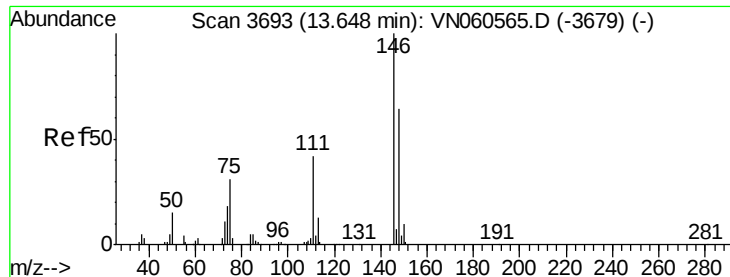
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3/19/2020 1:59:47 PM



#90
Hexachloroethane
Concen: 51.276 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 50.302 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060605.D

Acq: 18 Mar 2020 20:35

Instrument :

MSVOA_N

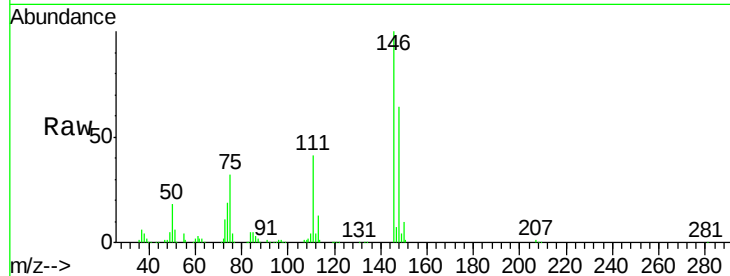
ClientSampleId :

VSTDCCC050

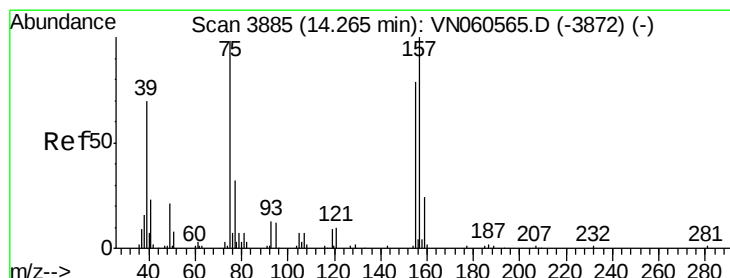
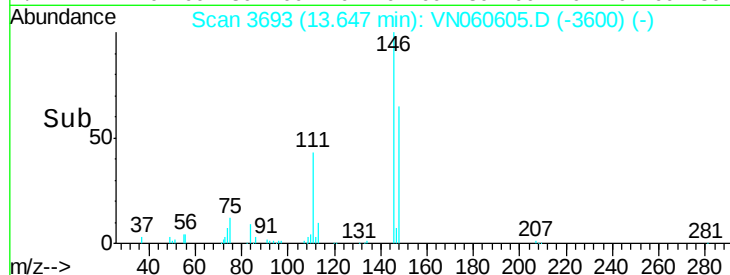
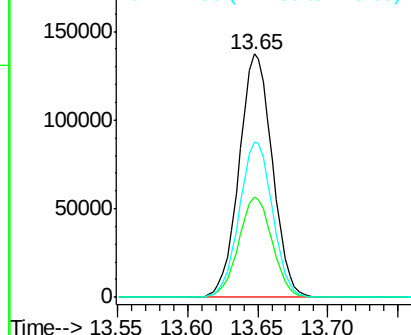
Tot Ion:	146	Resp:	226742
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.0	63.0
148	64.1	31.9	95.5

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3/19/2020 1:59:47 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.403 ug/l

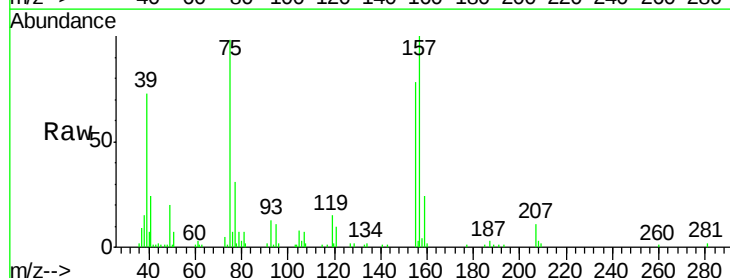
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

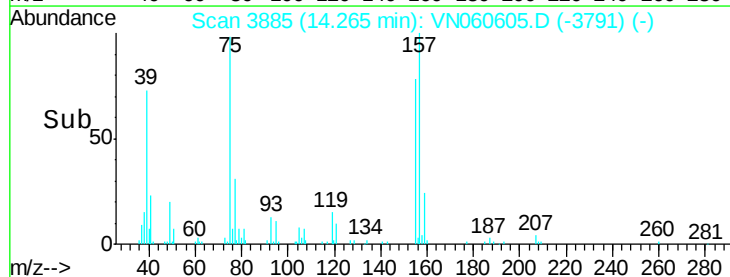
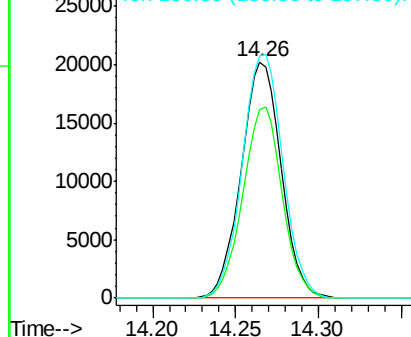
Lab File: VN060605.D

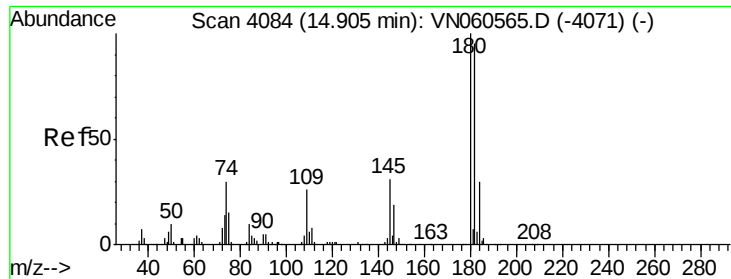
Acq: 18 Mar 2020 20:35

Tgt Ion:	75	Resp:	34013
Ion Ratio	Lower	Upper	
75	100		
155	79.3	40.7	122.1
157	104.7	51.5	154.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





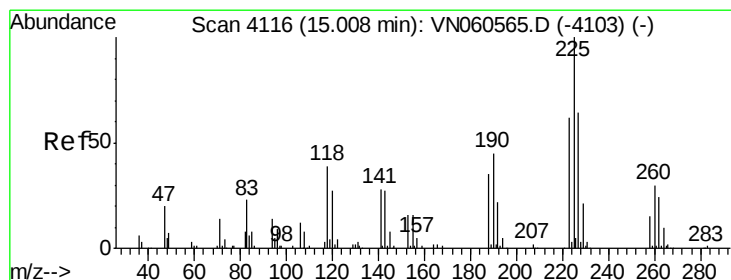
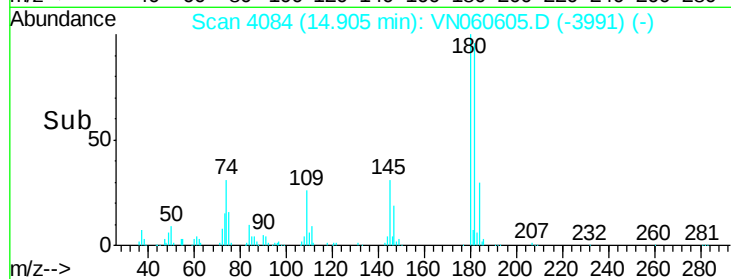
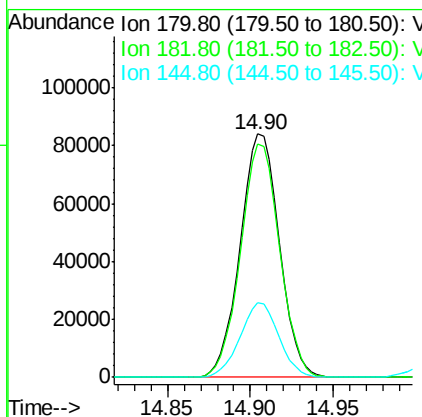
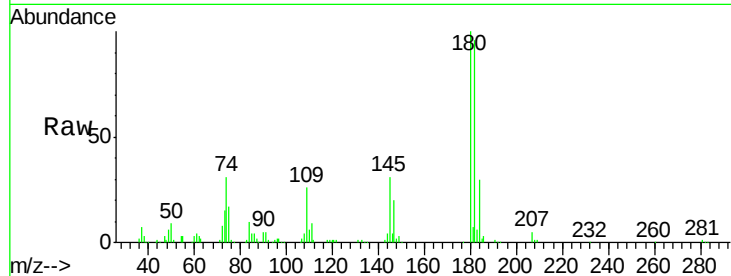
#93
 1,2,4-Trichlorobenzene
 Concen: 49.910 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138154		
182	95.6	47.9	143.8	
145	30.2	15.4	46.2	

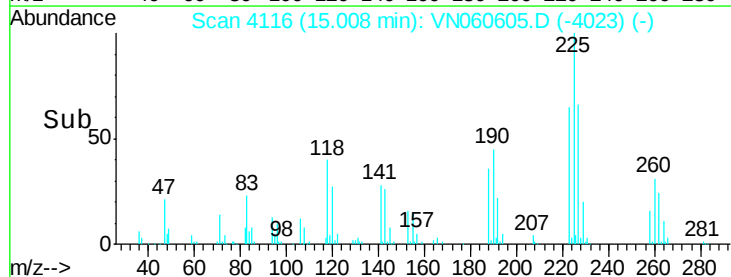
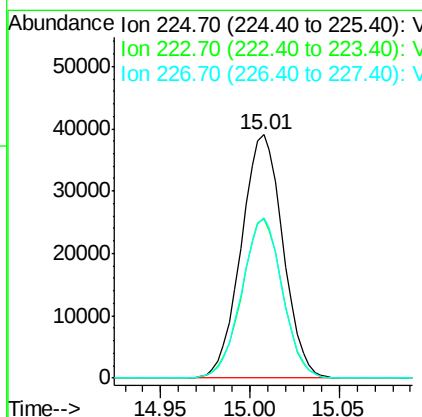
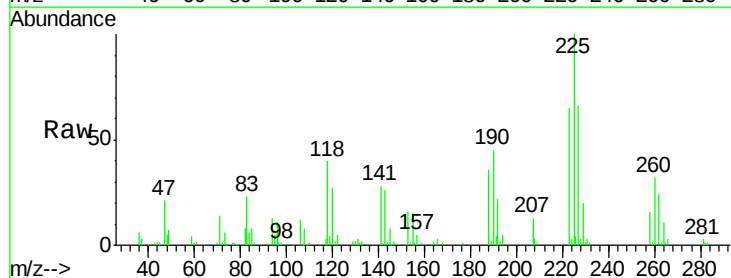
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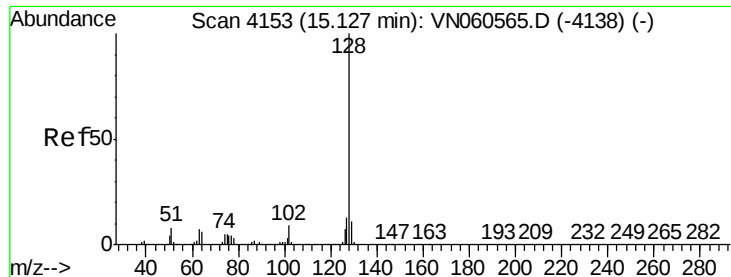
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 3/19/2020 1:59:47 PM



#94
 Hexachlorobutadiene
 Concen: 46.946 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060605.D
 Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63704		
223	63.8	31.6	95.0	
227	63.9	32.3	96.8	





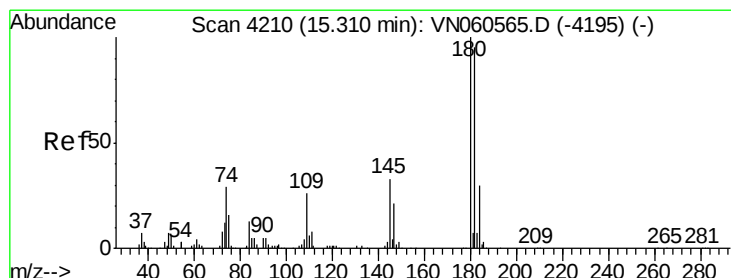
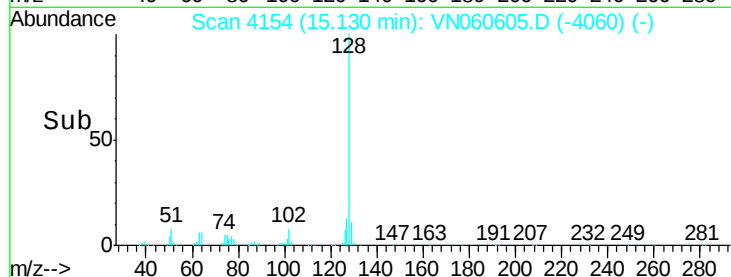
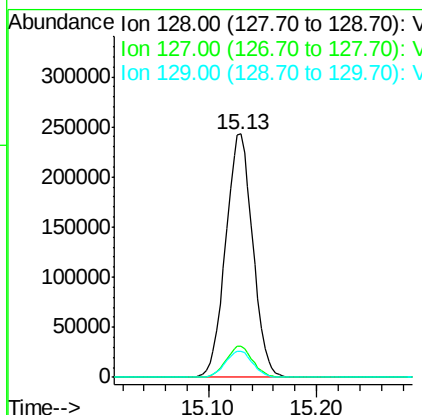
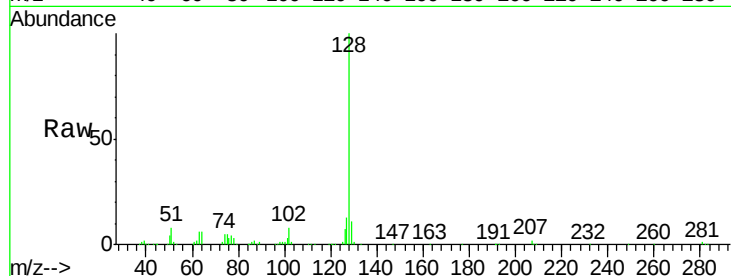
#95
Naphthalene
Concen: 50.897 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
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3/19/2020 1:59:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.946 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060605.D
Acq: 18 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	33.2	16.3	48.8

