

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060685.D
 Acq On : 24 Mar 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2020 10:20:45 PM

Quant Time: Mar 25 08:24:40 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	185868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128429	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.56	113	95460	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.08	98	384990	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	143225	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91963	51.135	ug/l	99
3) Chloromethane	2.04	50	157141	46.784	ug/l	99
4) Vinyl Chloride	2.17	62	124178	47.267	ug/l	100
5) Bromomethane	2.54	94	56566	49.877	ug/l	99
6) Chloroethane	2.68	64	76641	50.642	ug/l	100
7) Trichlorofluoromethane	3.00	101	163628	50.560	ug/l	97
8) Diethyl Ether	3.38	74	66676	51.286	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95695	51.030	ug/l	99
10) Methyl Iodide	3.93	142	85147	51.027	ug/l	100
11) Tert butyl alcohol	4.72	59	99900	266.222	ug/l	99
12) 1,1-Dichloroethene	3.72	96	98854	49.123	ug/l	95
13) Acrolein	3.57	56	147005	353.471	ug/l	100
14) Allyl chloride	4.29	41	170578	48.195	ug/l	99
15) Acrylonitrile	4.94	53	300465	272.293	ug/l	100
16) Acetone	3.78	43	242820	268.663	ug/l	99
17) Carbon Disulfide	4.03	76	294697	48.152	ug/l	99
18) Methyl Acetate	4.28	43	137034	53.866	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	346703	50.111	ug/l	99
20) Methylene Chloride	4.52	84	111432	50.119	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	106387	49.603	ug/l	96
22) Diisopropyl ether	5.91	45	390180	52.181	ug/l	98
23) Vinyl Acetate	5.86	43	1652897	270.921	ug/l	99
24) 1,1-Dichloroethane	5.82	63	209794	51.466	ug/l	100
25) 2-Butanone	6.80	43	399366	273.067	ug/l	100
26) 2,2-Dichloropropane	6.80	77	155525	48.492	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	123372	50.619	ug/l	100
28) Bromochloromethane	7.17	49	101838	52.216	ug/l	99
29) Tetrahydrofuran	7.18	42	275539	266.275	ug/l	99
30) Chloroform	7.35	83	199138	50.959	ug/l	99
31) Cyclohexane	7.63	56	196399	47.791	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	172396	51.174	ug/l	99
36) 1,1-Dichloropropene	7.77	75	154214	50.351	ug/l	100
37) Ethyl Acetate	6.90	43	170934	51.651	ug/l	100
38) Carbon Tetrachloride	7.75	117	137567	50.115	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	181685	49.917	ug/l	99
40) Benzene	8.02	78	464268	50.214	ug/l	100
41) Methacrylonitrile	7.14	41	78090m	55.290	ug/l	
42) 1,2-Dichloroethane	8.10	62	161258	51.035	ug/l	100
43) Isopropyl Acetate	8.14	43	284188	52.070	ug/l	100
44) Trichloroethene	8.82	130	116631	50.040	ug/l	99
45) 1,2-Dichloropropane	9.10	63	125087	51.272	ug/l	98
46) Dibromomethane	9.19	93	76749	52.036	ug/l	99
47) Bromodichloromethane	9.39	83	159463	52.029	ug/l	99
48) Methyl methacrylate	9.18	41	129261	53.194	ug/l	100
49) 1,4-Dioxane	9.18	88	32474	1124.319	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	850241	273.763	ug/l	100
52) Toluene	10.14	92	283501	50.772	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	181753	51.626	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194194	50.280	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110235	51.316	ug/l	98
56) Ethyl methacrylate	10.42	69	180748	53.963	ug/l	99
57) 1,3-Dichloropropane	10.70	76	193558	51.924	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	410926	246.840	ug/l	100
59) 2-Hexanone	10.74	43	622768	278.365	ug/l	100
60) Dibromochloromethane	10.89	129	118344	53.333	ug/l	100
61) 1,2-Dibromoethane	10.99	107	113380	52.488	ug/l	100
64) Tetrachloroethene	10.62	164	108779	46.692	ug/l	99
65) Chlorobenzene	11.43	112	289079	49.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106146	49.951	ug/l	99
67) Ethyl Benzene	11.50	91	538957	49.380	ug/l	99
68) m/p-Xylenes	11.62	106	400251	98.685	ug/l	99
69) o-Xylene	11.94	106	191737	49.521	ug/l	99
70) Styrene	11.96	104	324516	51.248	ug/l	100
71) Bromoform	12.12	173	85546	48.489	ug/l #	99
73) Isopropylbenzene	12.25	105	513623	46.977	ug/l	100
74) N-amyl acetate	12.06	43	255770	50.625	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164292	49.690	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	134407m	42.755	ug/l	
77) Bromobenzene	12.52	156	124678	47.324	ug/l	99
78) n-propylbenzene	12.59	91	610519	47.264	ug/l	99
79) 2-Chlorotoluene	12.67	91	355900	46.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	436651	47.061	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58682	47.941	ug/l	98
82) 4-Chlorotoluene	12.77	91	372855	47.433	ug/l	100
83) tert-Butylbenzene	12.99	119	362906	47.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	440913	48.034	ug/l	100
85) sec-Butylbenzene	13.17	105	490147	47.390	ug/l	100
86) p-Isopropyltoluene	13.28	119	439354	47.240	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	224037	48.215	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	224837	48.161	ug/l	99
89) n-Butylbenzene	13.61	91	402492	47.933	ug/l	99
90) Hexachloroethane	13.87	117	68588	50.734	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	219043	49.300	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35270	50.934	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	138144	50.631	ug/l	100
94) Hexachlorobutadiene	15.01	225	60699	45.381	ug/l	99
95) Naphthalene	15.13	128	426248	51.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132919	49.459	ug/l	99

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

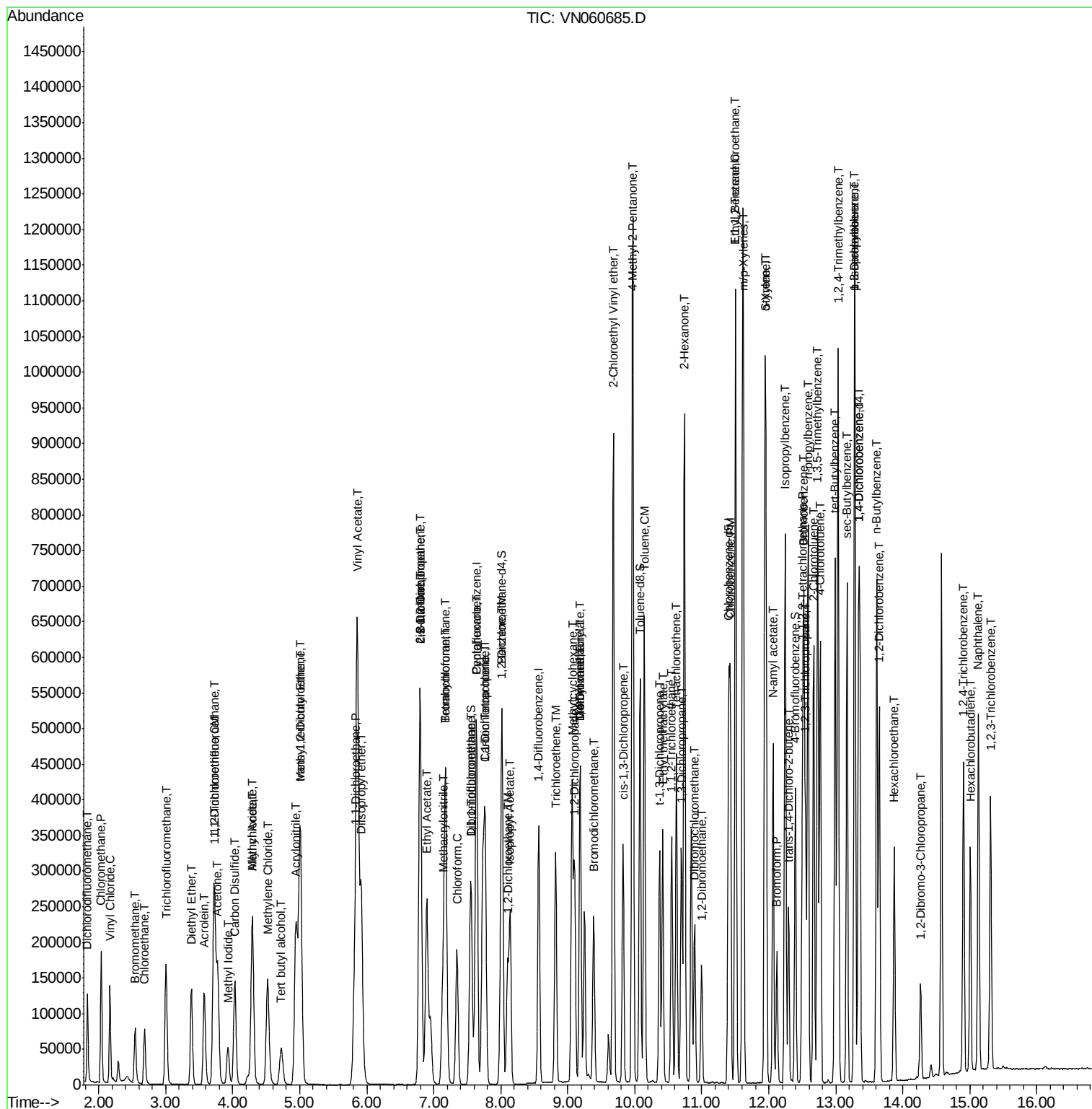
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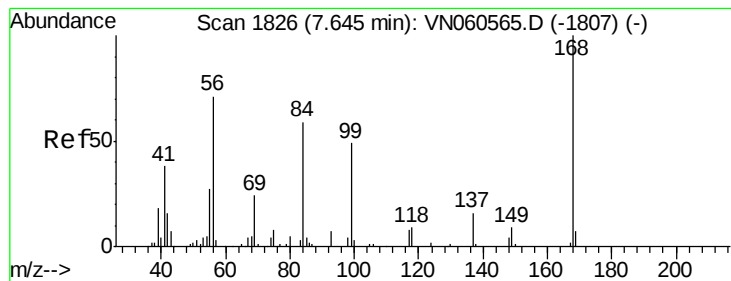
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 185868

Ion Ratio Lower Upper

168 100

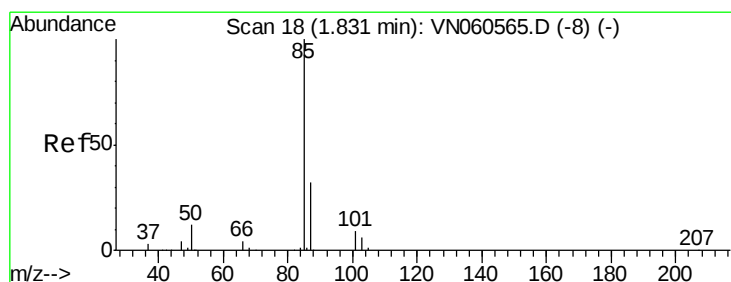
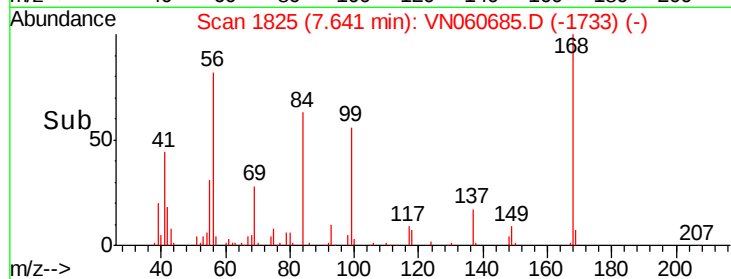
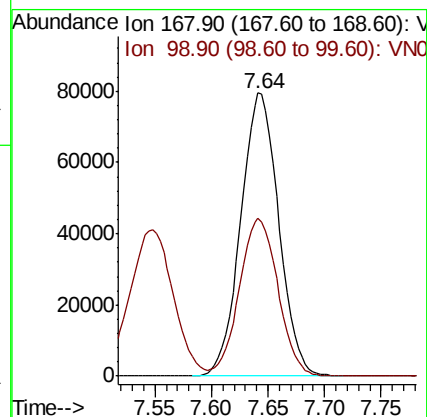
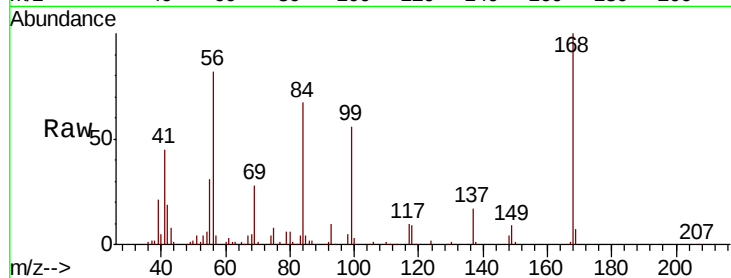
99 55.9 44.0 66.0

Manual Integrations

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3/25/2020 10:20:45 PM



#2

Dichlorodifluoromethane

Concen: 51.135 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060685.D

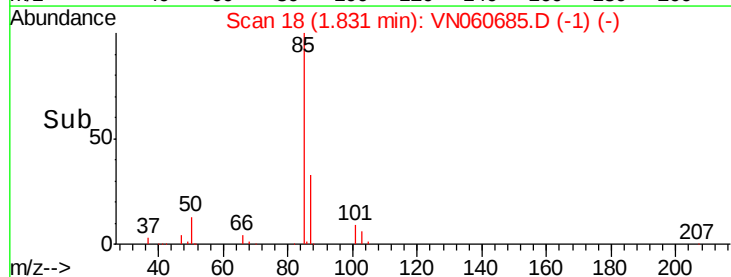
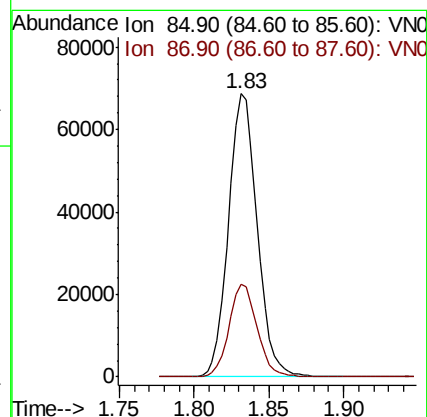
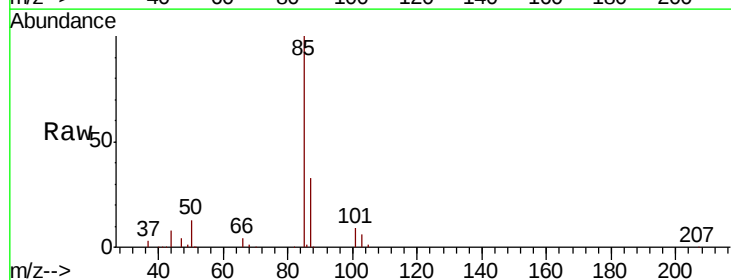
Acq: 24 Mar 2020 20:09

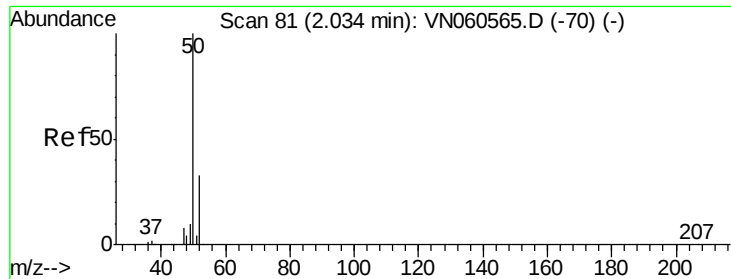
Tgt Ion: 85 Resp: 91963

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5





#3

Chloromethane

Concen: 46.784 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 157141

Ion Ratio Lower Upper

50 100

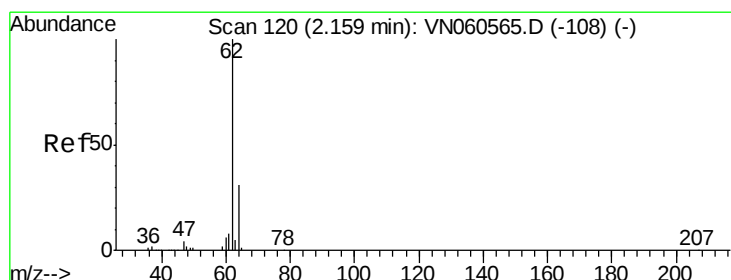
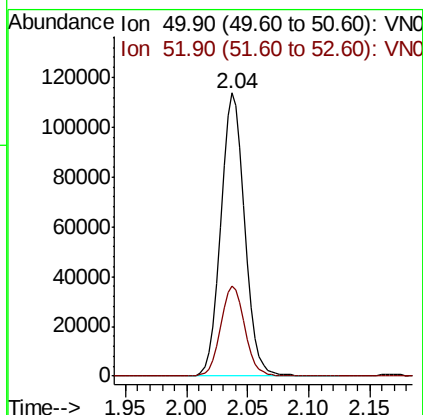
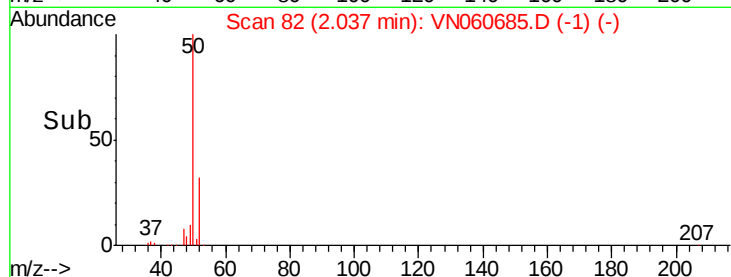
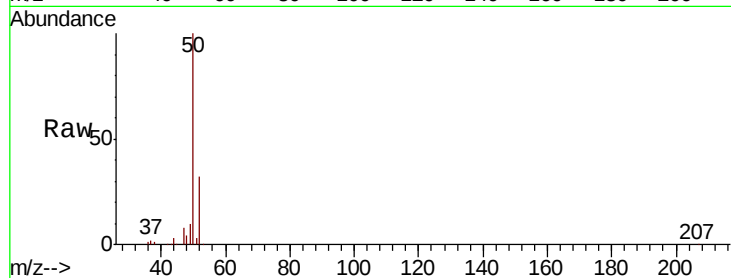
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.267 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060685.D

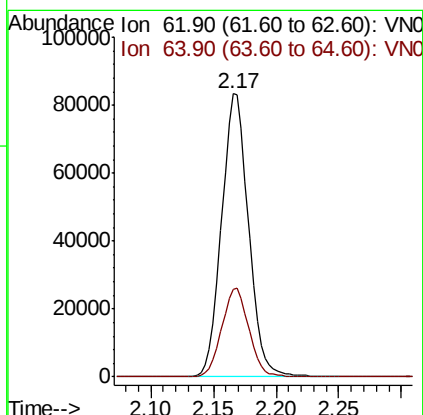
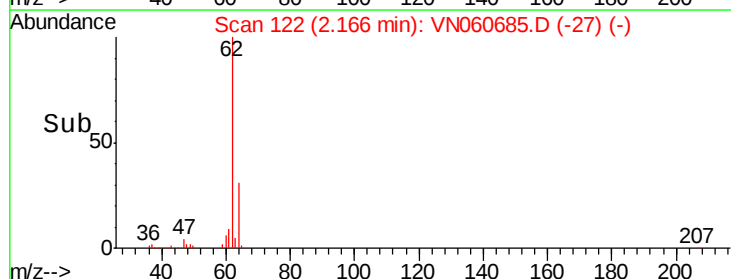
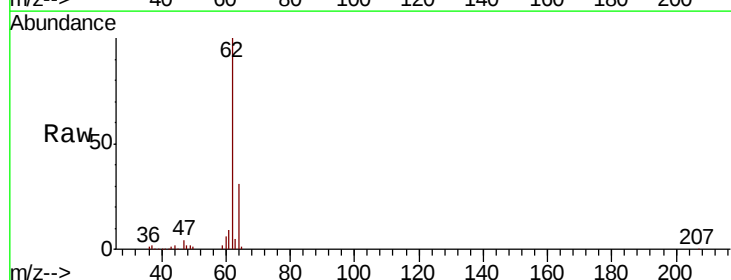
Acq: 24 Mar 2020 20:09

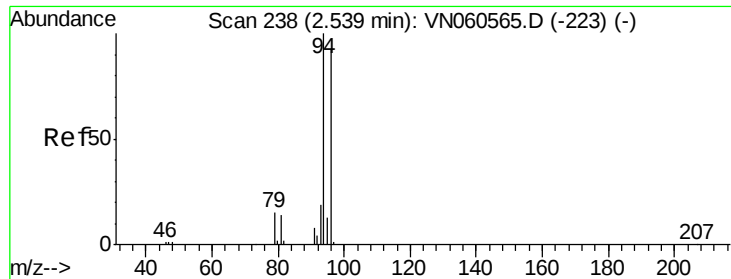
Tgt Ion: 62 Resp: 124178

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 49.877 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56566

Ion Ratio Lower Upper

94 100

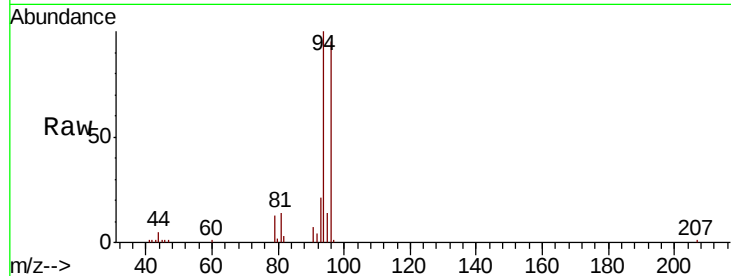
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Manual Integrations

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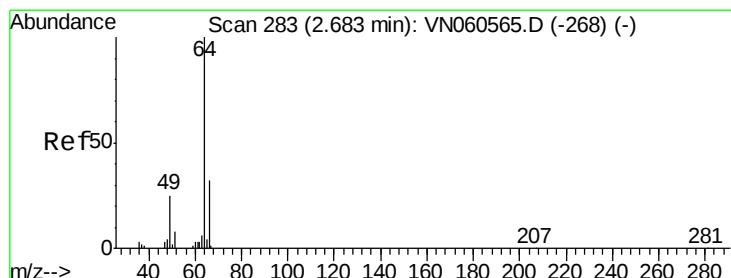
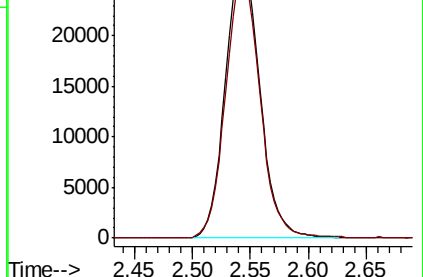
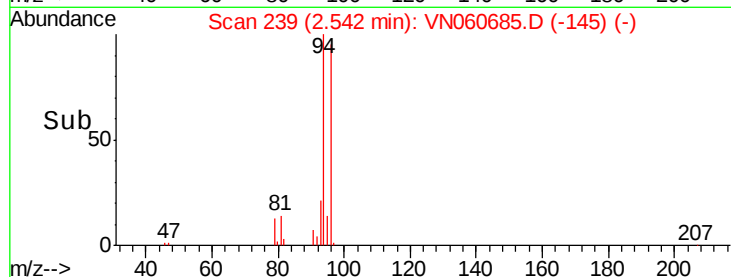


Abundance Ion 93.90 (93.60 to 94.60): VN060685.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060685.D (-223) (-)

2.54

Time-->



#6

Chloroethane

Concen: 50.642 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060685.D

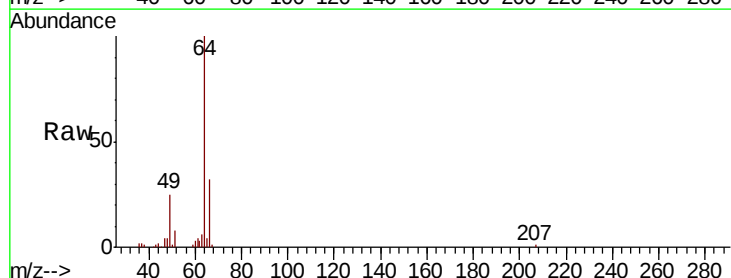
Acq: 24 Mar 2020 20:09

Tgt Ion: 64 Resp: 76641

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9

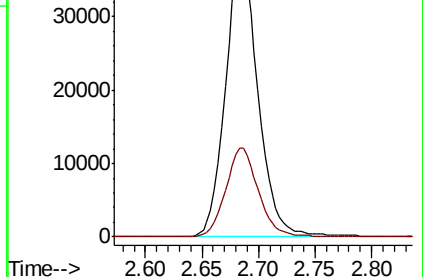
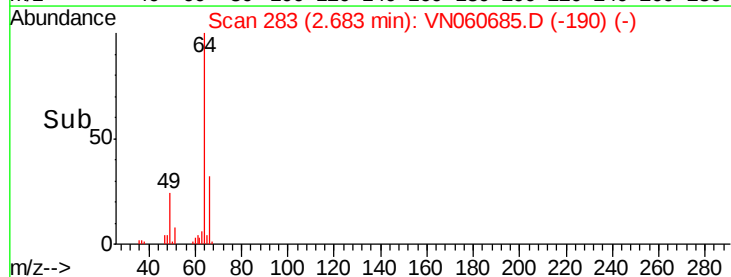


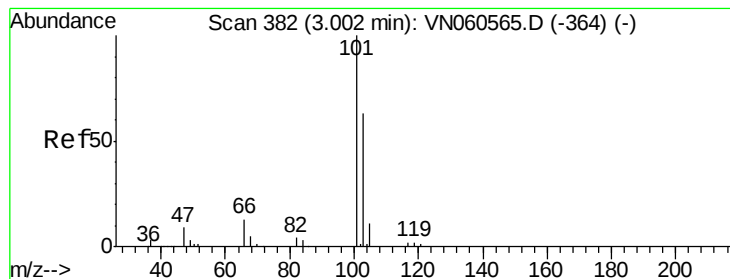
Abundance Ion 63.90 (63.60 to 64.60): VN060685.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN060685.D (-268) (-)

2.68

Time-->





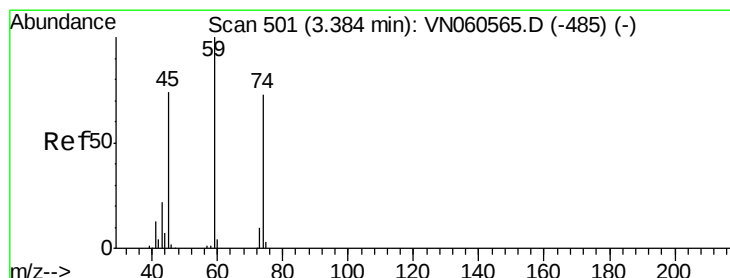
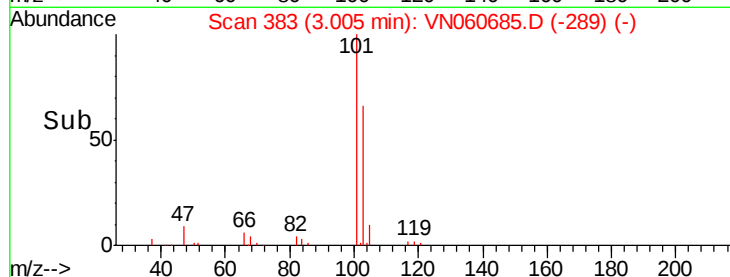
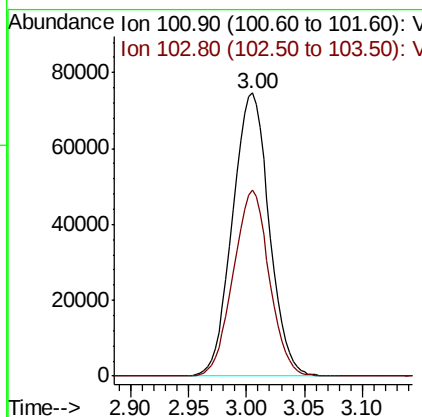
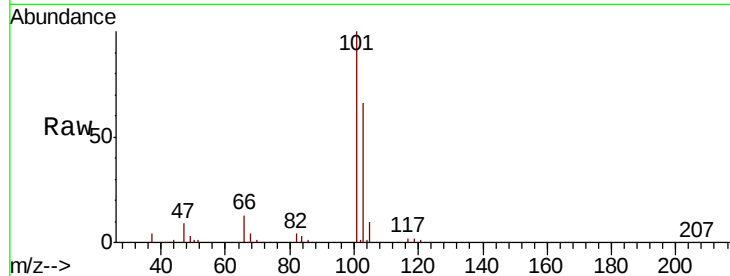
#7
 Trichlorofluoromethane
 Concen: 50.560 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.6	76.0

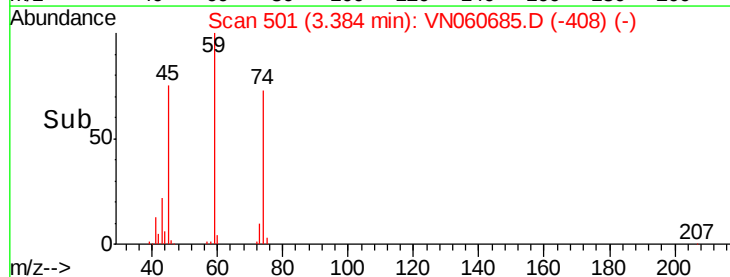
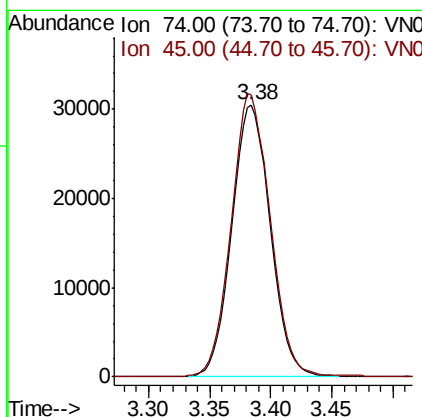
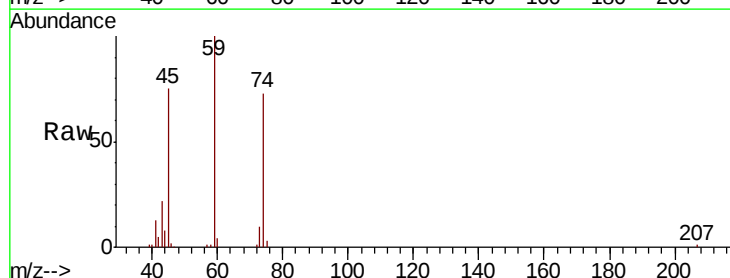
Manual Integrations
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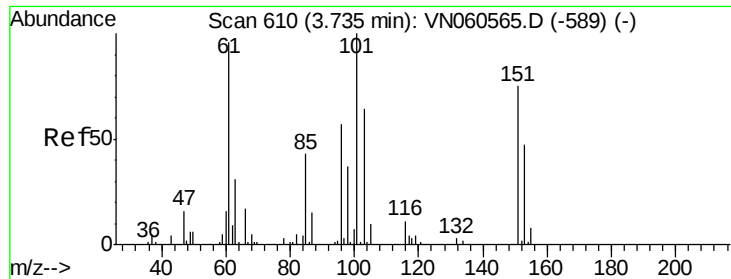
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 3/25/2020 10:20:45 PM



#8
 Diethyl Ether
 Concen: 51.286 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.030 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

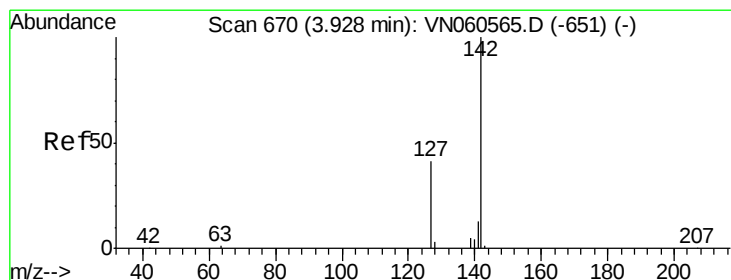
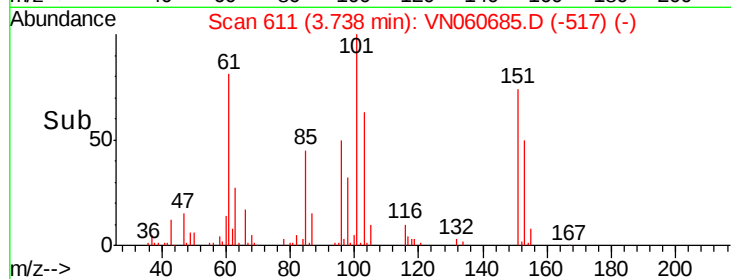
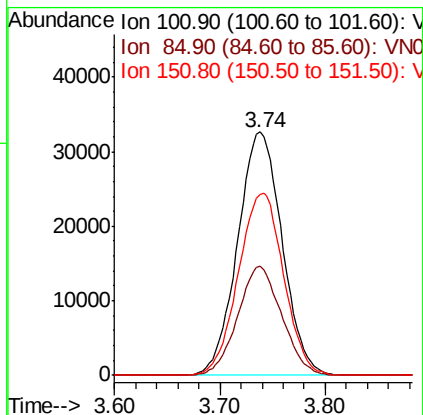
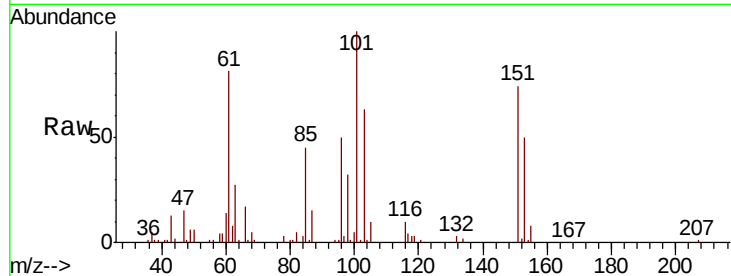
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95695
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.6	53.4
151	76.2	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 51.027 ug/l

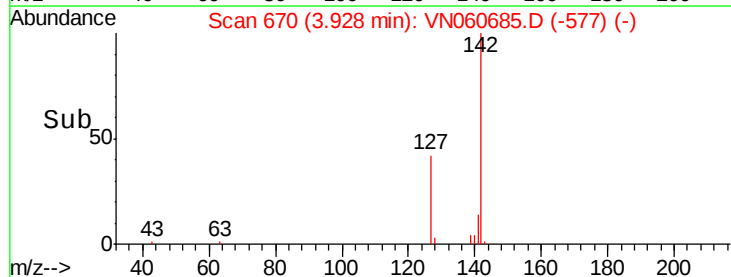
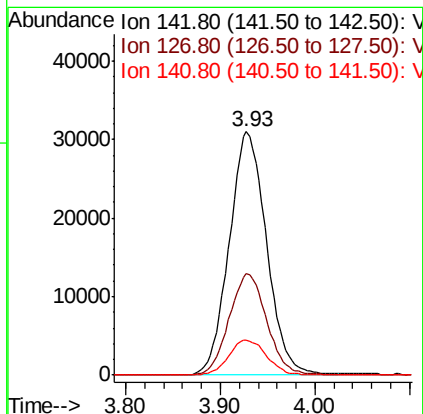
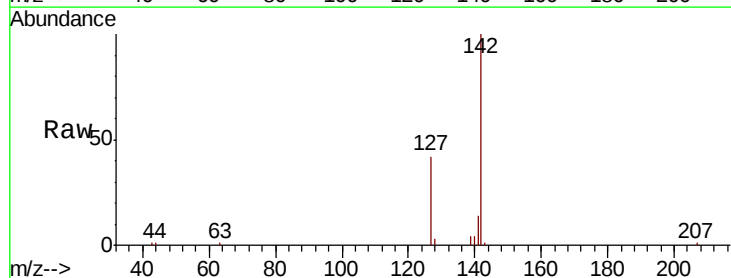
RT: 3.93 min Scan# 670

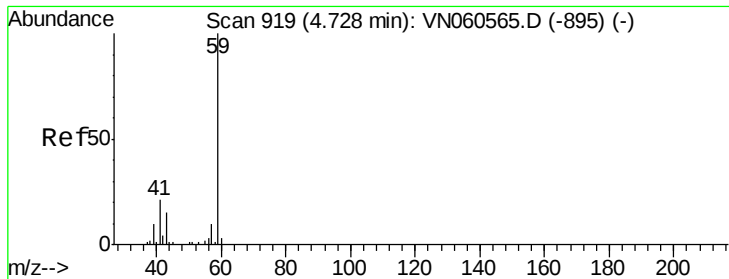
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	142	Resp:	85147
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.5	50.3
141	14.5	11.0	16.6





#11

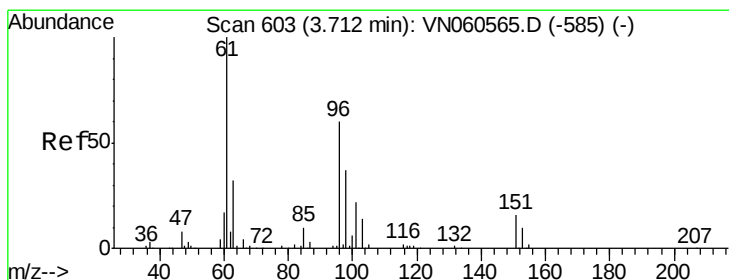
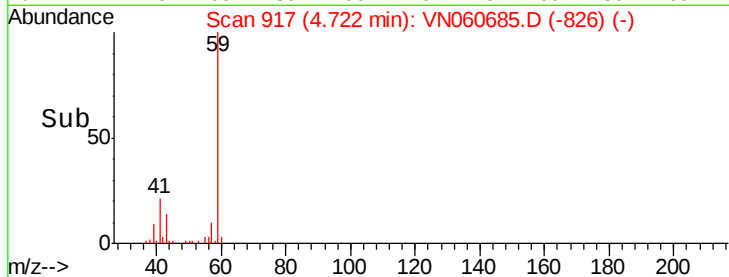
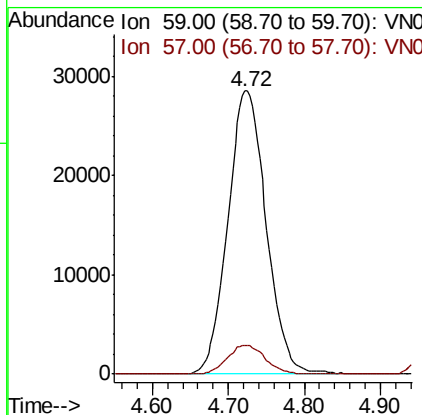
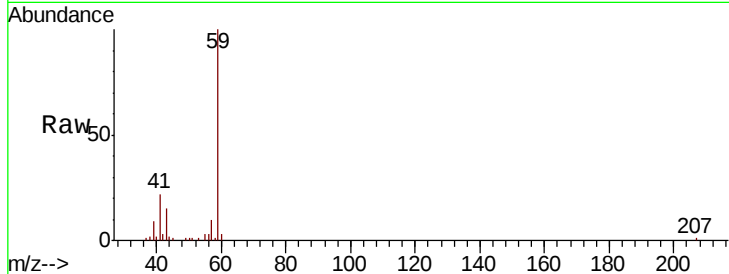
Tert butyl alcohol
Concen: 266.222 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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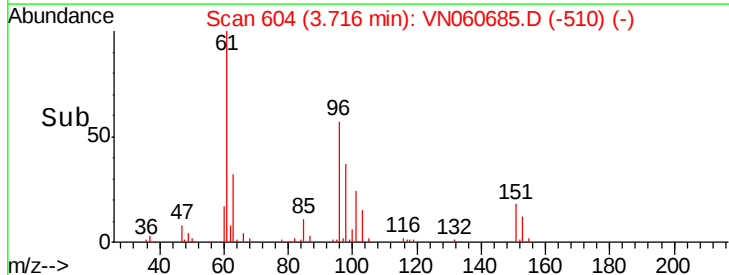
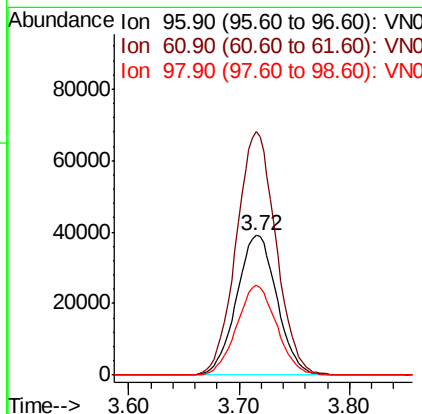
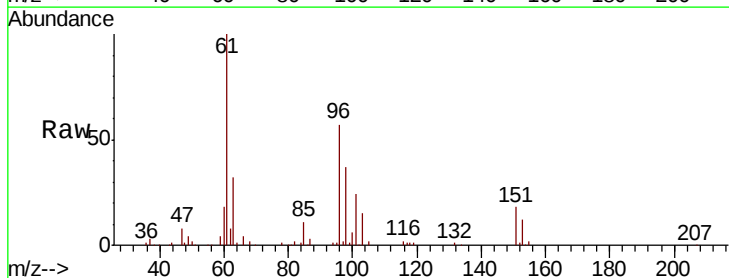
MMDadoda
3/25/2020 10:20:45 PM

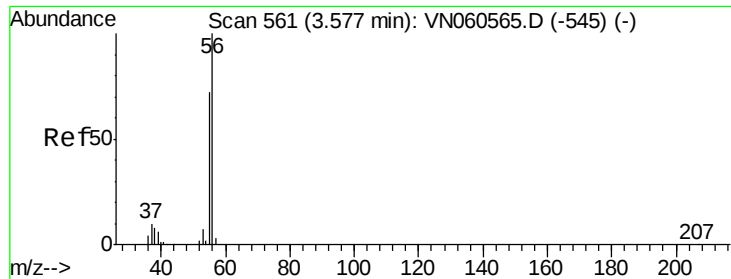


#12

1,1-Dichloroethene
Concen: 49.123 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	134.1	201.1
98	64.3	49.9	74.9





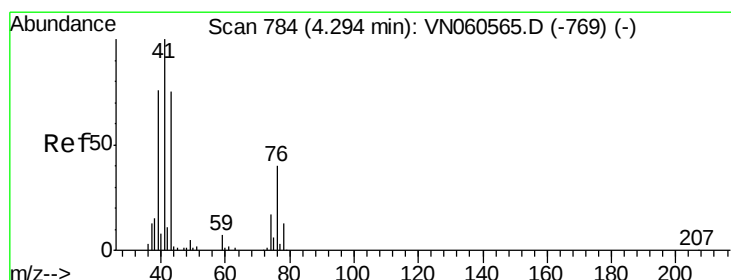
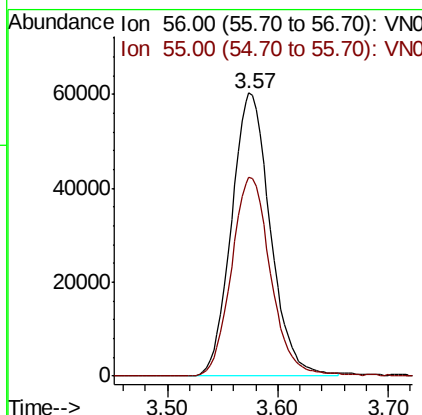
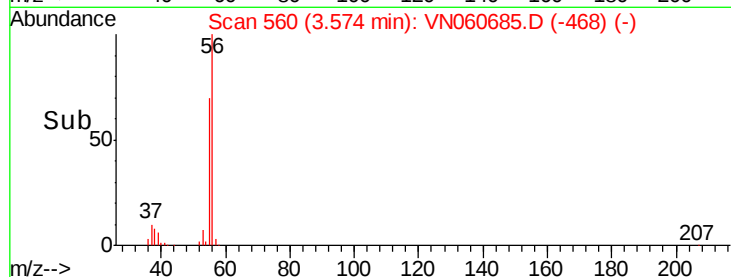
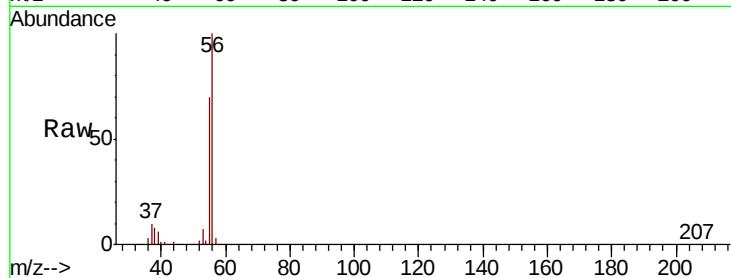
#13
Acrolein
Concen: 353.471 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	147005
Ion Ratio	100	Lower	Upper
55	71.0	56.7	85.1

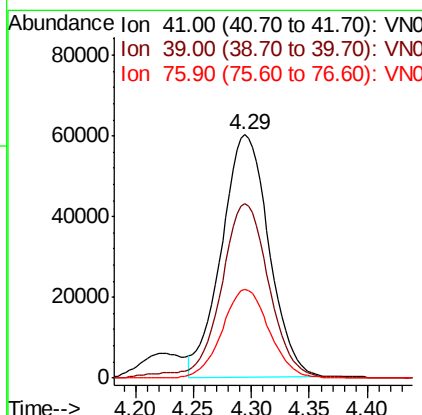
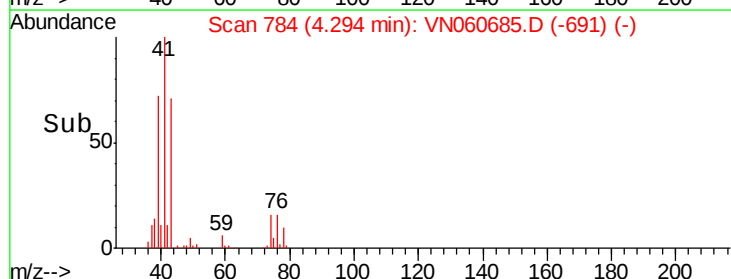
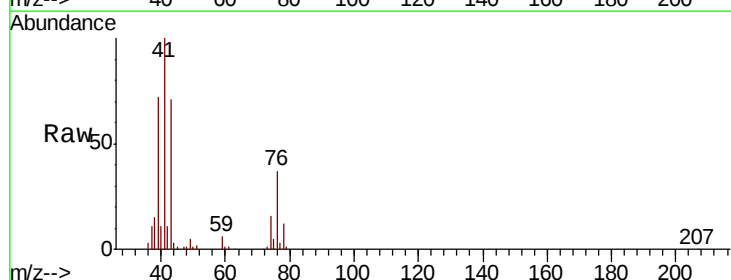
Manual Integrations
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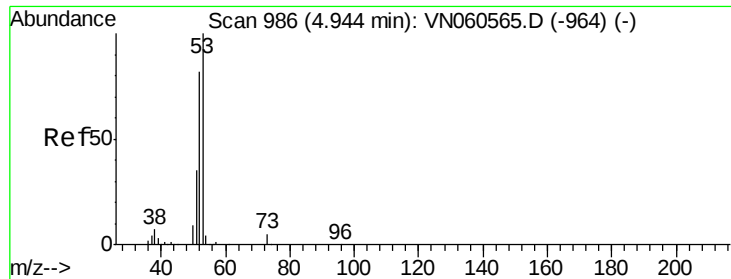
MMDadoda
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#14
Allyl chloride
Concen: 48.195 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	41	Resp	170578
Ion Ratio	100	Lower	Upper
39	73.4	57.8	86.8
76	36.4	28.6	43.0





#15

Acrylonitrile

Concen: 272.293 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

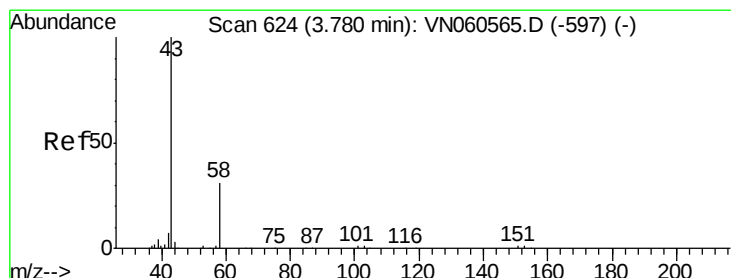
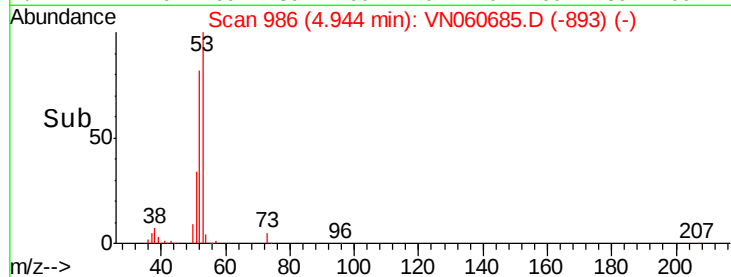
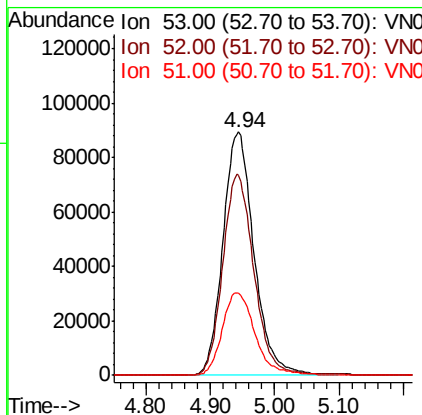
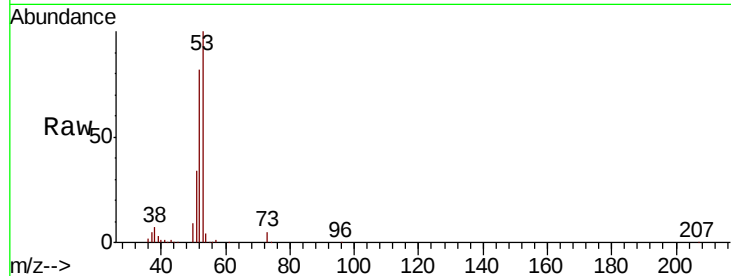
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	300465
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.2	99.4
51	35.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 268.663 ug/l

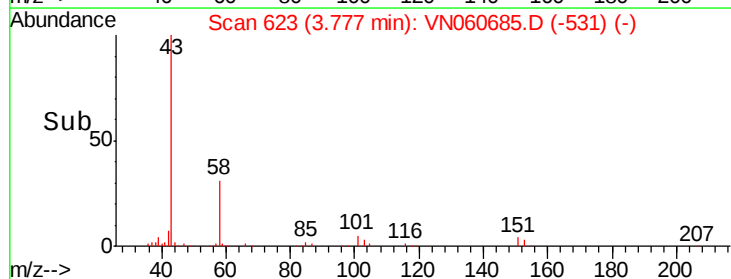
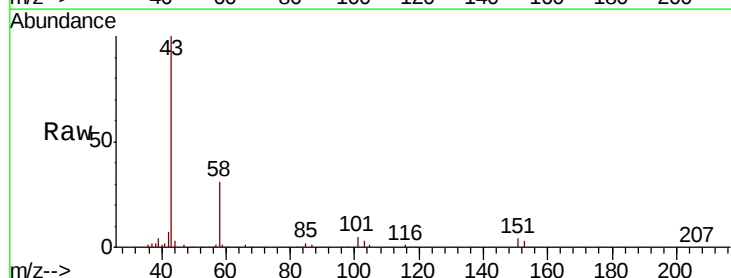
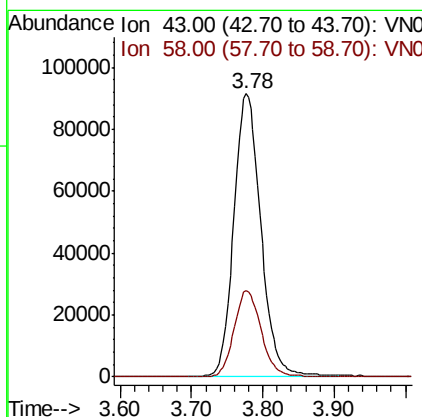
RT: 3.78 min Scan# 623

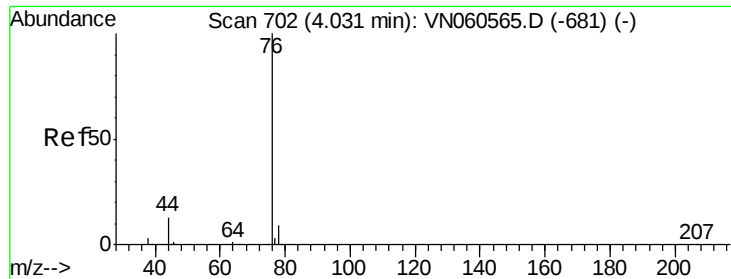
Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	43	Resp:	242820
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.1	37.7





#17

Carbon Disulfide

Concen: 48.152 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 294697

Ion Ratio Lower Upper

76 100

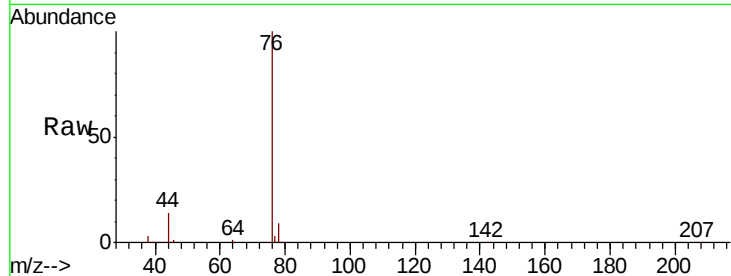
78 8.7 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN060685.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060685.D (-681) (-)

4.03

120000

100000

80000

60000

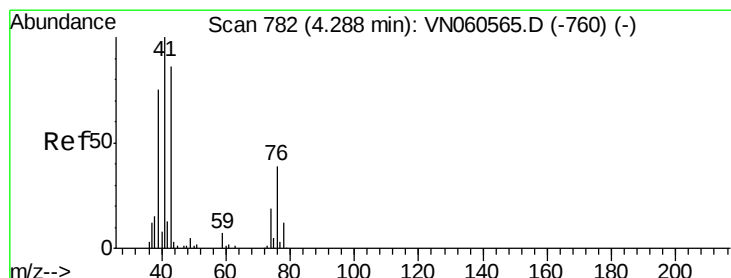
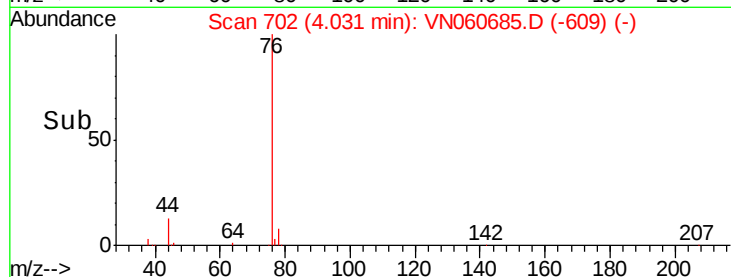
40000

20000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 53.866 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060685.D

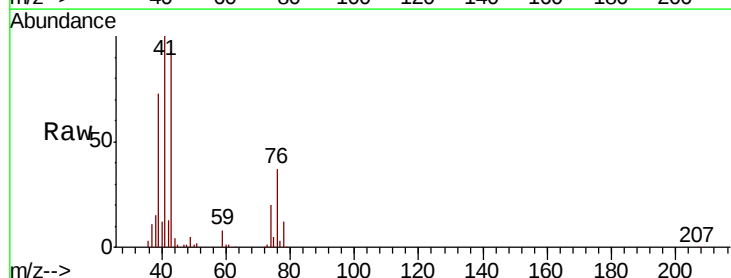
Acq: 24 Mar 2020 20:09

Tgt Ion: 43 Resp: 137034

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060685.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060685.D (-689) (-)

4.28

50000

40000

30000

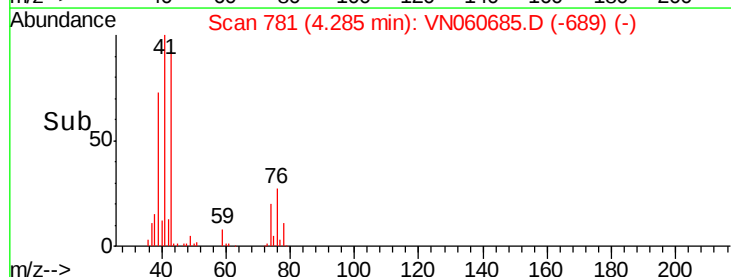
20000

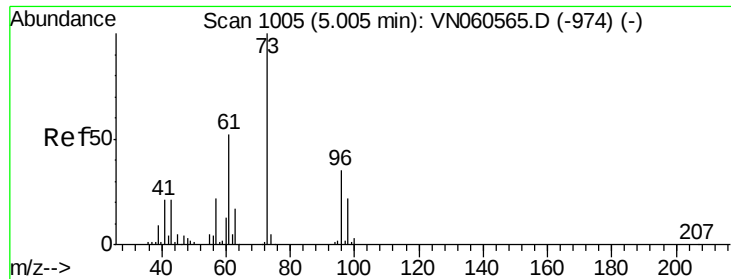
10000

0

4.20 4.30 4.40

Time-->





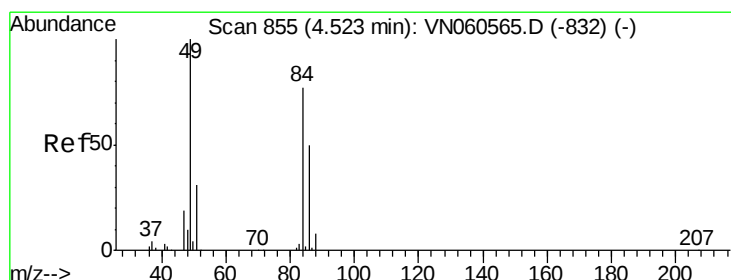
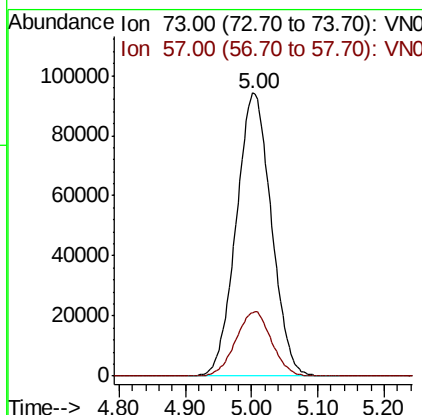
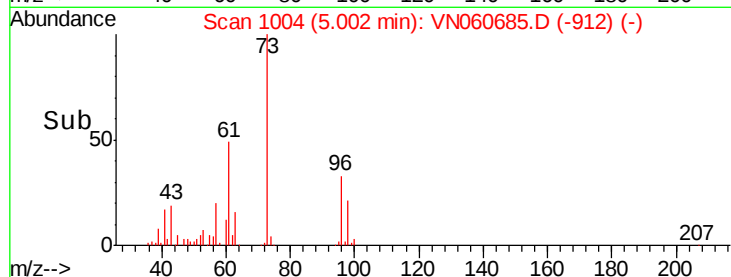
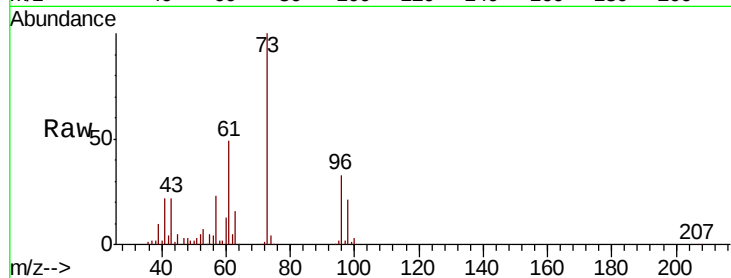
#19
Methyl tert-butyl Ether
Concen: 50.111 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 73 Resp: 346703
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3

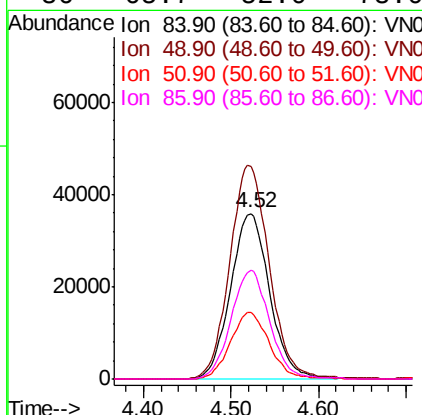
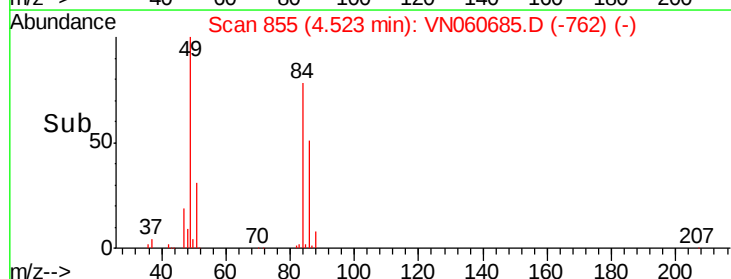
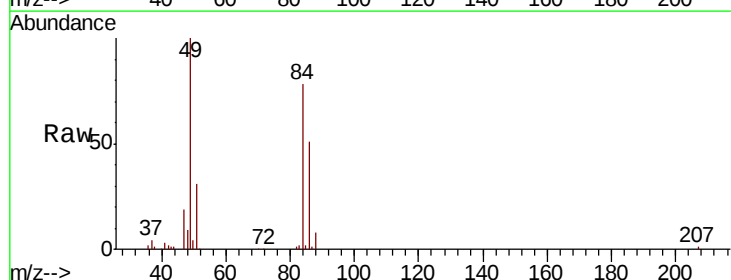
Manual Integrations
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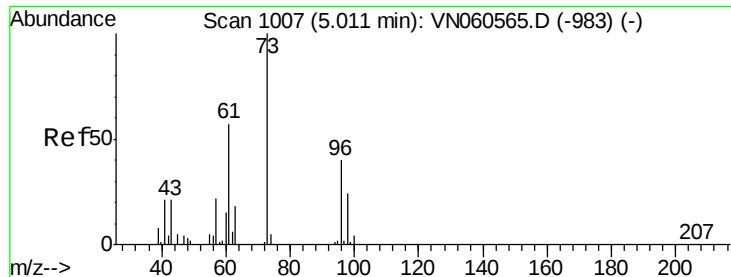
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#20
Methylene Chloride
Concen: 50.119 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 84 Resp: 111432
Ion Ratio Lower Upper
84 100
49 128.4 103.3 154.9
51 40.0 31.6 47.4
86 65.7 52.0 78.0





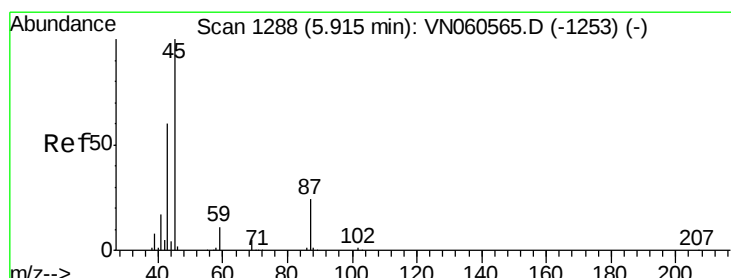
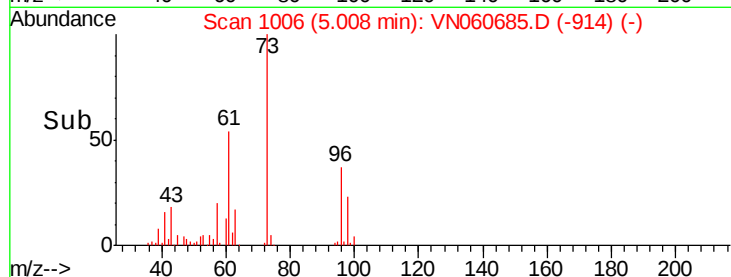
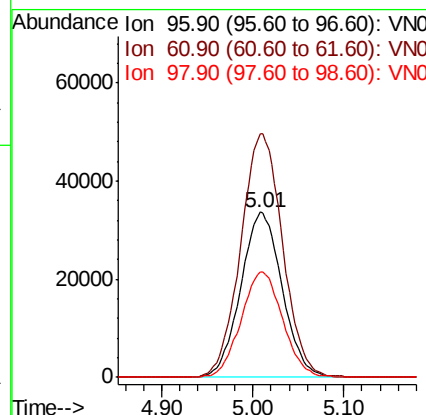
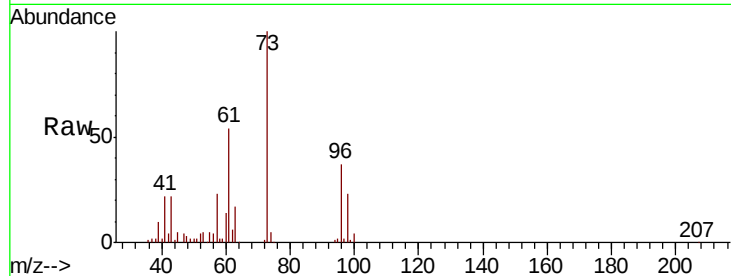
#21
trans-1,2-Dichloroethene
Concen: 49.603 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	114.4	171.6
98	64.0	48.4	72.6

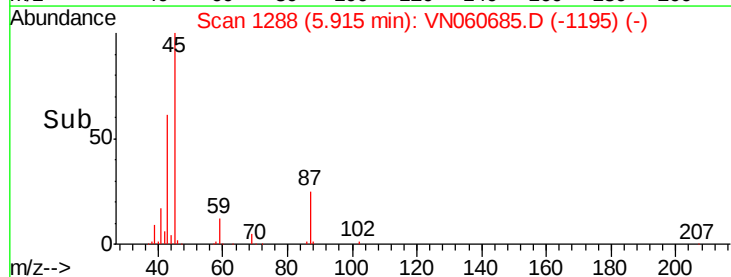
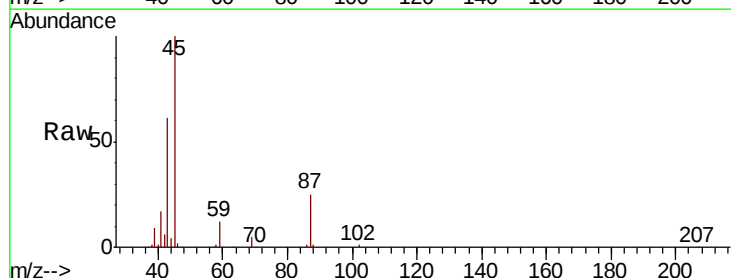
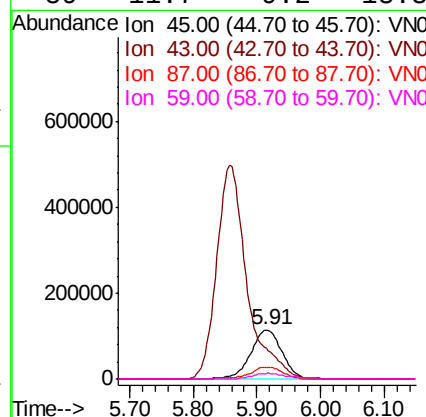
Manual Integrations
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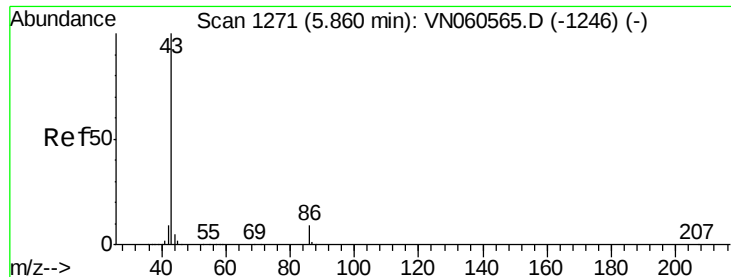
MMDadoda
3/25/2020 10:20:45 PM



#22
Diisopropyl ether
Concen: 52.181 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	49.8	74.8
87	24.7	20.1	30.1
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 270.921 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1652897

Ion Ratio Lower Upper

43 100

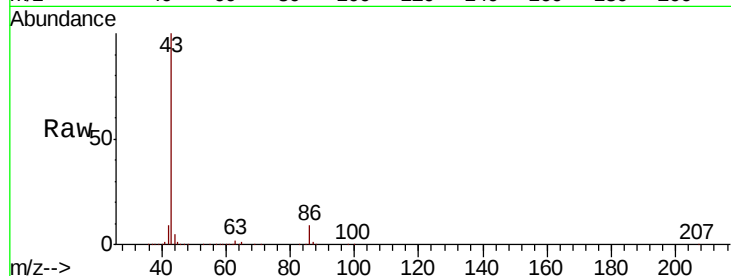
86 9.1 7.6 11.4

Manual Integrations

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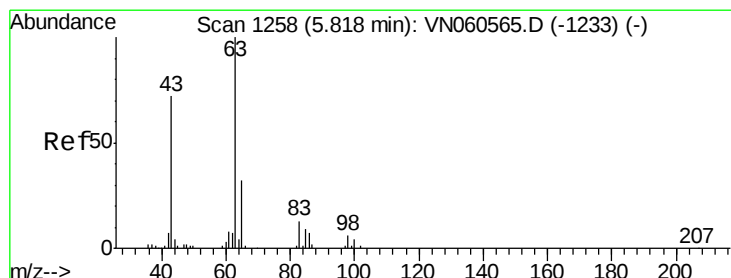
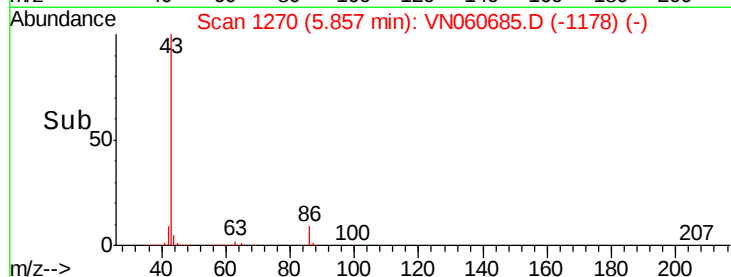
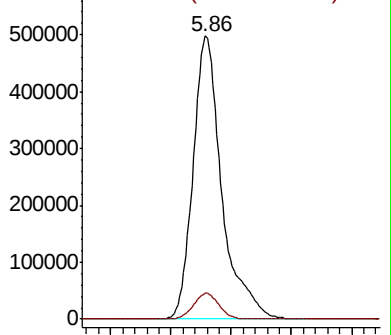
MMDadoda

3/25/2020 10:20:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.466 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

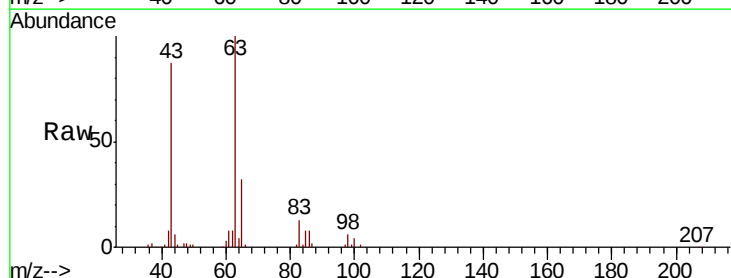
Tgt Ion: 63 Resp: 209794

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

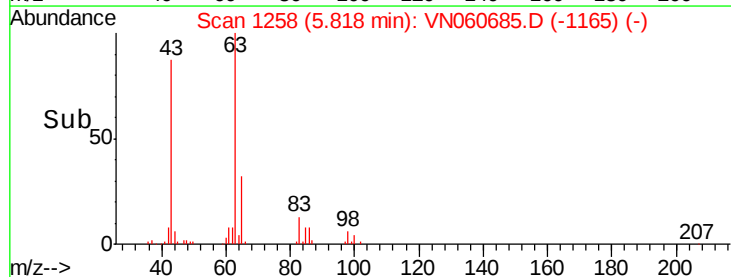
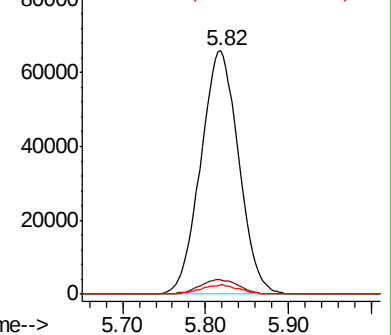
100 3.7 1.8 5.5

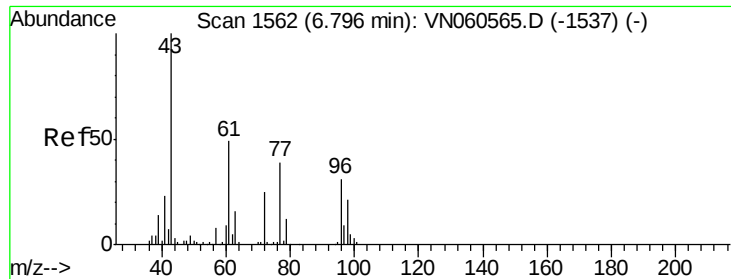


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





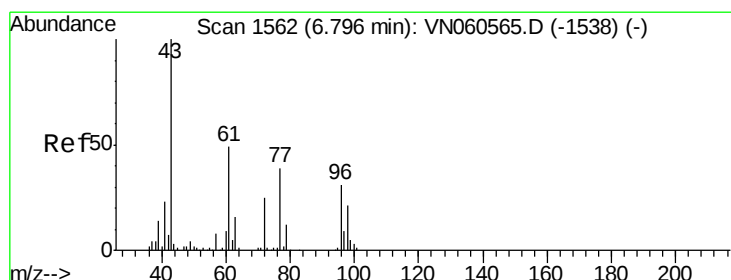
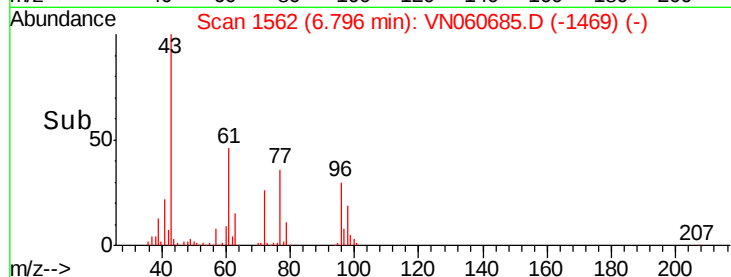
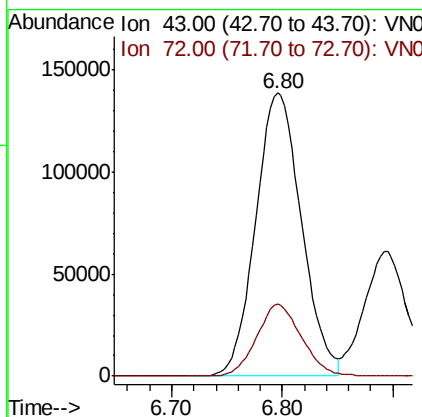
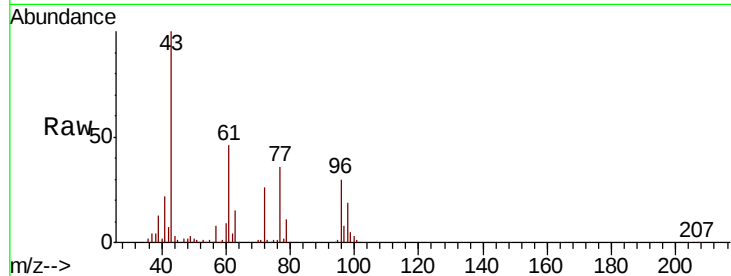
#25
2-Butanone
Concen: 273.067 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	399366
Ion Ratio	100	Lower	Upper
72	25.6	20.4	30.6

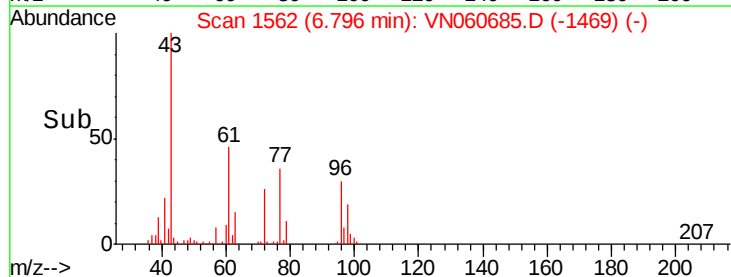
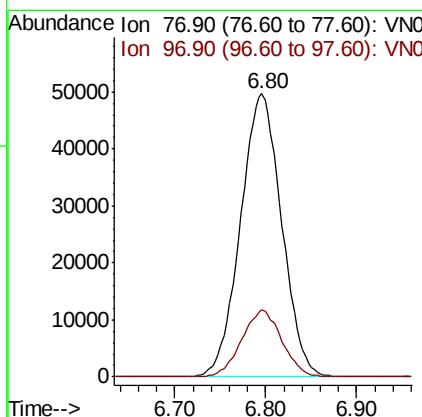
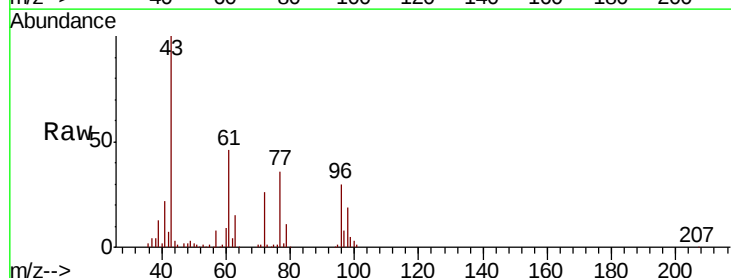
Manual Integrations
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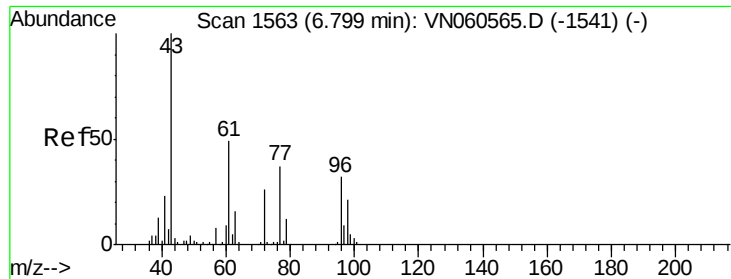
MMDadoda
3/25/2020 10:20:45 PM



#26
2,2-Dichloropropane
Concen: 48.492 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	77	Resp	155525
Ion Ratio	100	Lower	Upper
97	23.0	11.4	34.1





#27

cis-1,2-Dichloroethene

Concen: 50.619 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

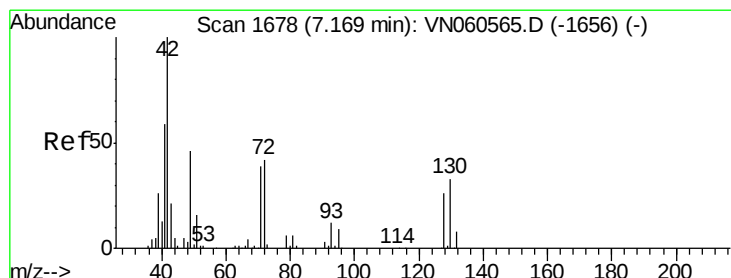
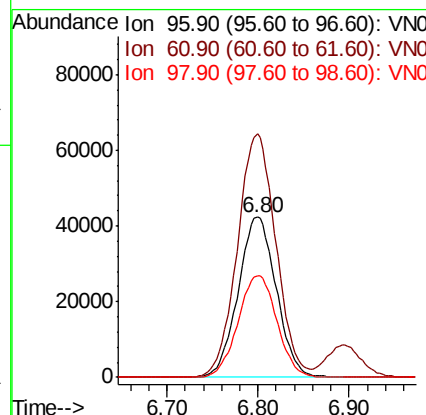
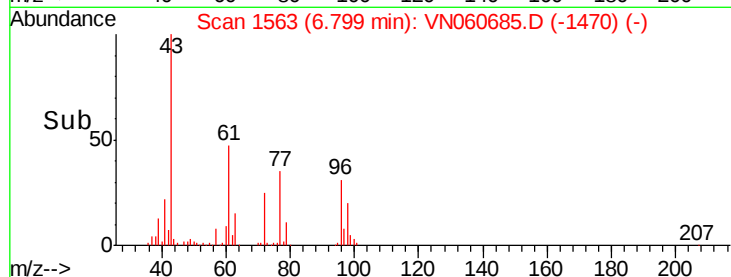
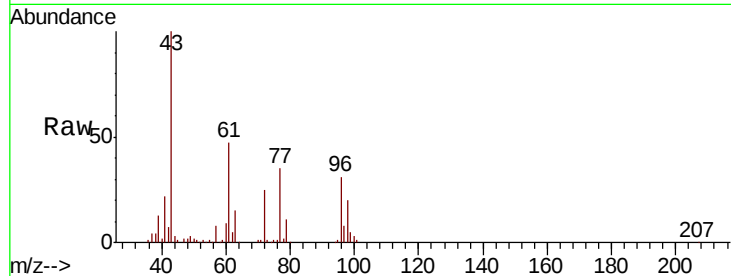
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123372
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	305.6
98	64.5	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 52.216 ug/l

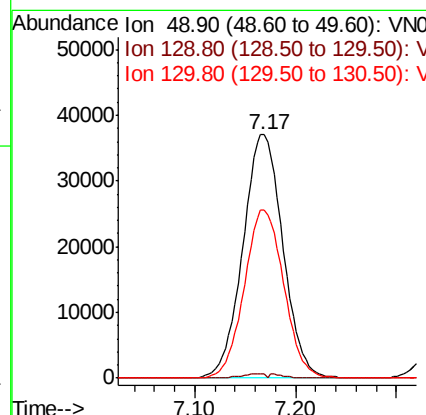
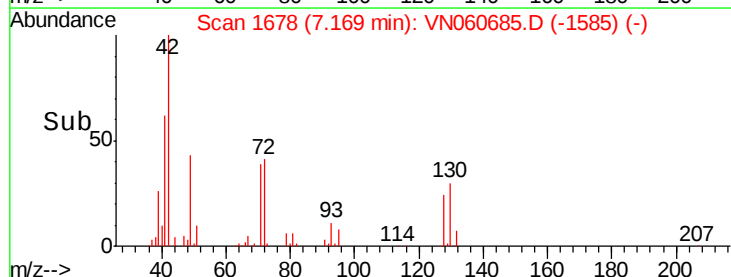
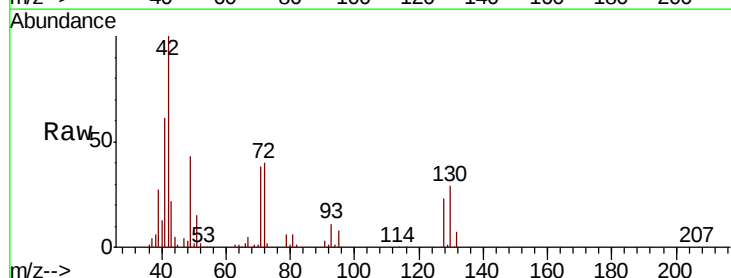
RT: 7.17 min Scan# 1678

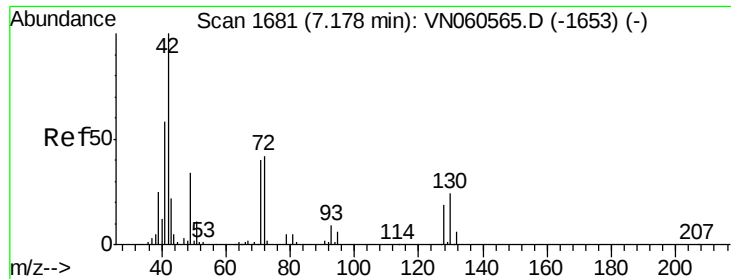
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	49	Resp:	101838
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	68.1	55.0	82.4





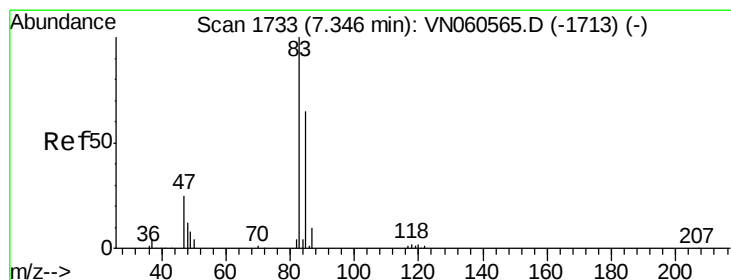
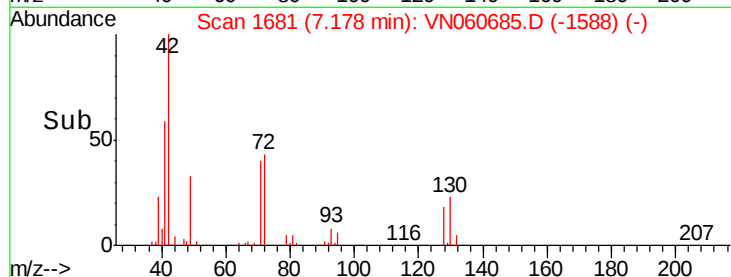
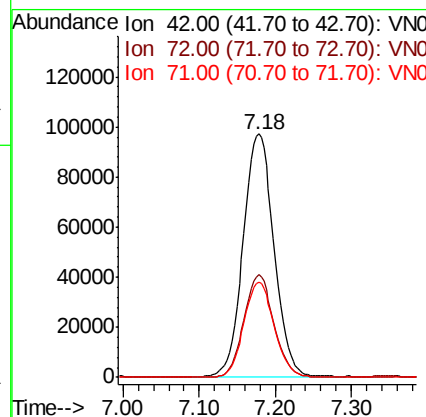
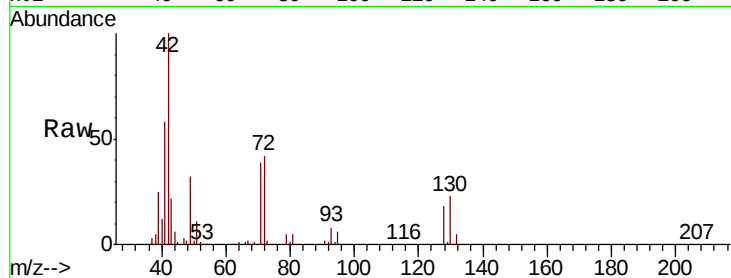
#29
Tetrahydrofuran
Concen: 266.275 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.2	49.8
71	38.3	31.1	46.7

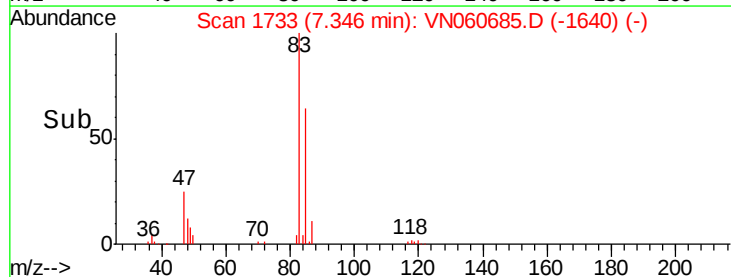
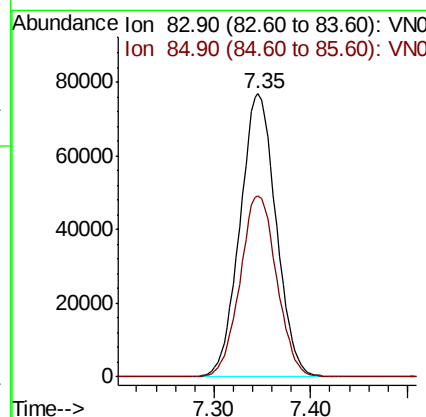
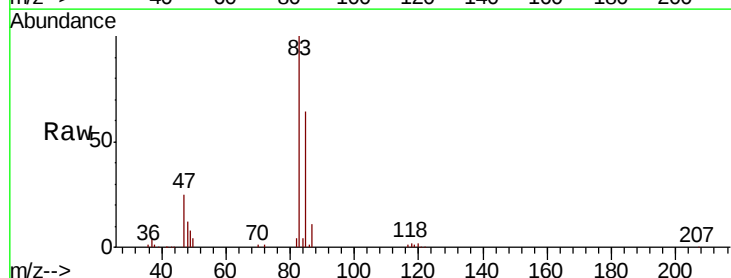
Manual Integrations
APPROVED

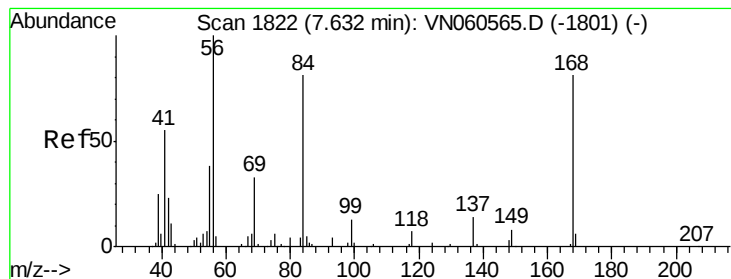
MMDadoda
3/25/2020 10:20:45 PM



#30
Chloroform
Concen: 50.959 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.8





#31

Cyclohexane

Concen: 47.791 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 196399

Ion Ratio Lower Upper

56 100

69 33.4 26.6 40.0

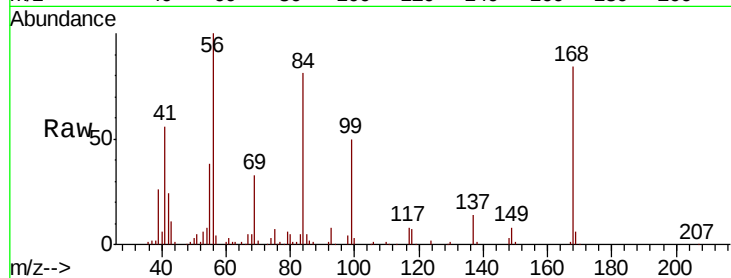
84 80.2 64.3 96.5

Manual Integrations

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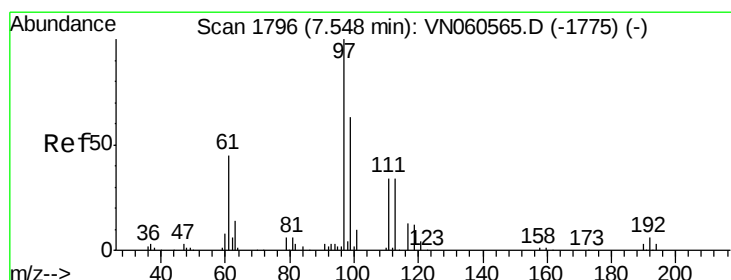
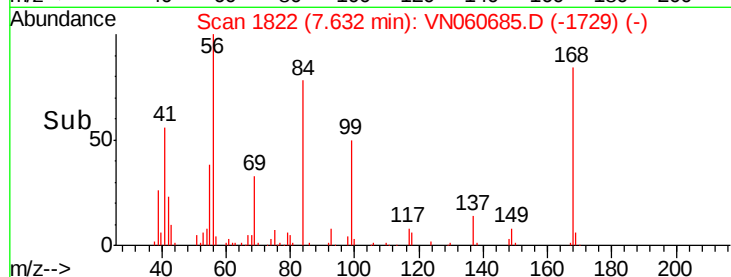
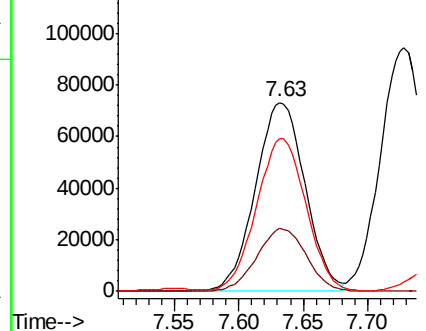
3/25/2020 10:20:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VN060565.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060565.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 51.174 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

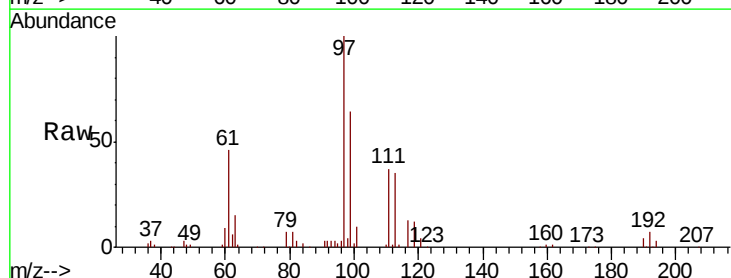
Tgt Ion: 97 Resp: 172396

Ion Ratio Lower Upper

97 100

99 64.3 50.6 75.8

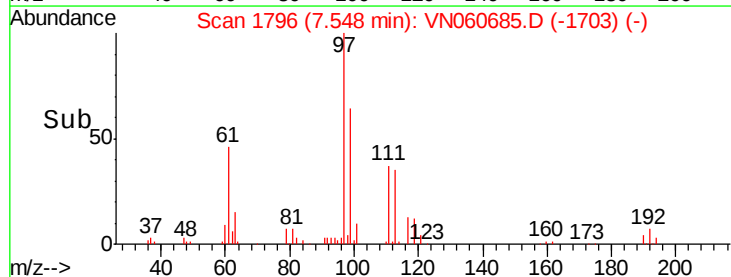
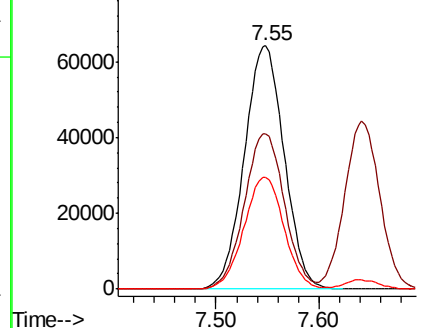
61 46.3 36.2 54.4

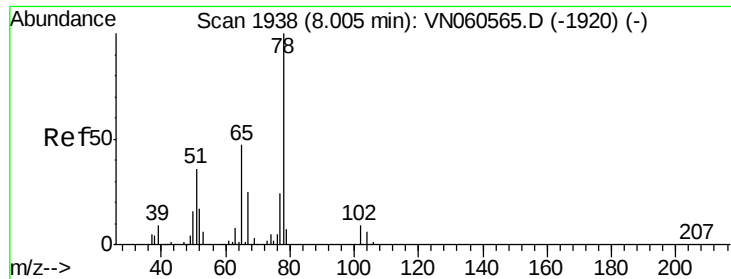


Abundance Ion 96.90 (96.60 to 97.60): VN060565.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN060565.D (-1775) (-)





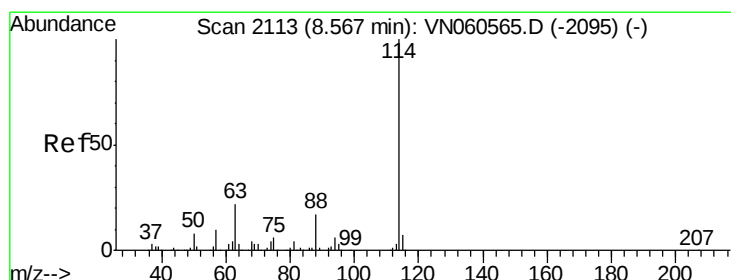
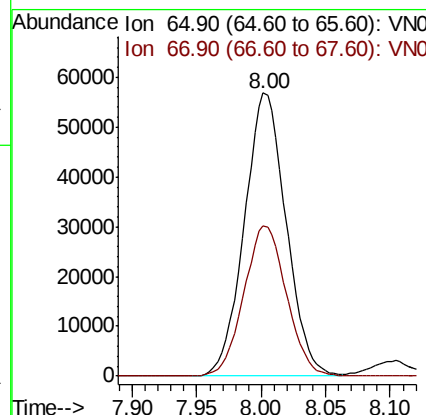
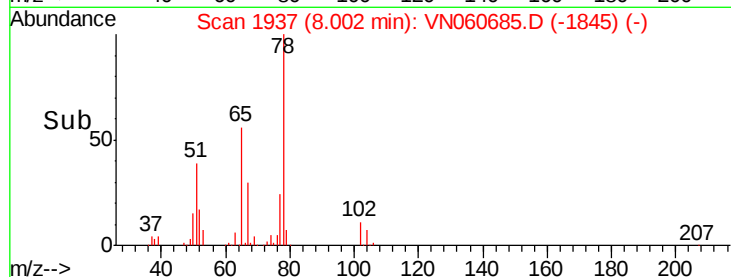
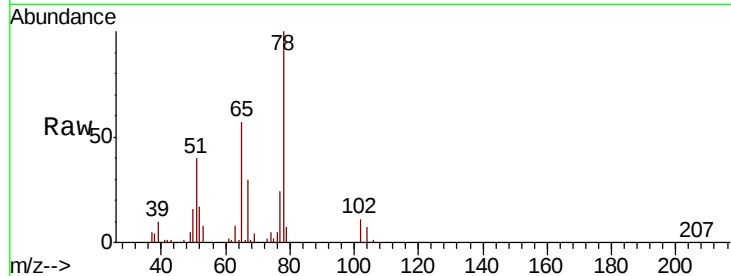
#33
 1,2-Dichloroethane-d4
 Concen: 50.334 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.6

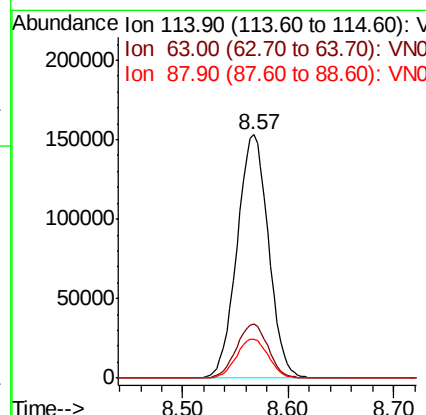
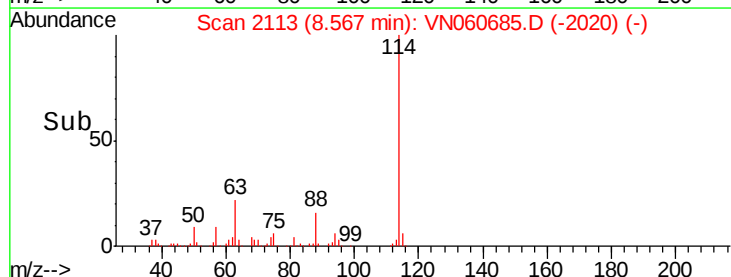
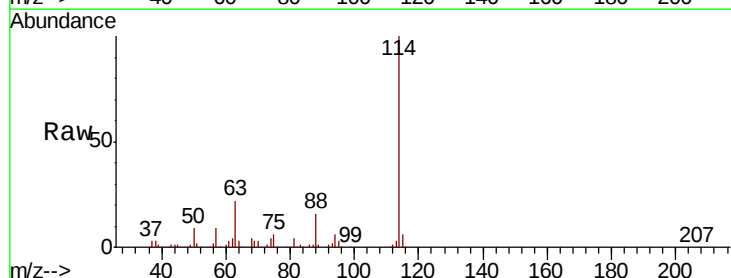
Manual Integrations
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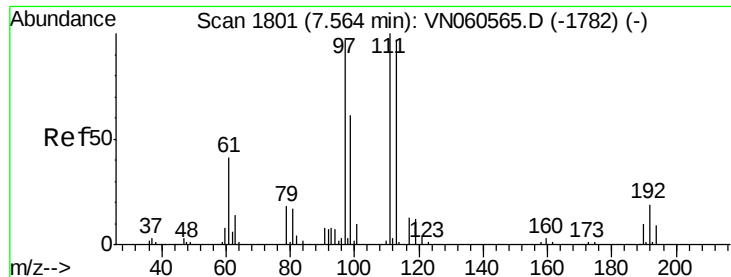
MMDadoda
 3/25/2020 10:20:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.0	0.0	33.0





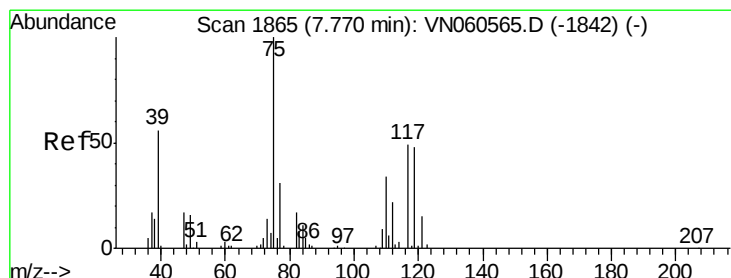
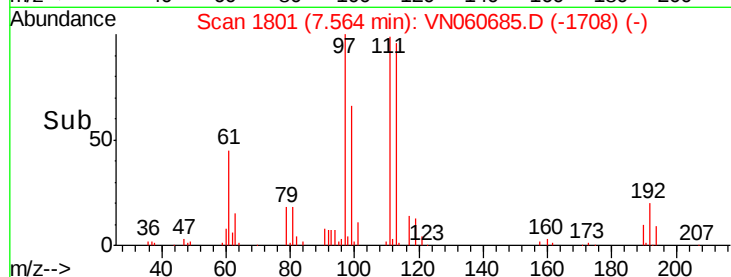
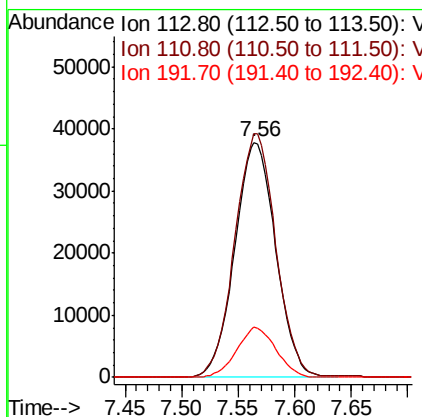
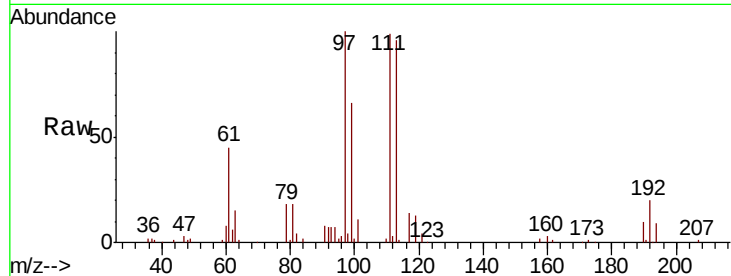
#35
Dibromofluoromethane
Concen: 49.912 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	20.3	15.8	23.8

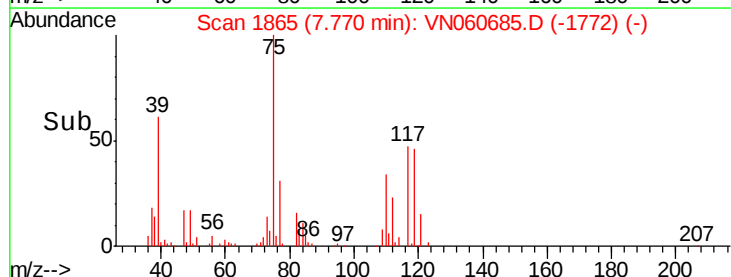
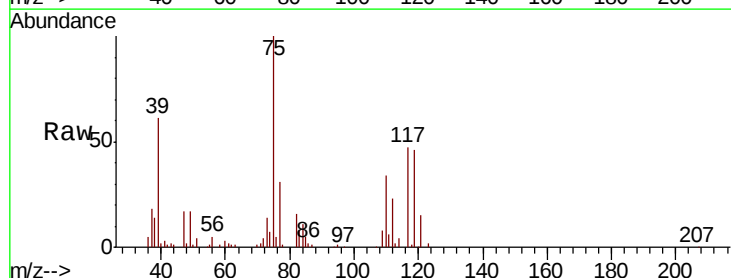
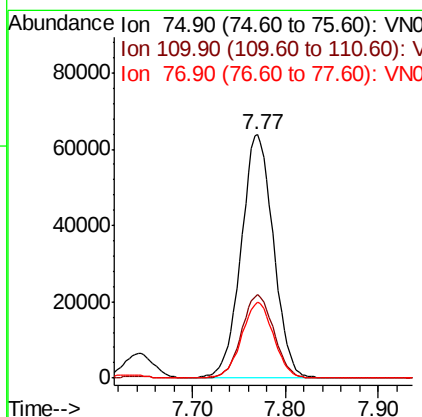
Manual Integrations
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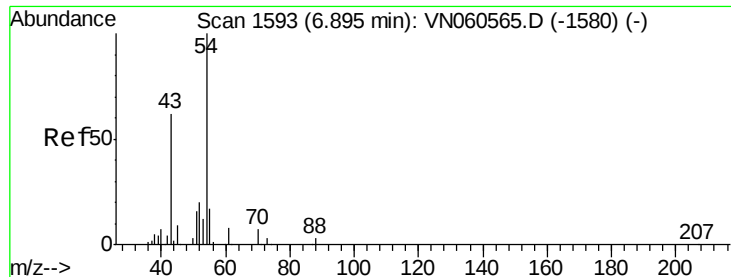
MMDadoda
3/25/2020 10:20:45 PM



#36
1,1-Dichloropropene
Concen: 50.351 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.6
77	30.9	24.6	36.8





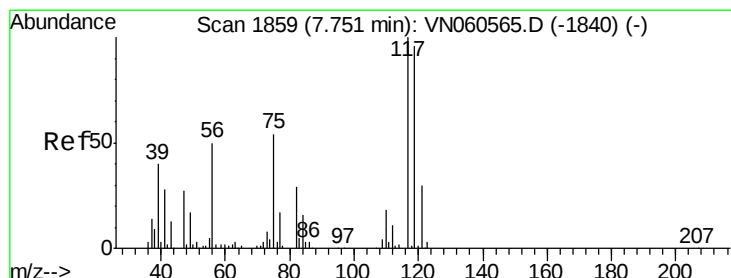
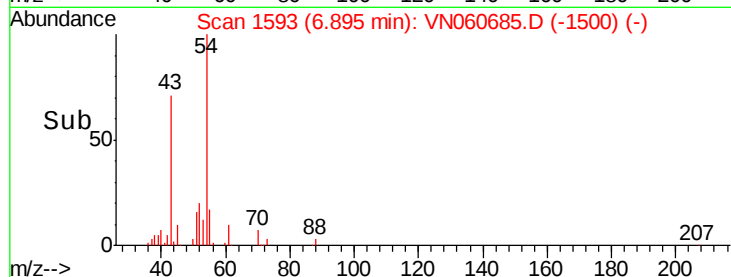
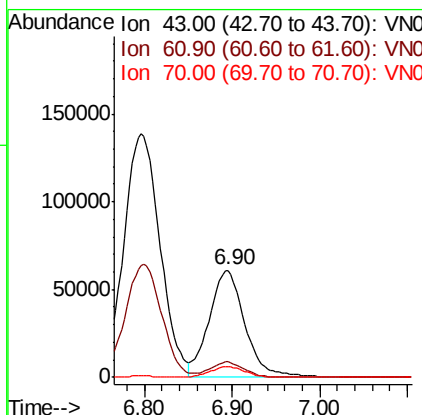
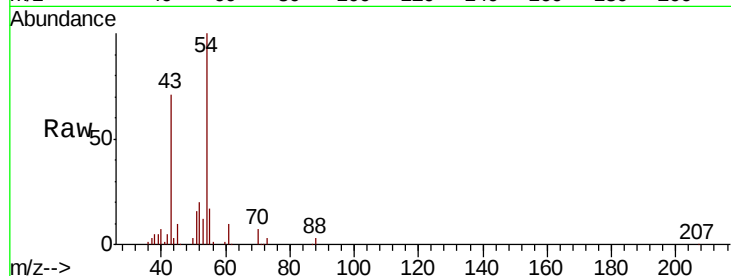
#37
Ethyl Acetate
Concen: 51.651 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.8	7.9	11.9

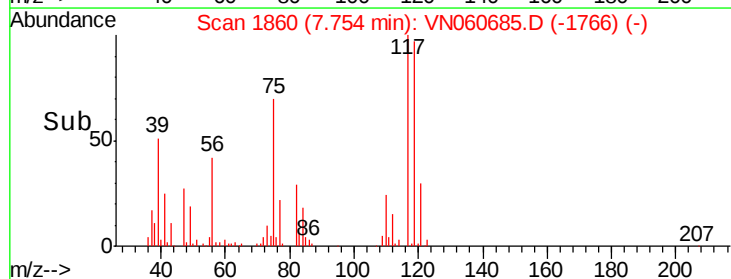
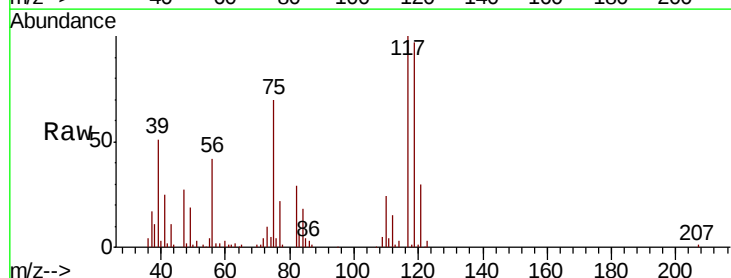
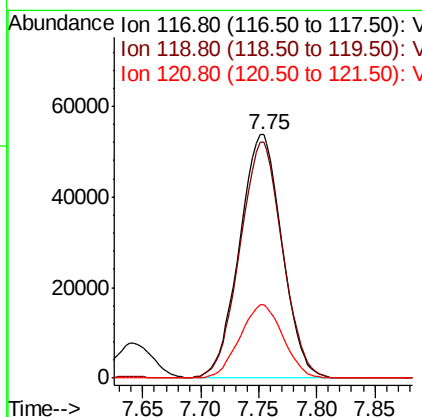
Manual Integrations
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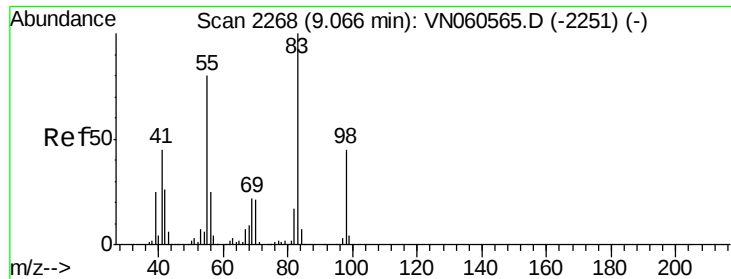
MMDadoda
3/25/2020 10:20:45 PM



#38
Carbon Tetrachloride
Concen: 50.115 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	30.2	23.7	35.5





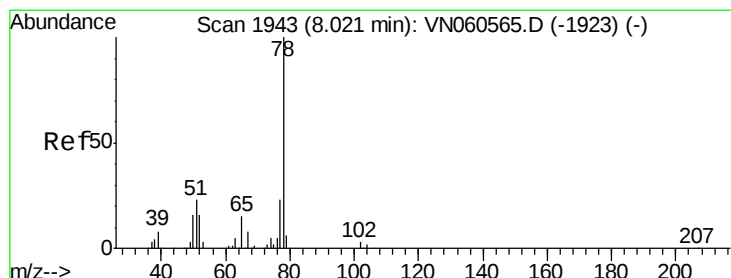
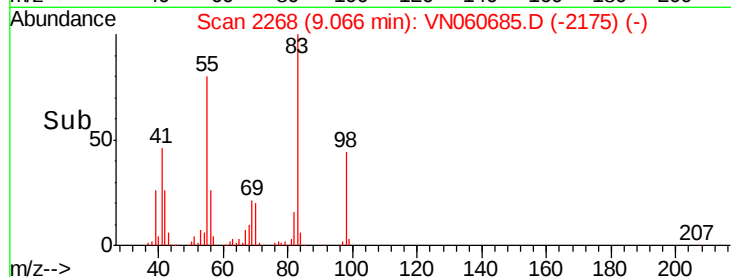
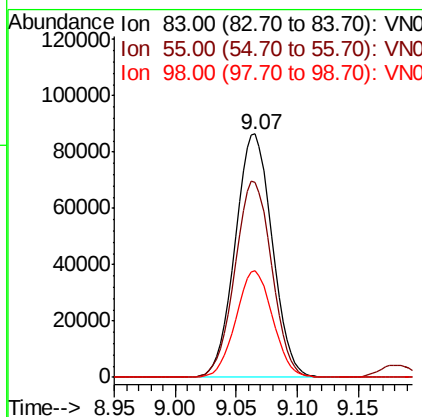
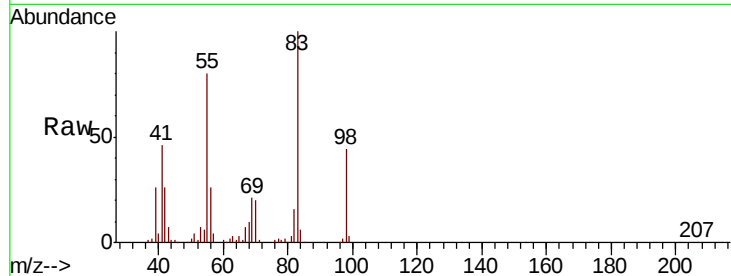
#39
Methvlcvclohexane
Concen: 49.917 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	181685		
55	80.2		63.6	95.4
98	44.0		36.0	54.0

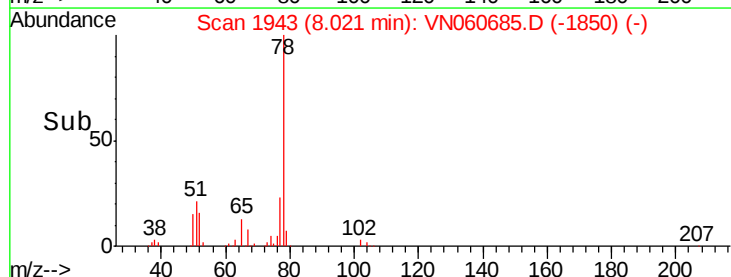
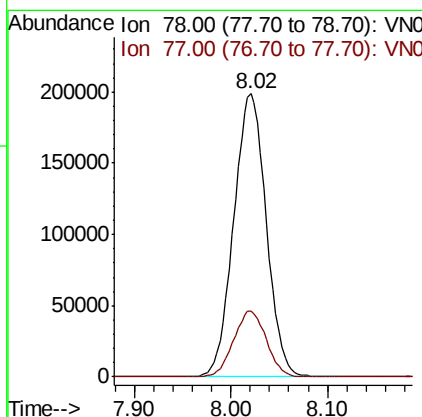
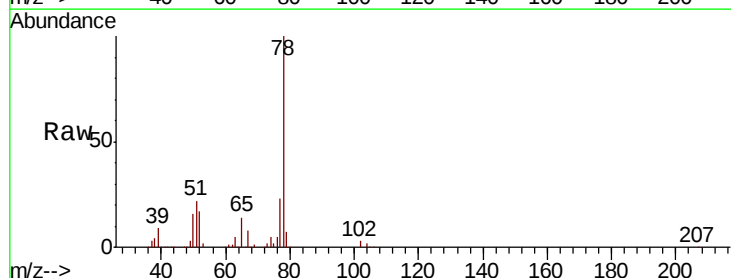
Manual Integrations
APPROVED

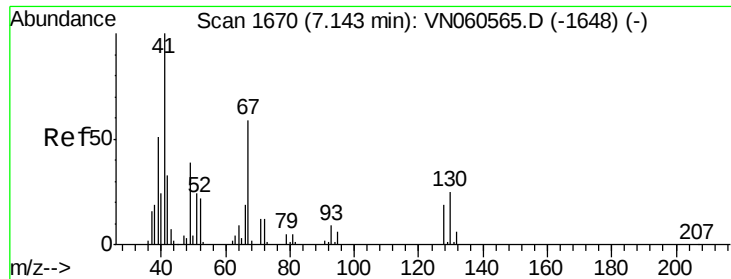
MMDadoda
3/25/2020 10:20:45 PM



#40
Benzene
Concen: 50.214 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	464268		
77	23.5		18.6	28.0





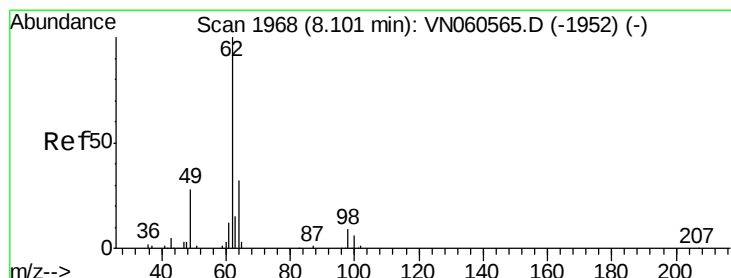
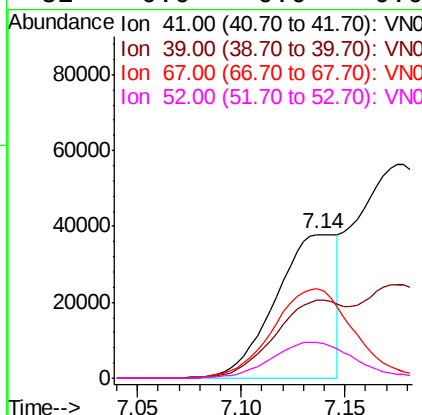
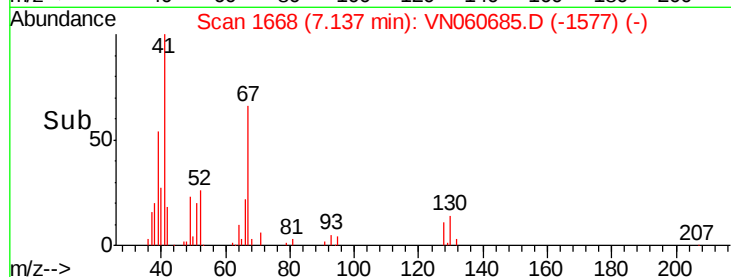
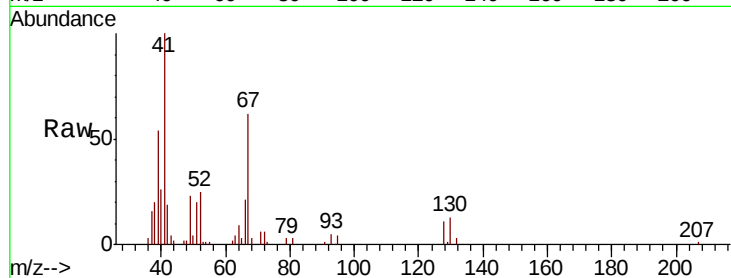
#41
Methacrylonitrile
Concen: 55.290 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	78090
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

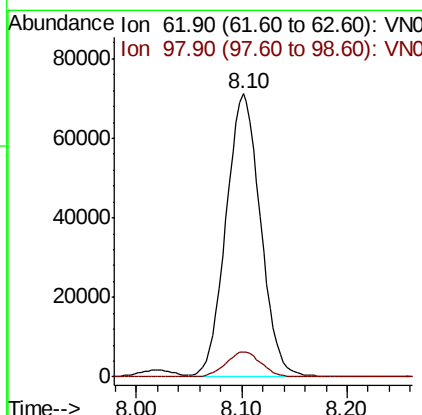
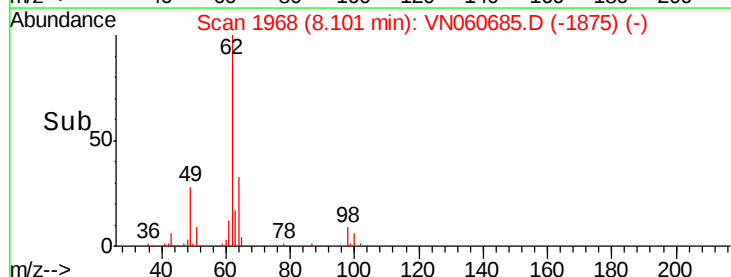
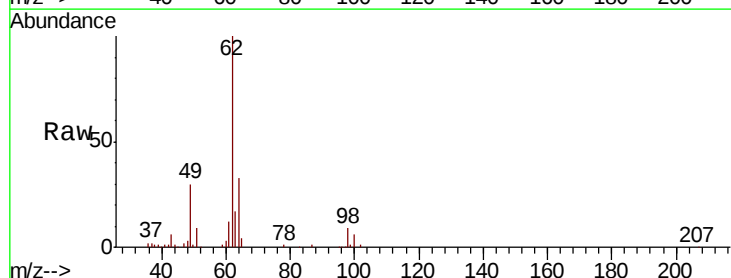
Manual Integrations
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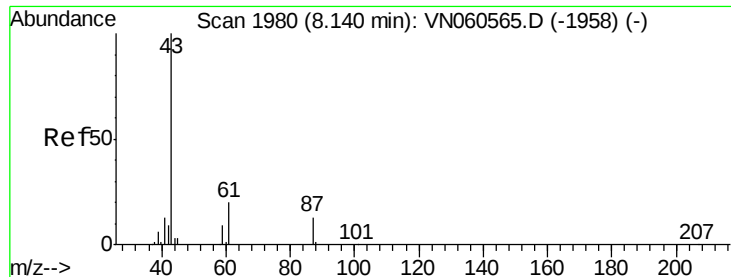
MMDadoda
3/25/2020 10:20:45 PM



#42
1,2-Dichloroethane
Concen: 51.035 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	62	Resp	161258
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





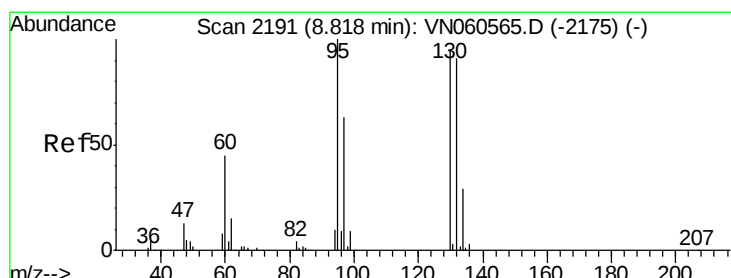
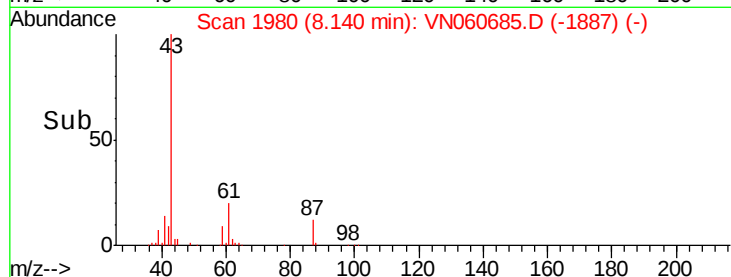
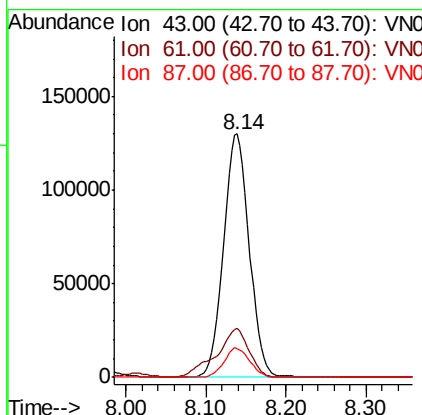
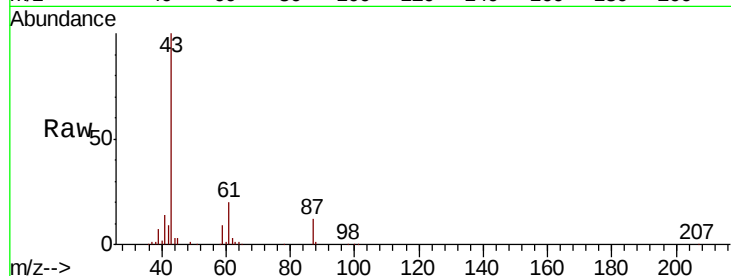
#43
Isopropyl Acetate
Concen: 52.070 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.0	9.8	14.8

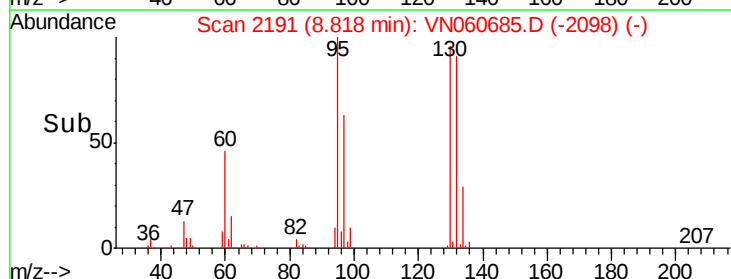
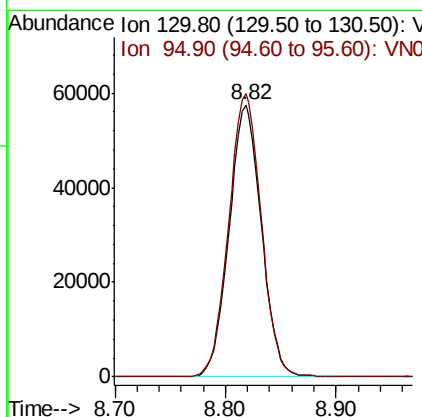
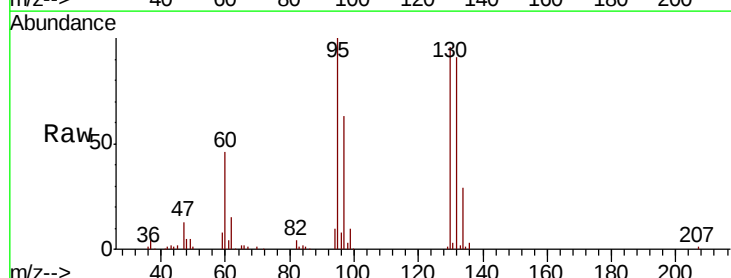
Manual Integrations
APPROVED

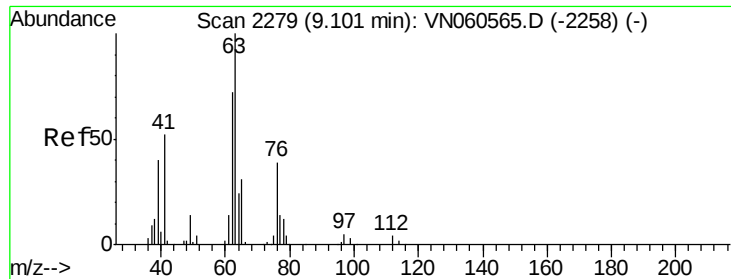
MMDadoda
3/25/2020 10:20:45 PM



#44
Trichloroethene
Concen: 50.040 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	211.2





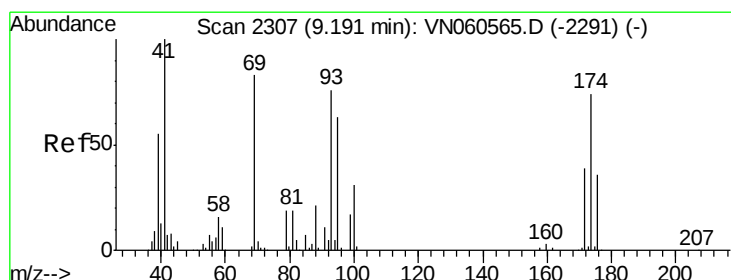
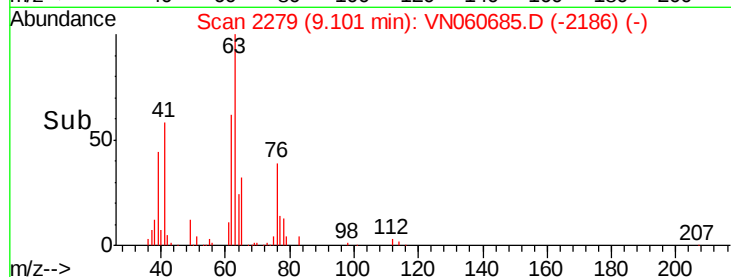
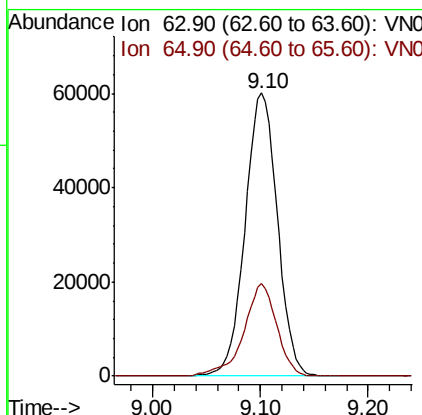
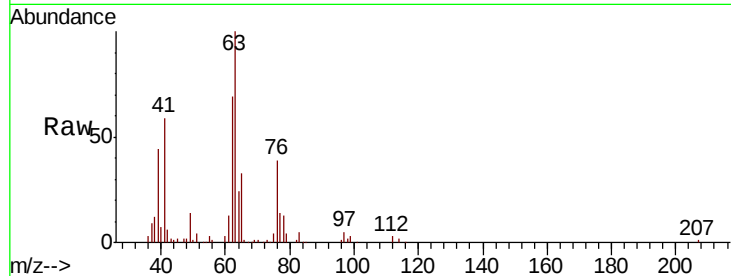
#45
 1,2-Dichloropropane
 Concen: 51.272 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 125087
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.4 38.0

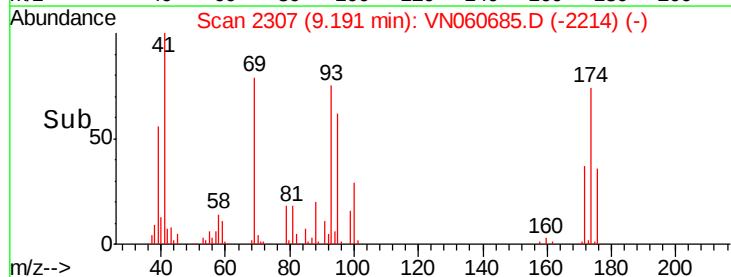
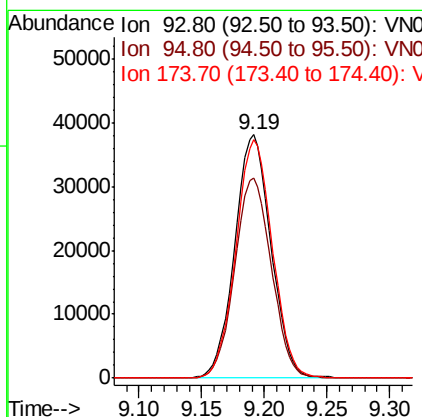
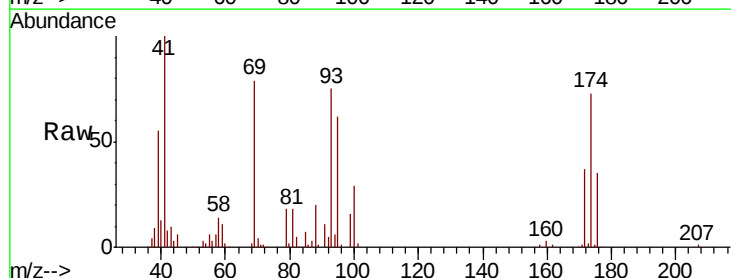
Manual Integrations
 APPROVED

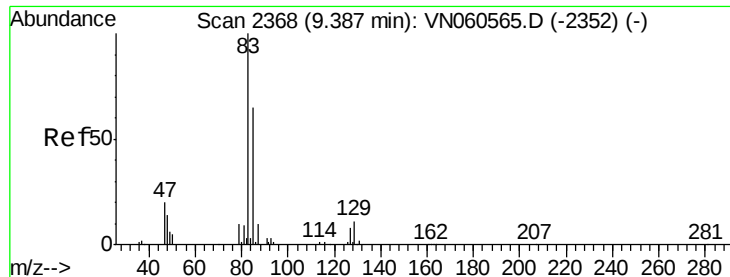
MMDadoda
 3/25/2020 10:20:45 PM



#46
 Dibromomethane
 Concen: 52.036 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 93 Resp: 76749
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 98.4 77.9 116.9





#47

Bromodichloromethane

Concen: 52.029 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

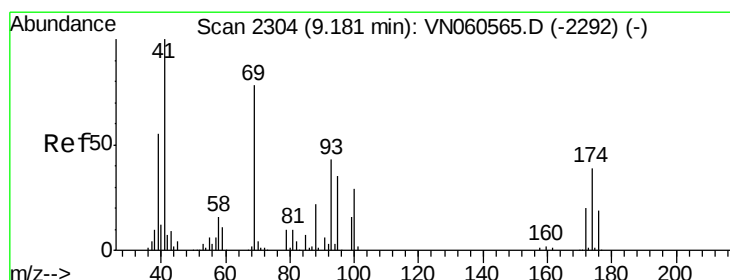
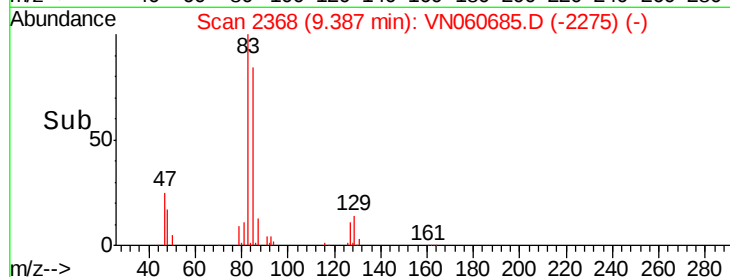
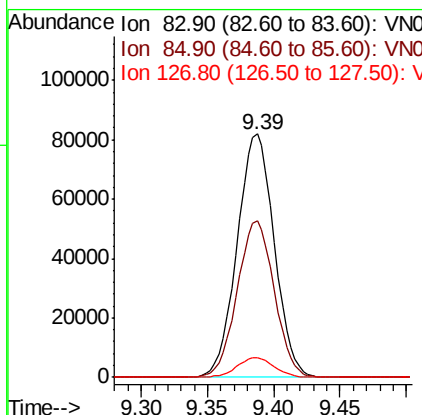
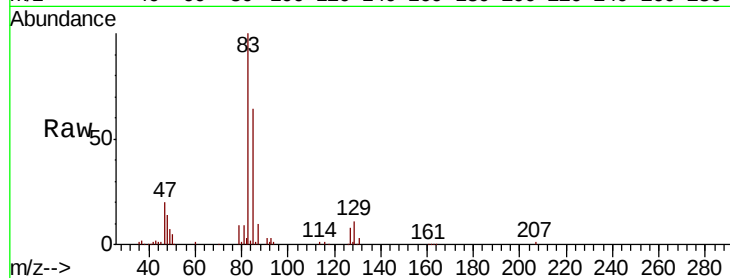
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	159463
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.8	77.6
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.194 ug/l

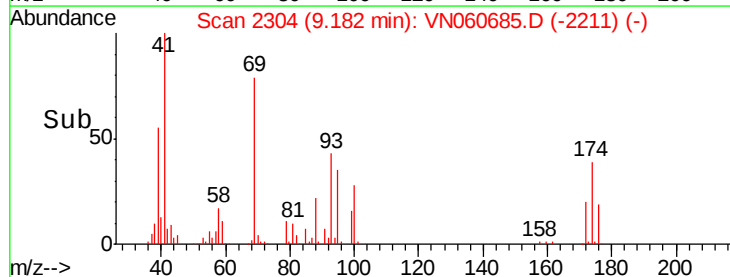
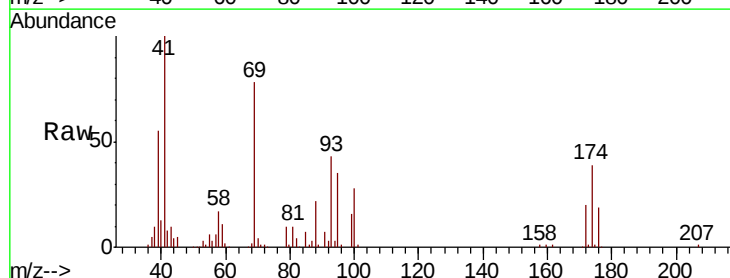
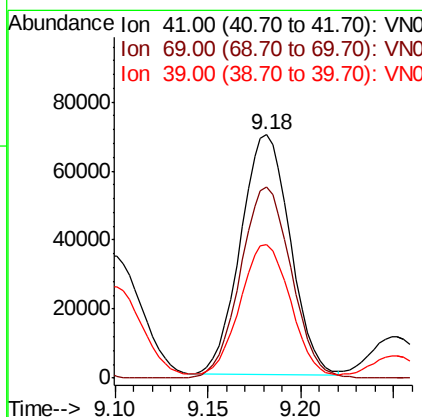
RT: 9.18 min Scan# 2304

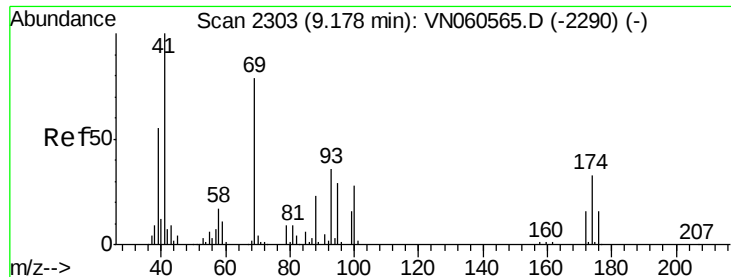
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	41	Resp:	129261
Ion Ratio	Lower	Upper	
41	100		
69	81.7	65.4	98.0
39	54.6	44.0	66.0





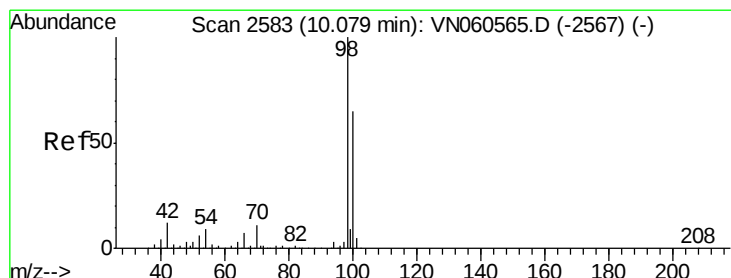
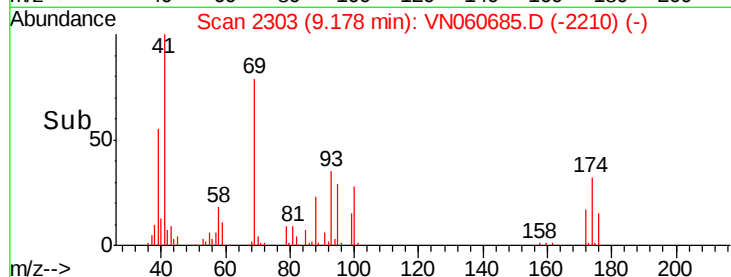
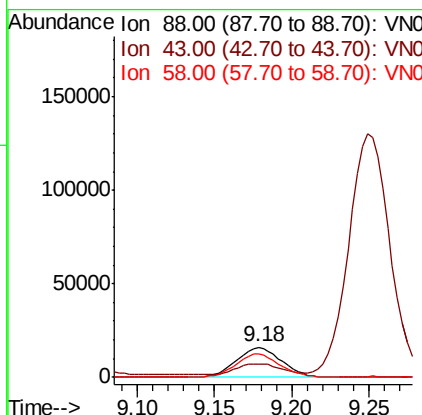
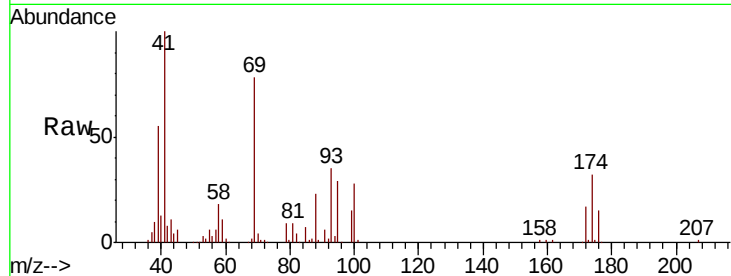
#49
1,4-Dioxane
Concen: 1124.319 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	30.8	46.2
58	75.4	59.8	89.8

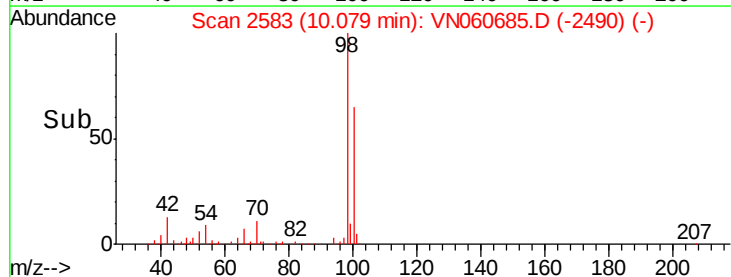
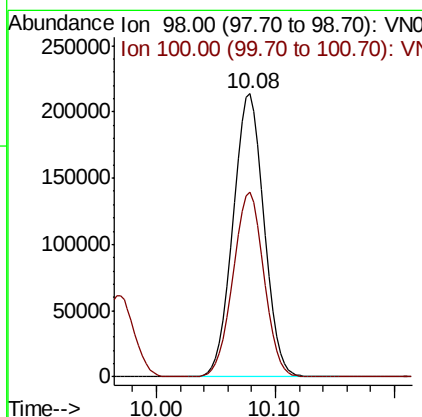
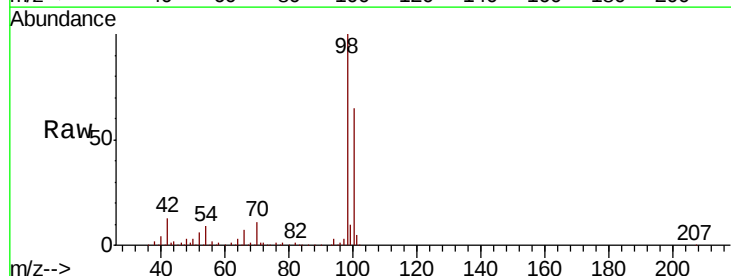
Manual Integrations
APPROVED

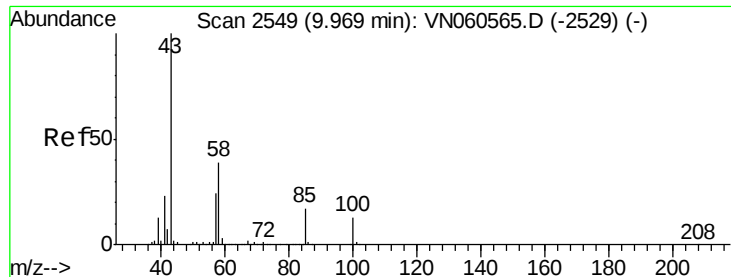
MMDadoda
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#50
Toluene-d8
Concen: 49.281 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 273.763 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 850241

Ion Ratio Lower Upper

43 100

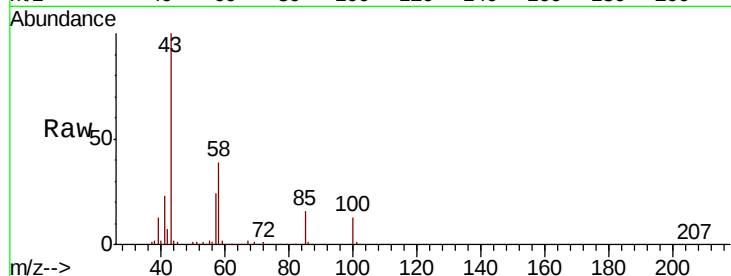
58 38.4 30.8 46.2

Manual Integrations

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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) (-)

500000

400000

300000

200000

100000

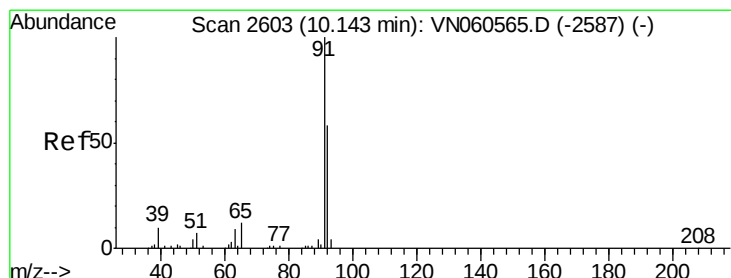
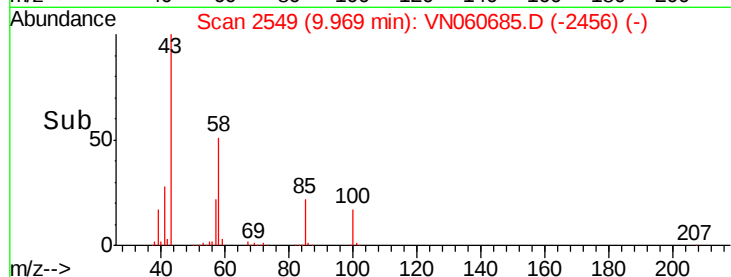
0

9.90

9.97

10.00

Time-->



#52

Toluene

Concen: 50.772 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060685.D

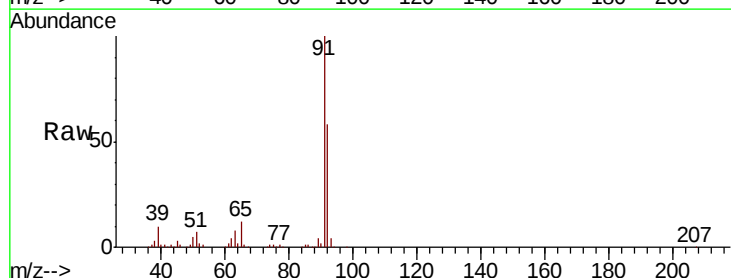
Acq: 24 Mar 2020 20:09

Tgt Ion: 92 Resp: 283501

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4



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

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

300000

250000

200000

150000

100000

50000

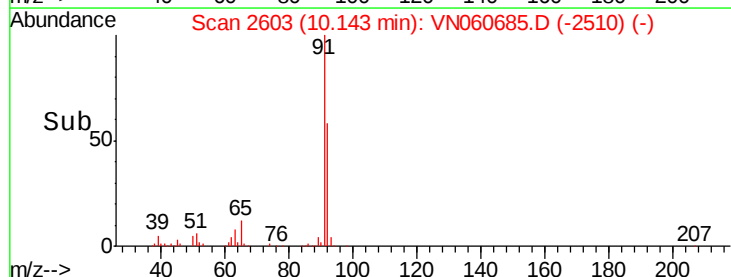
0

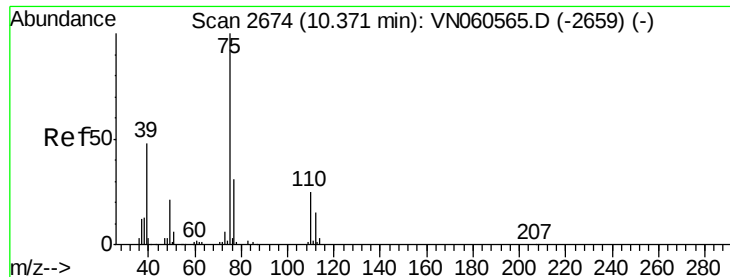
10.10

10.14

10.20

Time-->





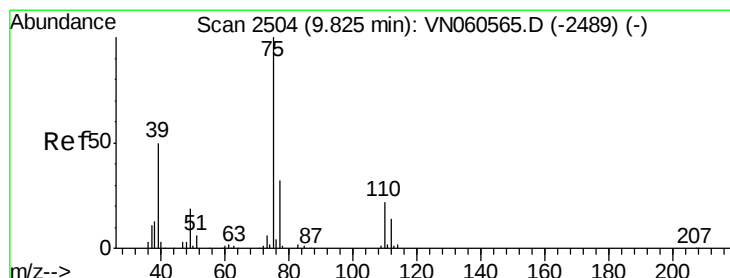
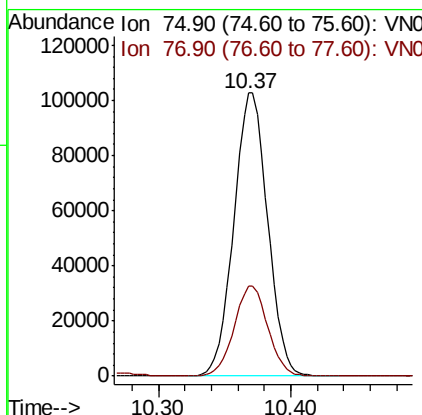
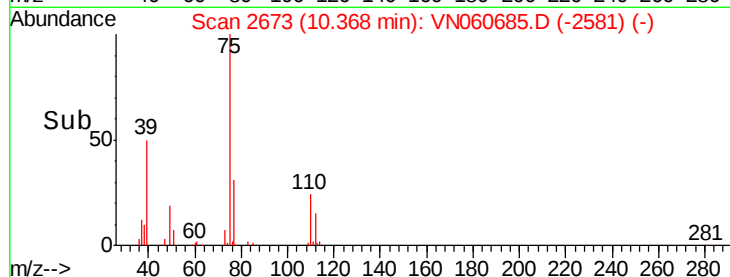
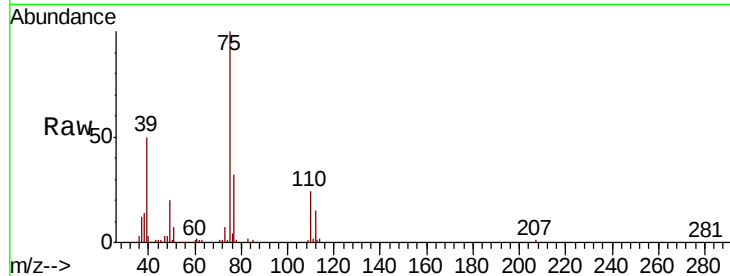
#53
t-1,3-Dichloropropene
Concen: 51.626 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	181753
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.1	37.7

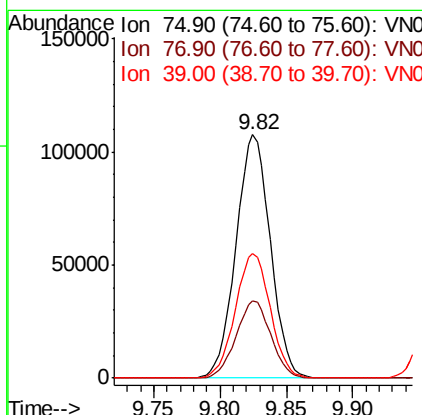
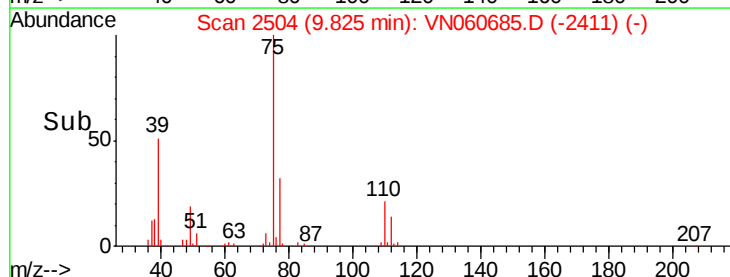
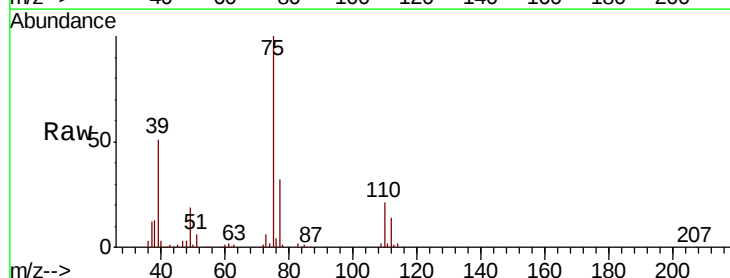
Manual Integrations
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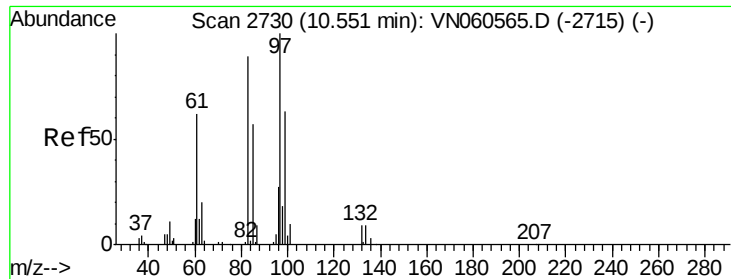
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.280 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	75	Resp	194194
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.4	38.0
39	51.4	40.2	60.4





#55

1,1,2-Trichloroethane

Concen: 51.316 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

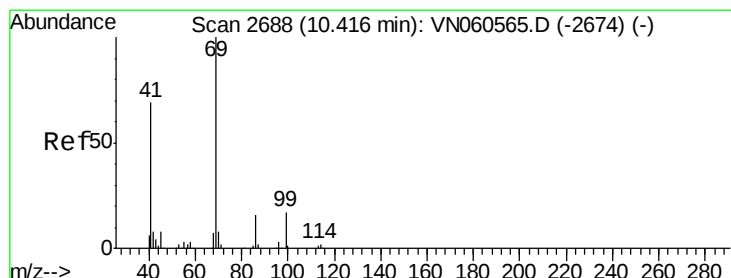
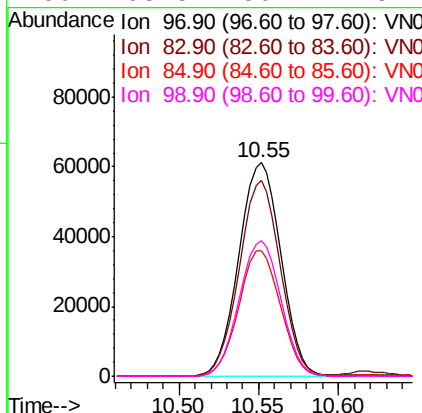
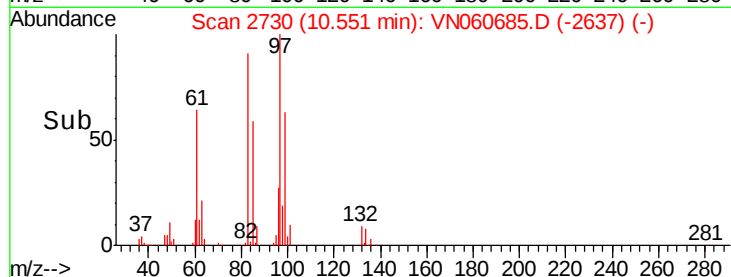
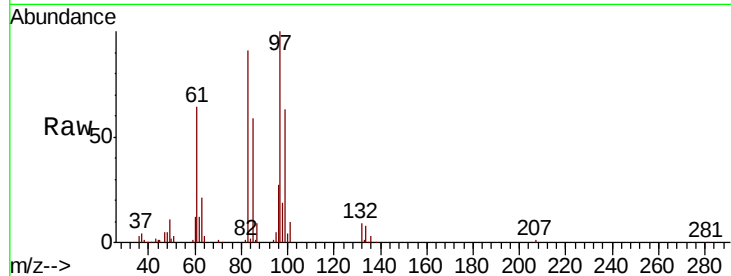
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	110235
Ion Ratio	Lower	Upper	
97	100		
83	91.5	71.3	106.9
85	58.9	45.2	67.8
99	63.5	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.963 ug/l

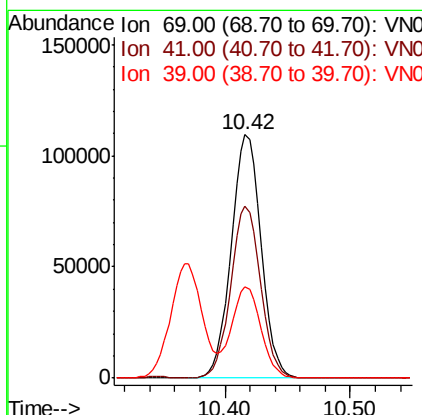
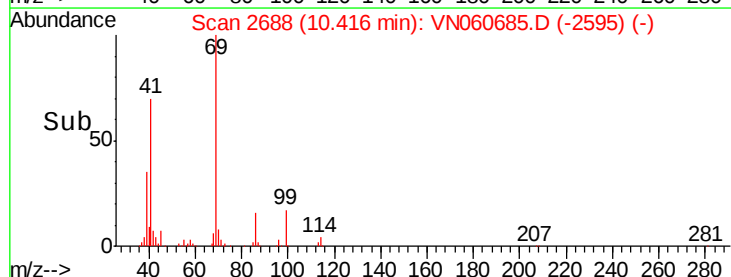
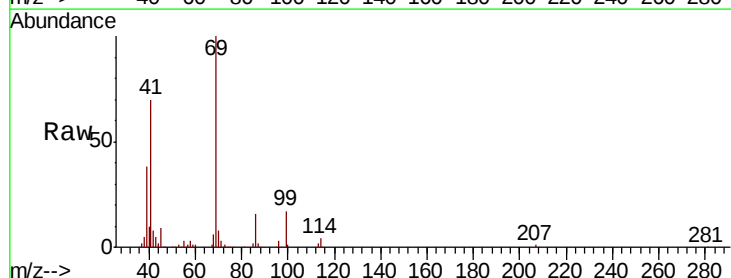
RT: 10.42 min Scan# 2688

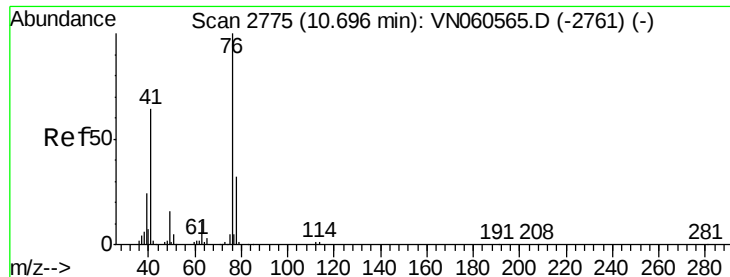
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	69	Resp:	180748
Ion Ratio	Lower	Upper	
69	100		
41	70.2	55.4	83.2
39	37.2	29.4	44.0





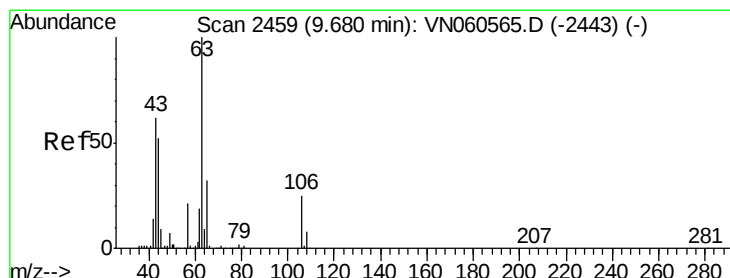
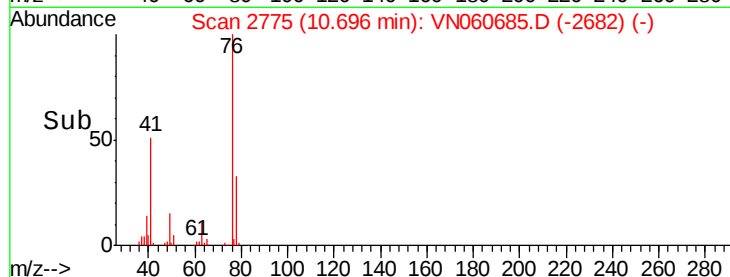
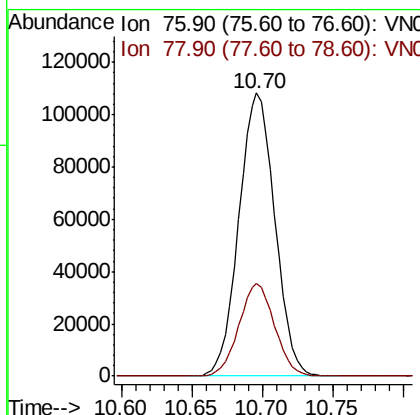
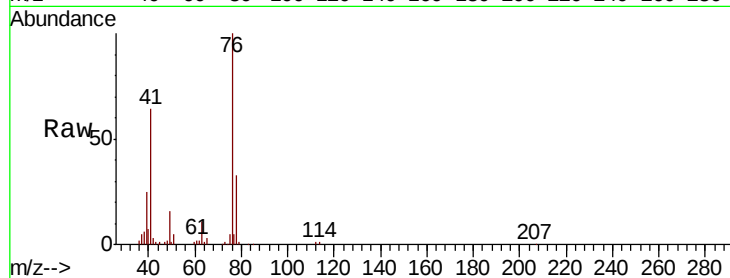
#57
 1,3-Dichloropropane
 Concen: 51.924 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

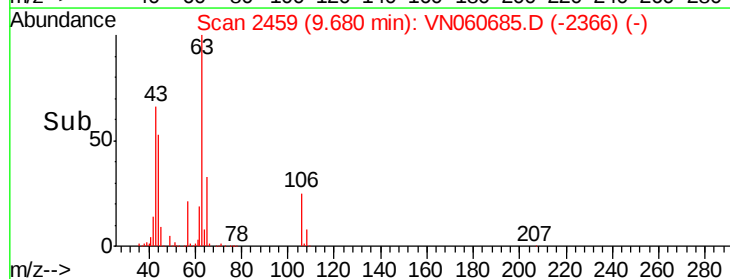
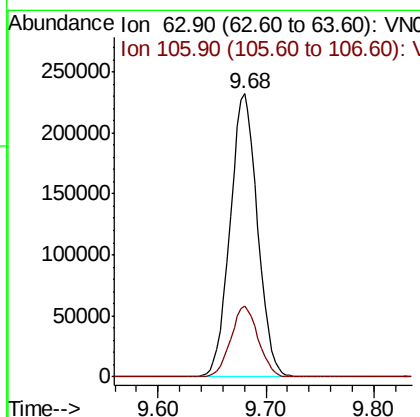
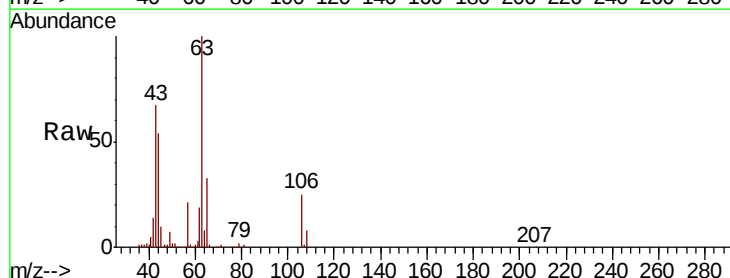
Manual Integrations
 APPROVED

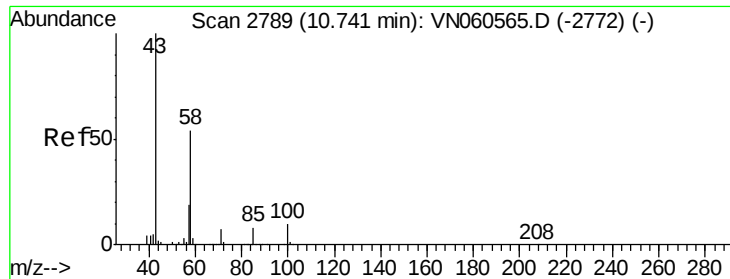
MMDadoda
 3/25/2020 10:20:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.840 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.0	30.0





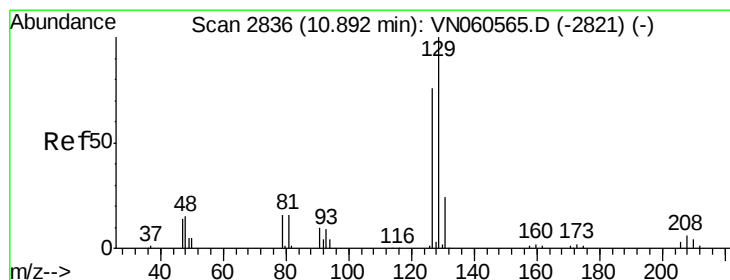
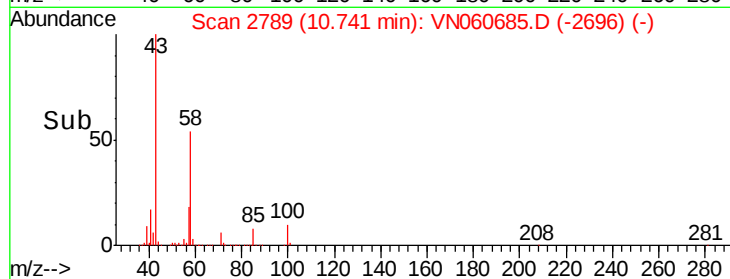
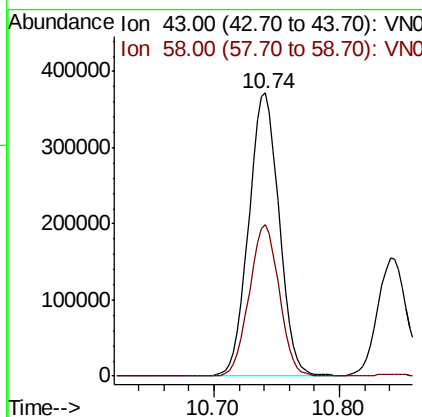
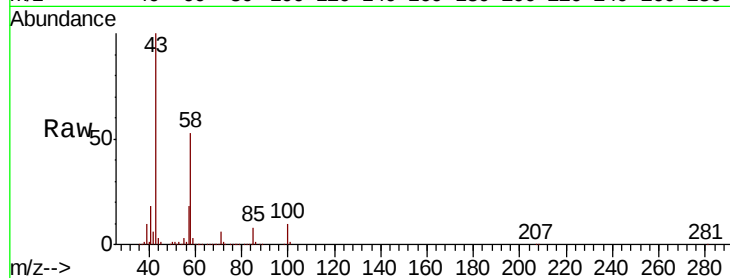
#59
2-Hexanone
Concen: 278.365 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 622768
Ion Ratio Lower Upper
43 100
58 53.1 26.7 80.1

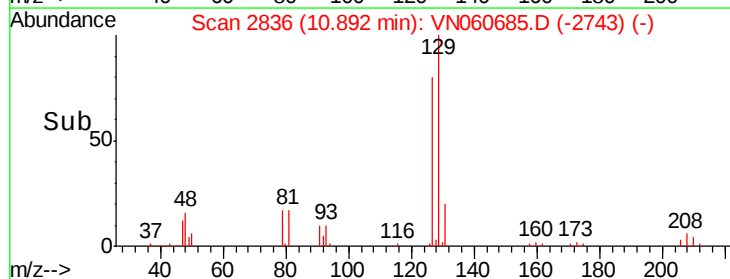
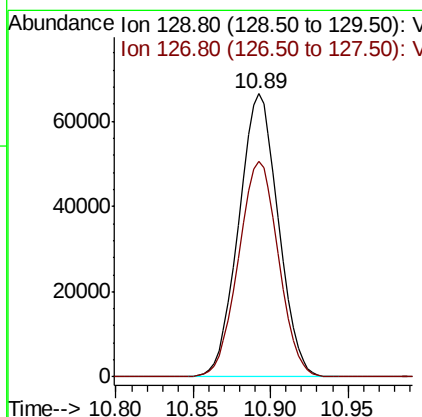
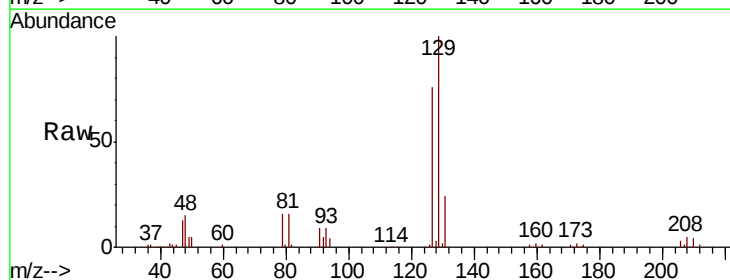
Manual Integrations
APPROVED

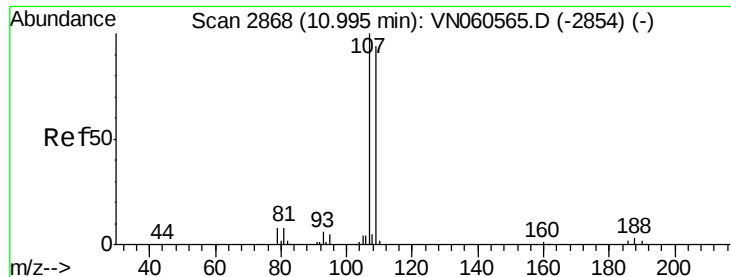
MMDadoda
3/25/2020 10:20:45 PM



#60
Dibromochloromethane
Concen: 53.333 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 129 Resp: 118344
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.488 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 113380

Ion Ratio Lower Upper

107 100

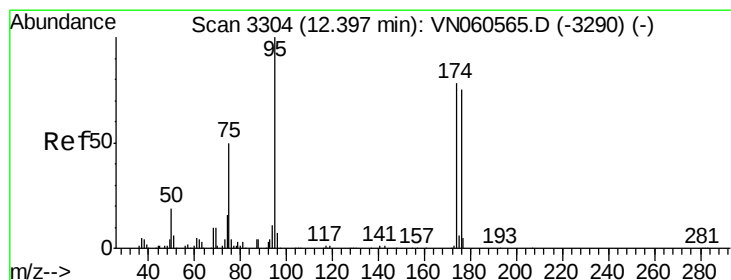
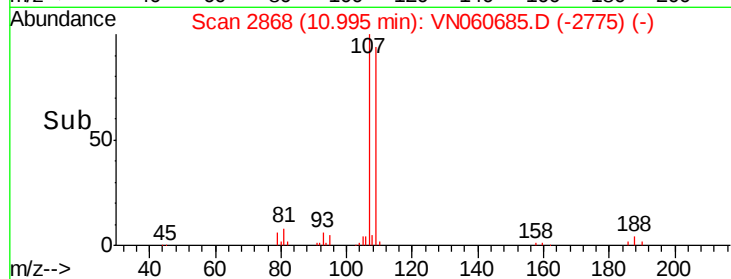
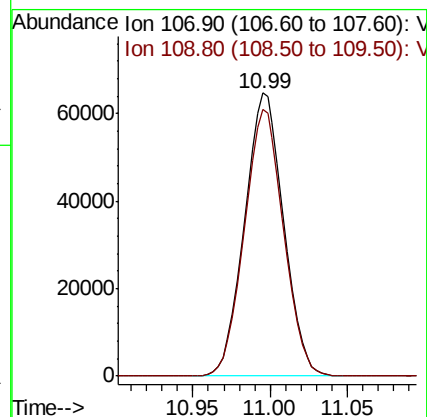
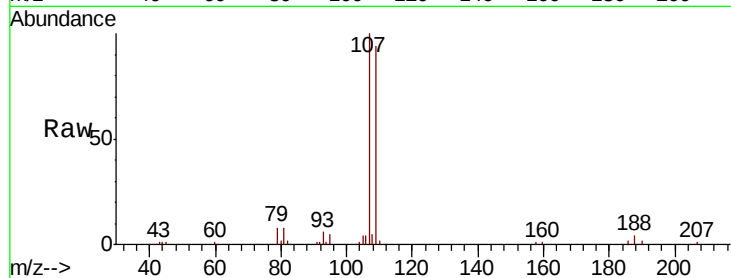
109 94.7 75.4 113.2

Manual Integrations

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MMDadoda

3/25/2020 10:20:45 PM



#62

4-Bromofluorobenzene

Concen: 50.026 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

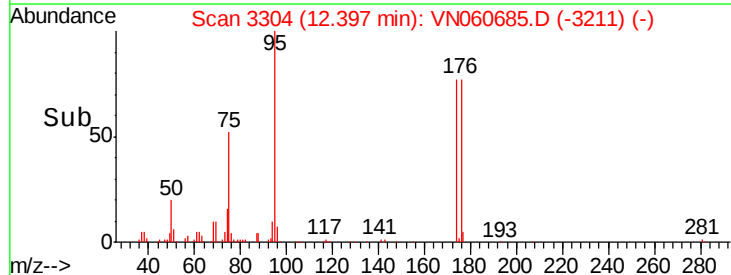
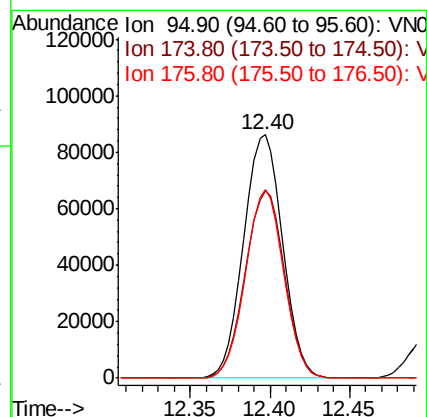
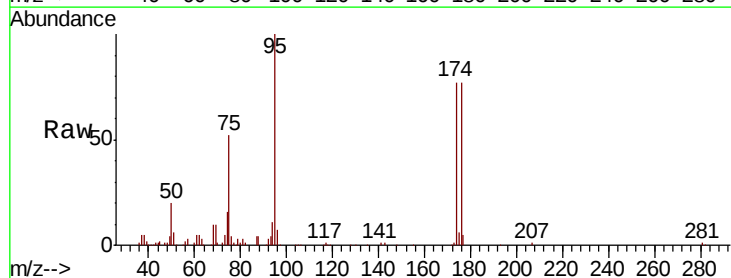
Tgt Ion: 95 Resp: 143225

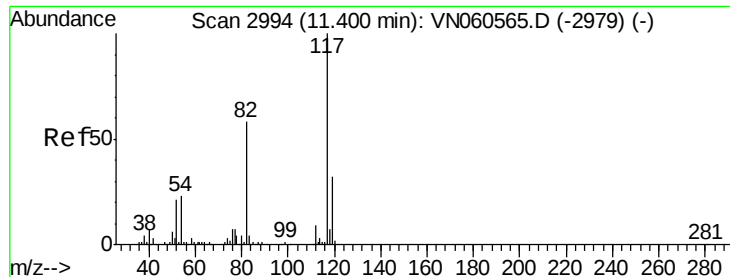
Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.6

176 75.8 0.0 150.6





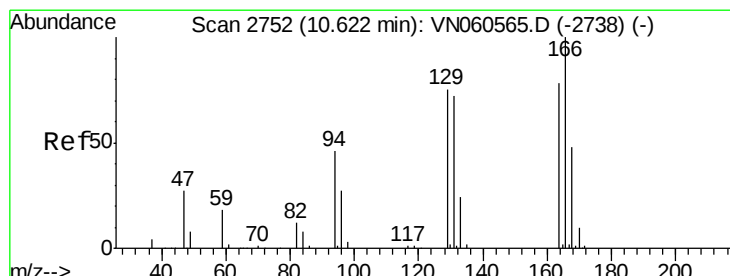
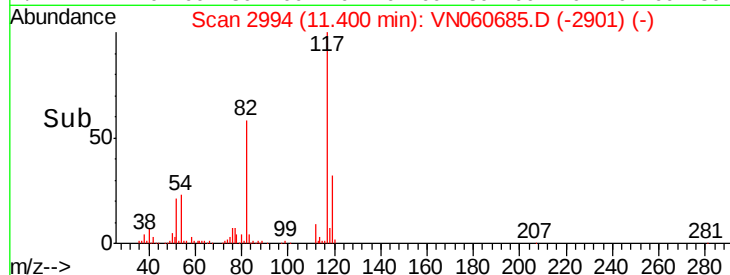
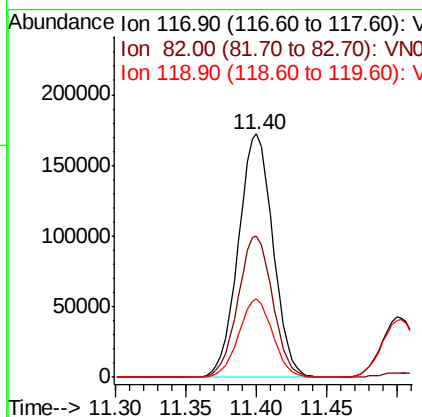
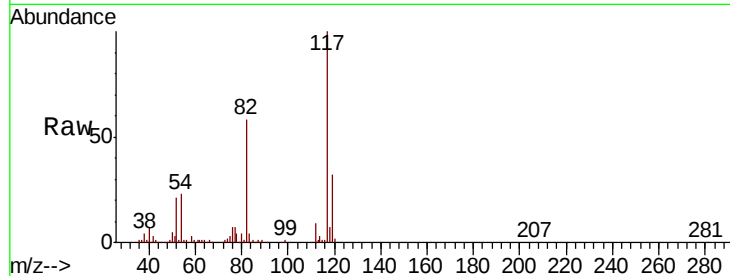
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.7	70.1
119	32.0	25.5	38.3

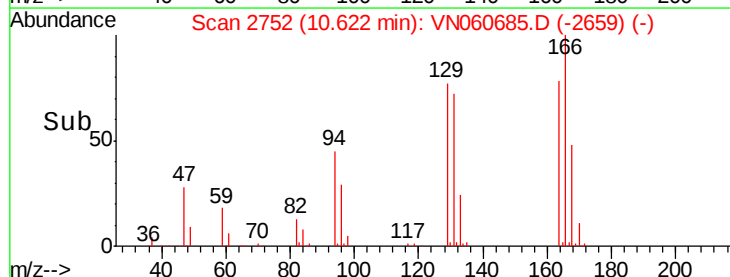
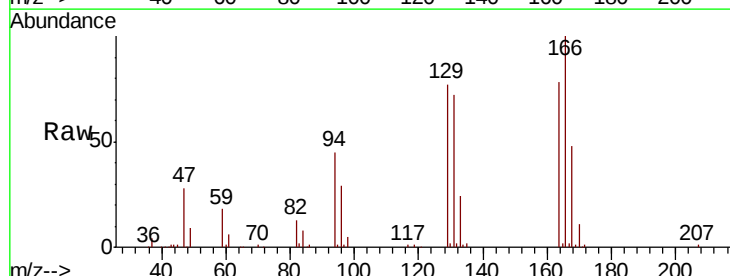
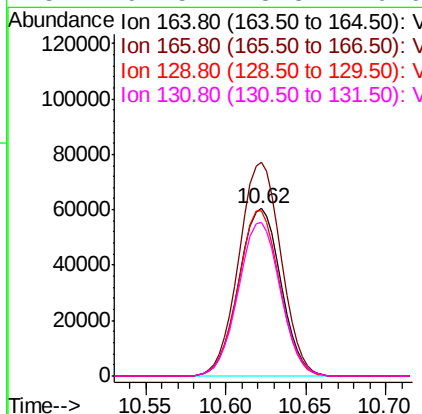
Manual Integrations
APPROVED

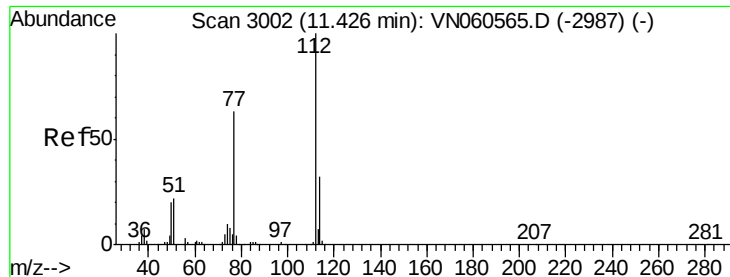
MMDadoda
3/25/2020 10:20:45 PM



#64
Tetrachloroethene
Concen: 46.692 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.7	154.1
129	98.4	77.2	115.8
131	91.5	73.8	110.6





#65

Chlorobenzene

Concen: 49.255 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 289079

Ion Ratio Lower Upper

112 100

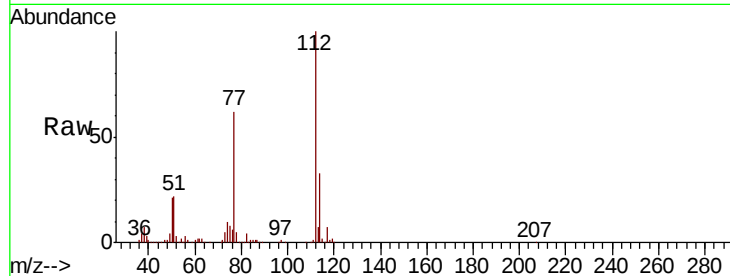
114 32.6 25.8 38.6

Manual Integrations

APPROVED

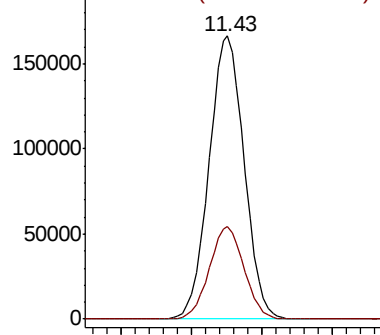
MMDadoda

3/25/2020 10:20:45 PM

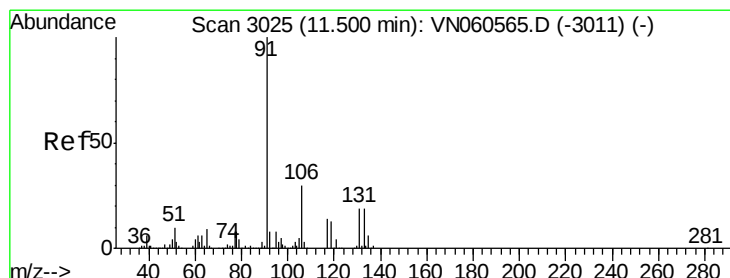
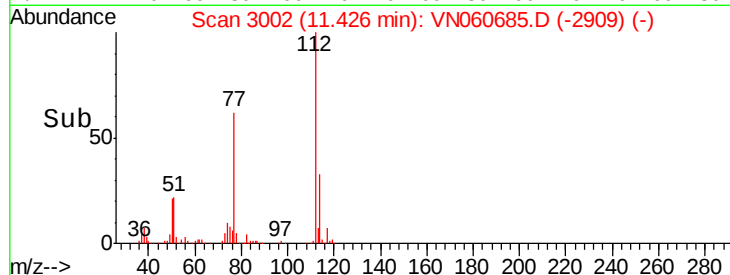


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.951 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

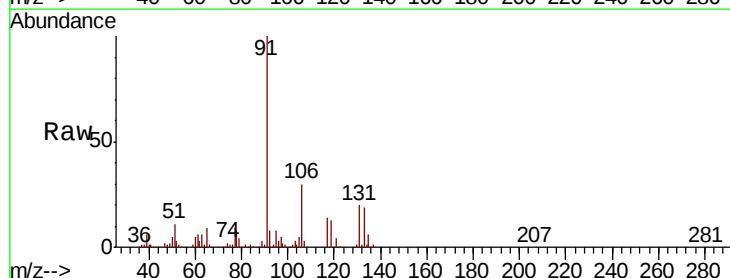
Tgt Ion:131 Resp: 106146

Ion Ratio Lower Upper

131 100

133 96.7 48.9 146.8

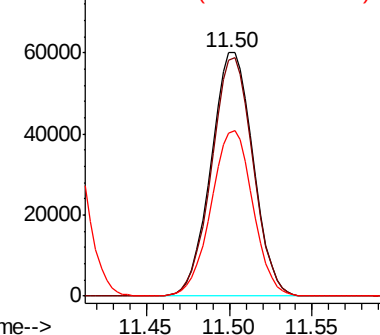
119 67.2 33.9 101.7



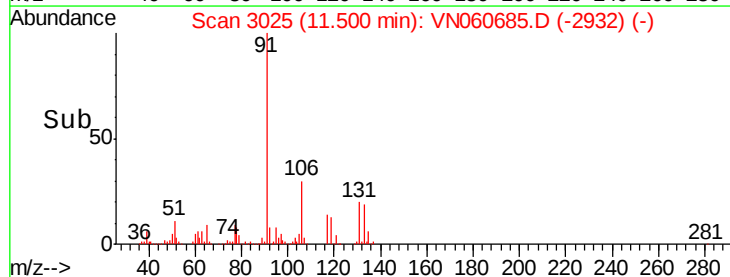
Abundance Ion 130.80 (130.50 to 131.50): V

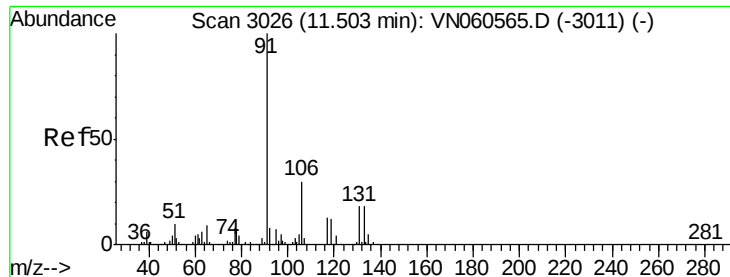
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





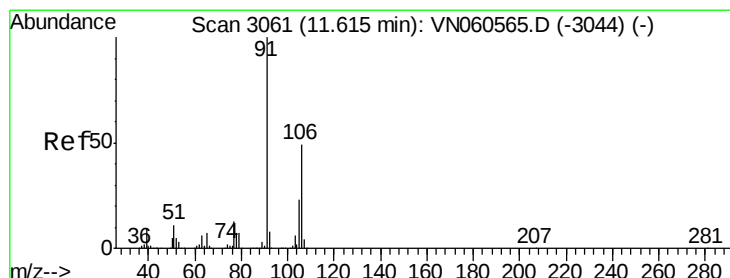
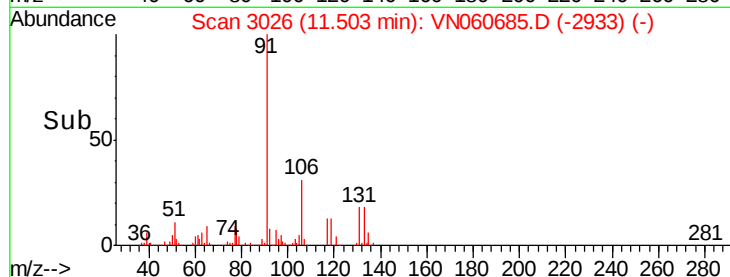
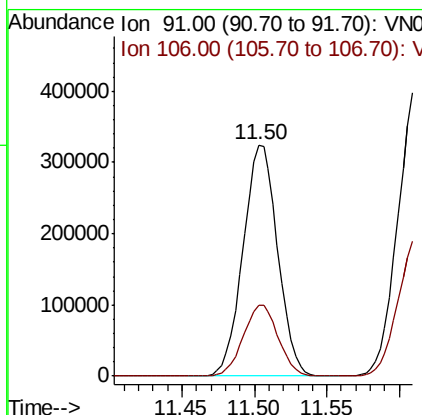
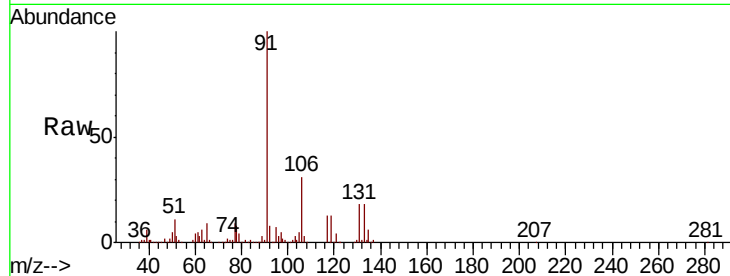
#67
Ethyl Benzene
Concen: 49.380 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 538957
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2

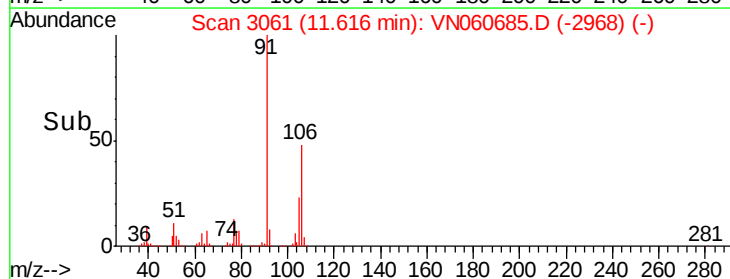
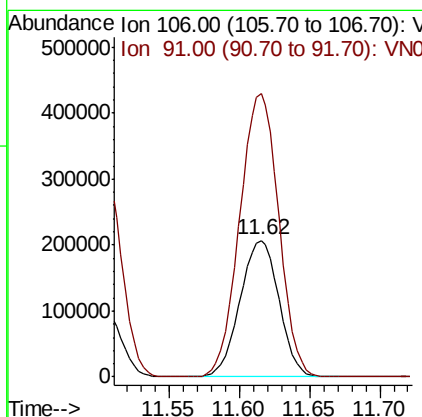
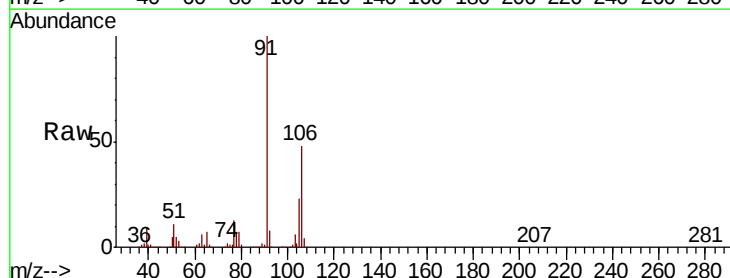
Manual Integrations
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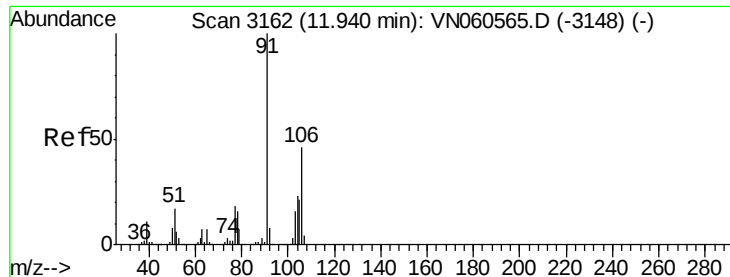
MMDadoda
3/25/2020 10:20:45 PM



#68
m/p-Xylenes
Concen: 98.685 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 106 Resp: 400251
Ion Ratio Lower Upper
106 100
91 208.1 165.0 247.4





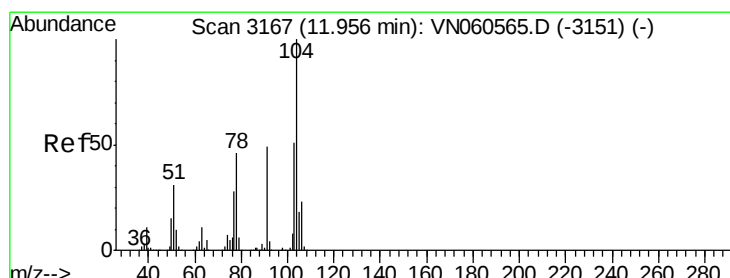
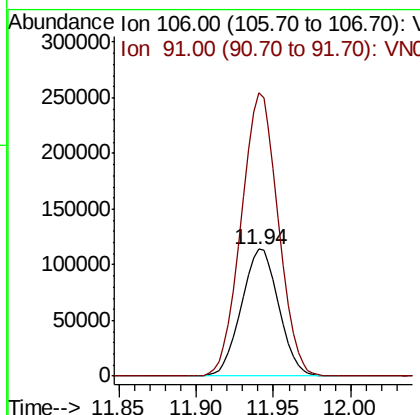
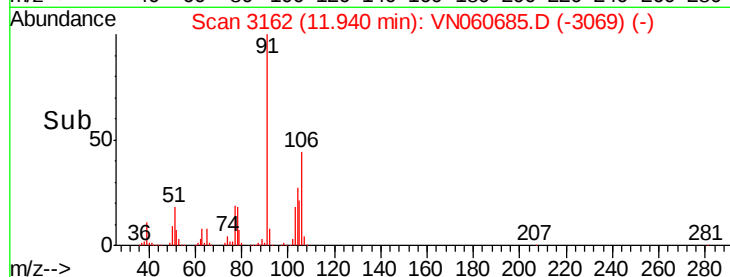
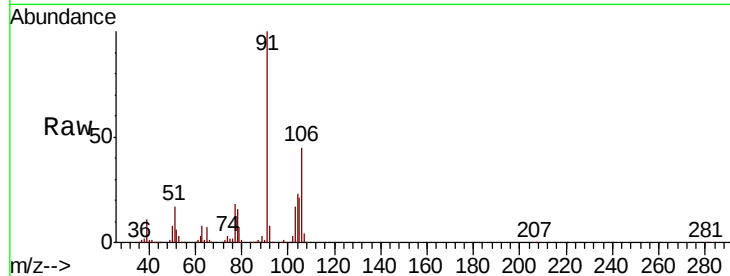
#69
o-Xylene
Concen: 49.521 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	220.4	109.5	328.4	

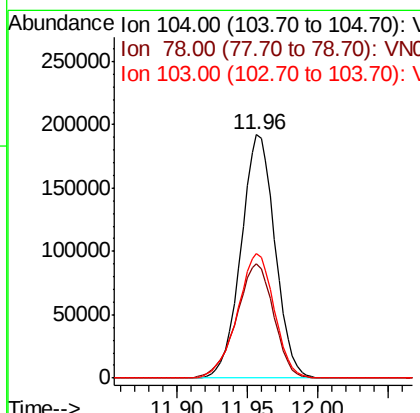
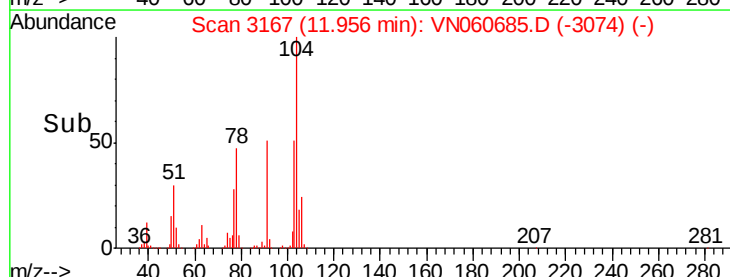
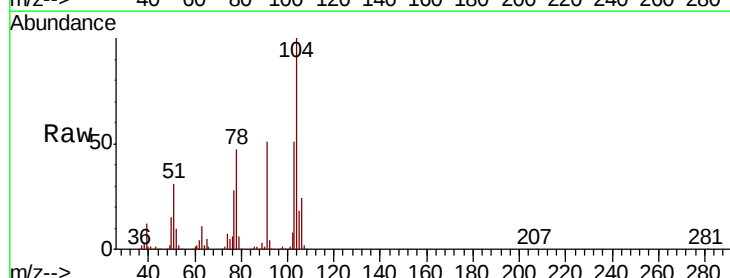
Manual Integrations
APPROVED

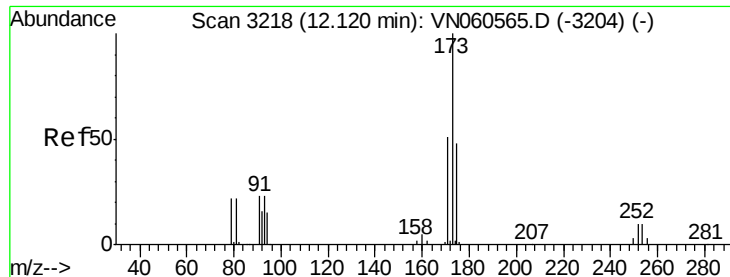
MMDadoda
3/25/2020 10:20:45 PM



#70
Styrene
Concen: 51.248 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.4	41.2	61.8	
103	55.3	44.0	66.0	





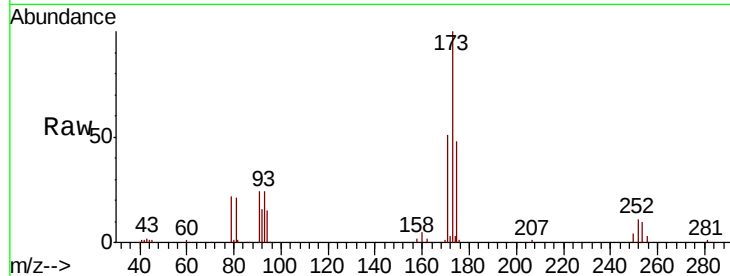
#71
Bromoform
Concen: 48.489 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
3/25/2020 10:20:45 PM

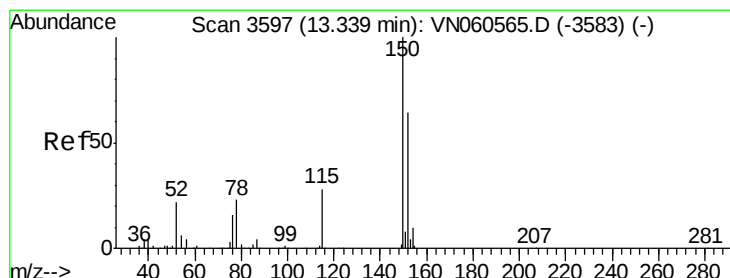
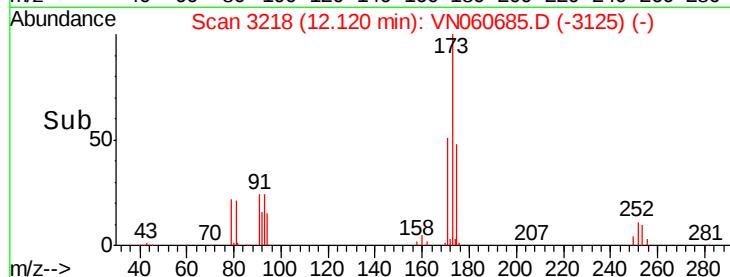
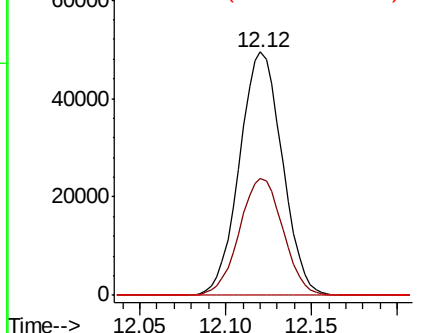


Abundance

Ion 172.70 (172.40 to 173.40): V

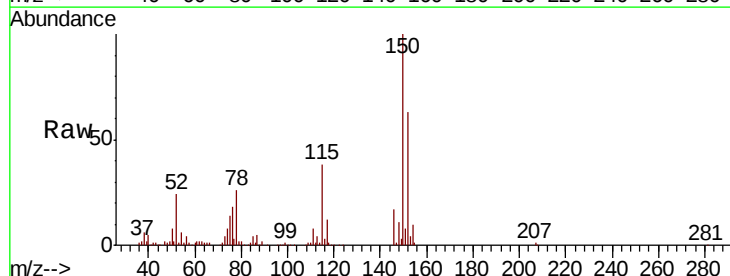
Ion 174.70 (174.40 to 175.40): V

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: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.2	90.6
150	172.5	0.0	350.2

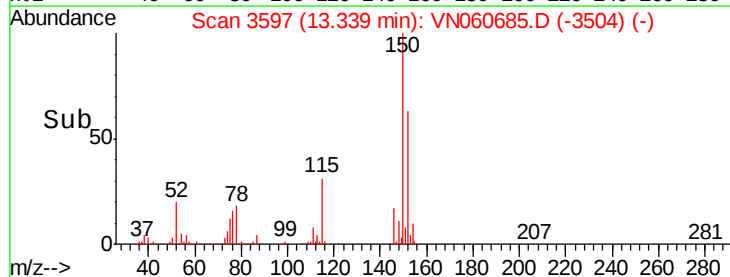
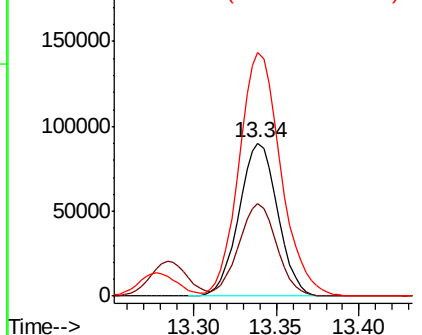


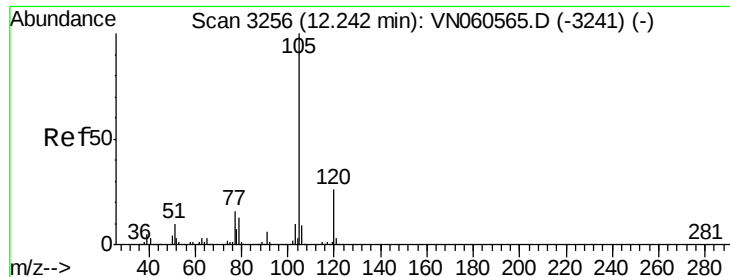
Abundance

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: 46.977 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 513623

Ion Ratio Lower Upper

105 100

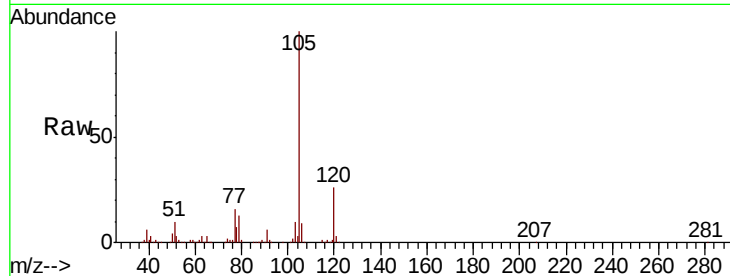
120 25.9 13.1 39.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

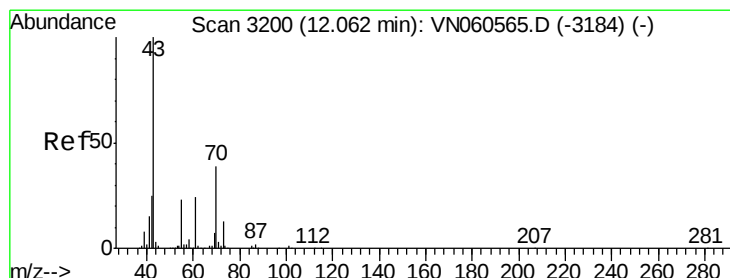
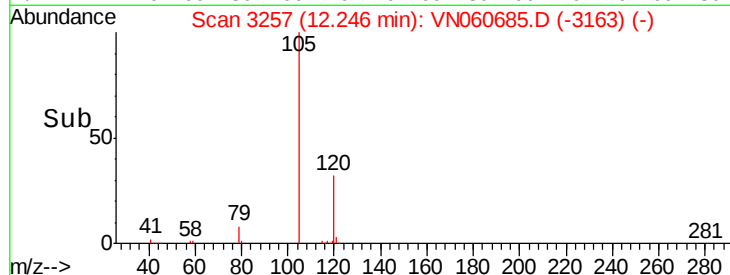
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 50.625 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion: 43 Resp: 255770

Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.1 18.6 27.8

61 22.9 18.9 28.3

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

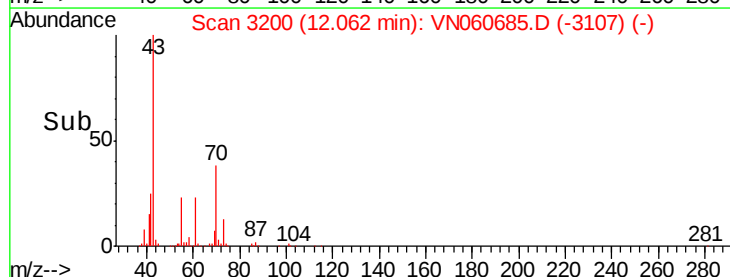
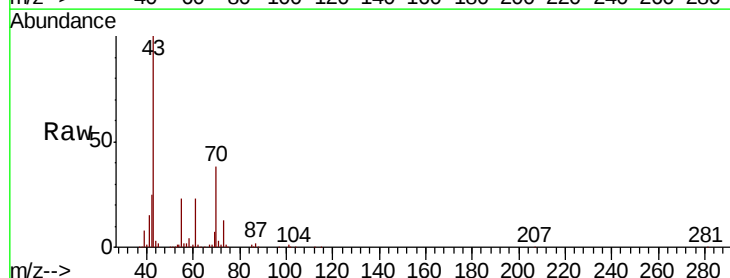
150000

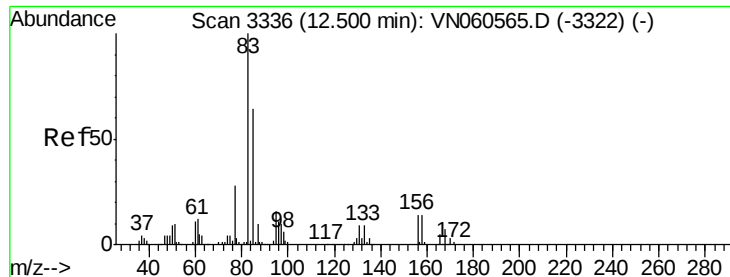
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.690 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

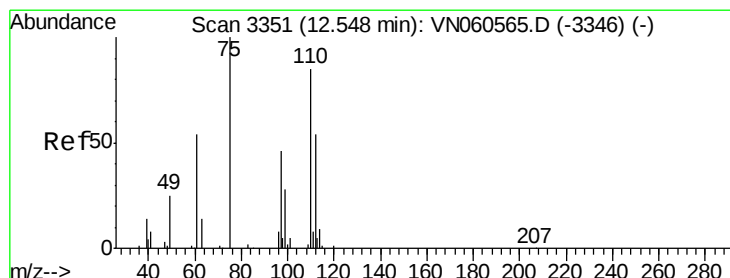
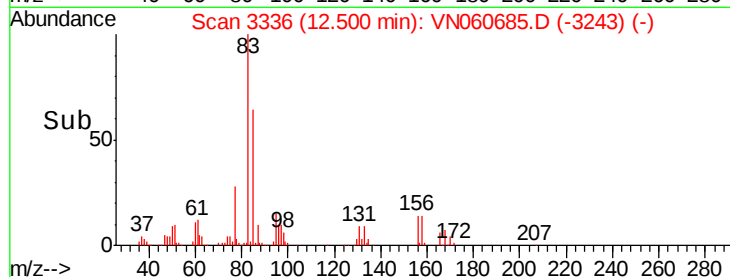
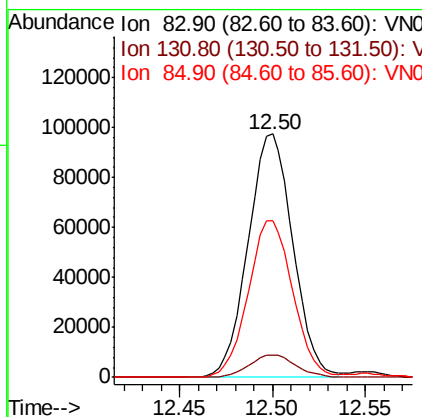
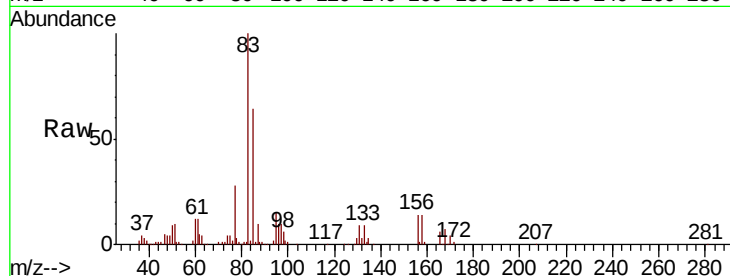
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164292
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.1	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.755 ug/l m

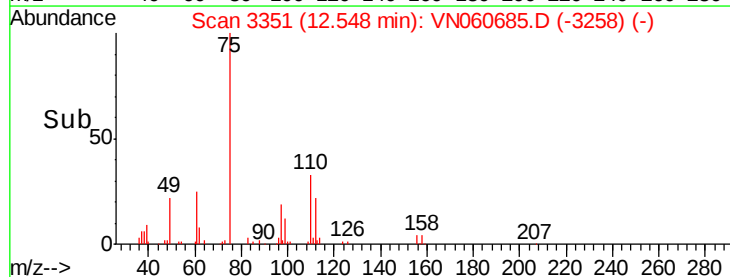
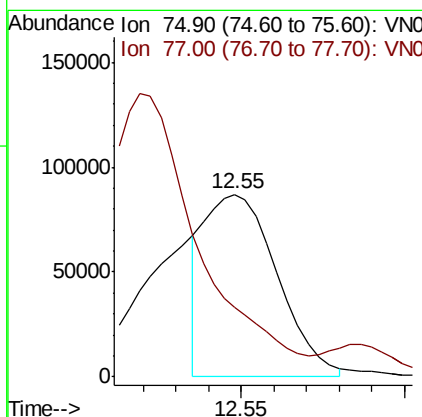
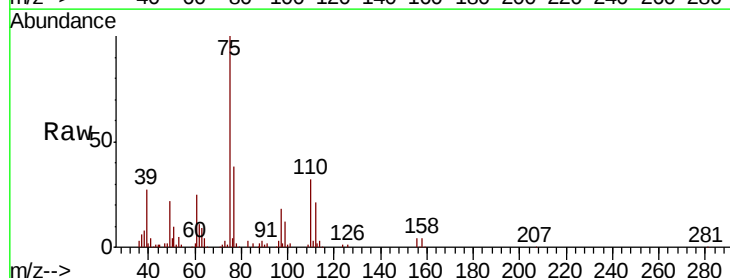
RT: 12.55 min Scan# 3351

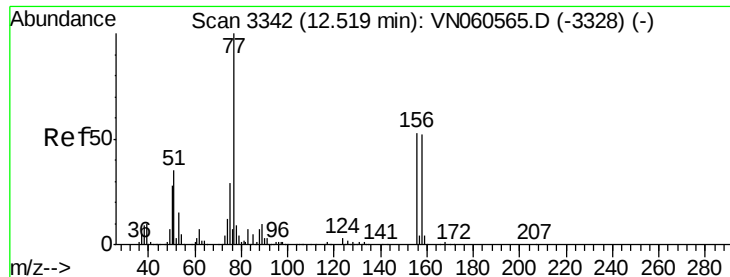
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	75	Resp:	134407
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.324 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 124678

Ion Ratio Lower Upper

156 100

77 223.1 112.3 337.0

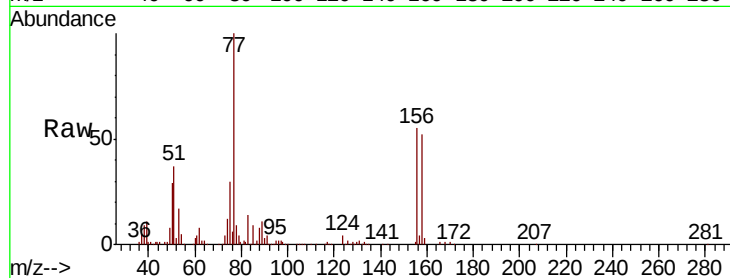
158 96.7 48.6 145.8

Manual Integrations

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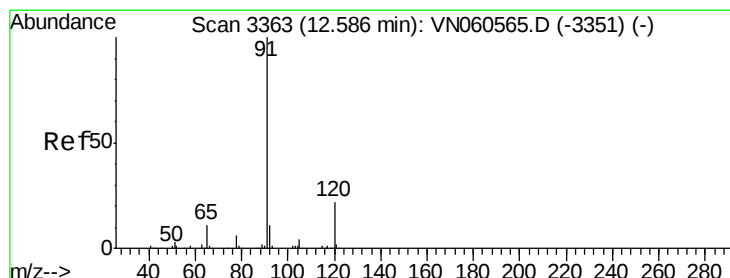
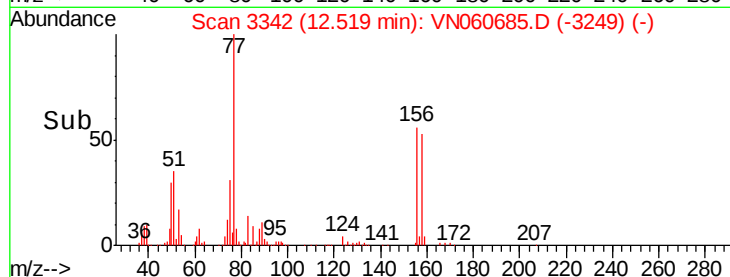
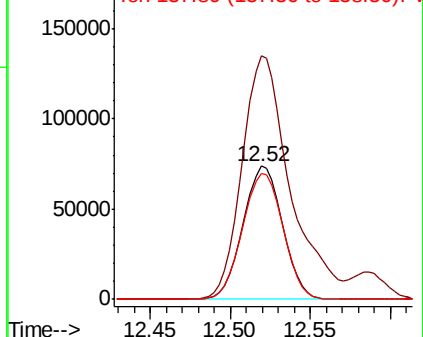
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.264 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060685.D

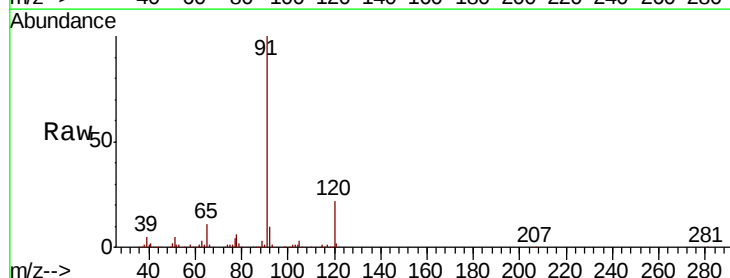
Acq: 24 Mar 2020 20:09

Tgt Ion: 91 Resp: 610519

Ion Ratio Lower Upper

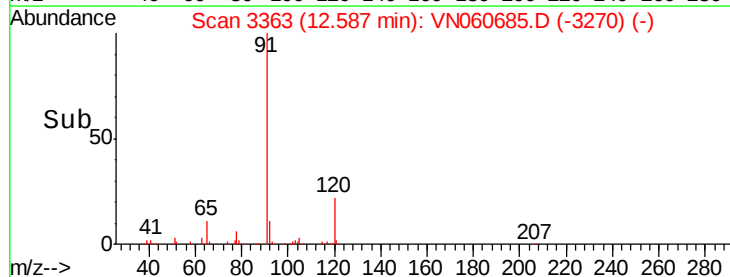
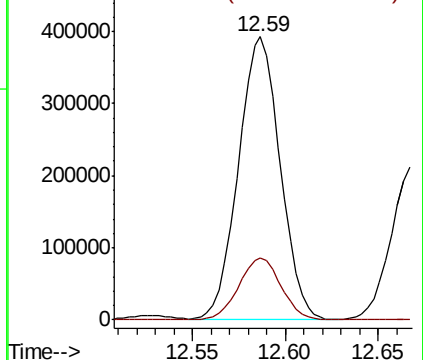
91 100

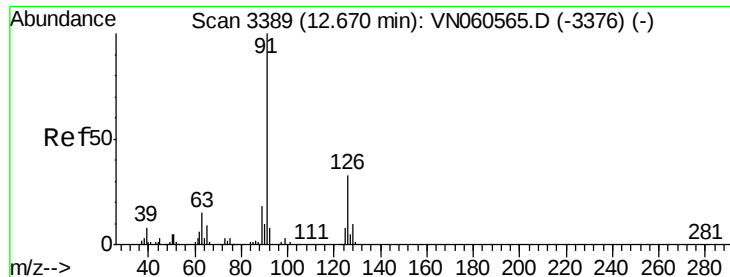
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.113 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 355900

Ion Ratio Lower Upper

91 100

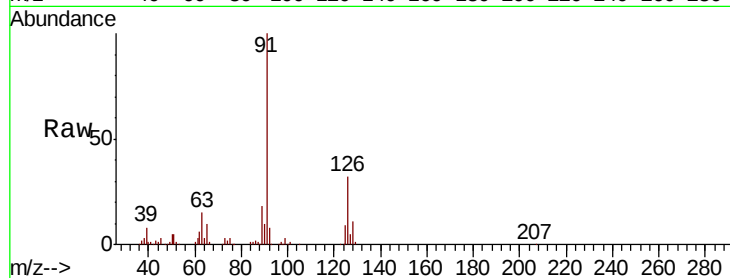
126 32.4 16.4 49.1

Manual Integrations

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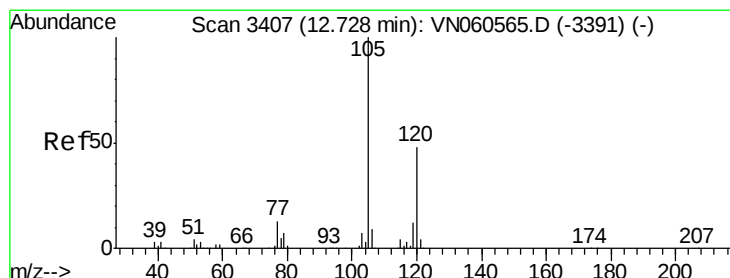
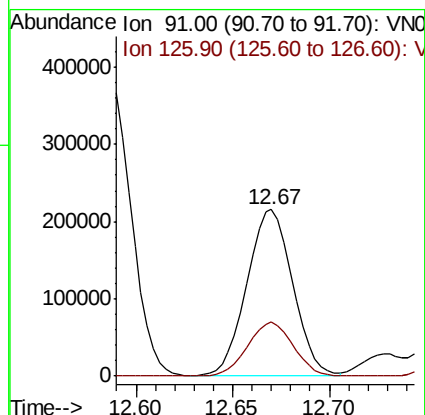
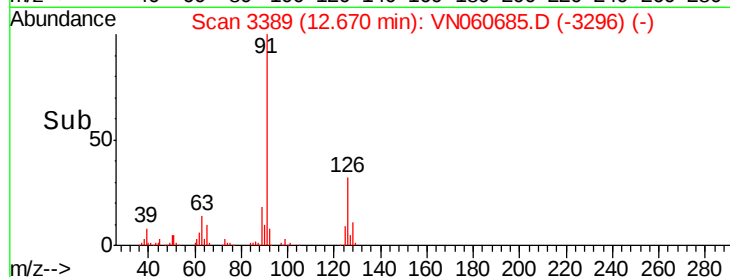
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Abundance Ion 91.00 (90.70 to 91.70): VN060685.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060685.D (-3376) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.061 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060685.D

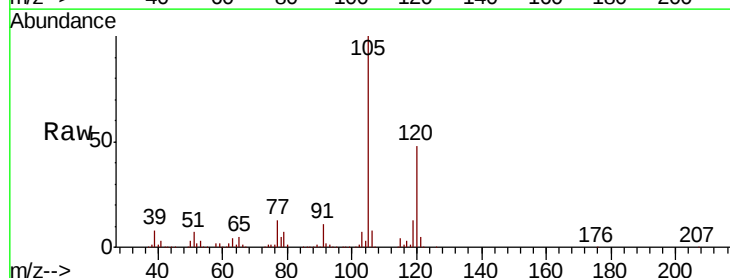
Acq: 24 Mar 2020 20:09

Tgt Ion: 105 Resp: 436651

Ion Ratio Lower Upper

105 100

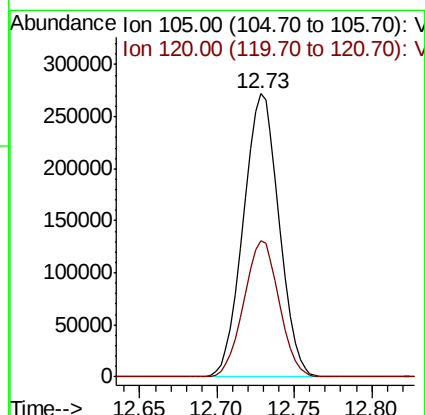
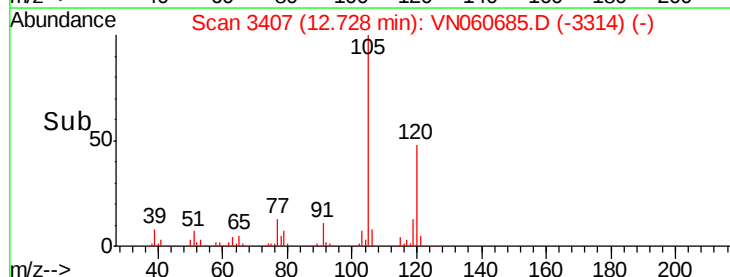
120 47.7 23.9 71.7

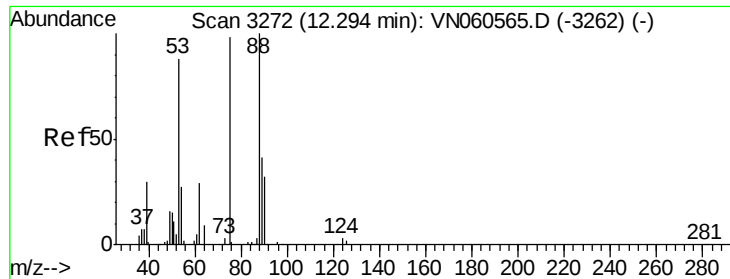


Abundance Ion 105.00 (104.70 to 105.70): VN060685.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060685.D (-3391) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.941 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 58682

Ion Ratio Lower Upper

75 100

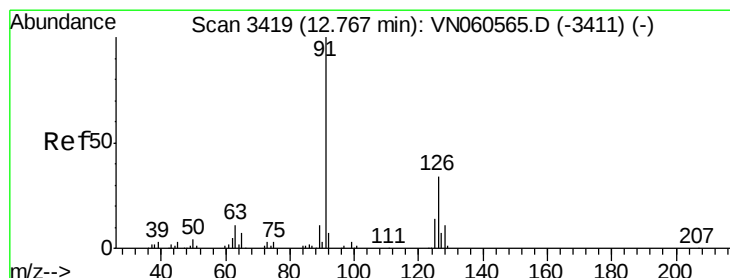
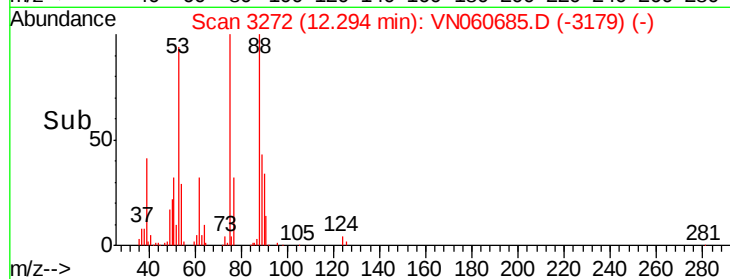
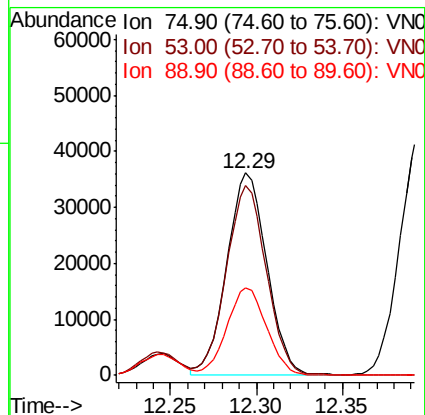
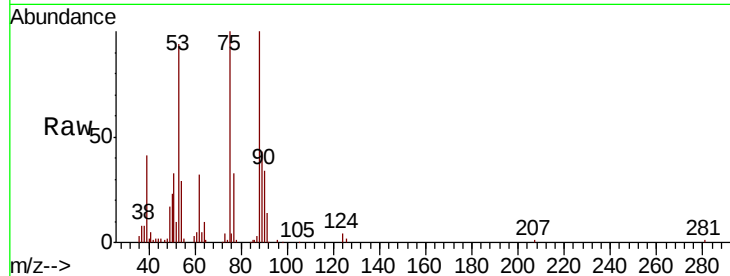
53 93.9 73.0 109.4

89 42.8 34.8 52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.433 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060685.D

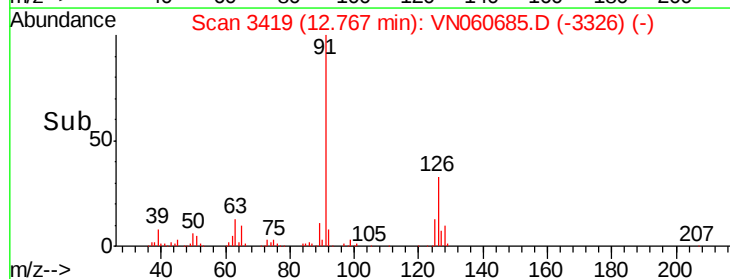
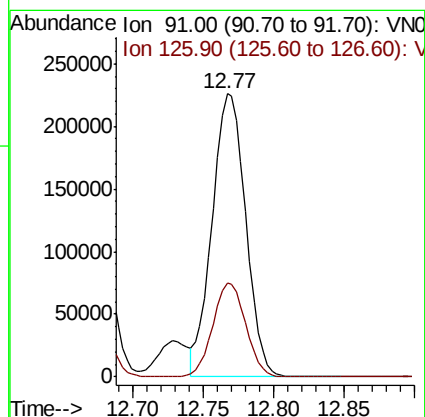
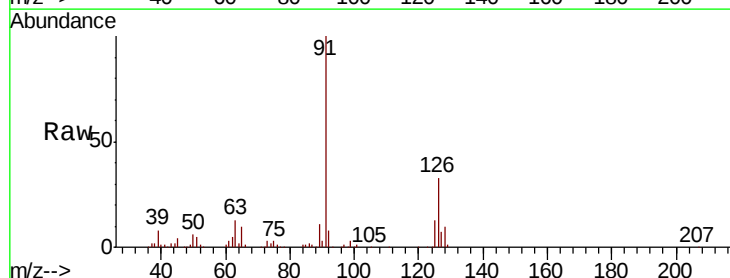
Acq: 24 Mar 2020 20:09

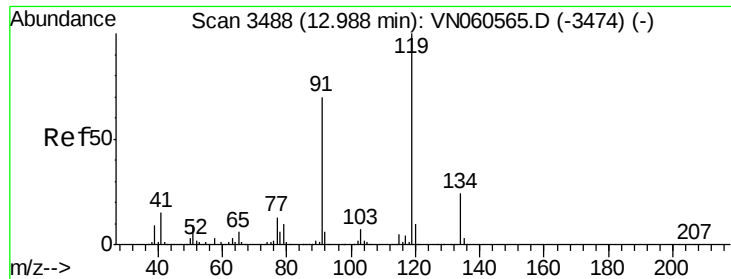
Tgt Ion: 91 Resp: 372855

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5





#83

tert-Butylbenzene

Concen: 47.183 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

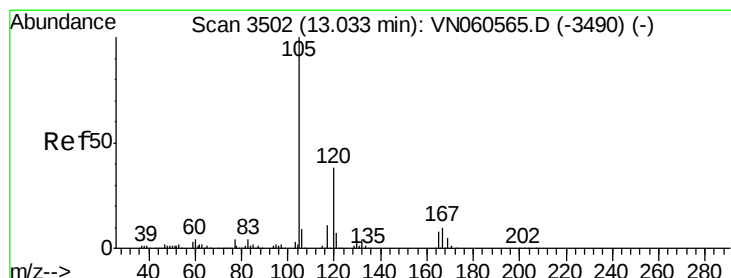
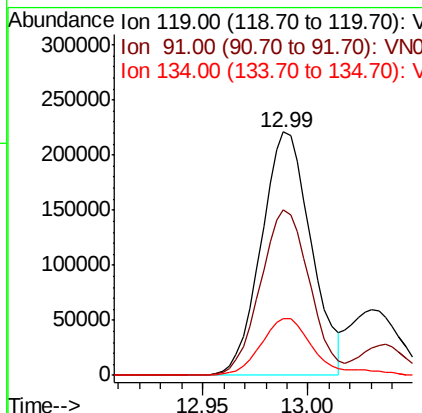
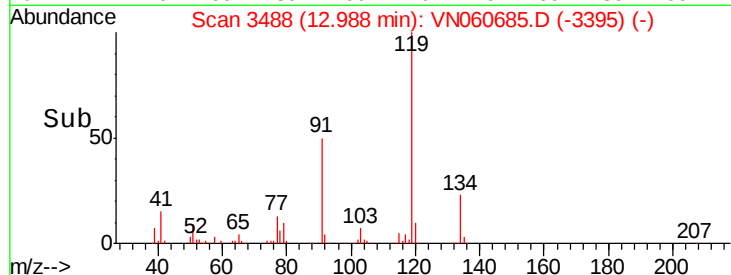
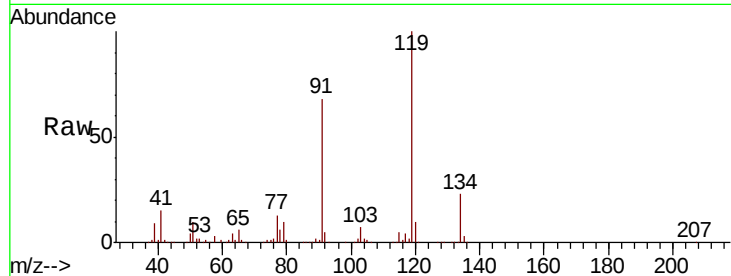
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	362906
Ion Ratio	Lower	Upper	
119	100		
91	67.3	34.0	101.8
134	25.0	12.7	38.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.034 ug/l

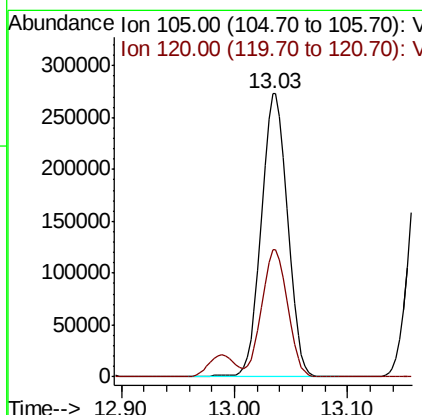
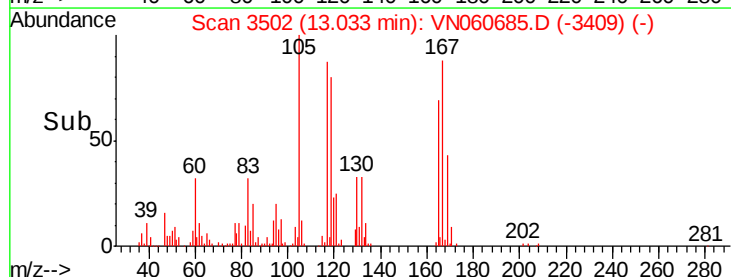
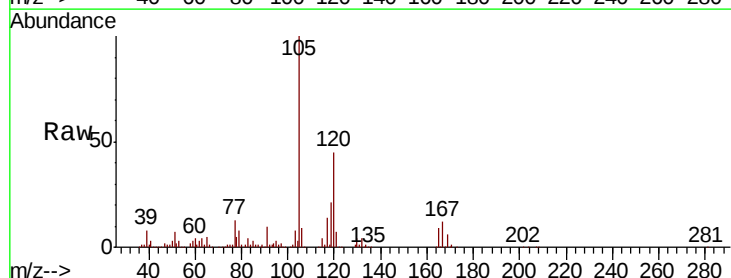
RT: 13.03 min Scan# 3502

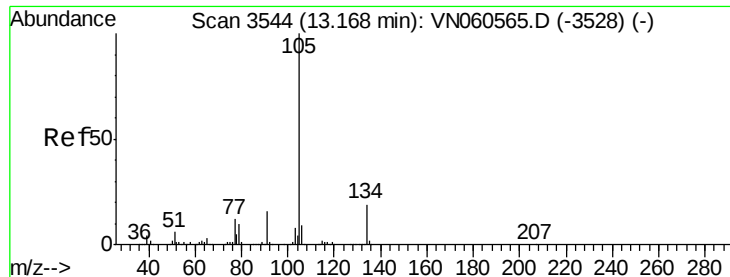
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	105	Resp:	440913
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 47.390 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 490147

Ion Ratio Lower Upper

105 100

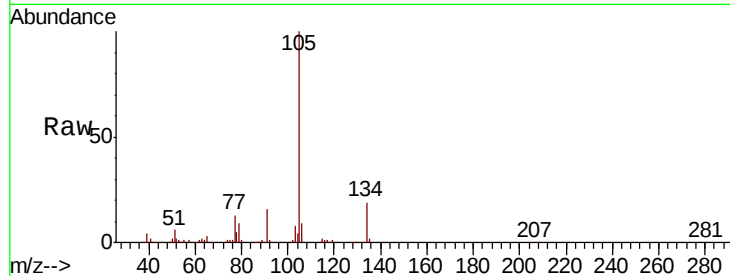
134 19.0 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

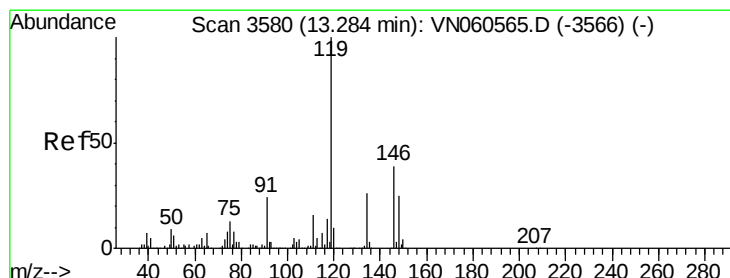
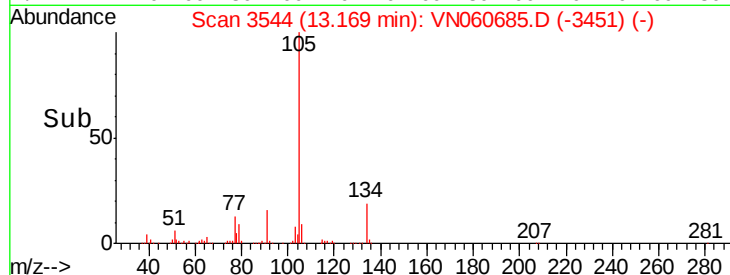
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.240 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

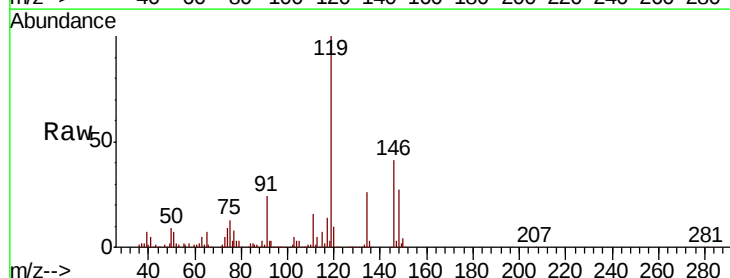
Tgt Ion:119 Resp: 439354

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

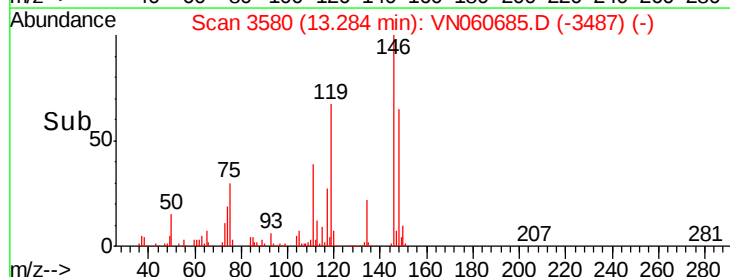
300000

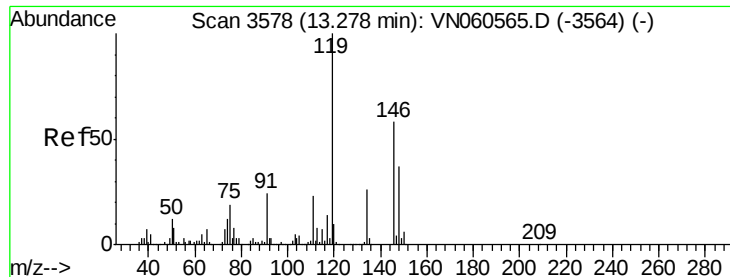
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.215 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060685.D

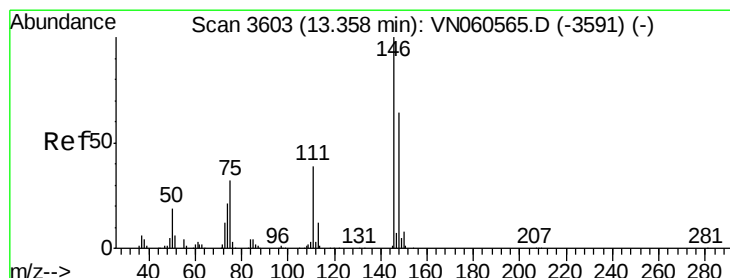
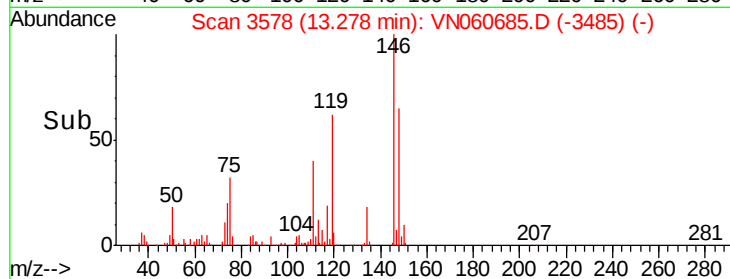
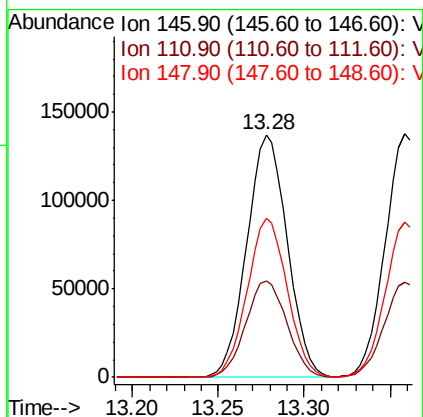
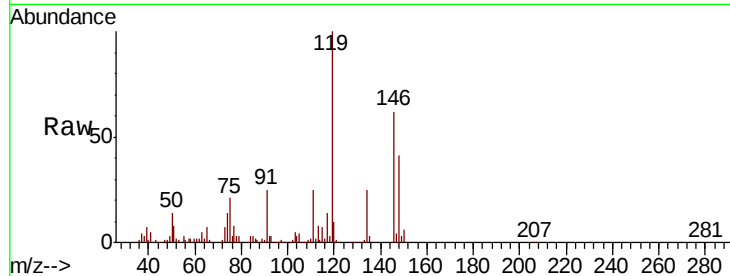
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.6	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.161 ug/l

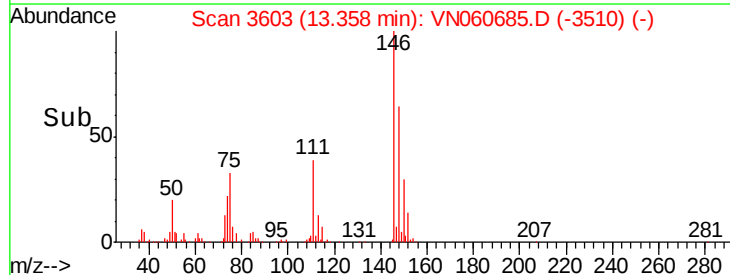
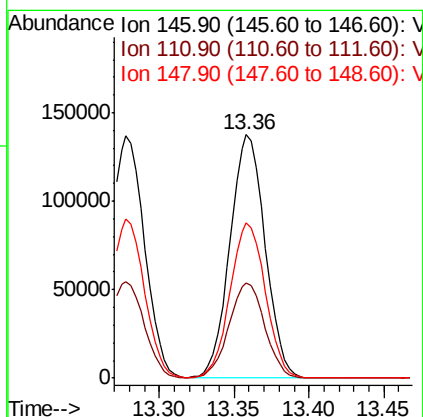
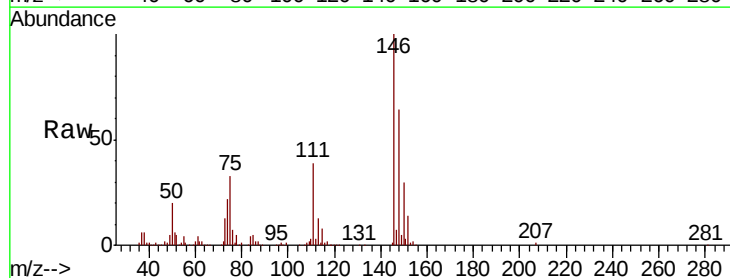
RT: 13.36 min Scan# 3603

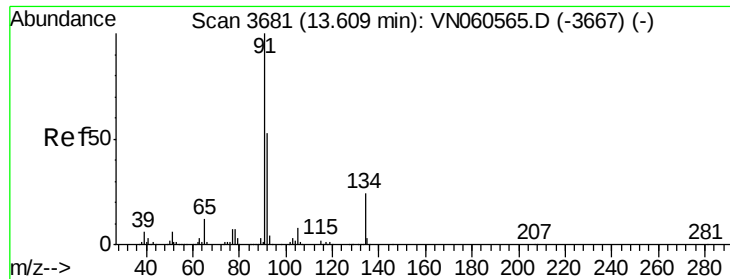
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.1	32.1	96.3





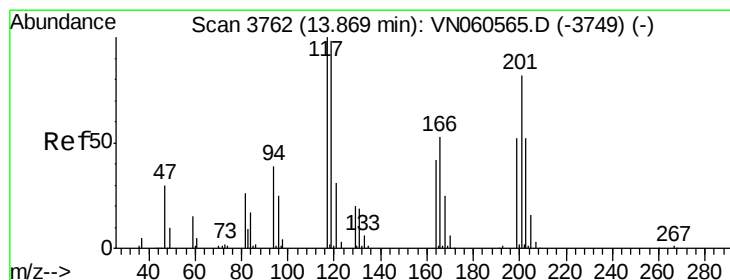
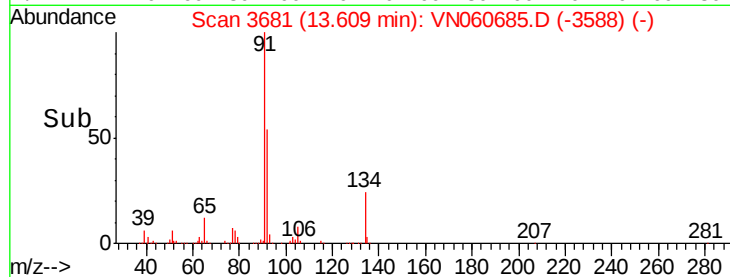
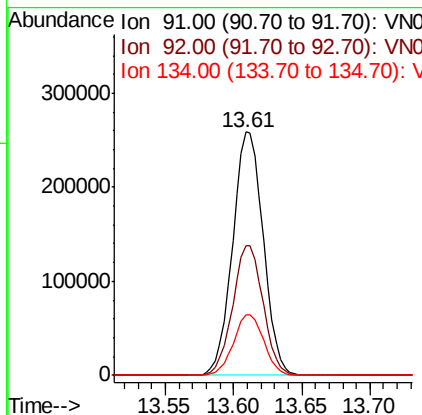
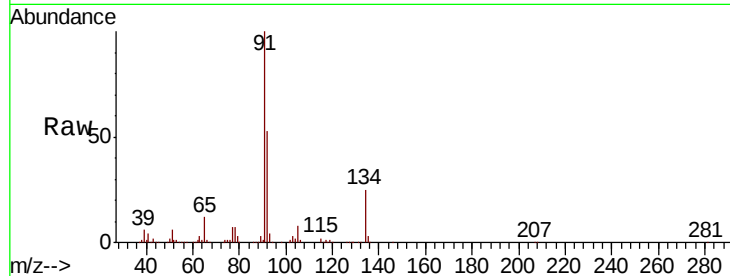
#89
n-Butylbenzene
Concen: 47.933 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		402492		
92	52.8	26.2		78.5	
134	24.7	12.3		36.9	

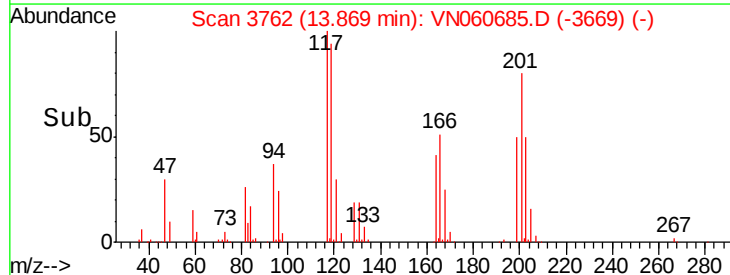
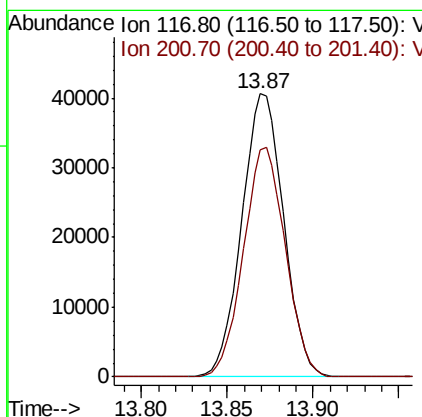
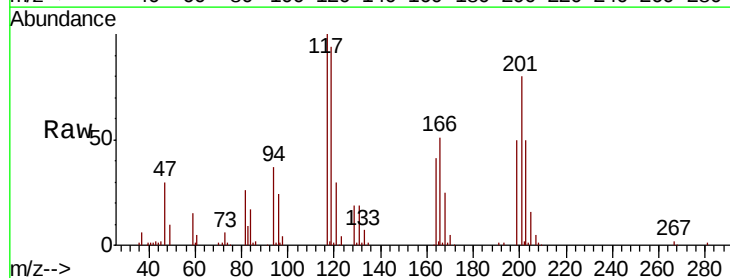
Manual Integrations
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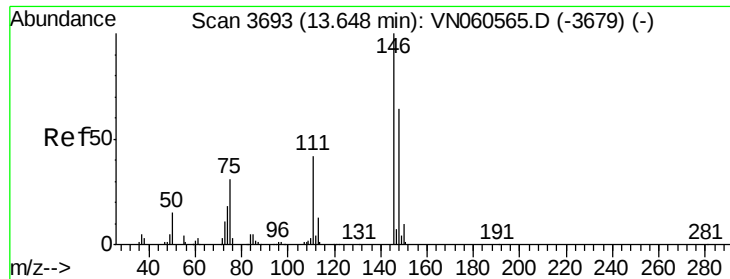
MMDadoda
3/25/2020 10:20:45 PM



#90
Hexachloroethane
Concen: 50.734 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		68588		
201	81.1	40.8		122.5	





#91

1,2-Dichlorobenzene

Concen: 49.300 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

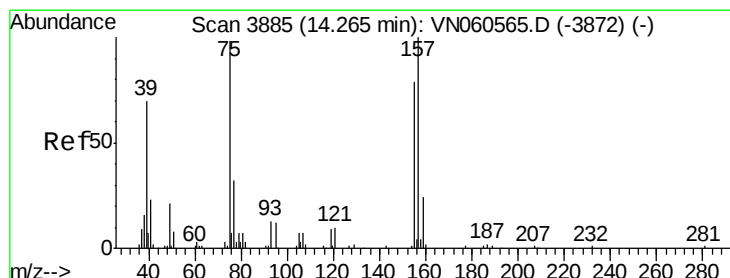
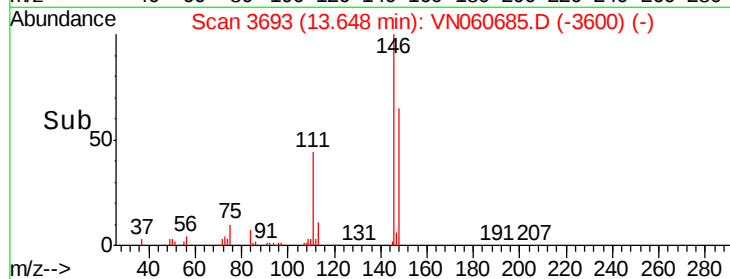
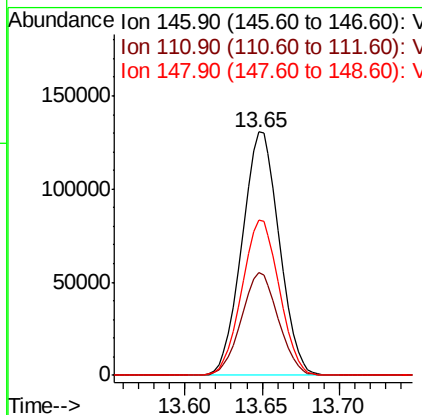
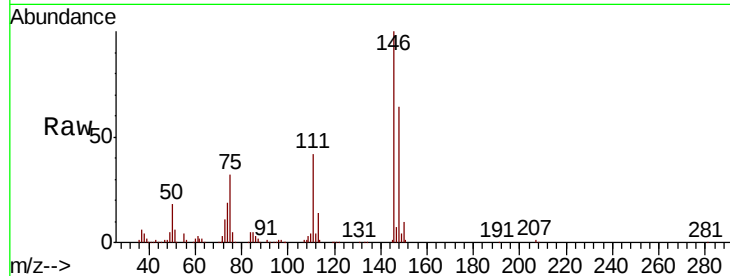
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	219043
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.0	63.0
148	64.1	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.934 ug/l

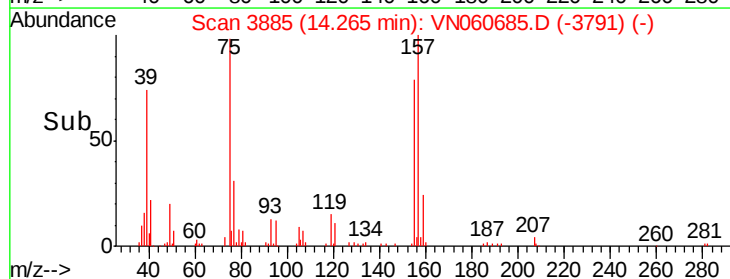
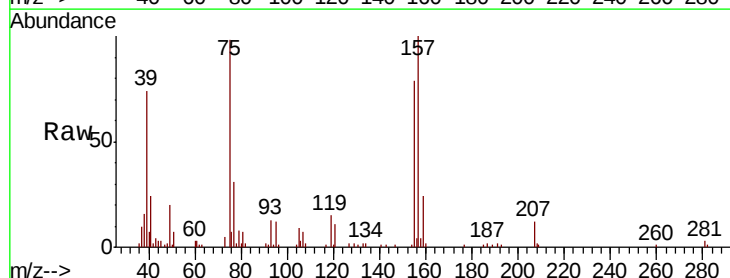
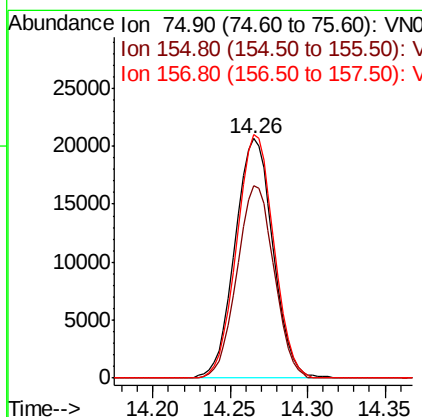
RT: 14.26 min Scan# 3885

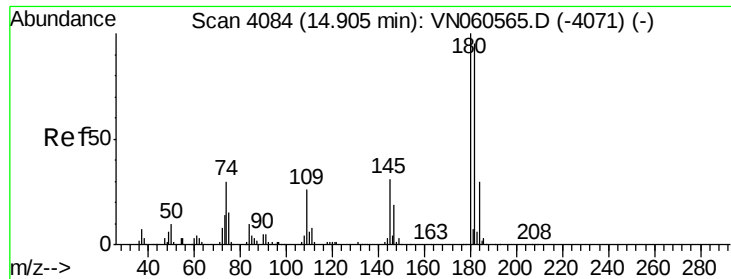
Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion:	75	Resp:	35270
Ion Ratio	Lower	Upper	
75	100		
155	78.2	40.7	122.1
157	99.0	51.5	154.7





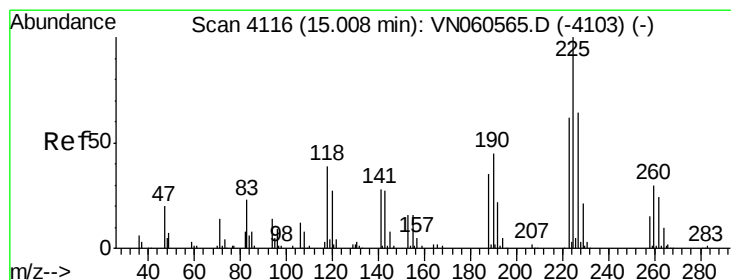
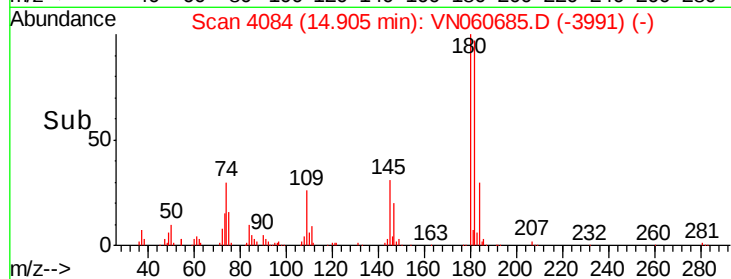
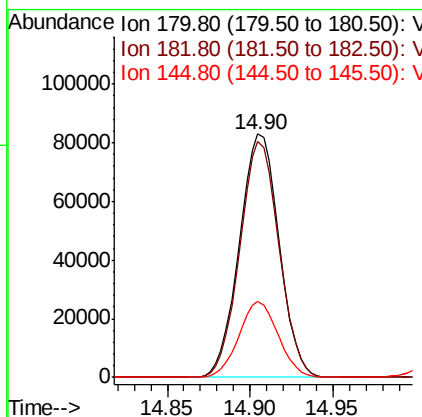
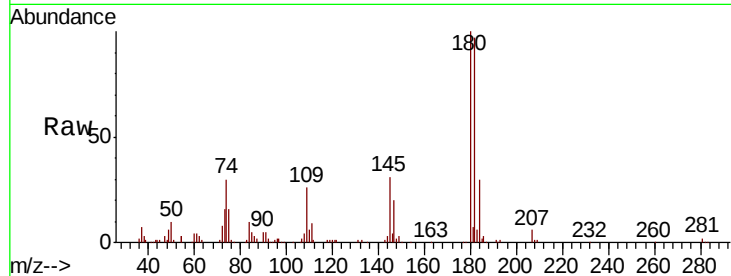
#93
 1,2,4-Trichlorobenzene
 Concen: 50.631 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	30.7	15.4	46.2

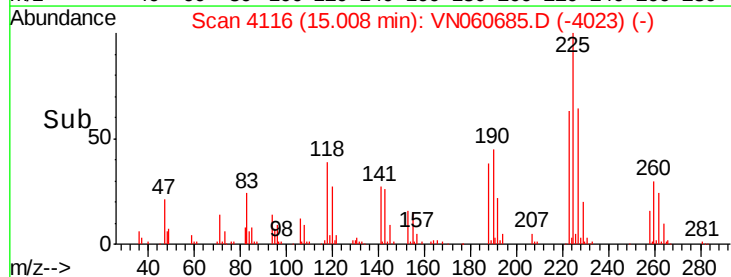
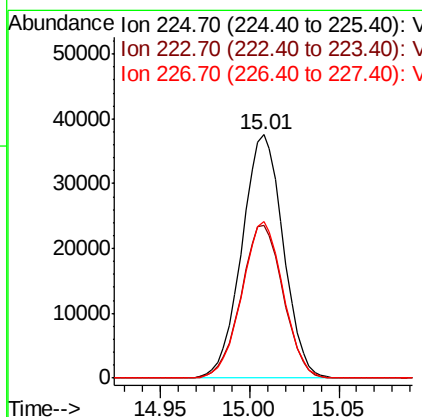
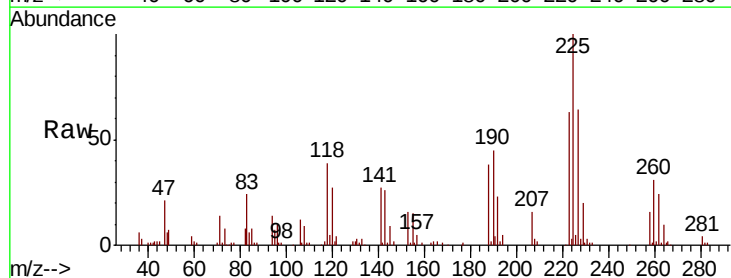
Manual Integrations
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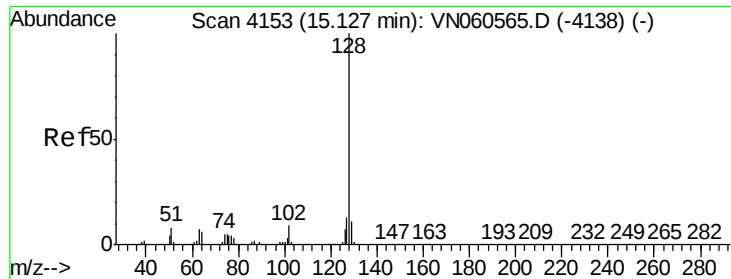
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#94
 Hexachlorobutadiene
 Concen: 45.381 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.6	95.0
227	64.1	32.3	96.8





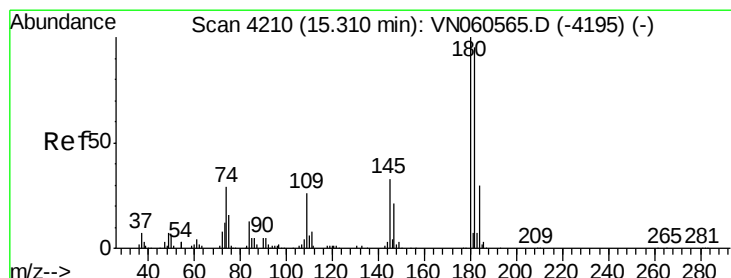
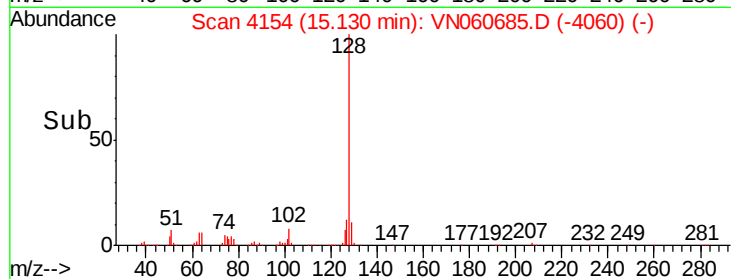
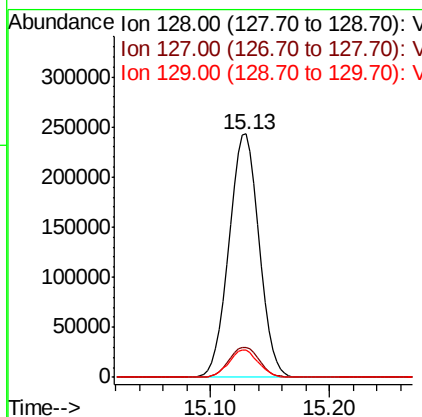
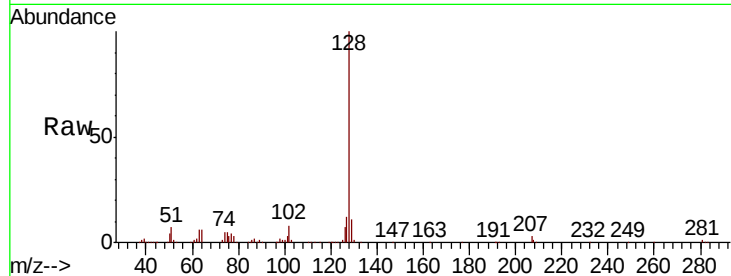
#95
Naphthalene
Concen: 51.939 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.459 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.6
145	31.6	16.3	48.8

