

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060950.D
 Acq On : 15 Apr 2020 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:48 AM

Quant Time: Apr 16 06:59:33 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	137742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	225560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	208214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	100042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97068	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.56	113	72654	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
50) Toluene-d8	10.08	98	287346	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.39	95	109546	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61934	46.470	ug/l	99
3) Chloromethane	2.04	50	108372	43.537	ug/l	99
4) Vinyl Chloride	2.17	62	87889	45.142	ug/l	98
5) Bromomethane	2.54	94	44665	53.143	ug/l	98
6) Chloroethane	2.68	64	56295	50.195	ug/l	100
7) Trichlorofluoromethane	3.00	101	120974	50.441	ug/l	100
8) Diethyl Ether	3.38	74	51703	53.664	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74379	53.521	ug/l	99
10) Methyl Iodide	3.92	142	54133	43.776	ug/l	99
11) Tert butyl alcohol	4.72	59	70551	253.699	ug/l	99
12) 1,1-Dichloroethene	3.71	96	73192	49.079	ug/l	97
13) Acrolein	3.57	56	97632	316.776	ug/l	99
14) Allyl chloride	4.29	41	137833	52.550	ug/l	98
15) Acrylonitrile	4.94	53	223778	273.652	ug/l	100
16) Acetone	3.77	43	261489	390.404	ug/l	99
17) Carbon Disulfide	4.03	76	194707	42.929	ug/l	99
18) Methyl Acetate	4.28	43	108508	57.555	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	271448	52.942	ug/l	97
20) Methylene Chloride	4.52	84	84596	51.343	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	78952	49.674	ug/l	97
22) Diisopropyl ether	5.91	45	313569	56.587	ug/l	98
23) Vinyl Acetate	5.85	43	1276557	282.342	ug/l	99
24) 1,1-Dichloroethane	5.81	63	163632	54.167	ug/l	99
25) 2-Butanone	6.79	43	343565	316.990	ug/l	97
26) 2,2-Dichloropropane	6.79	77	139547	58.712	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	93652	51.851	ug/l	96
28) Bromochloromethane	7.16	49	82912	57.366	ug/l	95
29) Tetrahydrofuran	7.17	42	202218	263.697	ug/l	98
30) Chloroform	7.34	83	155462	53.682	ug/l	99
31) Cyclohexane	7.63	56	146393	48.069	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	131132	52.525	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118707	54.350	ug/l	99
37) Ethyl Acetate	6.89	43	126784	53.722	ug/l	99
38) Carbon Tetrachloride	7.75	117	103730	52.990	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	138371	53.311	ug/l	97
40) Benzene	8.01	78	353292	53.583	ug/l	99
41) Methacrylonitrile	7.14	41	55862m	55.464	ug/l	
42) 1,2-Dichloroethane	8.10	62	123744	54.917	ug/l	100
43) Isopropyl Acetate	8.13	43	220343	56.613	ug/l	99
44) Trichloroethene	8.81	130	89031	53.565	ug/l	98
45) 1,2-Dichloropropane	9.10	63	99891	57.416	ug/l	98
46) Dibromomethane	9.19	93	58421	55.544	ug/l	99
47) Bromodichloromethane	9.38	83	125178	57.273	ug/l	99
48) Methyl methacrylate	9.18	41	97260	56.127	ug/l	98
49) 1,4-Dioxane	9.18	88	22547	1094.668	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	641958	289.854	ug/l	99
52) Toluene	10.14	92	215040	54.004	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	145822	58.083	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	156169	56.701	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	85391	55.742	ug/l	99
56) Ethyl methacrylate	10.41	69	138109	57.820	ug/l	98
57) 1,3-Dichloropropane	10.69	76	150017	56.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	331244	279.023	ug/l	99
59) 2-Hexanone	10.74	43	492544	308.726	ug/l	99
60) Dibromochloromethane	10.89	129	89564	56.601	ug/l	99
61) 1,2-Dibromoethane	10.99	107	85338	55.400	ug/l	99
64) Tetrachloroethene	10.62	164	81643	49.829	ug/l	98
65) Chlorobenzene	11.42	112	223741	54.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	82533	55.225	ug/l	98
67) Ethyl Benzene	11.50	91	420382	54.766	ug/l	100
68) m/p-Xylenes	11.61	106	307938	107.956	ug/l	98
69) o-Xylene	11.94	106	148480	54.528	ug/l	99
70) Styrene	11.96	104	251535	56.481	ug/l	99
71) Bromoform	12.12	173	64237	51.658	ug/l #	100
73) Isopropylbenzene	12.24	105	402090	53.557	ug/l	99
74) N-amyl acetate	12.06	43	191098	55.083	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	125342	55.207	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	109606m	50.774	ug/l	
77) Bromobenzene	12.52	156	93851	51.877	ug/l	97
78) n-propylbenzene	12.59	91	485082	54.688	ug/l	98
79) 2-Chlorotoluene	12.67	91	281198	53.058	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	342298	53.725	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	45896	54.604	ug/l	99
82) 4-Chlorotoluene	12.77	91	296644	54.957	ug/l	99
83) tert-Butylbenzene	12.99	119	286644	54.272	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	341933	54.248	ug/l	100
85) sec-Butylbenzene	13.17	105	393462	55.400	ug/l	99
86) p-Isopropyltoluene	13.28	119	352582	55.208	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	173806	54.472	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	175196	54.651	ug/l	99
89) n-Butylbenzene	13.61	91	337869	58.596	ug/l	100
90) Hexachloroethane	13.87	117	55917	60.234	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	165894	54.374	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24444	51.410	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	105306	56.206	ug/l	100
94) Hexachlorobutadiene	15.01	225	49071	53.427	ug/l	99
95) Naphthalene	15.13	128	296237	52.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	99446	53.888	ug/l	99

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

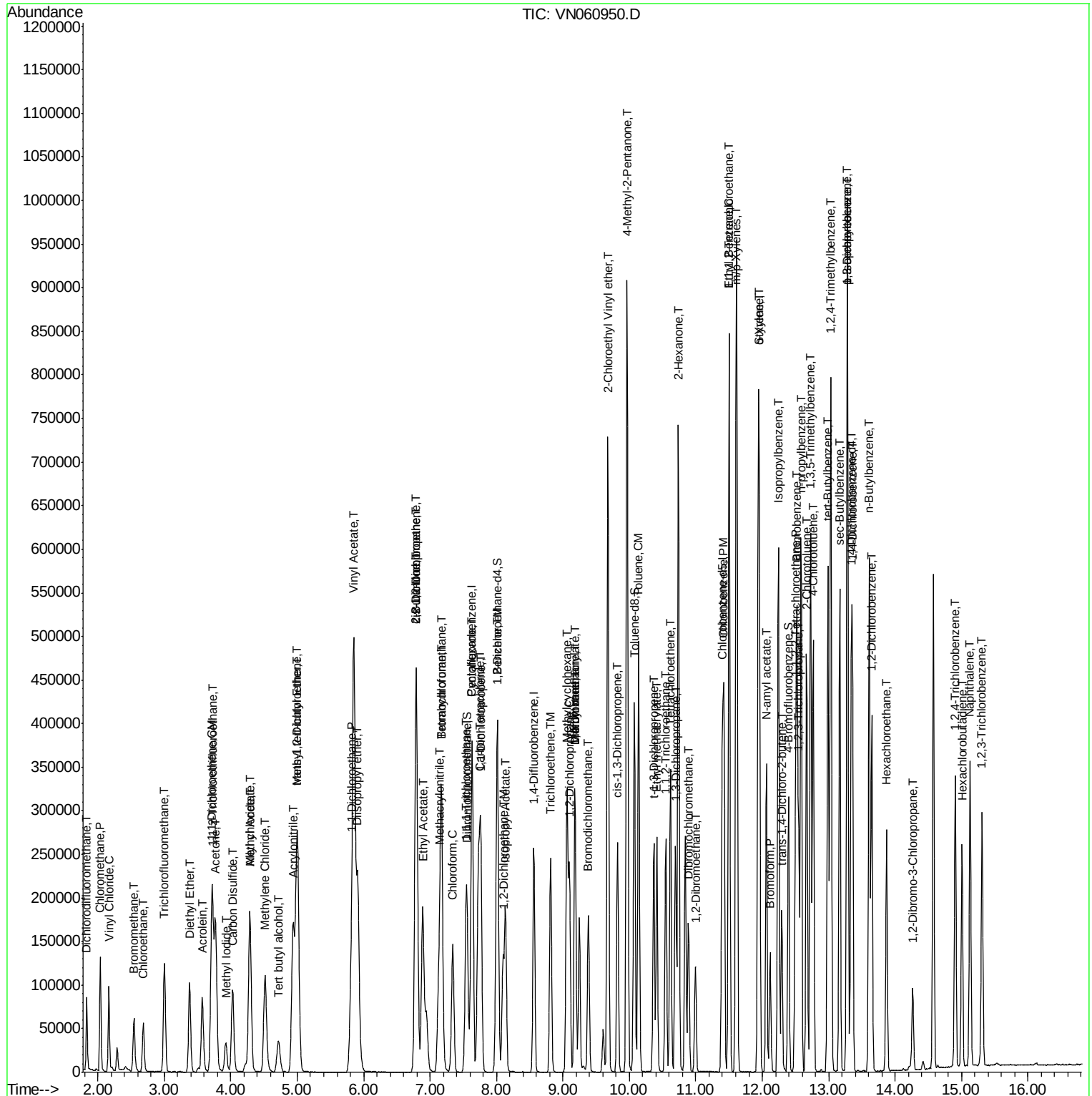
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
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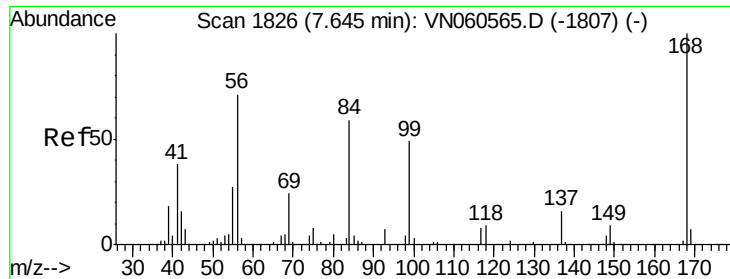
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 137742

Ion Ratio Lower Upper

168 100

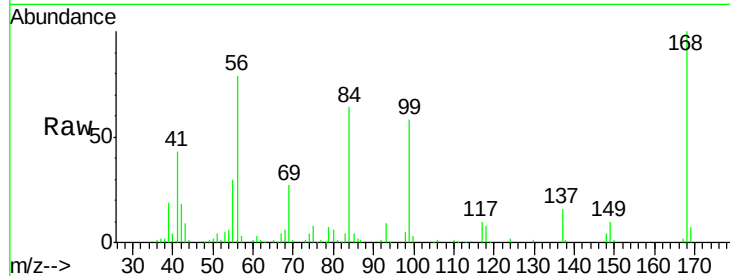
99 57.9 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

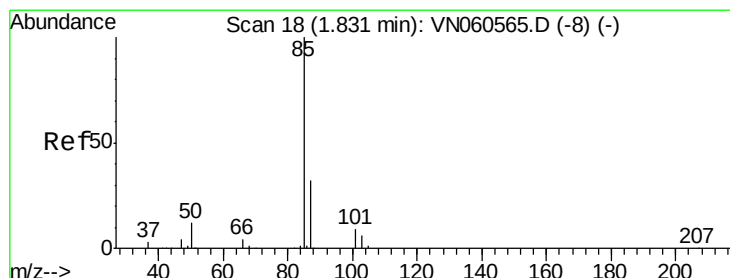
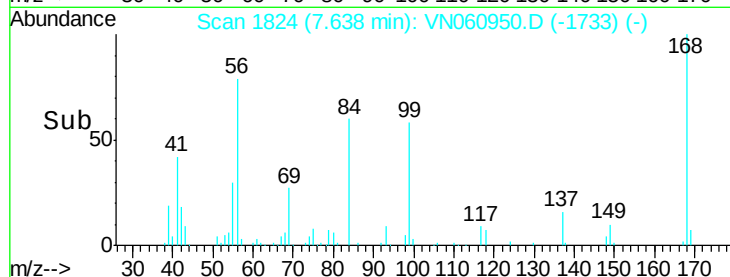
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 46.470 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060950.D

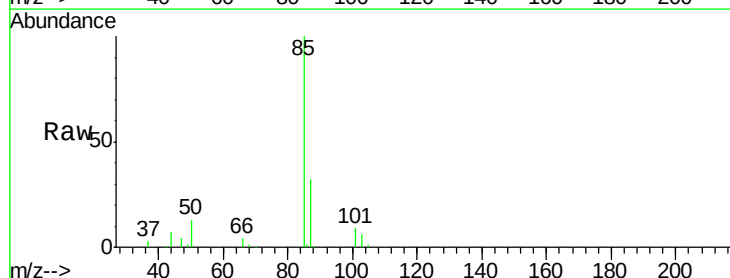
Acq: 15 Apr 2020 10:15

Tgt Ion: 85 Resp: 61934

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

50000

40000

30000

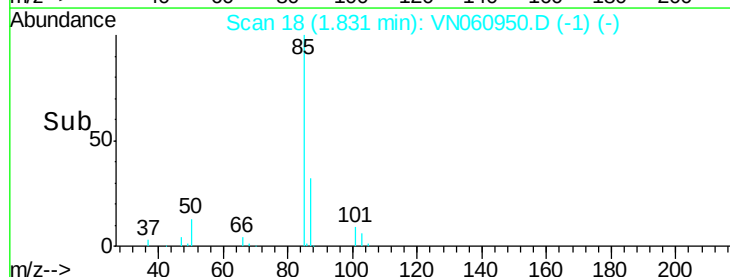
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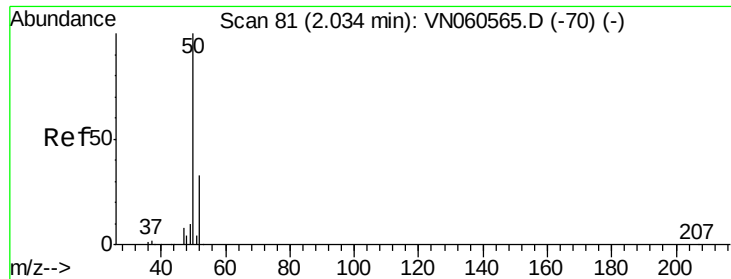
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.537 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 108372

Ion Ratio Lower Upper

50 100

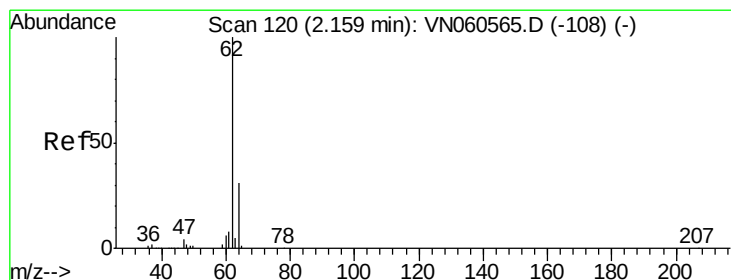
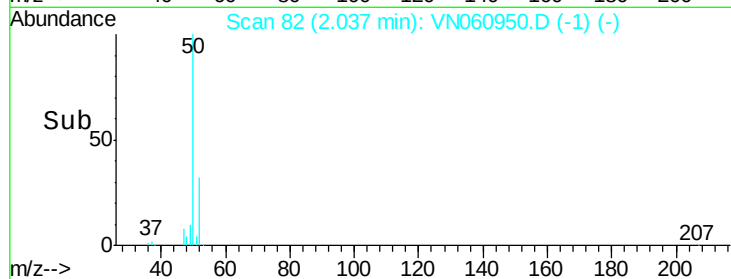
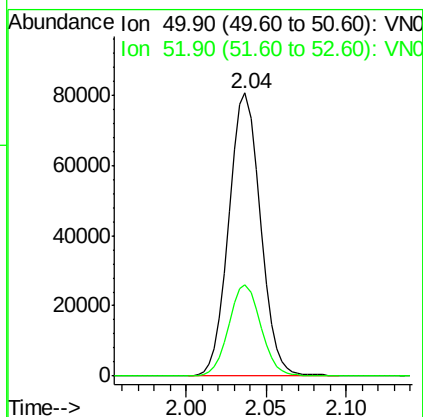
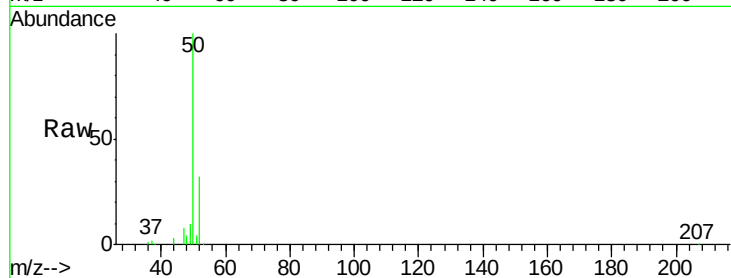
52 32.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.142 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060950.D

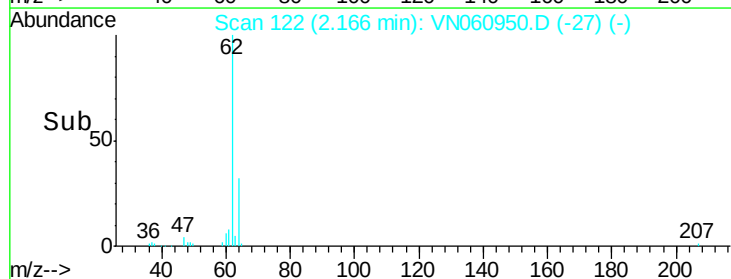
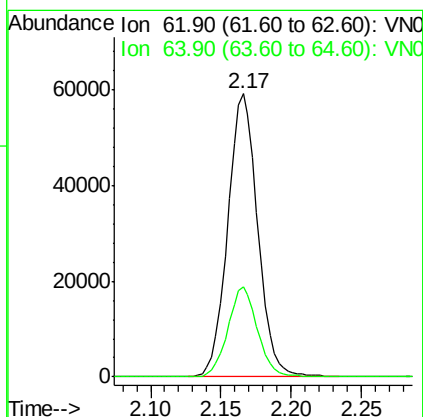
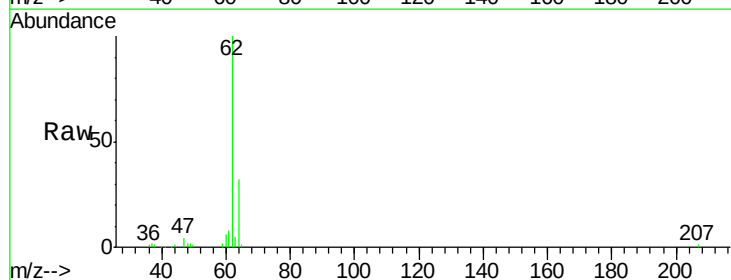
Acq: 15 Apr 2020 10:15

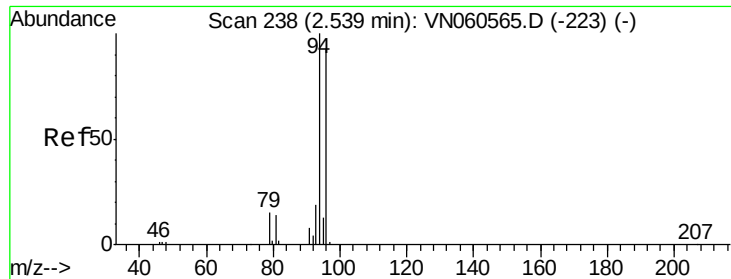
Tgt Ion: 62 Resp: 87889

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 53.143 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 44665

Ion Ratio Lower Upper

94 100

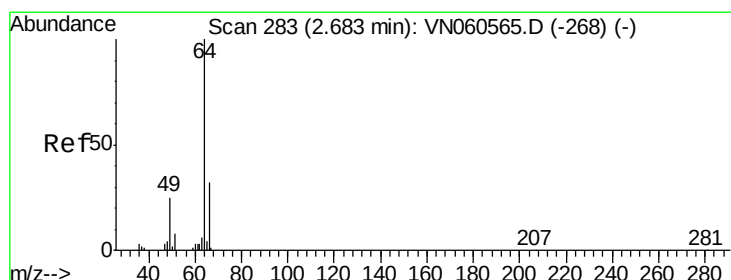
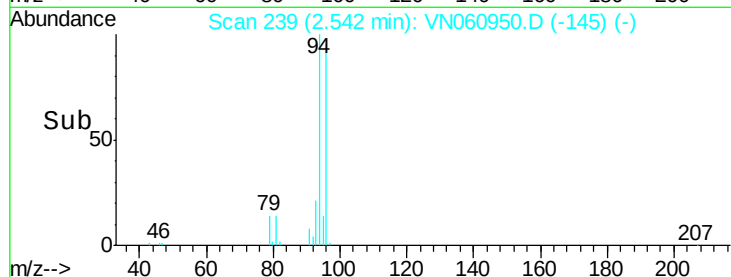
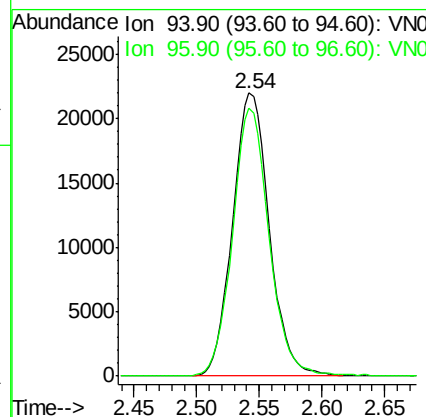
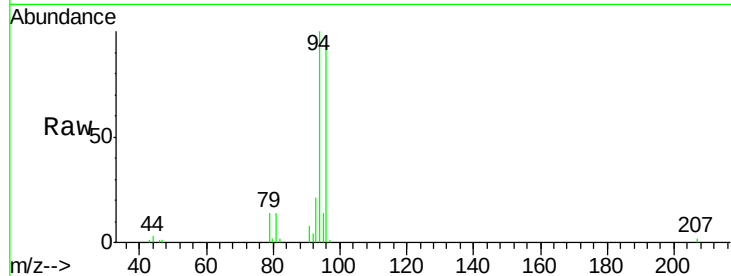
96 94.8 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 50.195 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060950.D

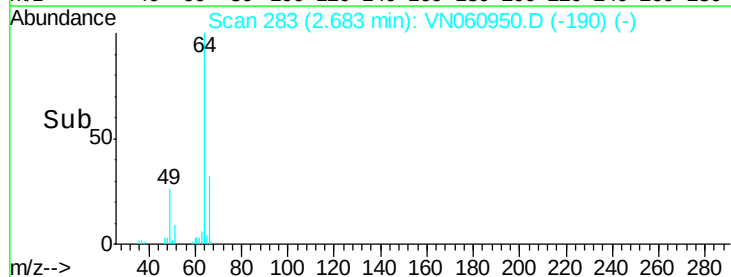
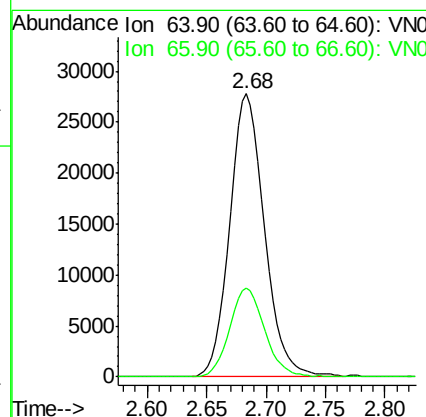
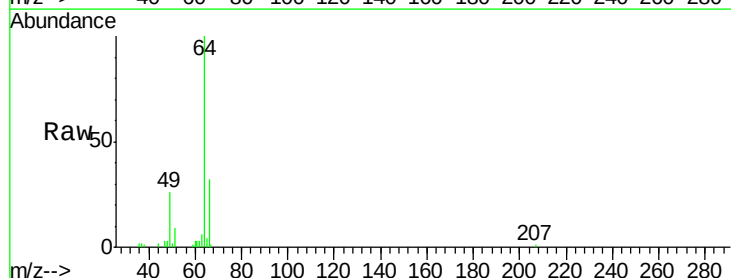
Acq: 15 Apr 2020 10:15

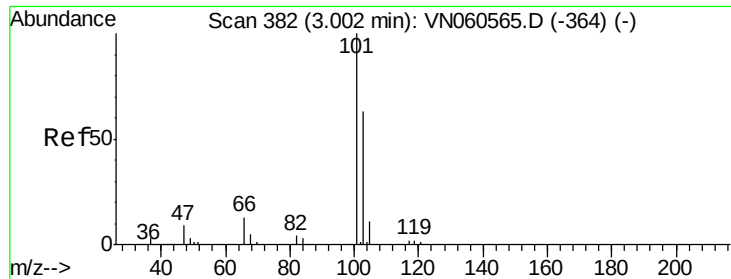
Tgt Ion: 64 Resp: 56295

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9





#7

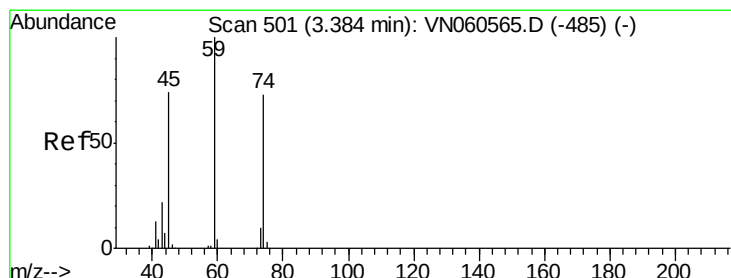
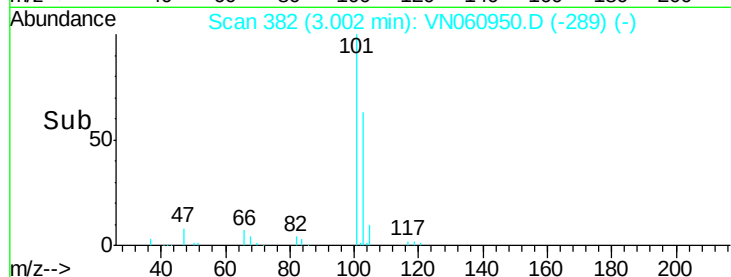
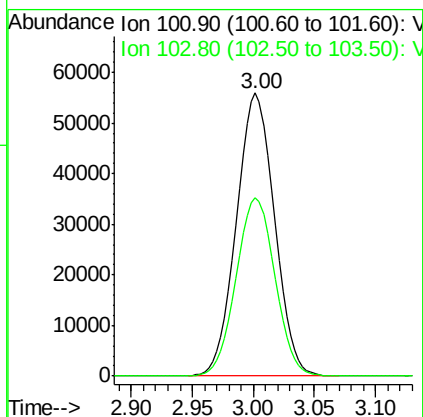
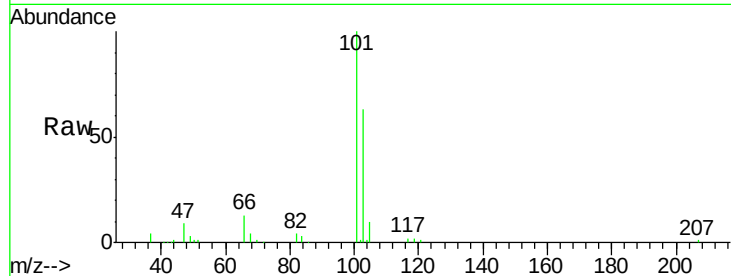
Trichlorofluoromethane
 Concen: 50.441 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.6	76.0

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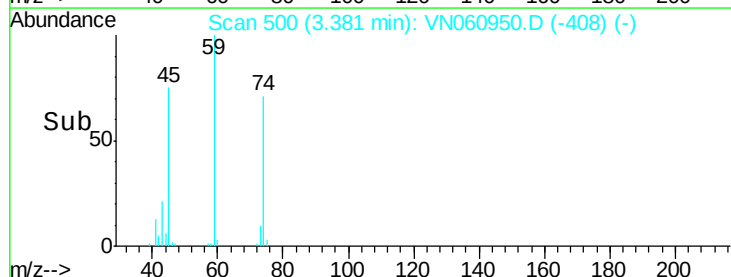
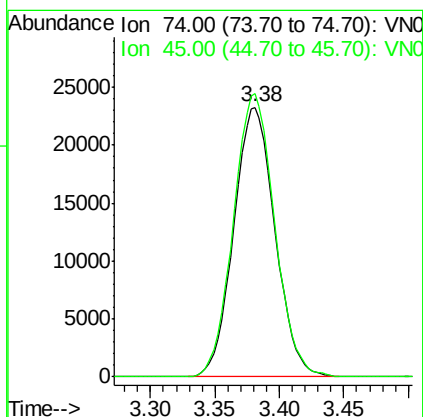
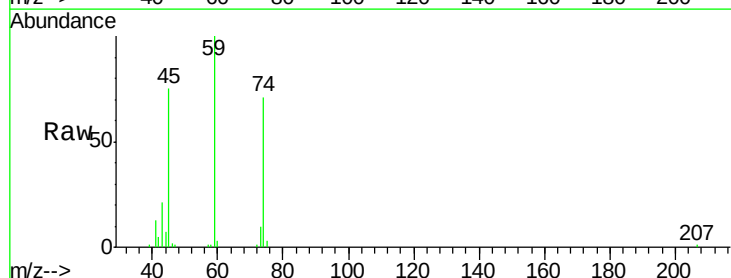
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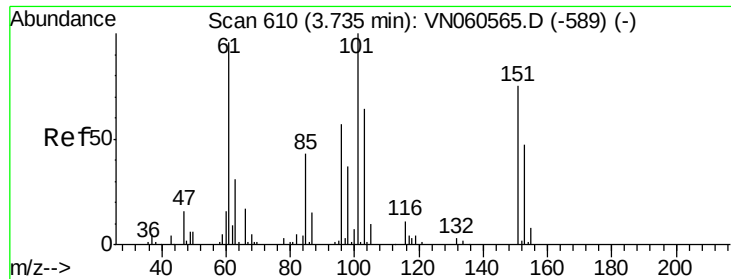


#8

Diethyl Ether
 Concen: 53.664 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.521 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

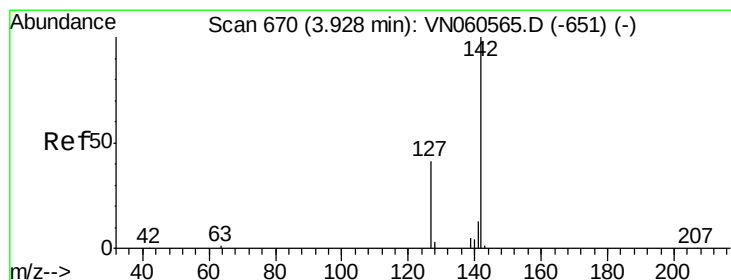
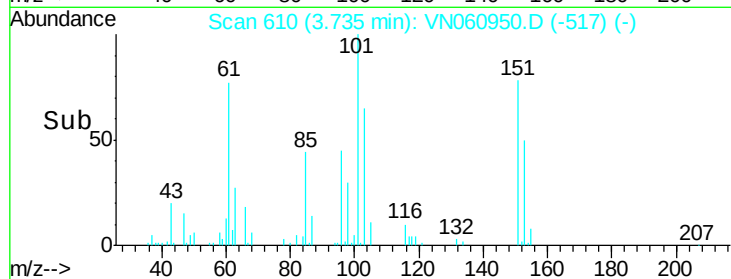
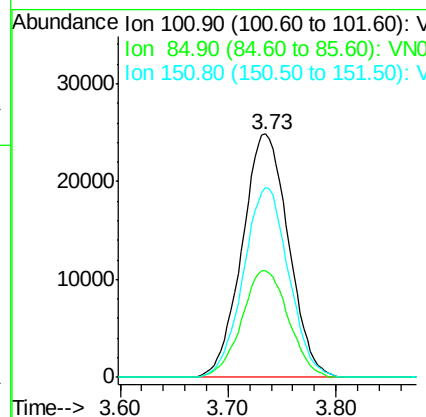
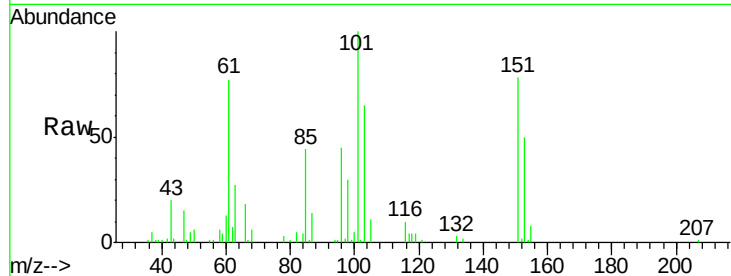
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	74379
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.6	53.4
151	76.2	61.4	92.2

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#10

Methyl Iodide

Concen: 43.776 ug/l

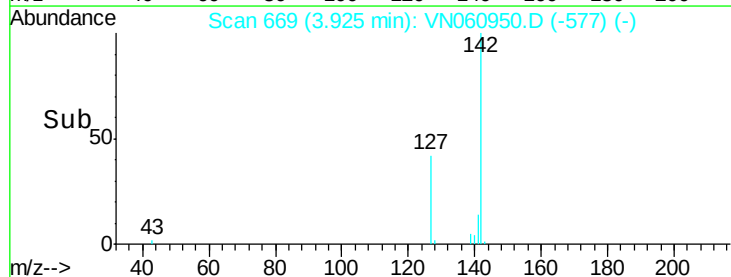
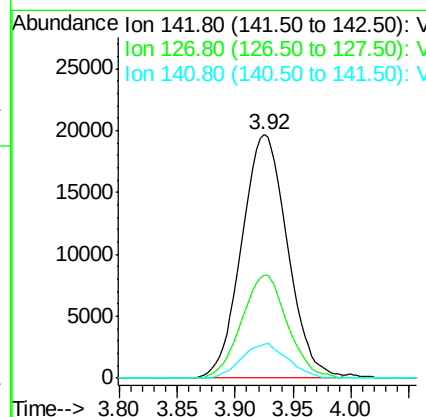
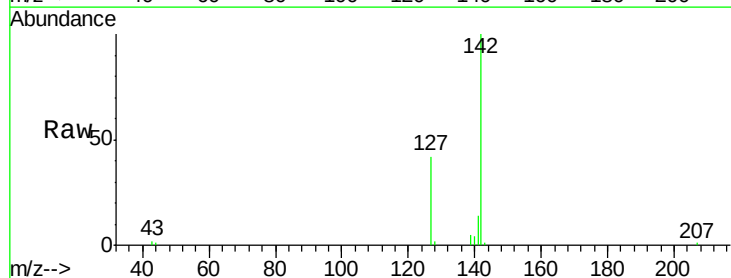
RT: 3.92 min Scan# 669

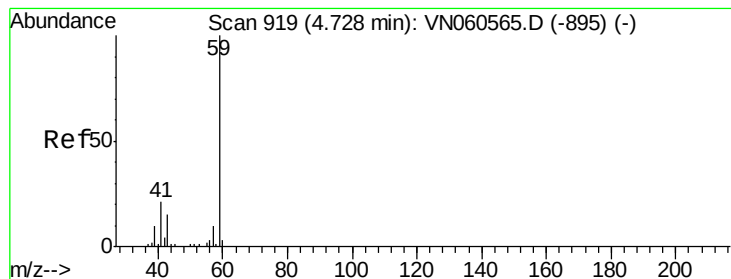
Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	142	Resp:	54133
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.5	50.3
141	14.1	11.0	16.6





#11

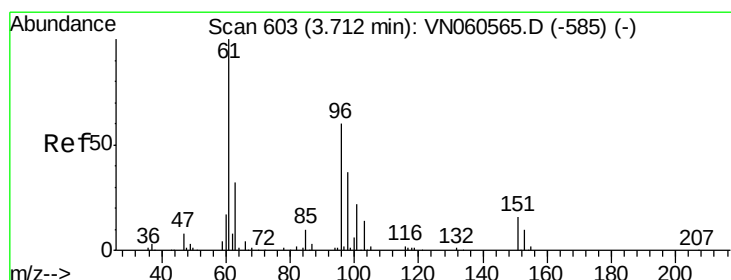
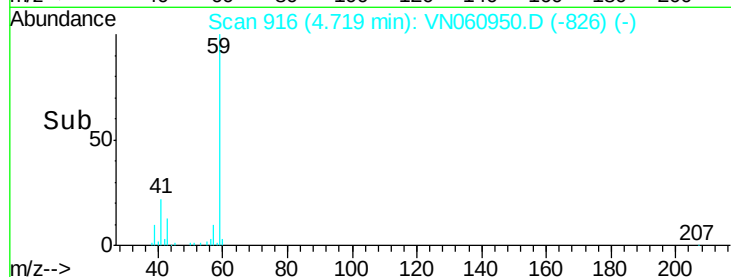
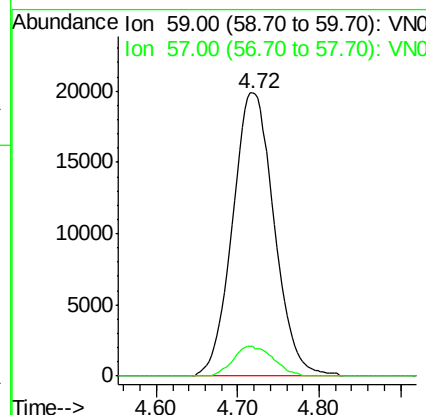
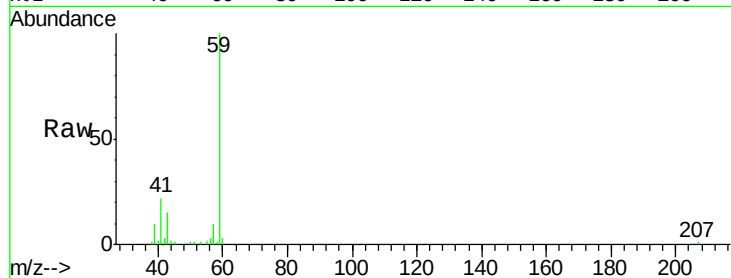
Tert butyl alcohol
 Concen: 253.699 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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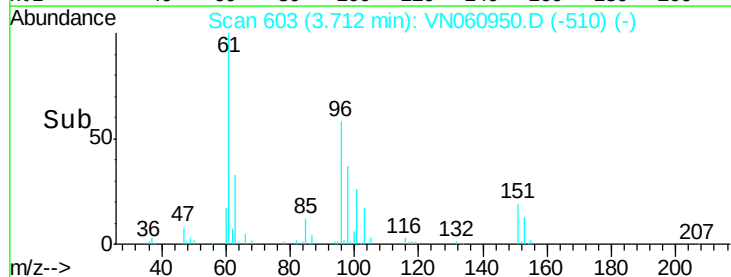
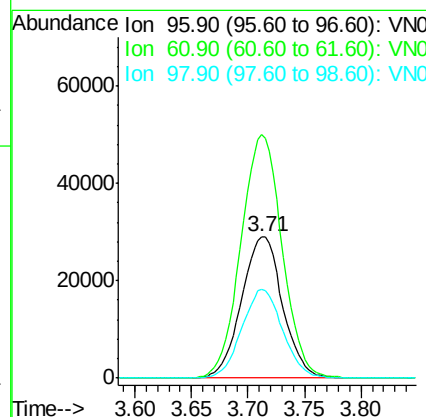
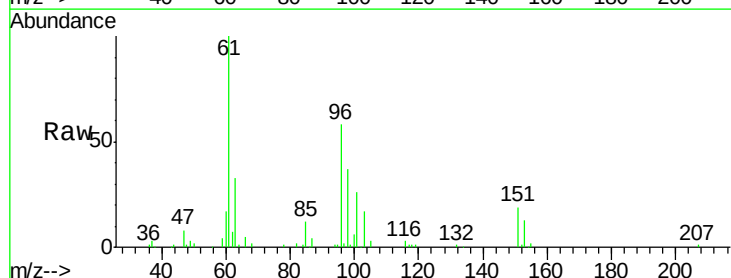
MMDadoda
 4/16/2020 11:15:48 AM

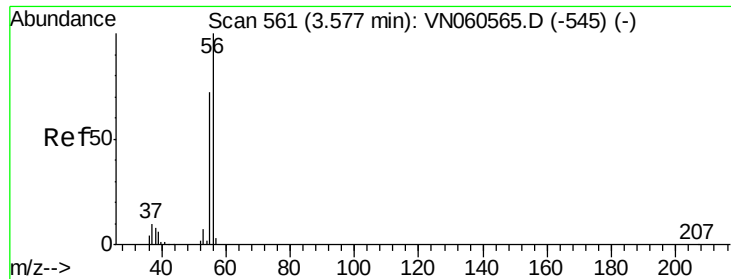


#12

1,1-Dichloroethene
 Concen: 49.079 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.1	134.1	201.1
98	62.9	49.9	74.9





#13

Acrolein

Concen: 316.776 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 97632

Ion Ratio Lower Upper

56 100

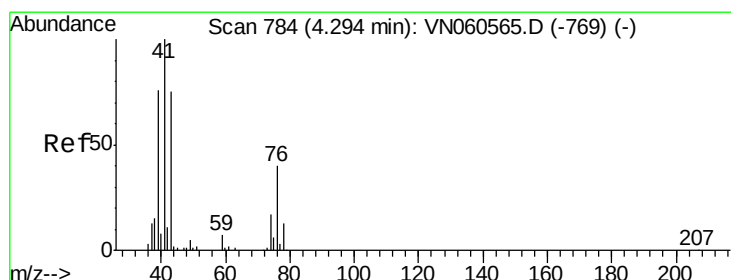
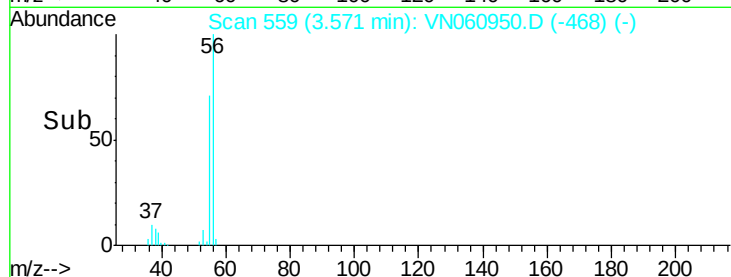
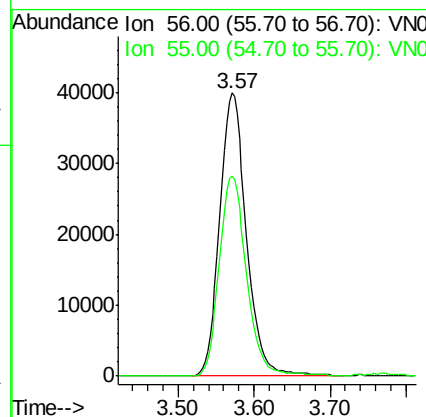
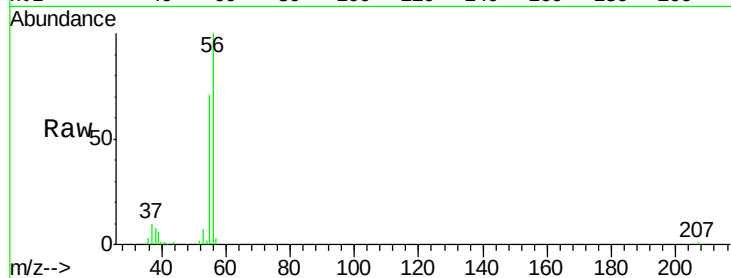
55 72.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.550 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

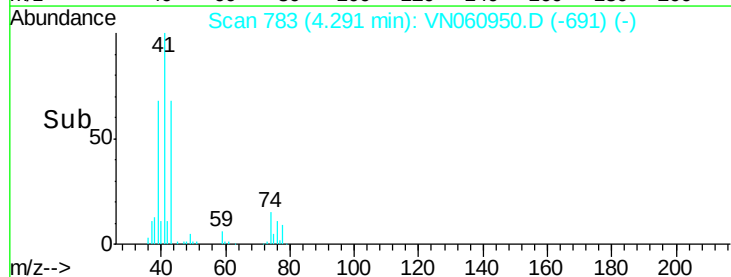
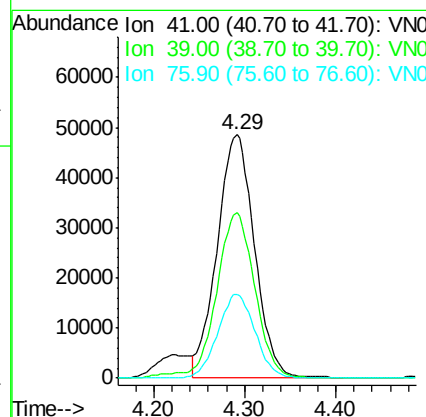
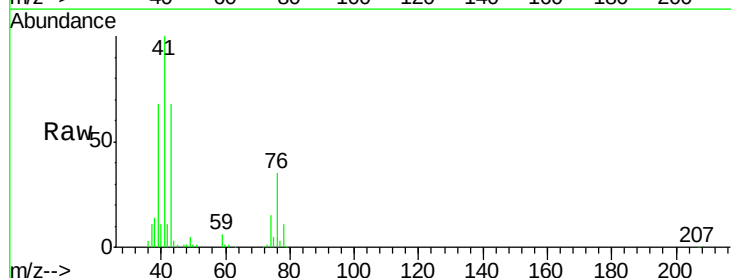
Tgt Ion: 41 Resp: 137833

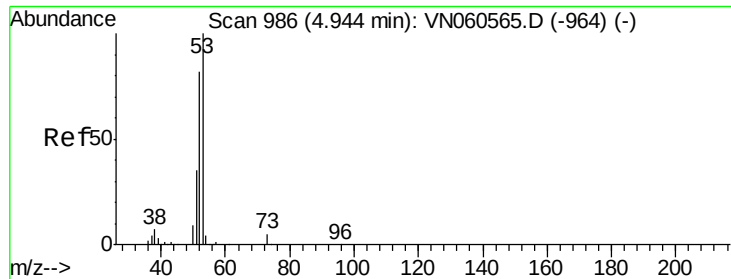
Ion Ratio Lower Upper

41 100

39 70.3 57.8 86.8

76 34.5 28.6 43.0





#15

Acrylonitrile

Concen: 273.652 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

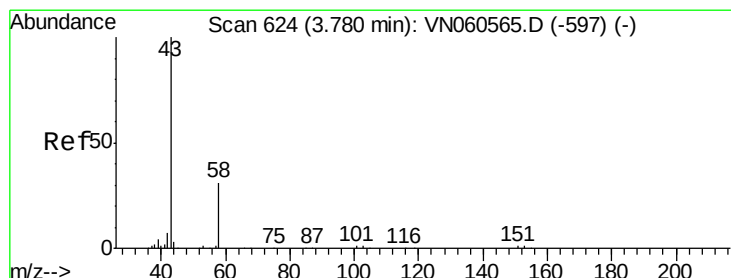
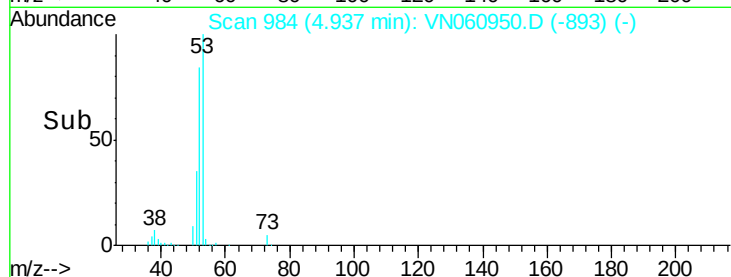
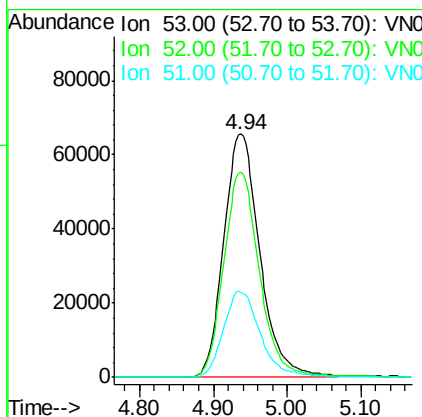
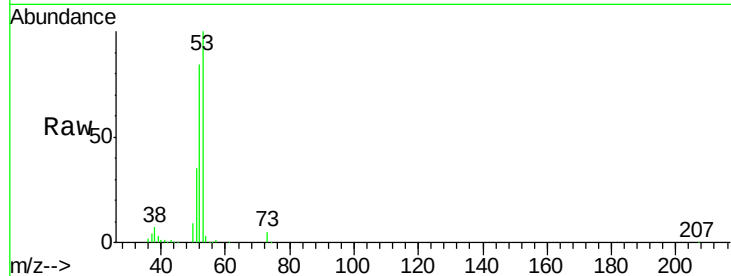
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		223778		
52	83.1	66.2	99.4		
51	36.3	28.7	43.1		

Manual Integrations
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#16

Acetone

Concen: 390.404 ug/l

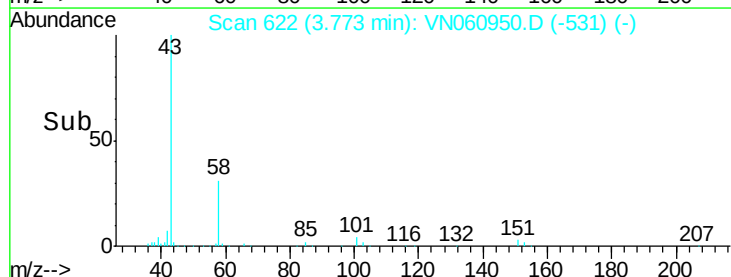
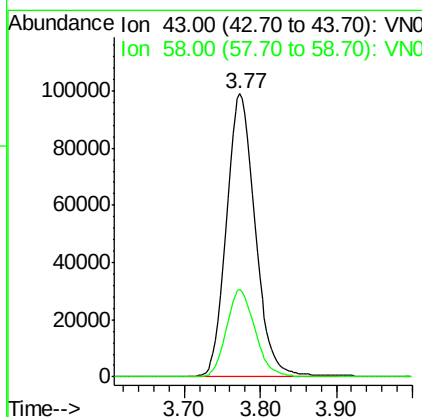
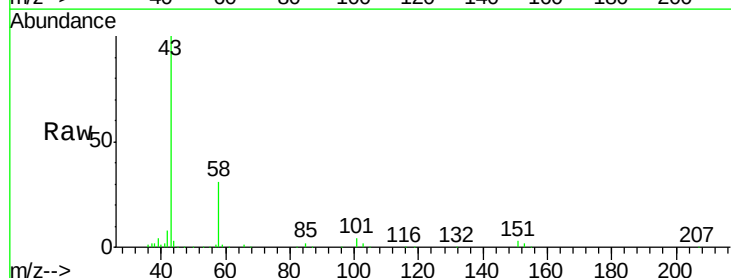
RT: 3.77 min Scan# 622

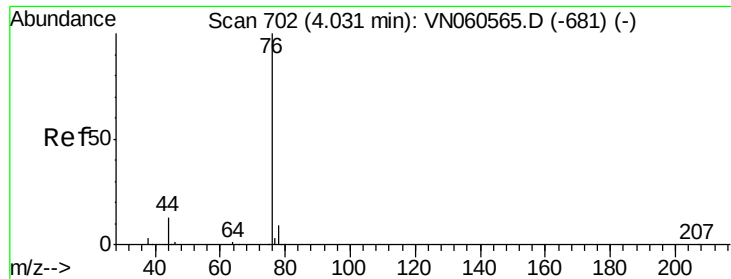
Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		261489		
58	30.8	25.1	37.7		





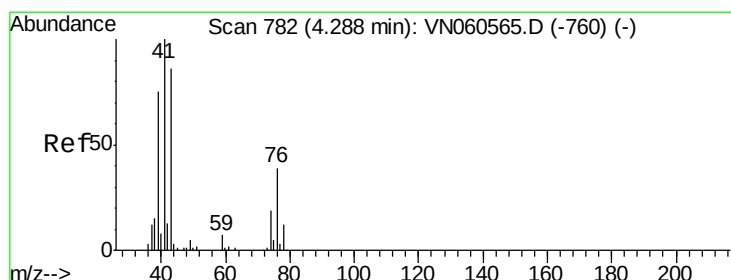
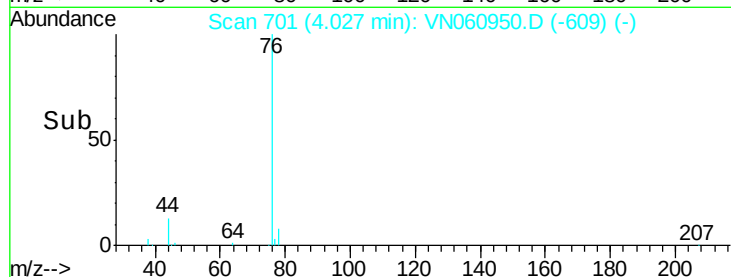
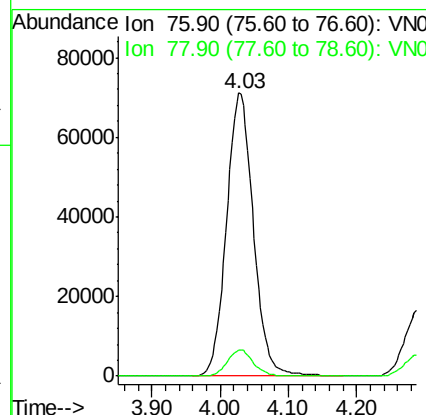
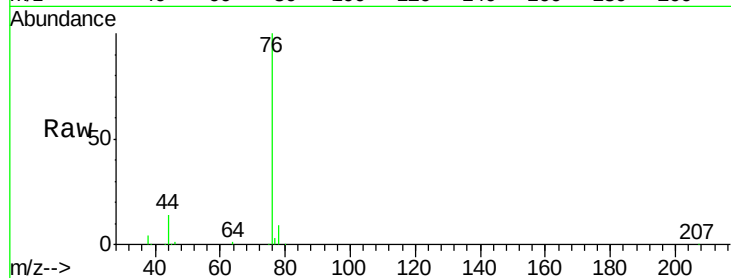
#17
Carbon Disulfide
Concen: 42.929 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

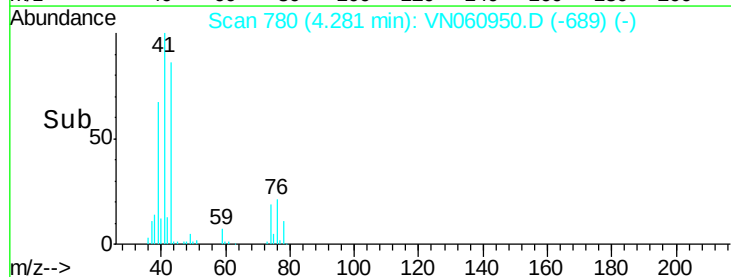
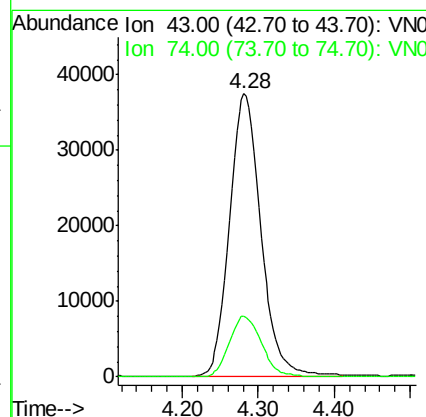
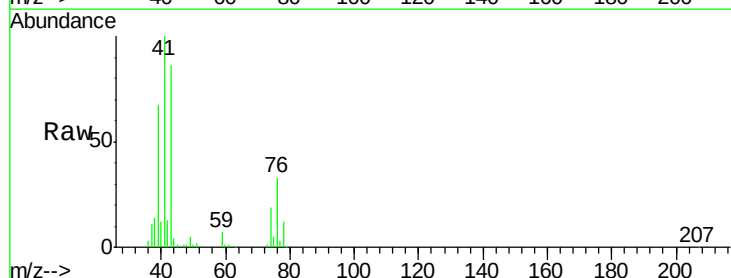
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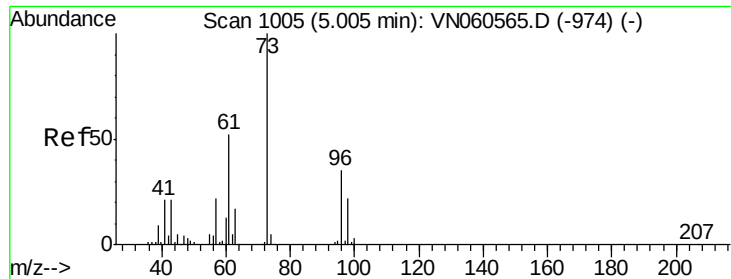
MMDadoda
4/16/2020 11:15:48 AM



#18
Methyl Acetate
Concen: 57.555 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3





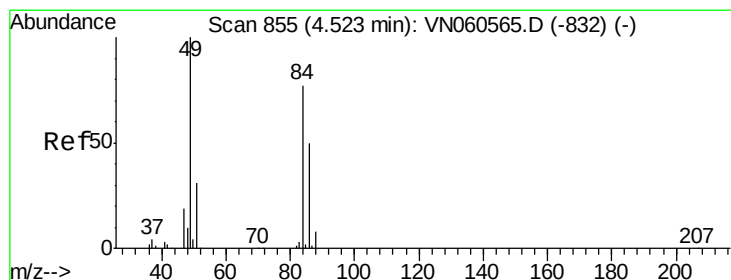
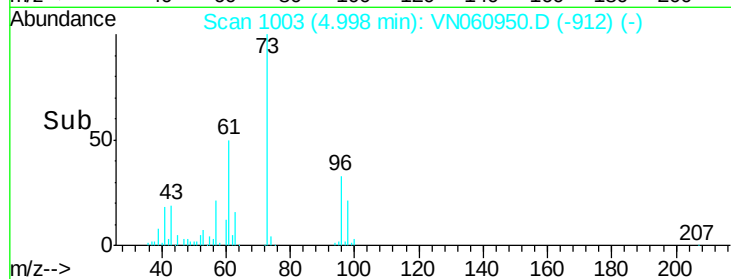
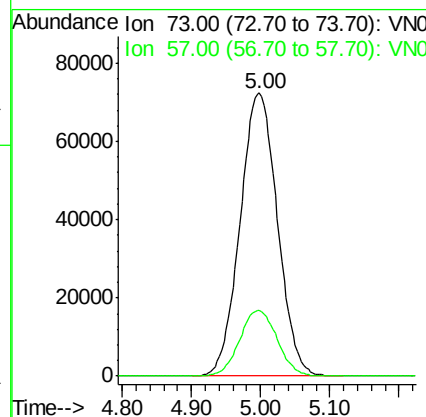
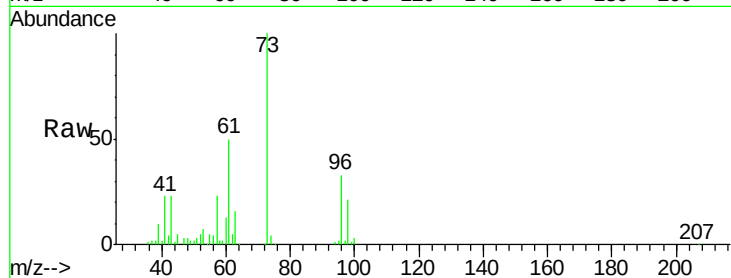
#19
Methyl tert-butyl Ether
Concen: 52.942 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.5	26.3

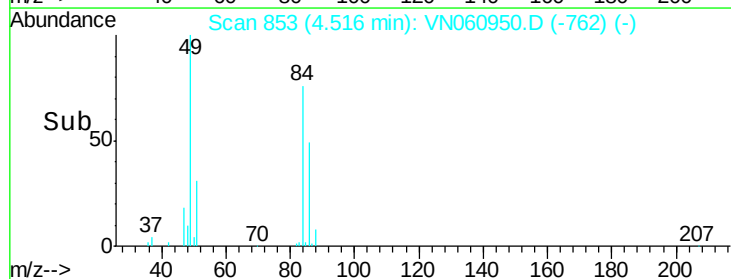
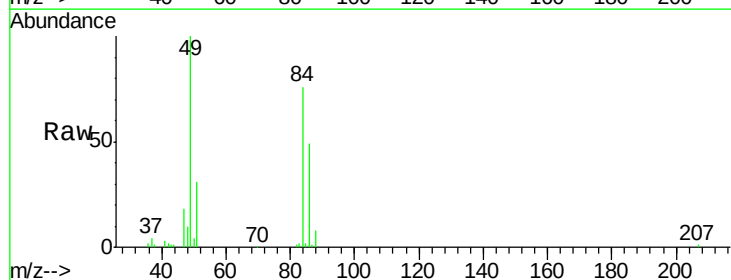
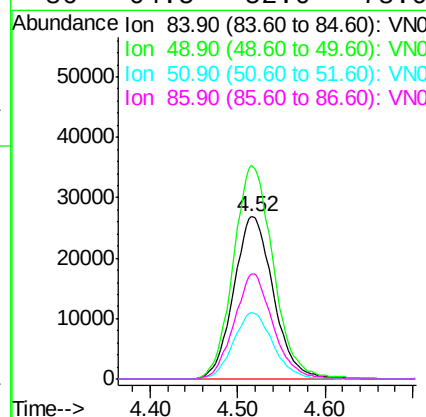
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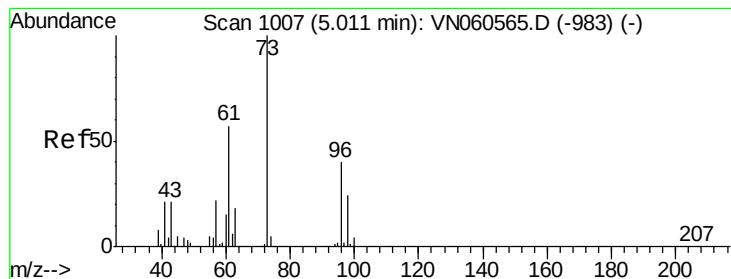
MMDadoda
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#20
Methylene Chloride
Concen: 51.343 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.4	103.3	154.9
51	40.7	31.6	47.4
86	64.5	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 49.674 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

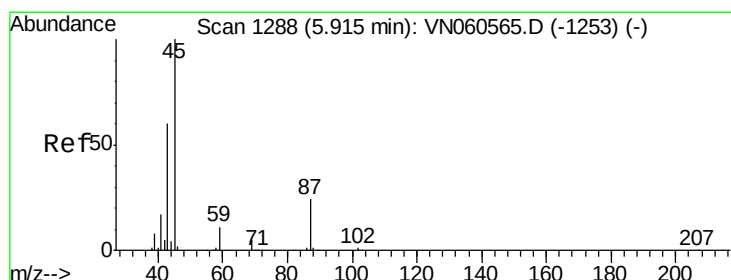
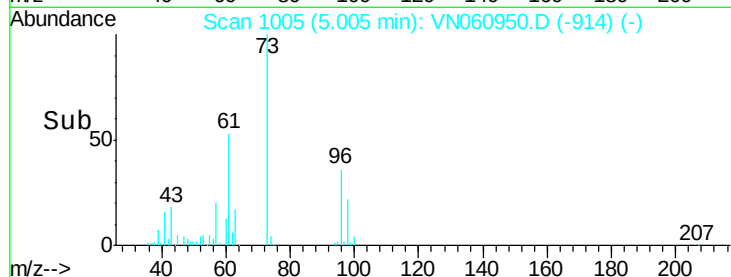
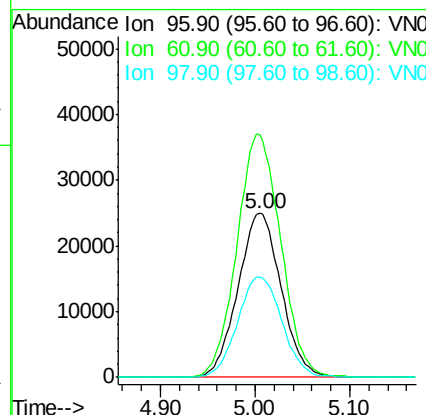
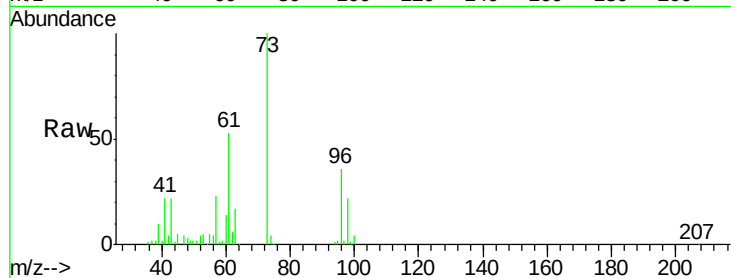
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	78952
Ion	Ratio	Lower	Upper
96	100		
61	147.9	114.4	171.6
98	61.2	48.4	72.6

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#22

Diisopropyl ether

Concen: 56.587 ug/l

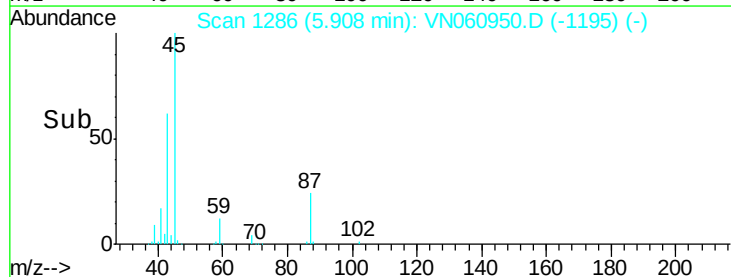
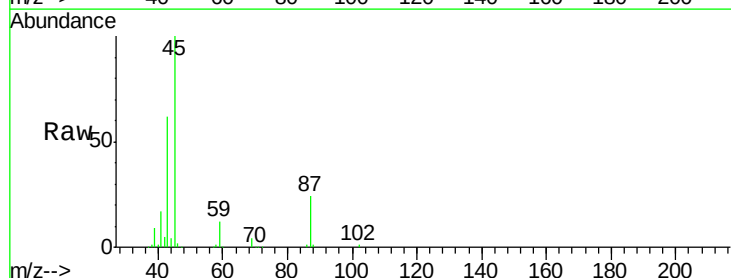
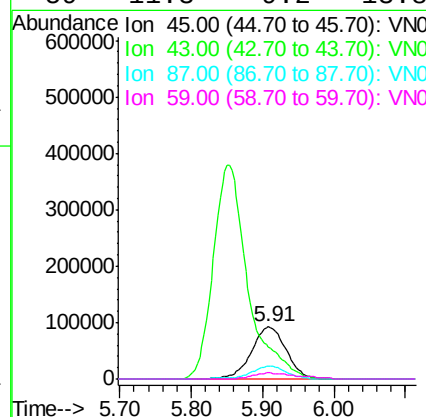
RT: 5.91 min Scan# 1286

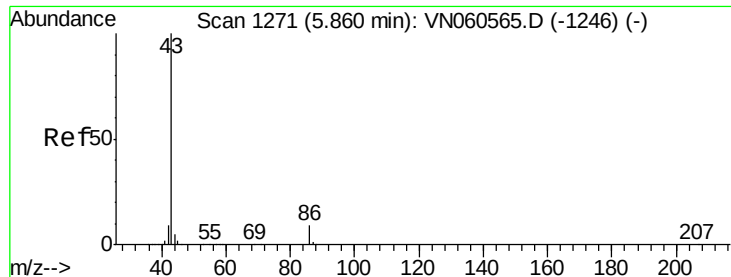
Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	45	Resp:	313569
Ion	Ratio	Lower	Upper
45	100		
43	60.8	49.8	74.8
87	24.3	20.1	30.1
59	11.3	9.2	13.8





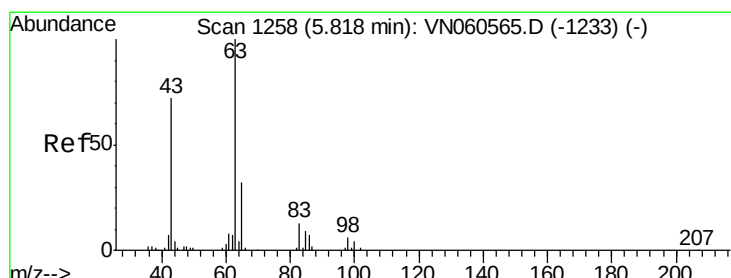
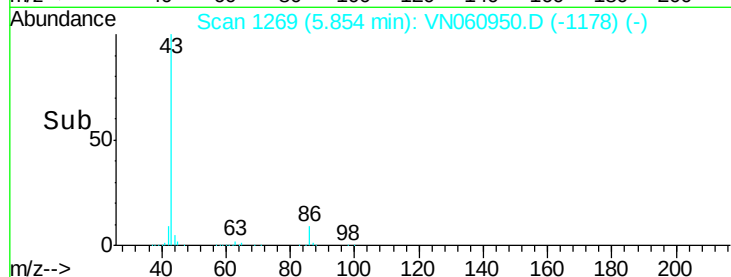
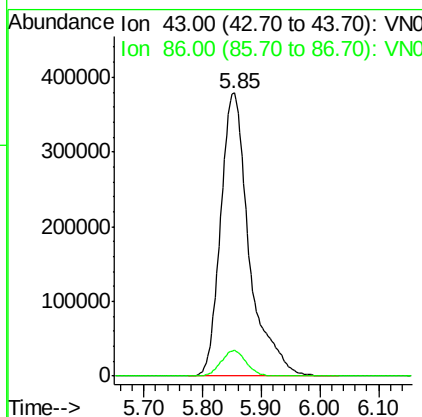
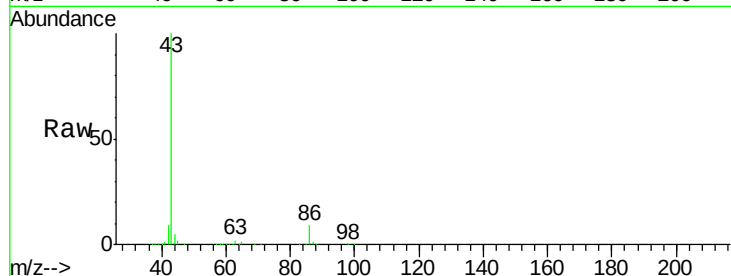
#23
 Vinyl Acetate
 Concen: 282.342 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1276557
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.6 11.4

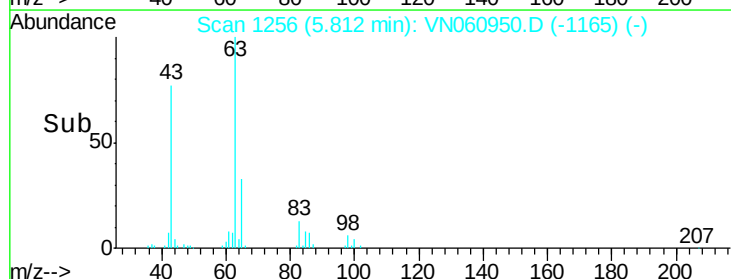
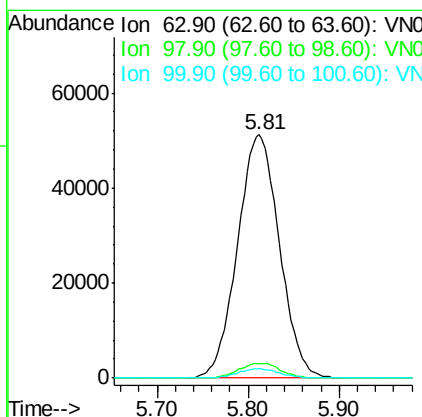
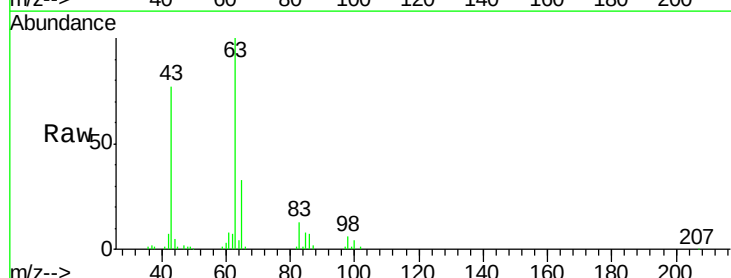
Manual Integrations
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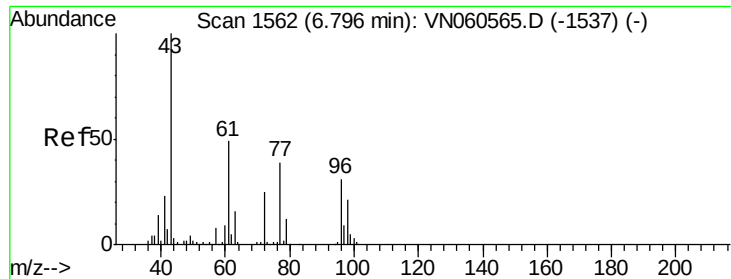
MMDadoda
 4/16/2020 11:15:48 AM



#24
 1,1-Dichloroethane
 Concen: 54.167 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion: 63 Resp: 163632
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 4.0 1.8 5.5





#25

2-Butanone

Concen: 316.990 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 343565

Ion Ratio Lower Upper

43 100

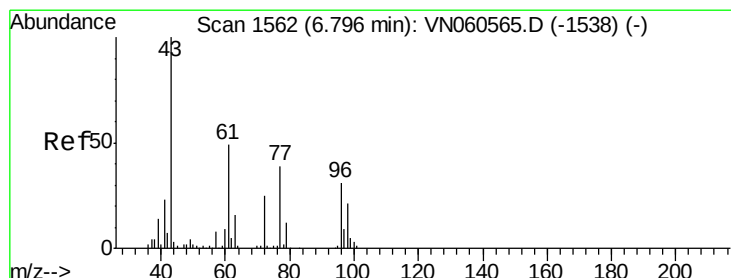
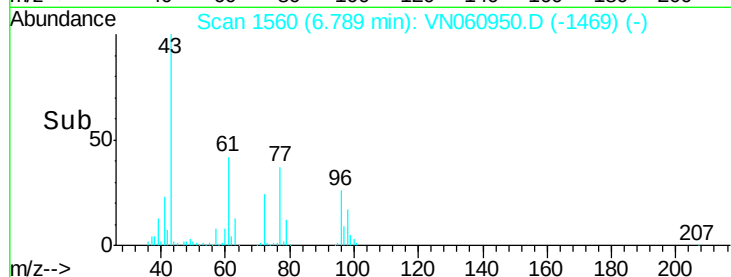
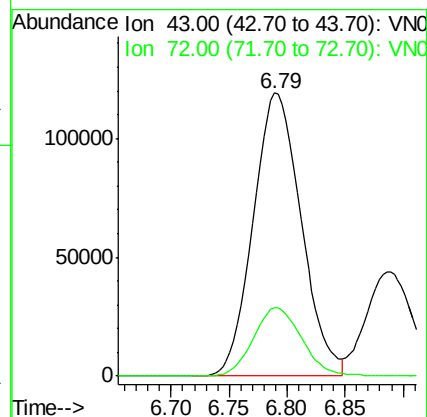
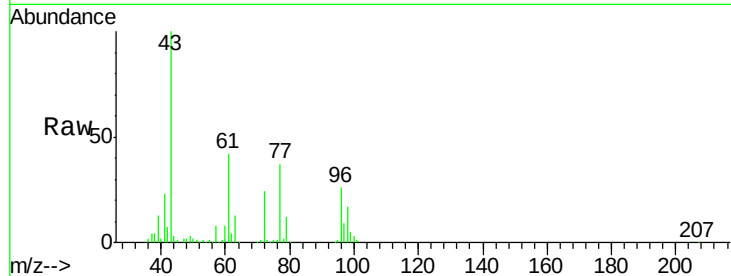
72 24.2 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 58.712 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060950.D

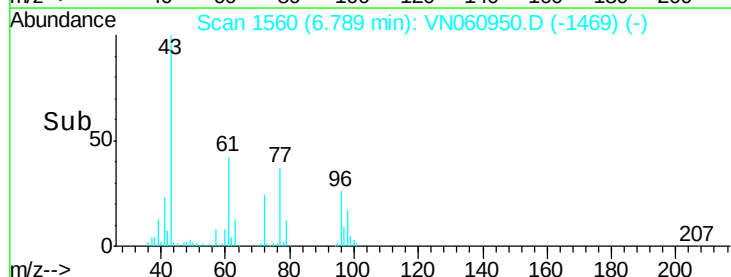
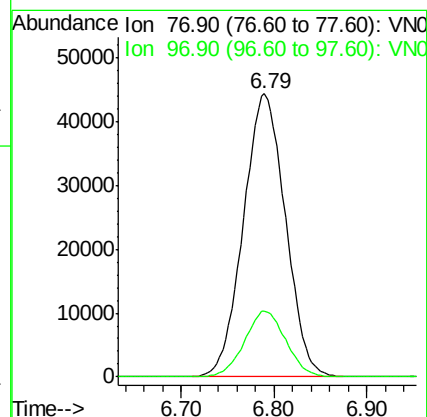
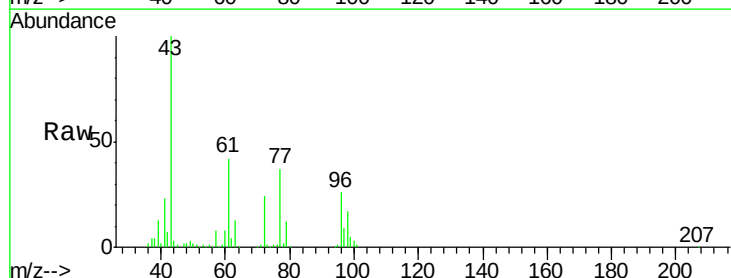
Acq: 15 Apr 2020 10:15

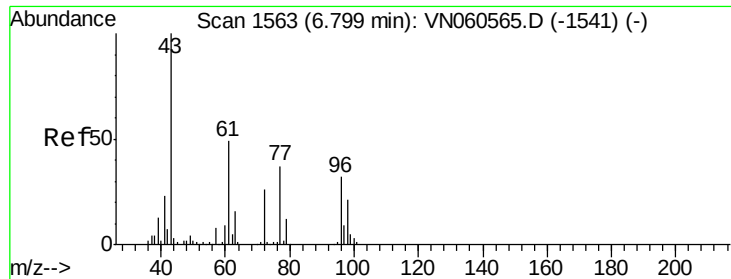
Tgt Ion: 77 Resp: 139547

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 51.851 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

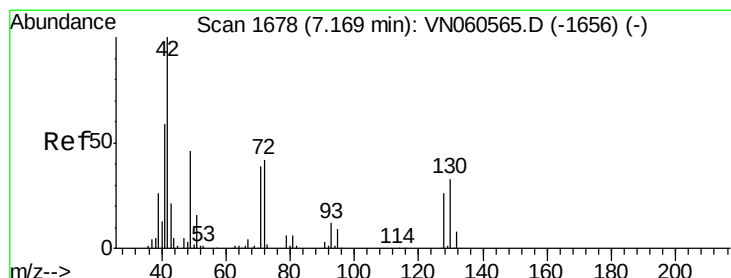
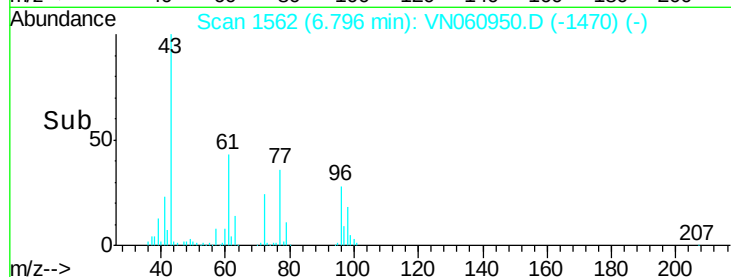
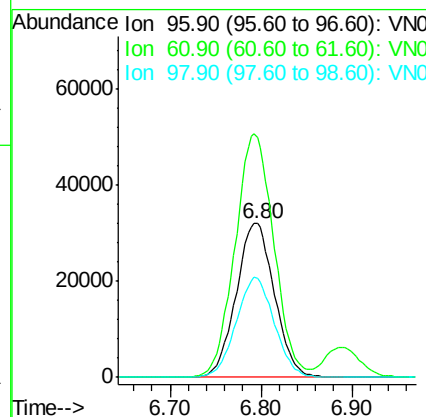
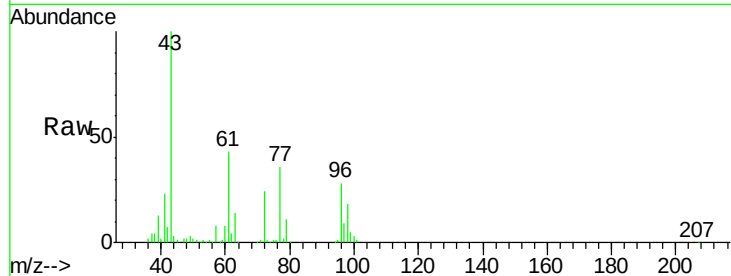
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	93652
Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	305.6
98	64.4	0.0	127.6

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#28

Bromochloromethane

Concen: 57.366 ug/l

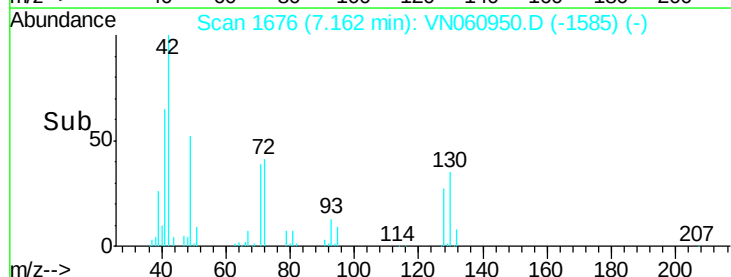
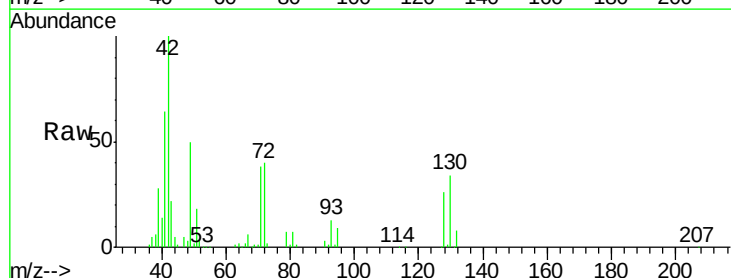
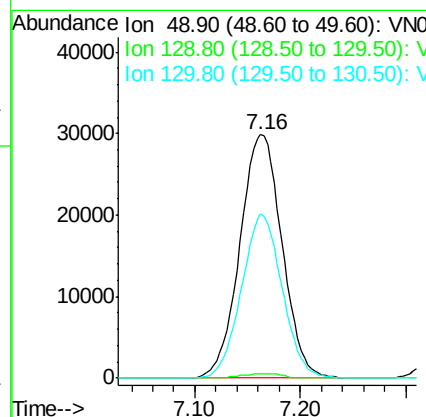
RT: 7.16 min Scan# 1676

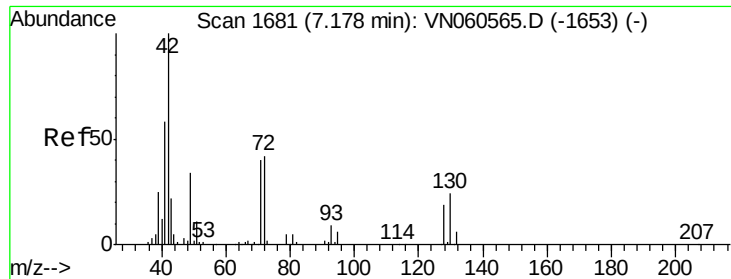
Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	49	Resp:	82912
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	64.9	55.0	82.4





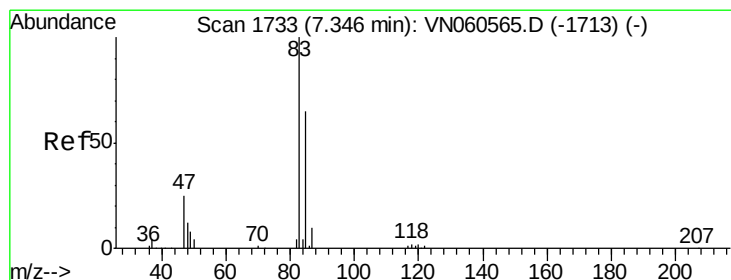
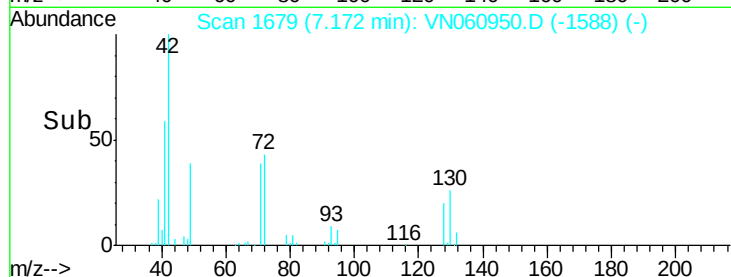
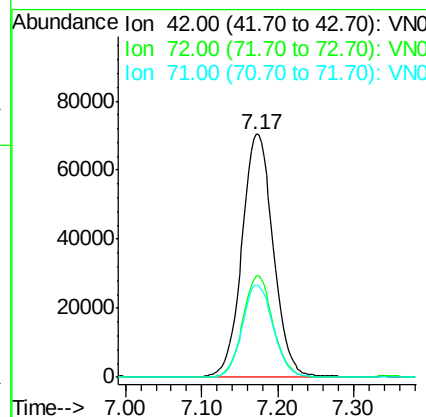
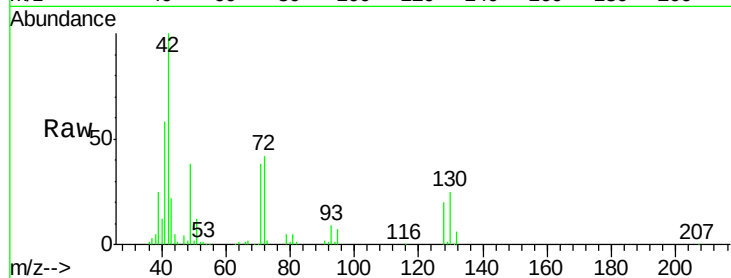
#29
Tetrahydrofuran
Concen: 263.697 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.2	49.8
71	37.4	31.1	46.7

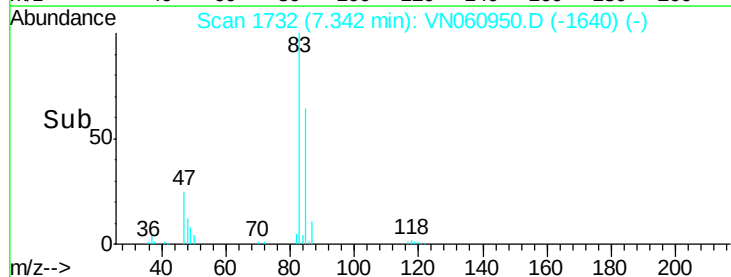
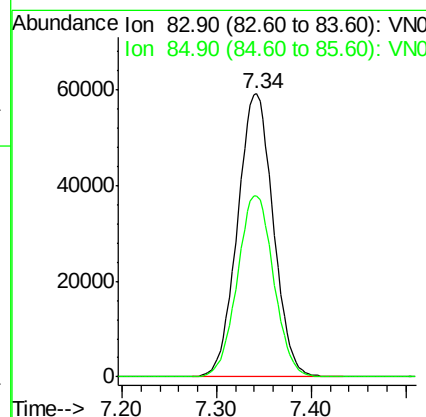
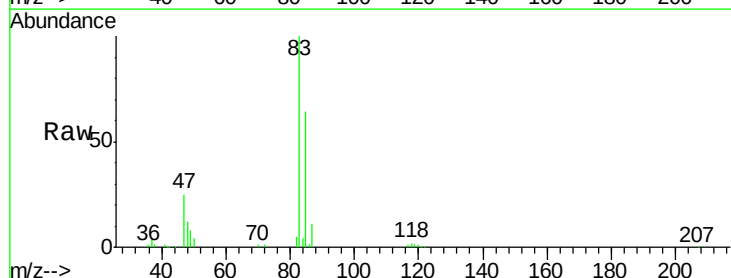
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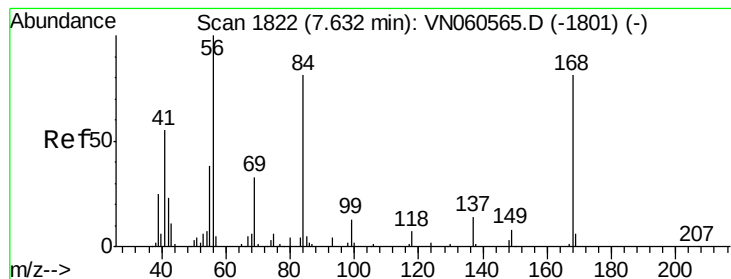
MMDadoda
4/16/2020 11:15:48 AM



#30
Chloroform
Concen: 53.682 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 48.069 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

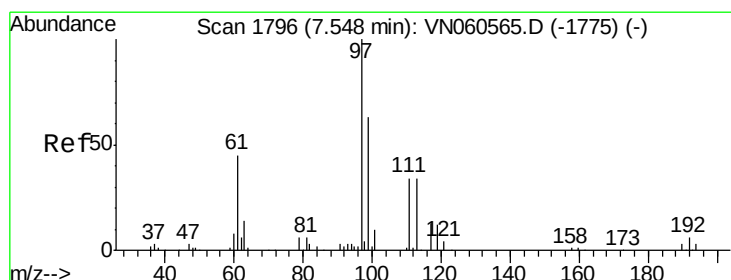
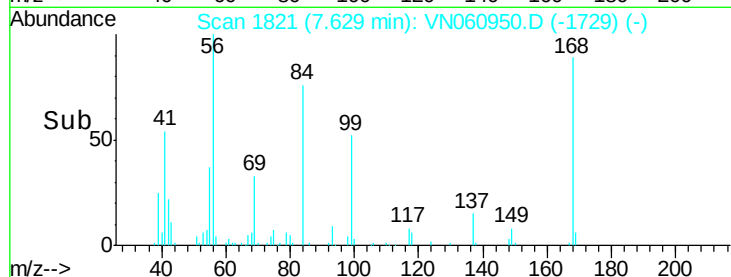
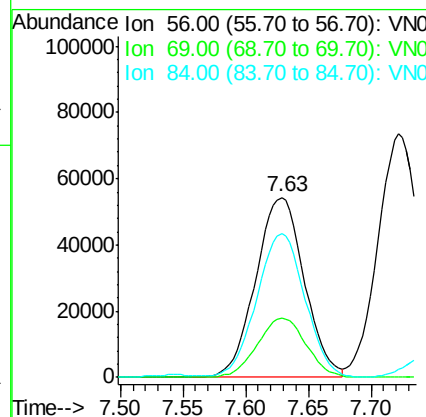
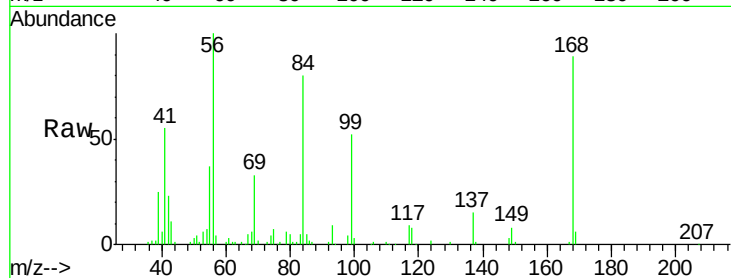
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	146393
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.6	40.0
84	78.9	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.525 ug/l

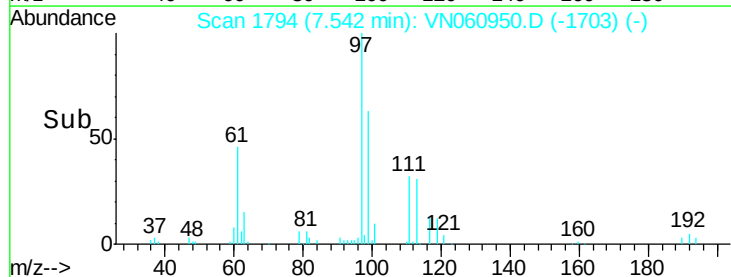
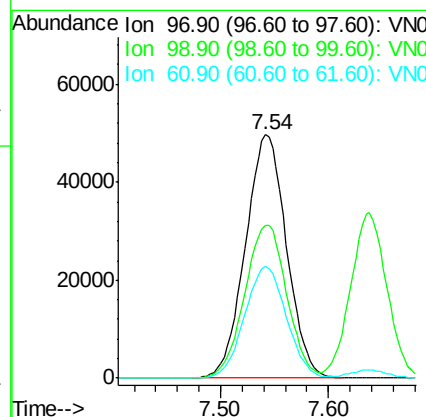
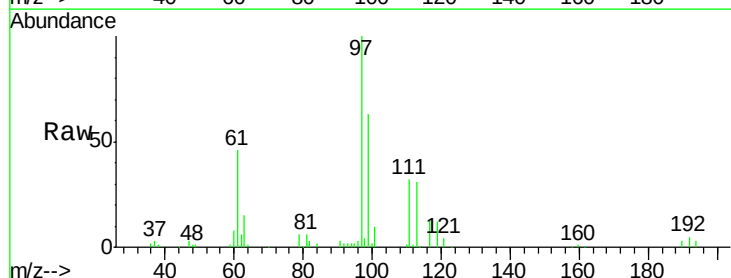
RT: 7.54 min Scan# 1794

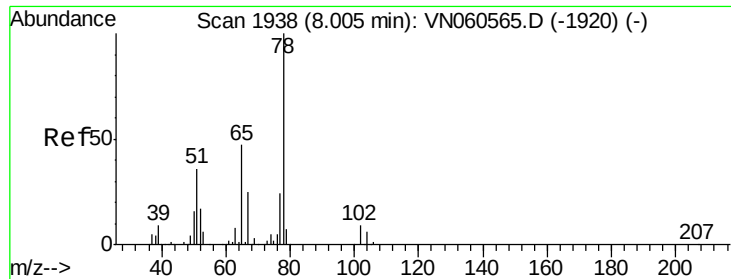
Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	97	Resp:	131132
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.6	75.8
61	46.7	36.2	54.4





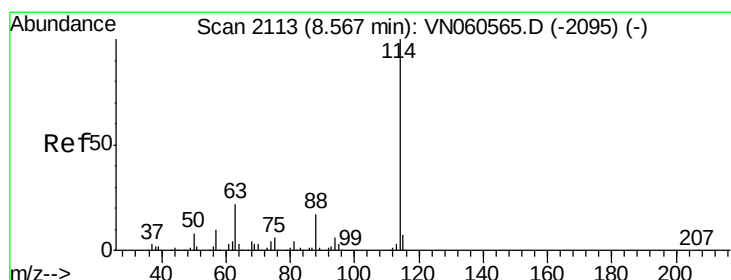
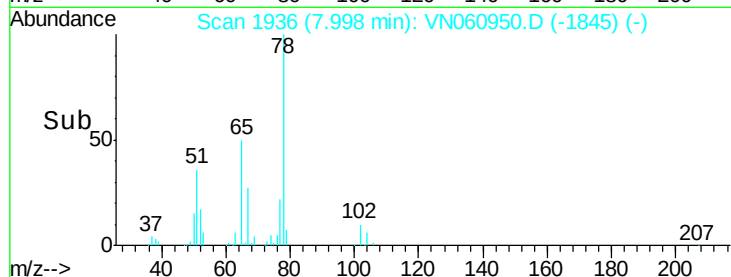
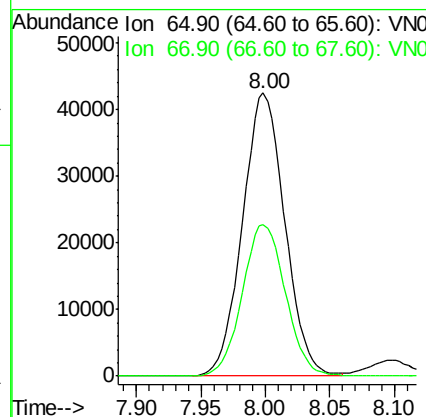
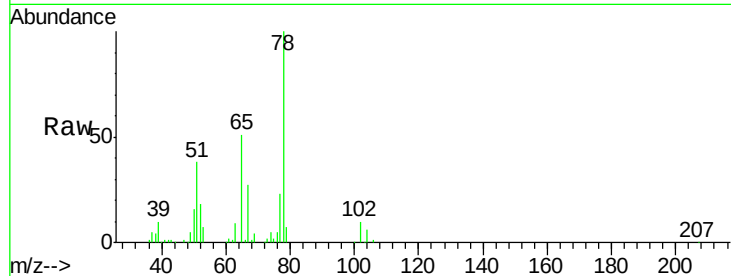
#33
 1,2-Dichloroethane-d4
 Concen: 51.335 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	107.6	

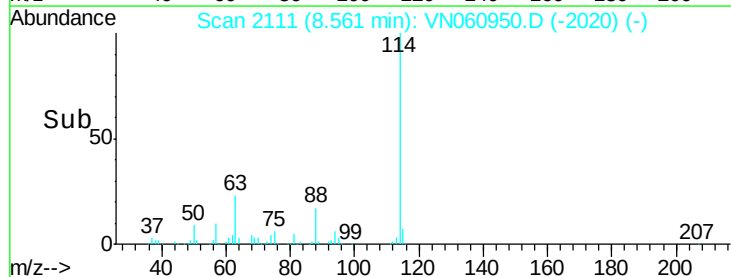
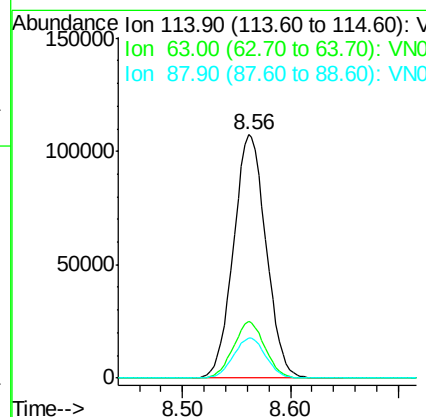
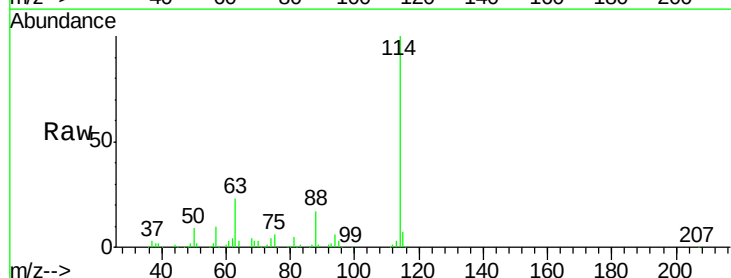
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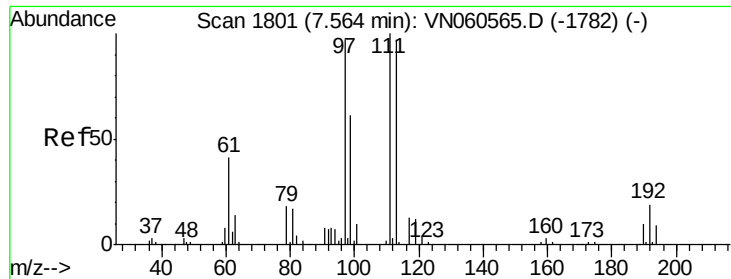
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 4/16/2020 11:15:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.1	0.0	43.8	
88	16.6	0.0	33.0	





#35

Dibromofluoromethane

Concen: 53.270 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

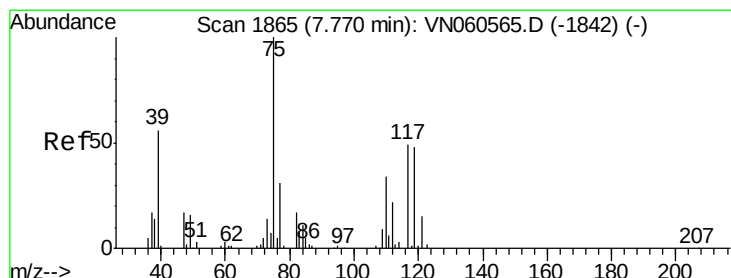
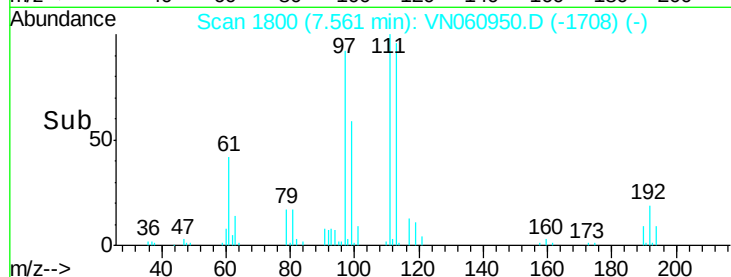
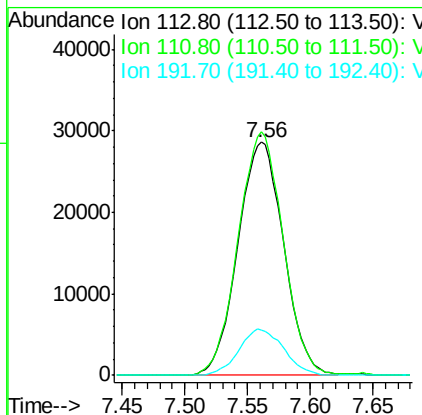
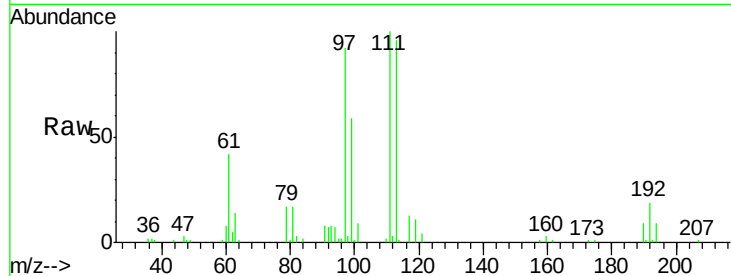
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	72654
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.4	15.8	23.8

Manual Integrations
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4/16/2020 11:15:48 AM



#36

1,1-Dichloropropene

Concen: 54.350 ug/l

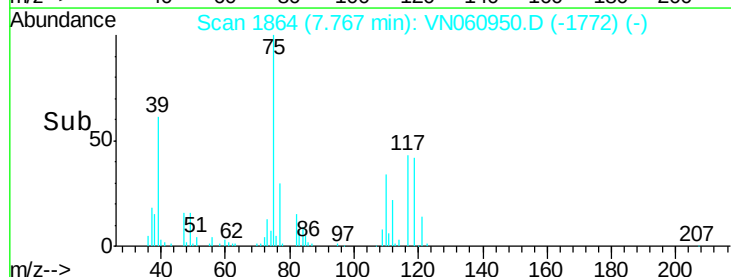
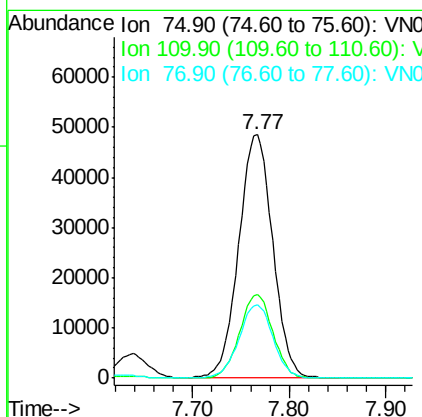
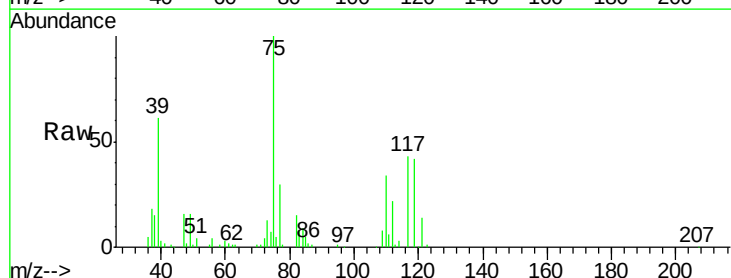
RT: 7.77 min Scan# 1864

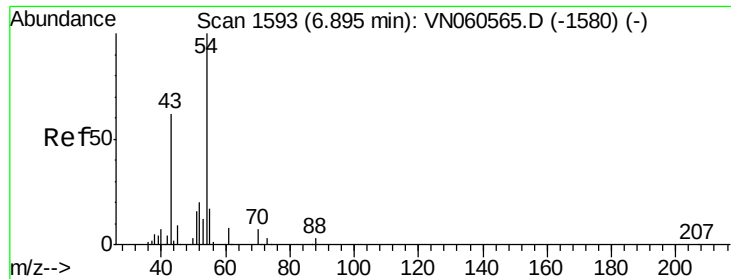
Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	75	Resp:	118707
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.1	24.6	36.8





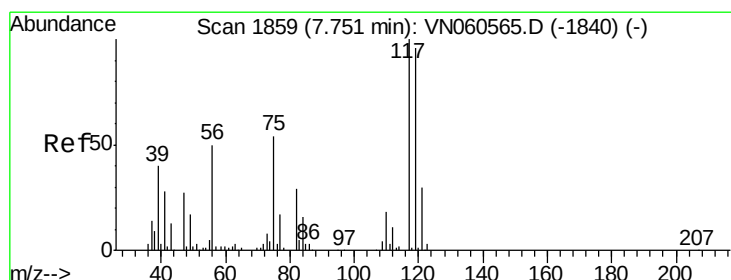
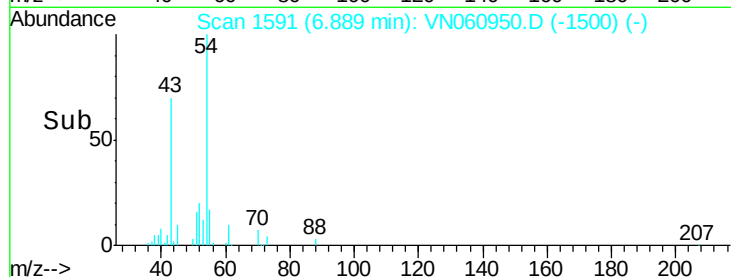
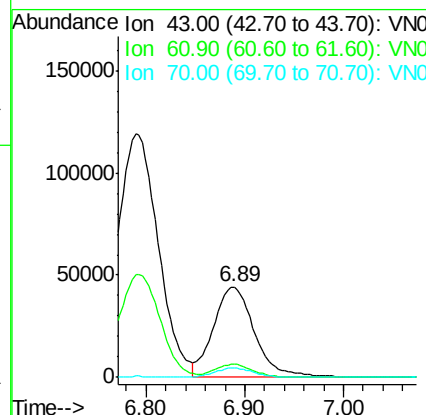
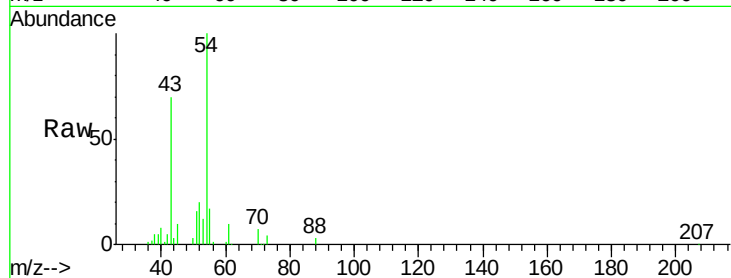
#37
Ethyl Acetate
Concen: 53.722 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	9.7	7.9	11.9

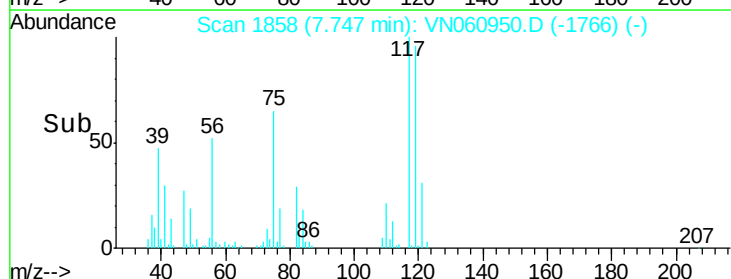
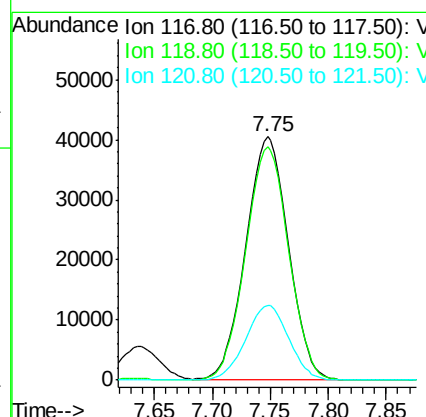
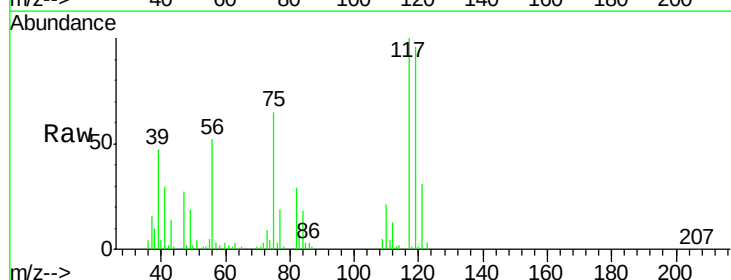
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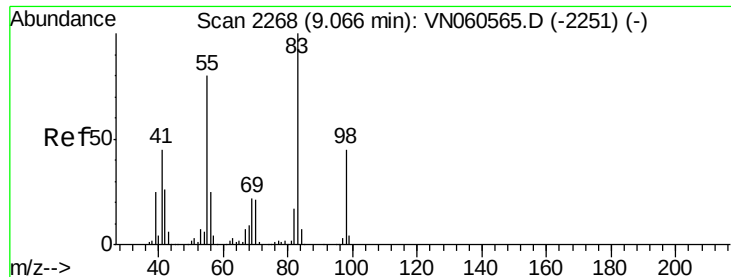
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#38
Carbon Tetrachloride
Concen: 52.990 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	30.9	23.7	35.5





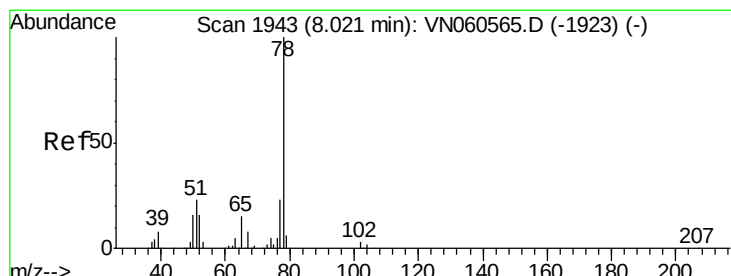
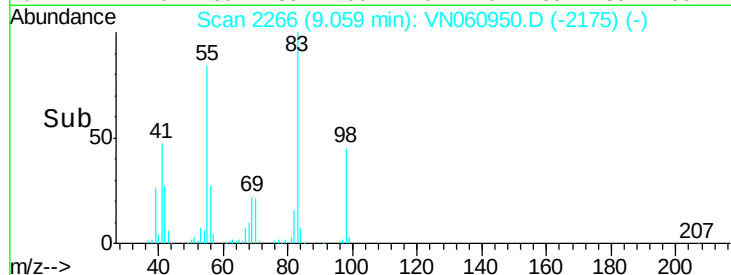
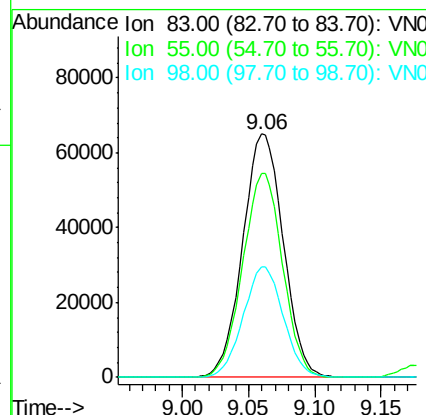
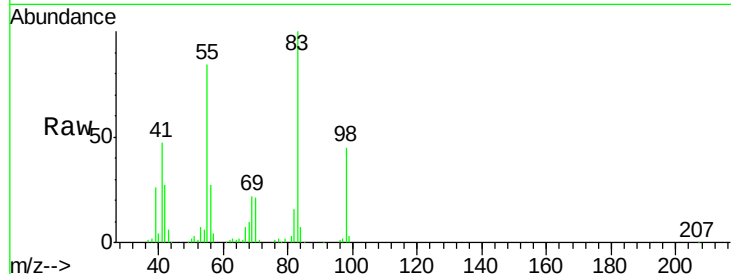
#39
Methylvlcyclohexane
Concen: 53.311 ug/l
RT: 9.06 min Scan# 2266
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	63.6	95.4
98	45.1	36.0	54.0

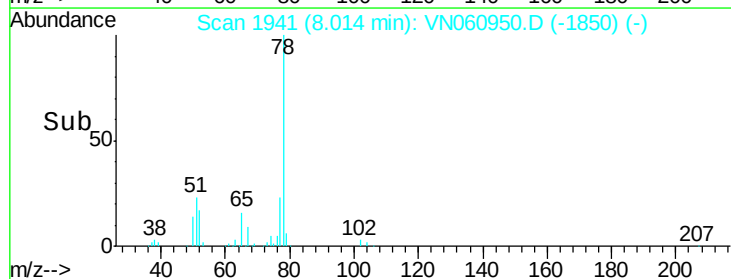
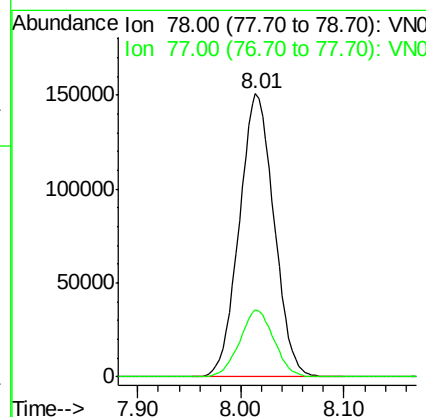
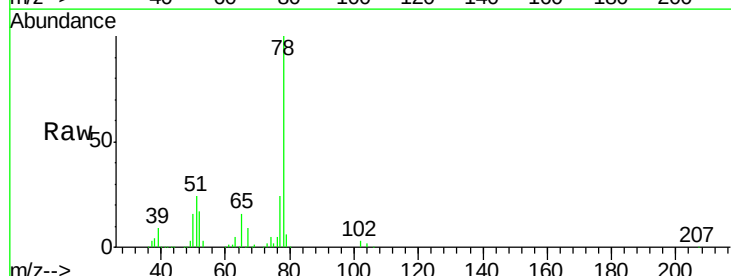
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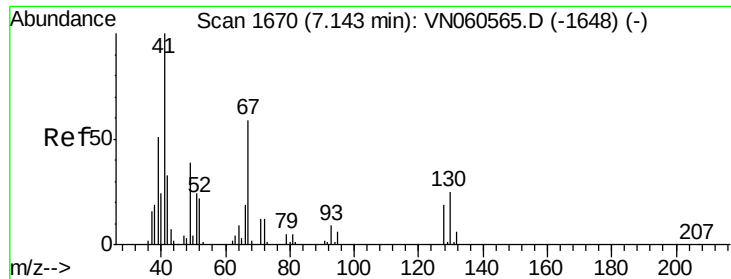
MMDadoda
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#40
Benzene
Concen: 53.583 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





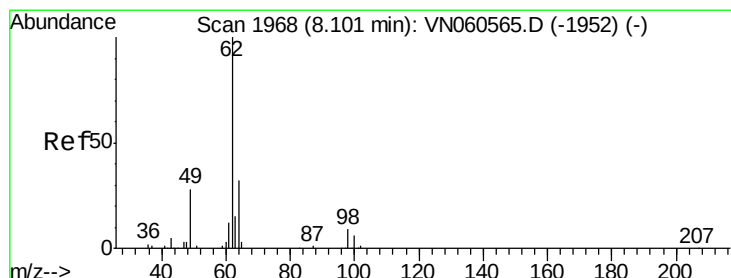
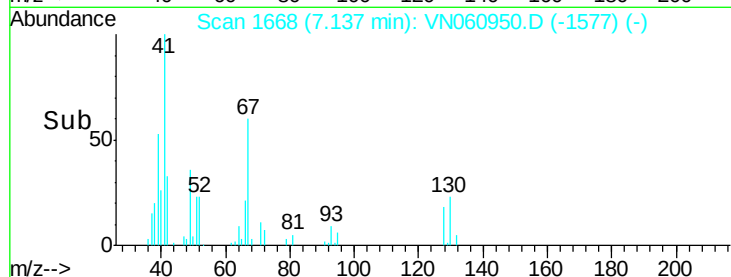
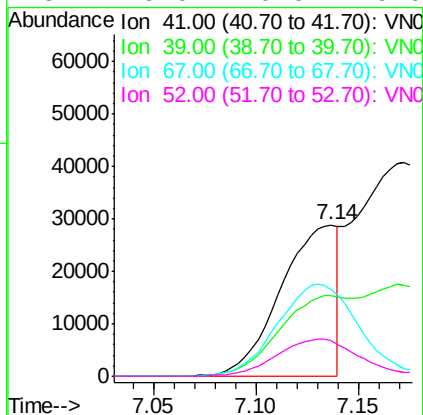
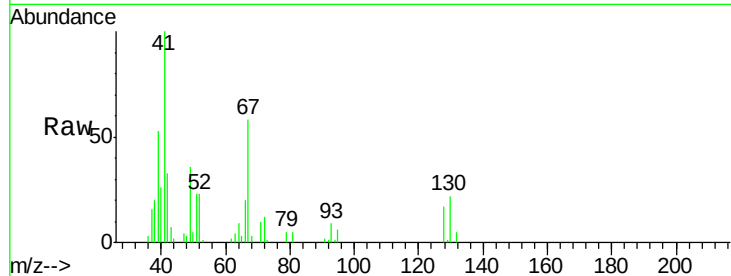
#41
Methacrylonitrile
Concen: 55.464 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	55862
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

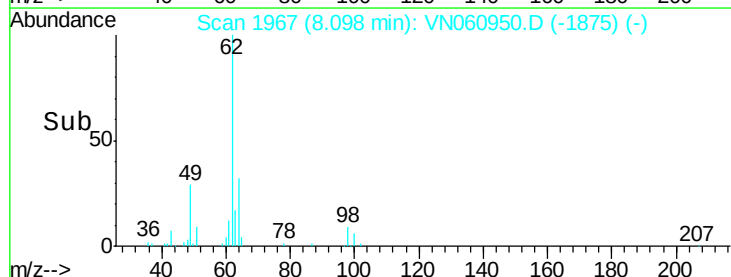
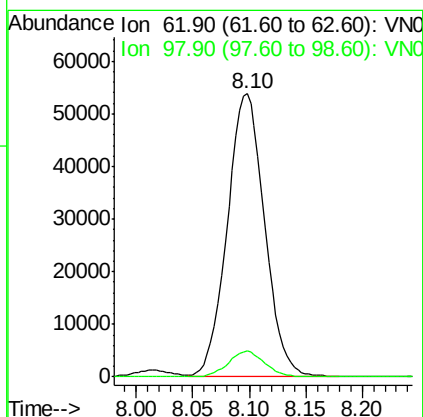
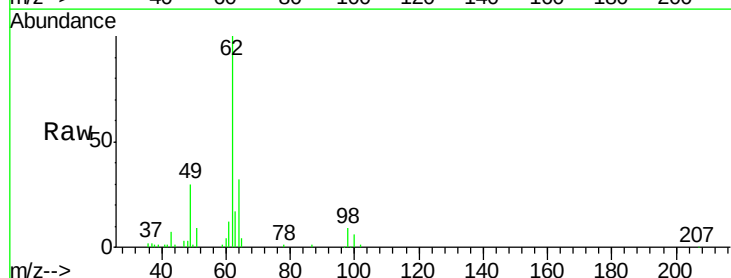
Manual Integrations
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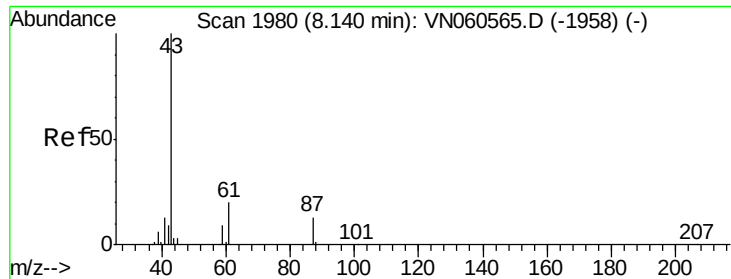
MMDadoda
4/16/2020 11:15:48 AM



#42
1,2-Dichloroethane
Concen: 54.917 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	62	Resp	123744
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 56.613 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

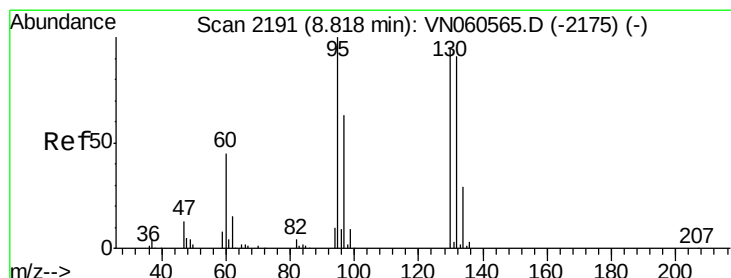
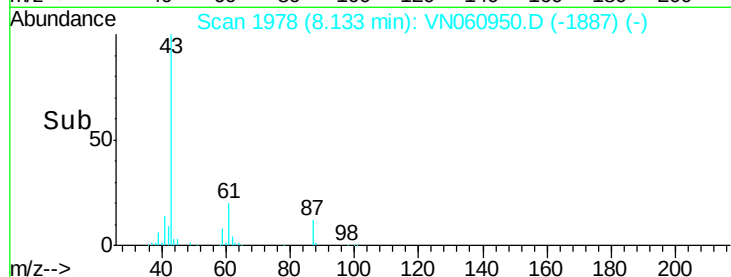
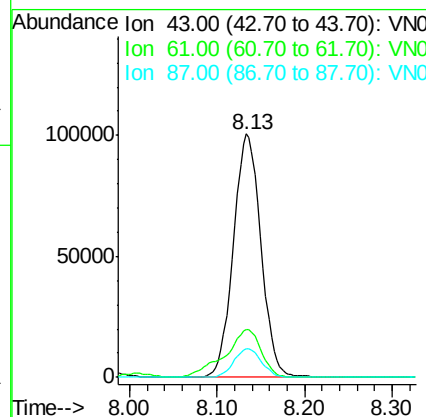
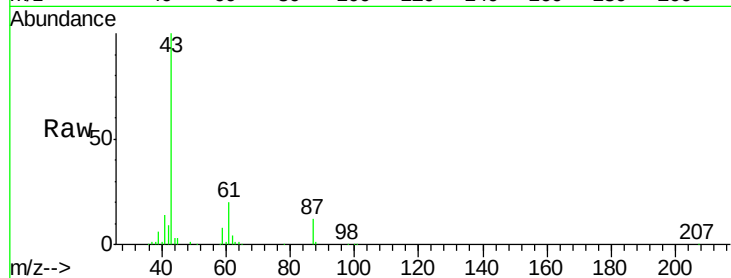
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	220343
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.7	31.1
87	11.7	9.8	14.8

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#44

Trichloroethene

Concen: 53.565 ug/l

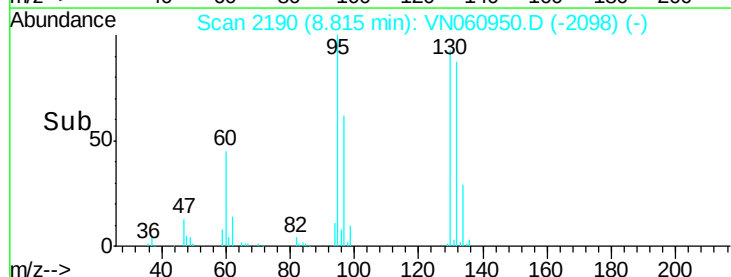
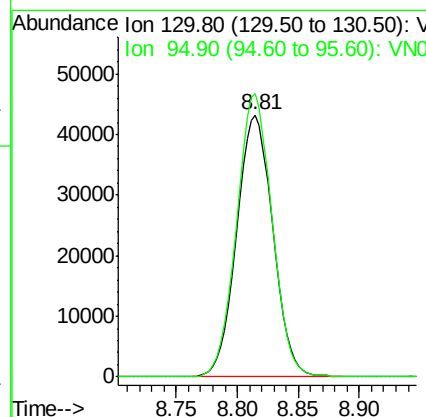
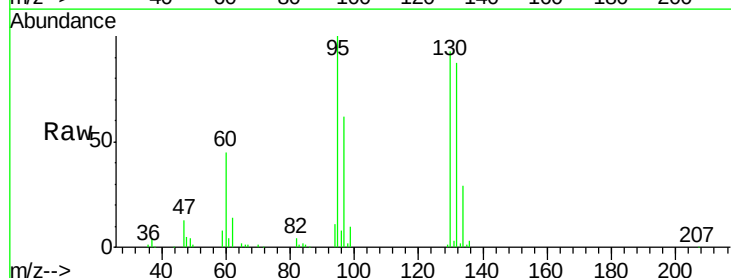
RT: 8.81 min Scan# 2190

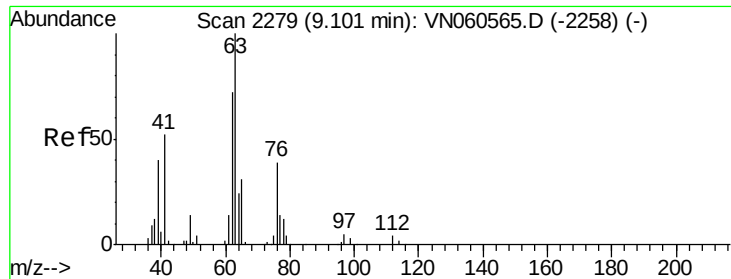
Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	130	Resp:	89031
Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	211.2





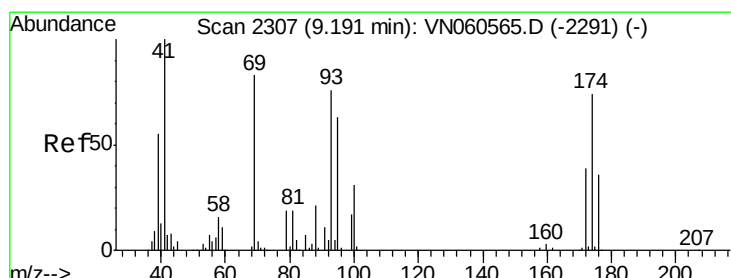
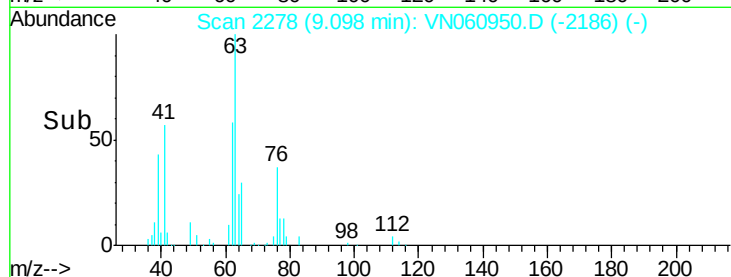
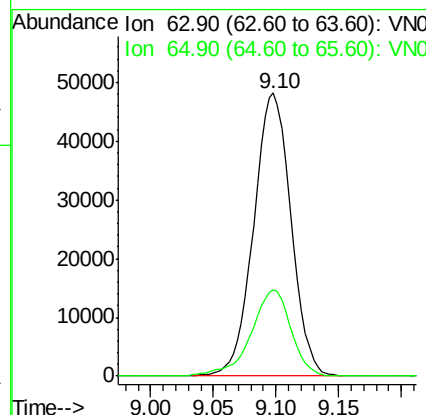
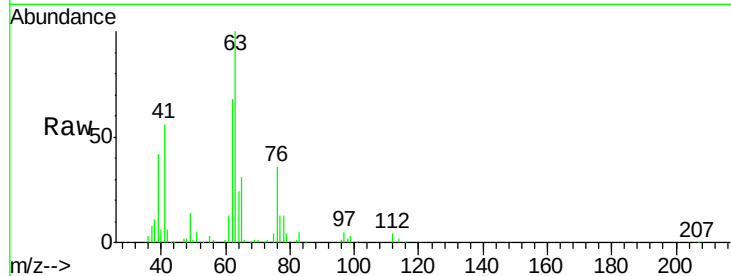
#45
 1,2-Dichloropropane
 Concen: 57.416 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 99891
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0

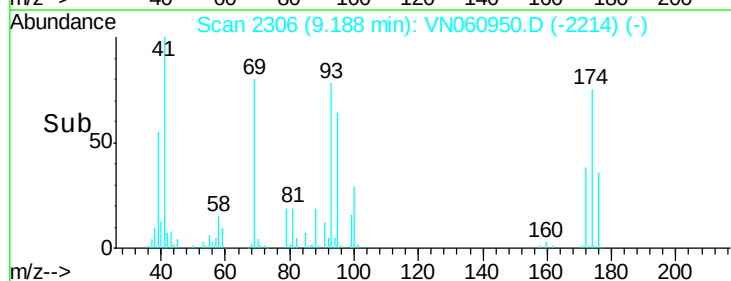
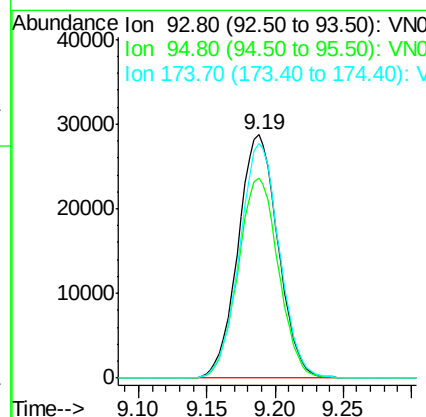
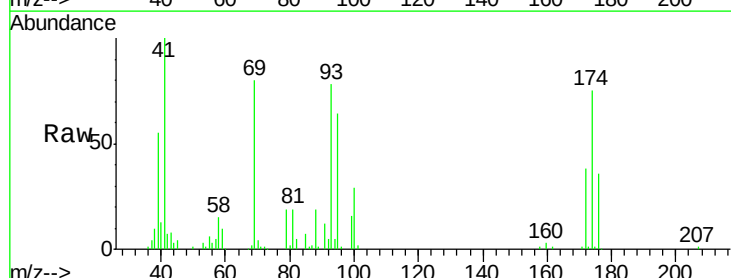
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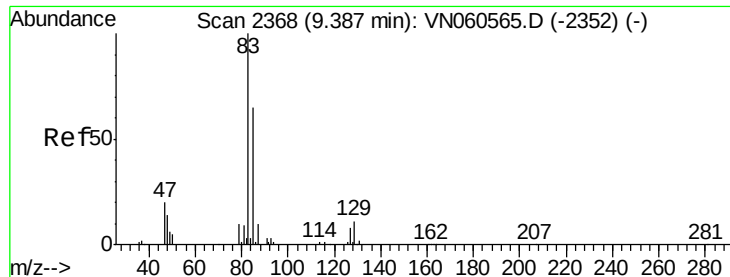
MMDadoda
 4/16/2020 11:15:48 AM



#46
 Dibromomethane
 Concen: 55.544 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion: 93 Resp: 58421
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 96.0 77.9 116.9





#47

Bromodichloromethane

Concen: 57.273 ug/l

RT: 9.38 min Scan# 2366

Delta R.T. -0.01 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

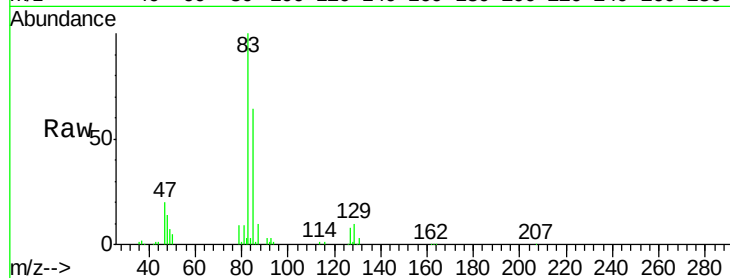
ClientSampleId :

VSTDCCC050

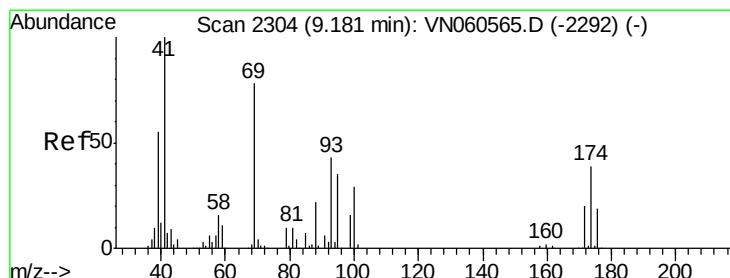
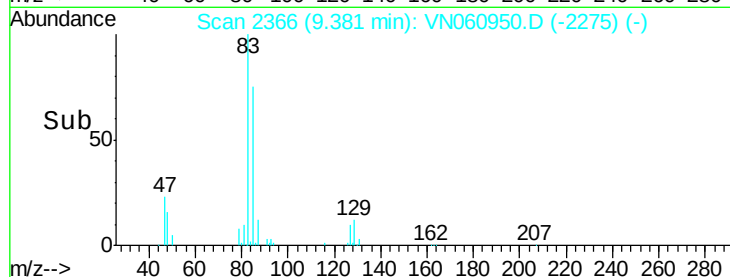
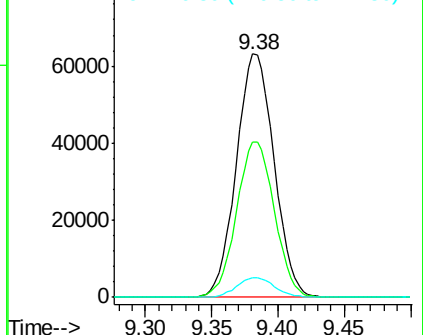
Tot Ion:	83	Resp:	125178
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	8.2	6.5	9.7

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Abundance Ion 82.90 (82.60 to 83.60): VN060950.D (-2275) (-)



#48

Methyl methacrylate

Concen: 56.127 ug/l

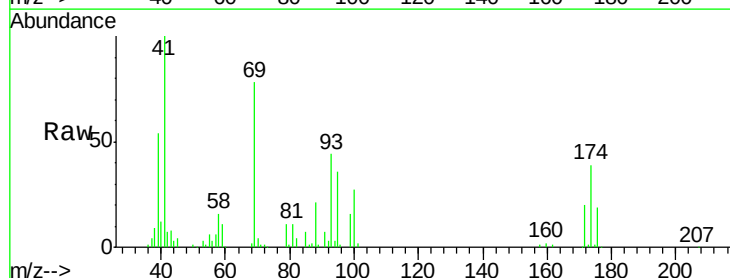
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

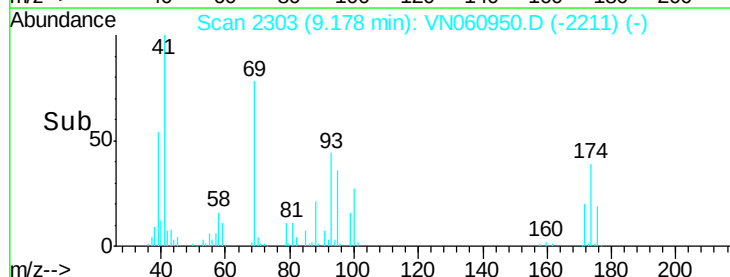
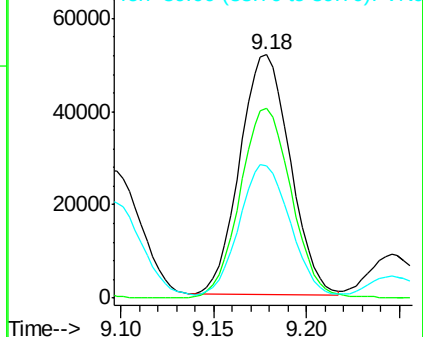
Lab File: VN060950.D

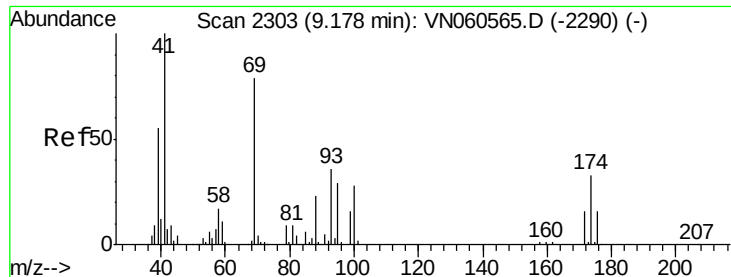
Acq: 15 Apr 2020 10:15

Tgt Ion:	41	Resp:	97260
Ion	Ratio	Lower	Upper
41	100		
69	80.4	65.4	98.0
39	57.1	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060950.D (-2211) (-)





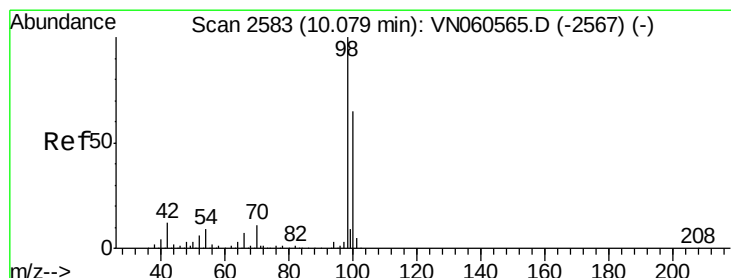
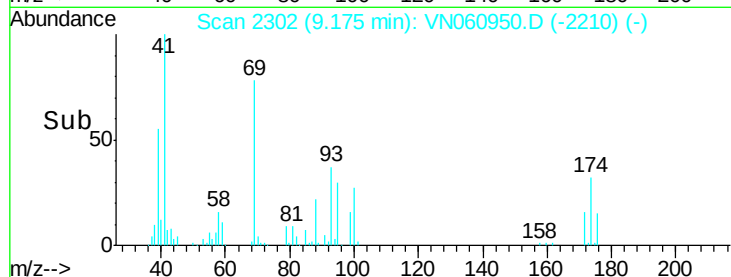
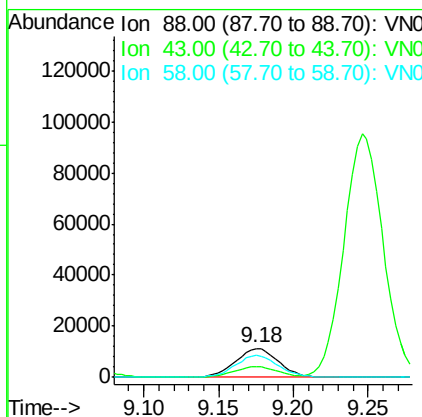
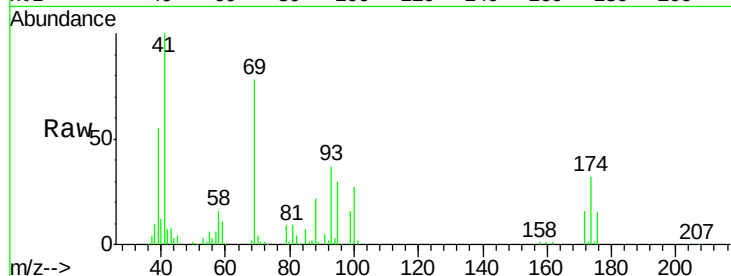
#49
1,4-Dioxane
Concen: 1094.668 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.8	46.2
58	76.8	59.8	89.8

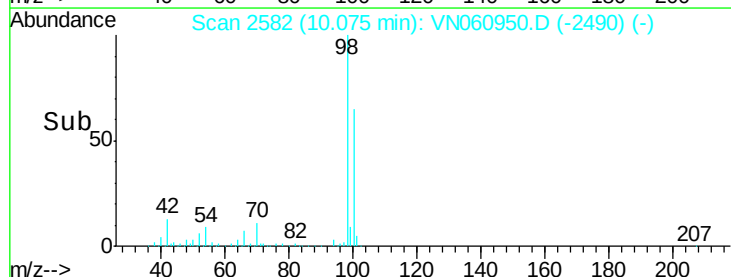
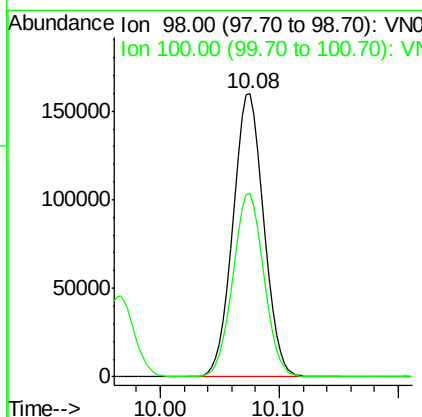
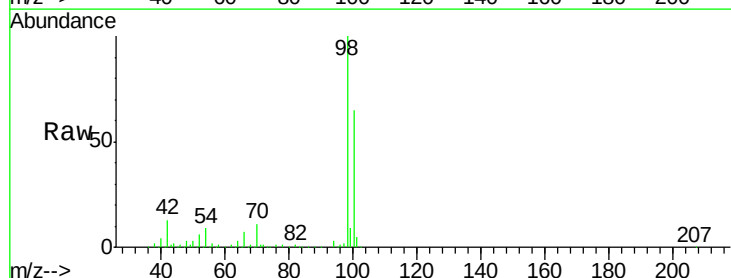
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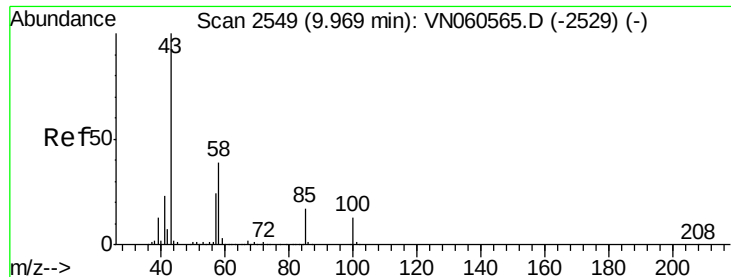
MMDadoda
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#50
Toluene-d8
Concen: 51.579 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 289.854 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 641958

Ion Ratio Lower Upper

43 100

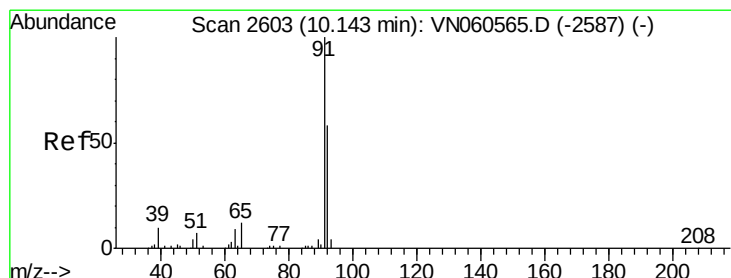
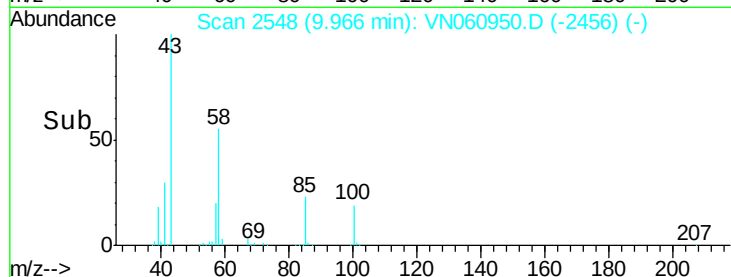
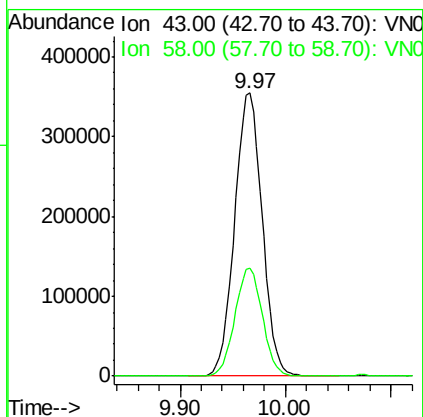
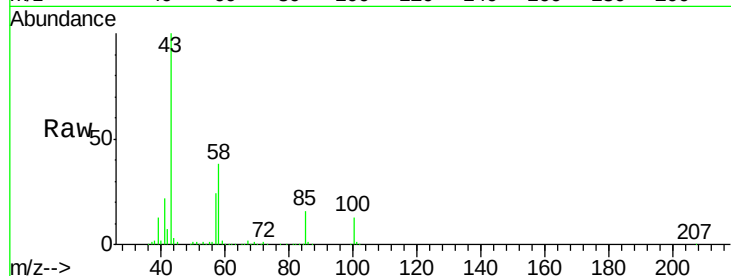
58 37.9 30.8 46.2

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#52

Toluene

Concen: 54.004 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060950.D

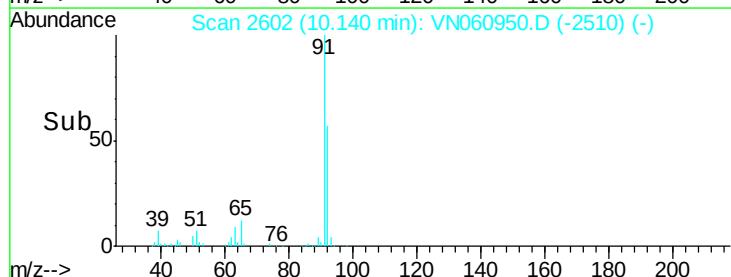
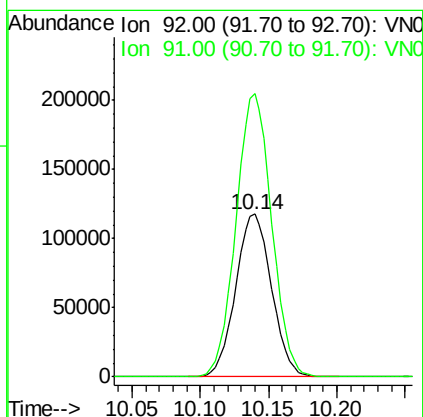
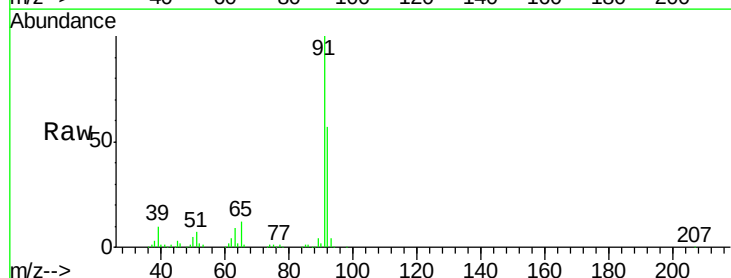
Acq: 15 Apr 2020 10:15

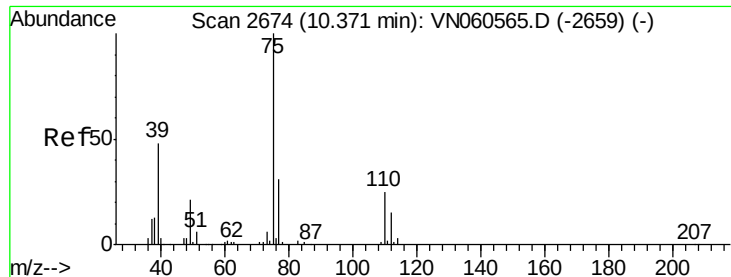
Tgt Ion: 92 Resp: 215040

Ion Ratio Lower Upper

92 100

91 172.8 137.6 206.4





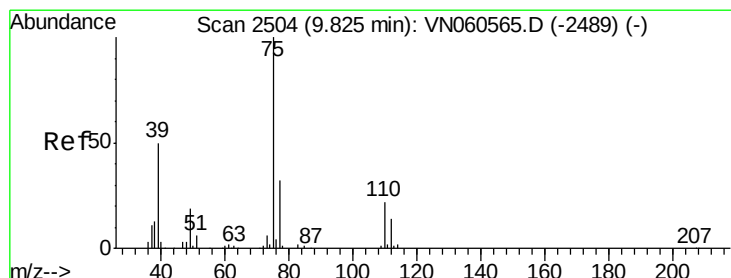
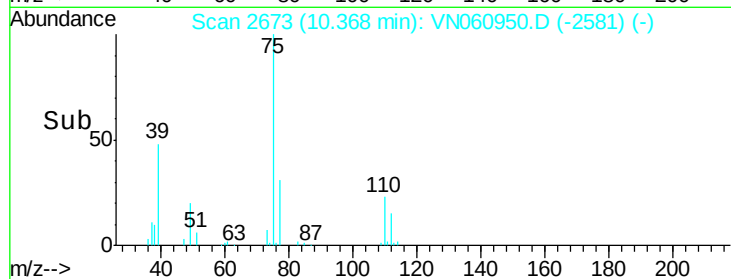
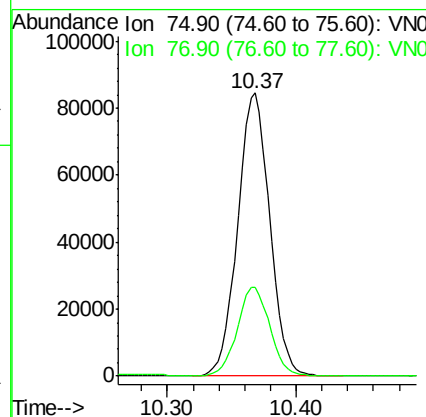
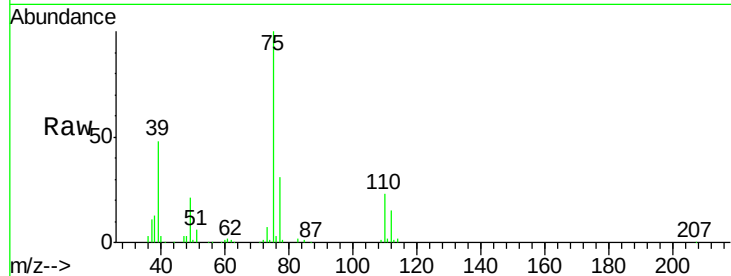
#53
t-1,3-Dichloropropene
Concen: 58.083 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 145822
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7

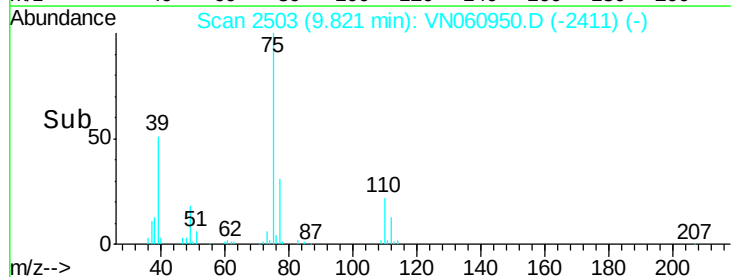
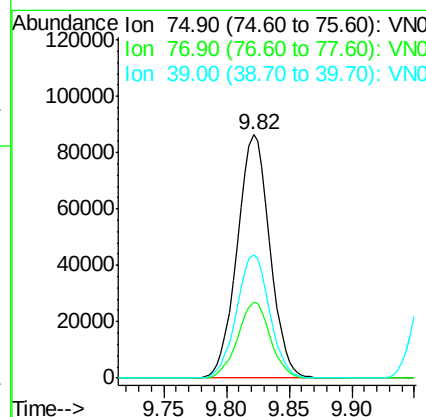
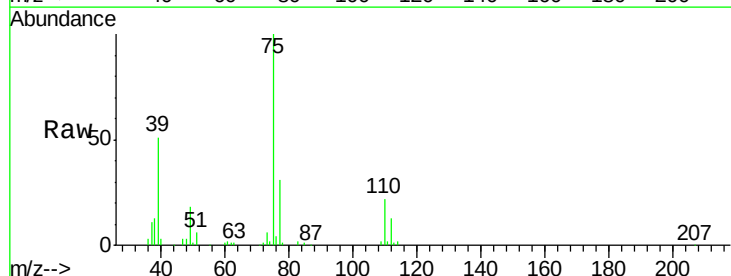
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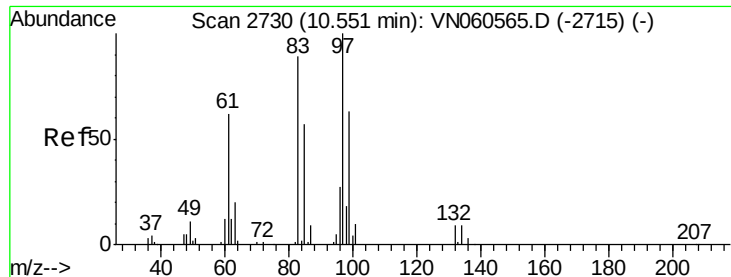
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#54
cis-1,3-Dichloropropene
Concen: 56.701 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion: 75 Resp: 156169
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 50.8 40.2 60.4





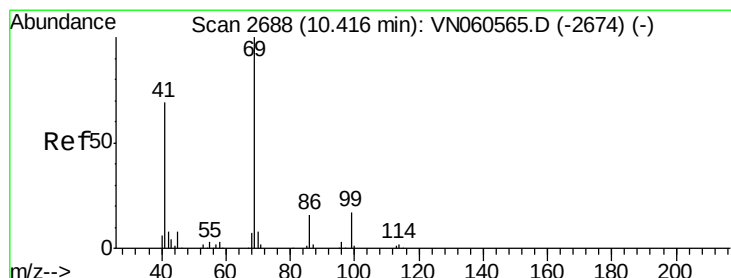
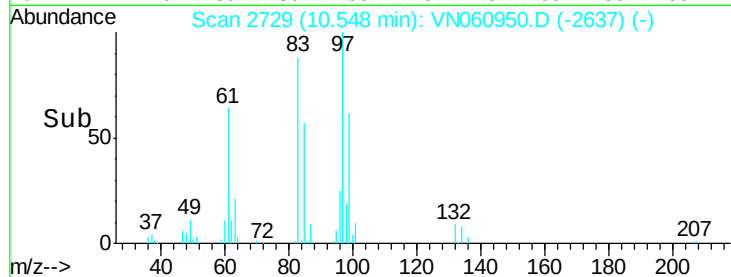
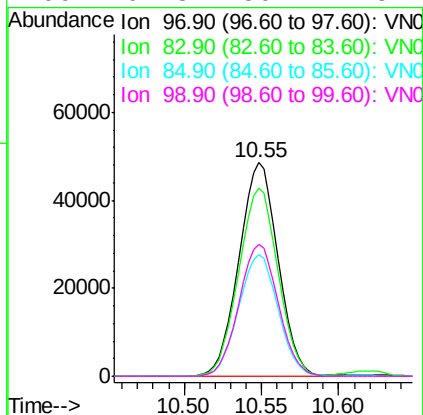
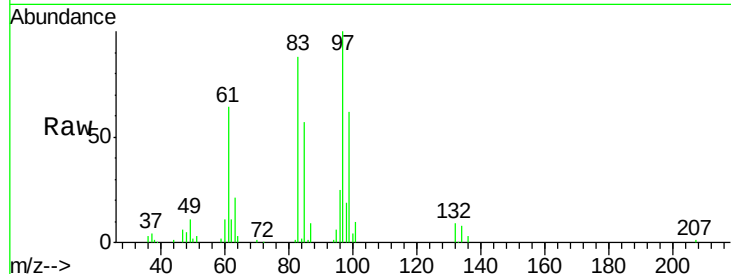
#55
 1,1,2-Trichloroethane
 Concen: 55.742 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	85391
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.3	106.9
85	56.9	45.2	67.8
99	61.8	50.1	75.1

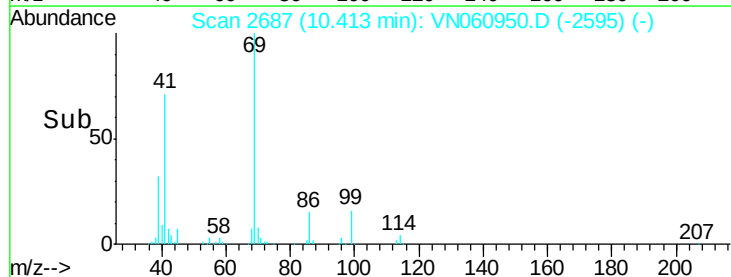
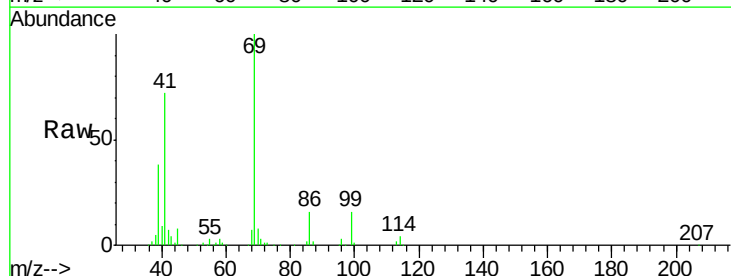
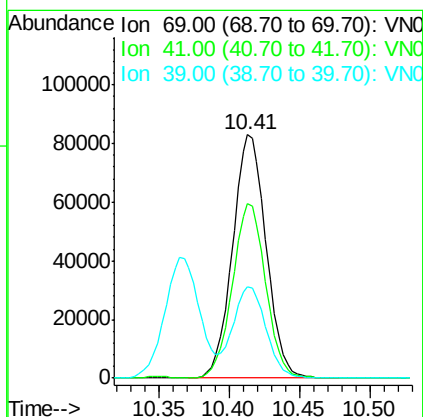
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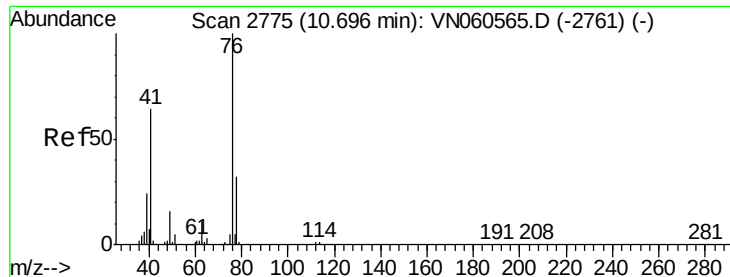
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 4/16/2020 11:15:48 AM



#56
 Ethyl methacrylate
 Concen: 57.820 ug/l
 RT: 10.41 min Scan# 2687
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion:	69	Resp:	138109
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.4	83.2
39	38.0	29.4	44.0





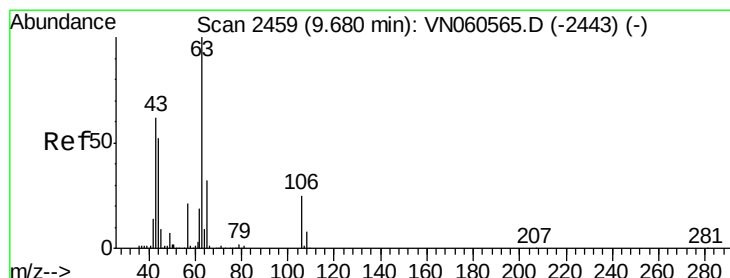
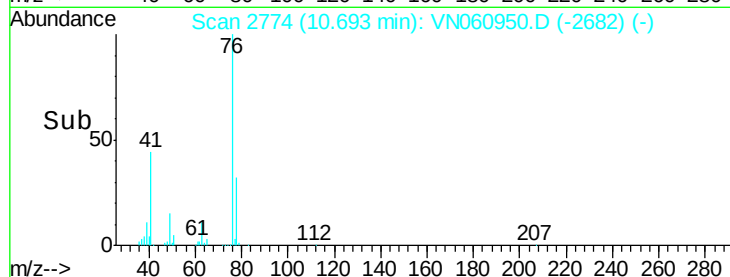
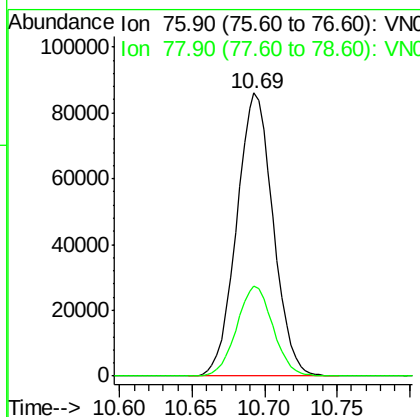
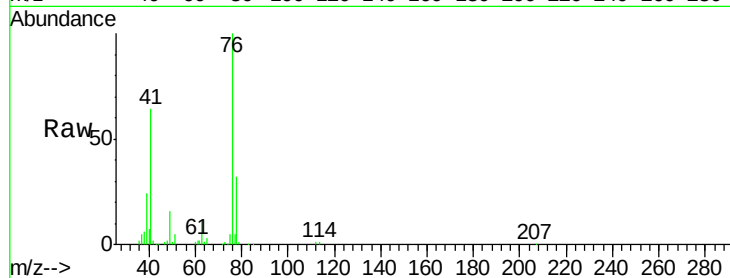
#57
 1,3-Dichloropropane
 Concen: 56.433 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

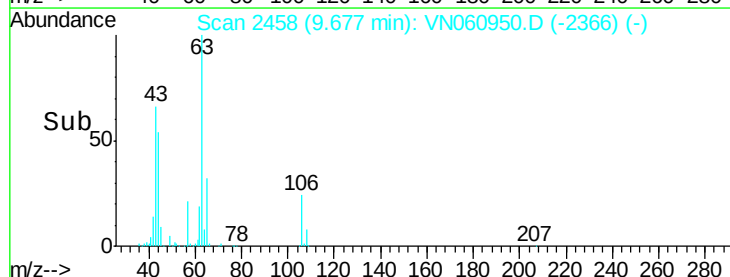
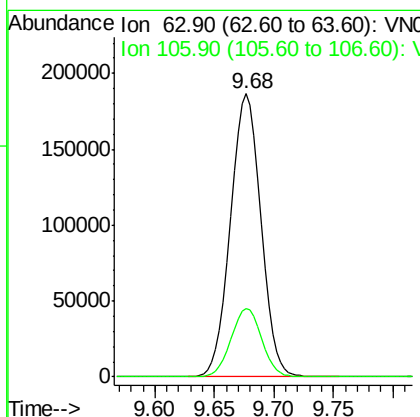
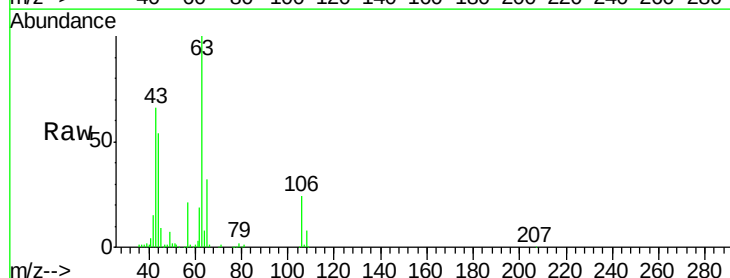
Manual Integrations
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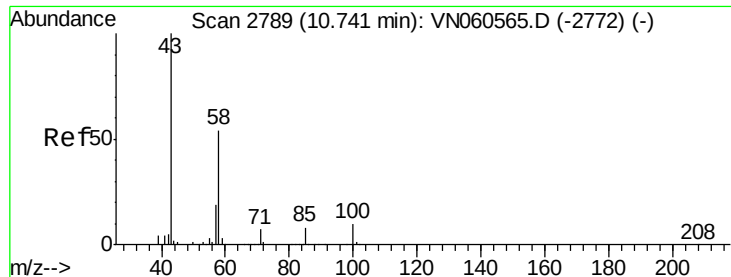
MMDadoda
 4/16/2020 11:15:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.023 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	20.0	30.0





#59

2-Hexanone

Concen: 308.726 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 492544

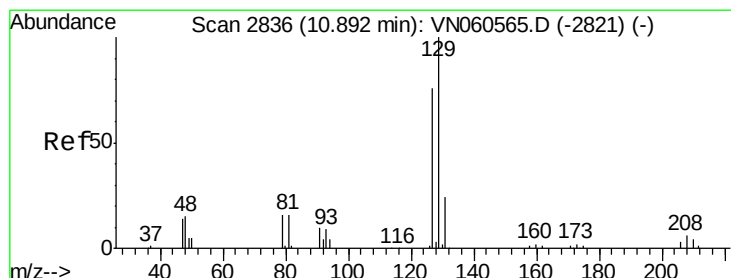
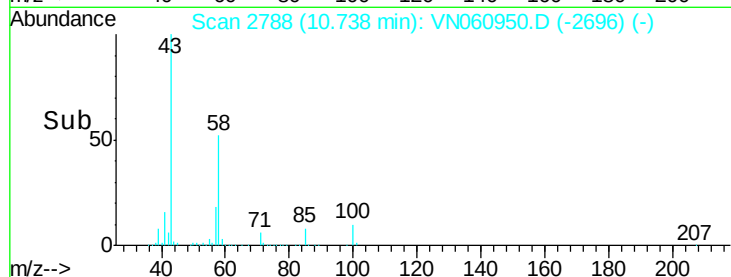
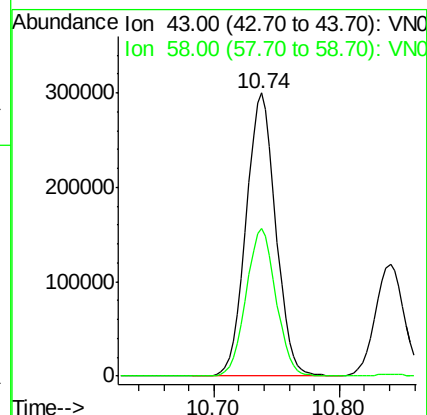
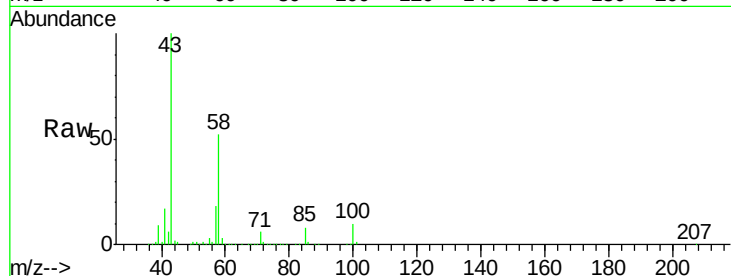
Ion Ratio Lower Upper

43 100

58 52.5 26.7 80.1

Manual Integrations
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MMDadoda
4/16/2020 11:15:48 AM



#60

Dibromochloromethane

Concen: 56.601 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN060950.D

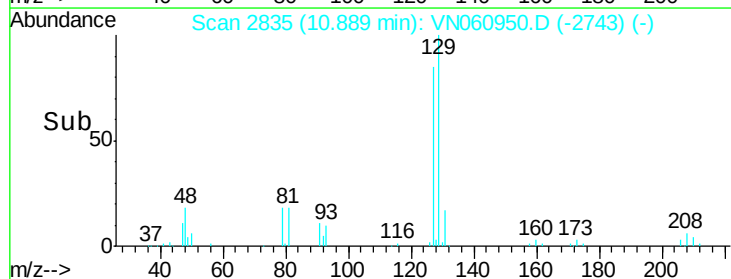
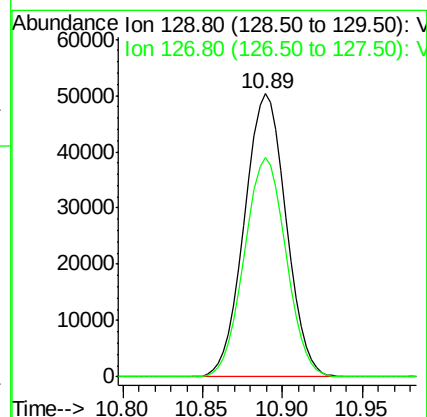
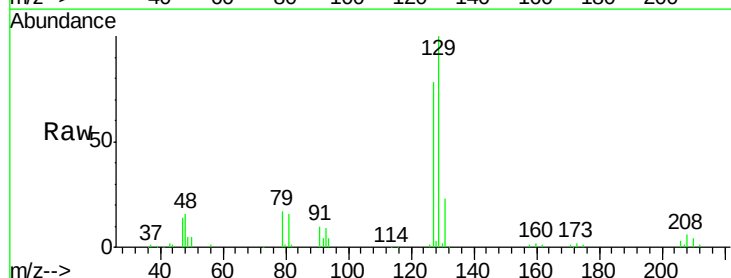
Acq: 15 Apr 2020 10:15

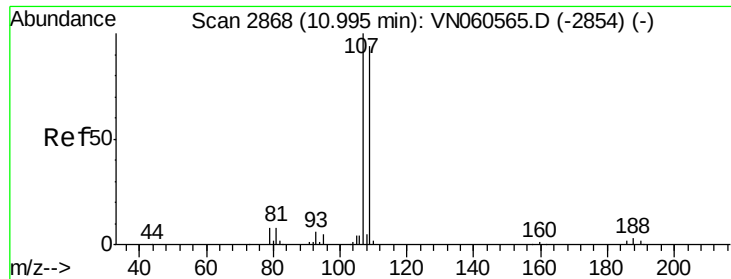
Tgt Ion: 129 Resp: 89564

Ion Ratio Lower Upper

129 100

127 77.5 38.5 115.5





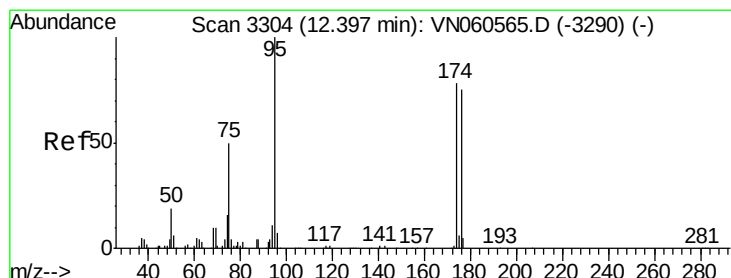
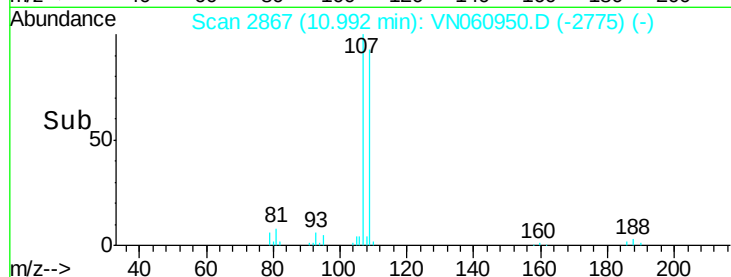
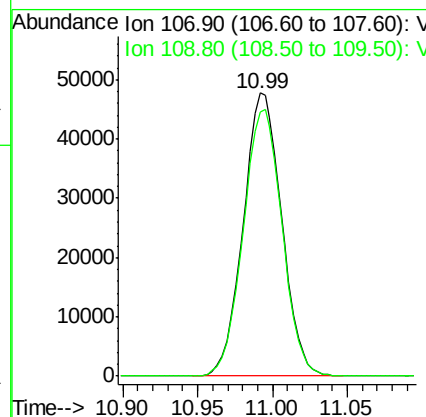
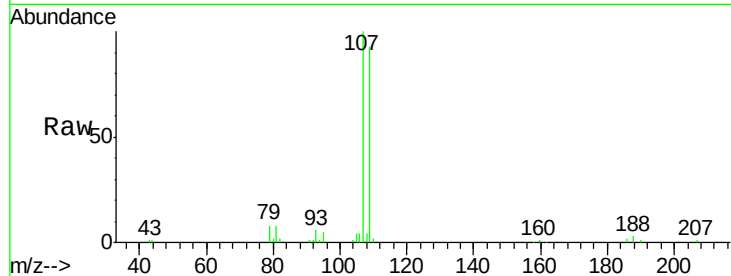
#61
 1,2-Dibromoethane
 Concen: 55.400 ug/l
 RT: 10.99 min Scan# 2867
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.2

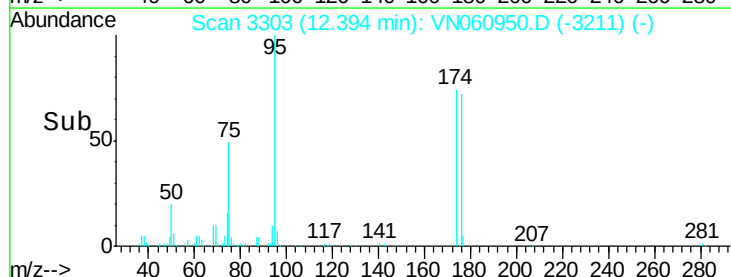
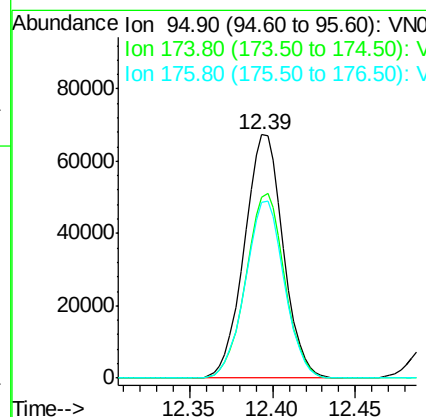
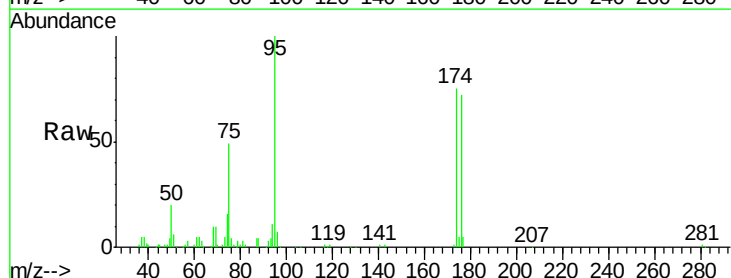
Manual Integrations
 APPROVED

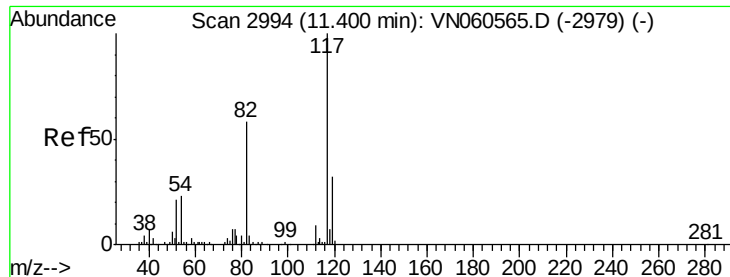
MMDadoda
 4/16/2020 11:15:48 AM



#62
 4-Bromofluorobenzene
 Concen: 53.655 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	157.6
176	73.0	0.0	150.6





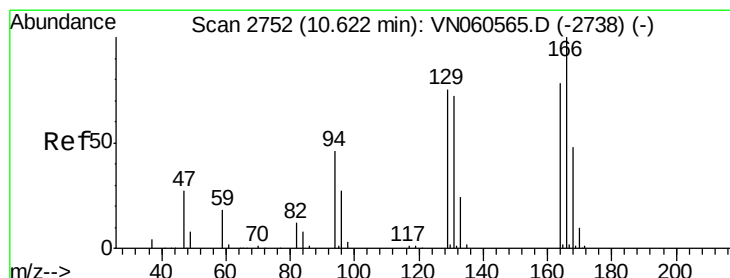
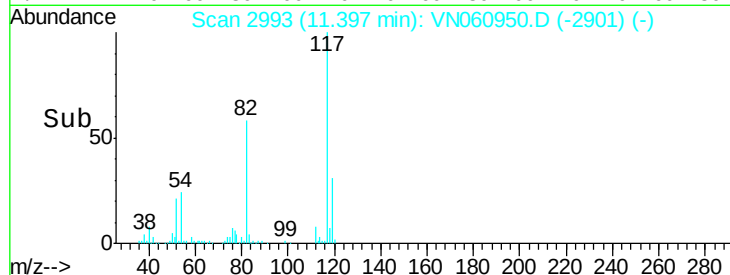
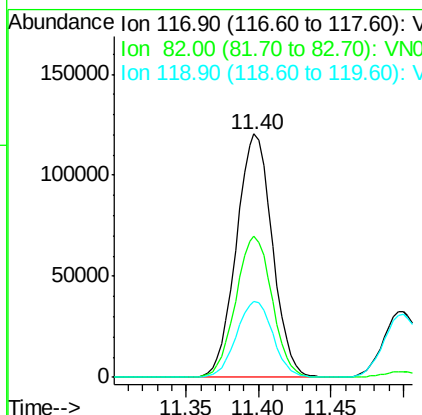
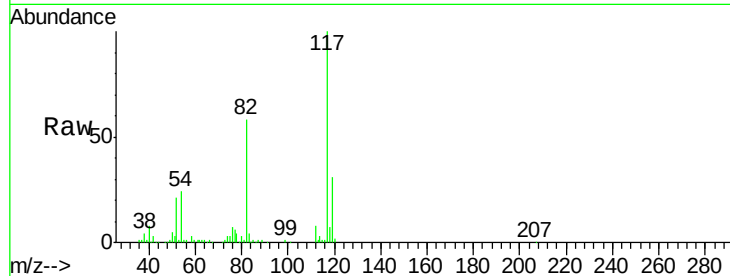
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.7	70.1
119	31.4	25.5	38.3

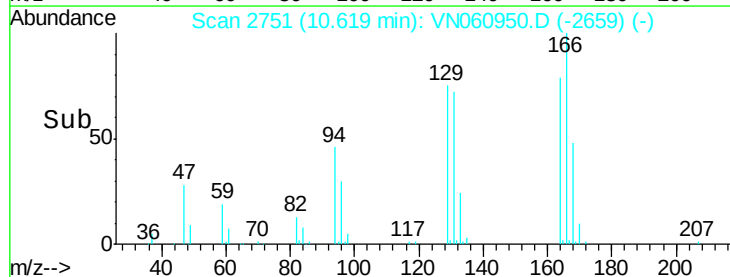
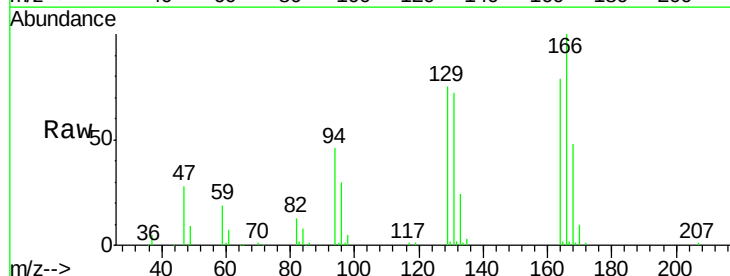
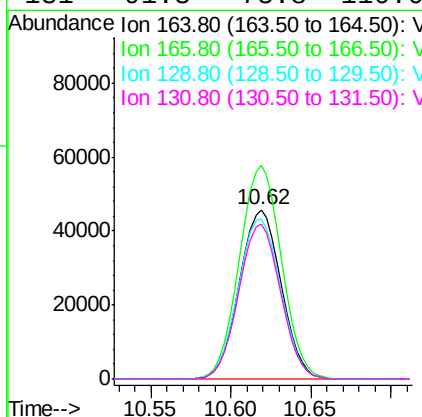
Manual Integrations
APPROVED

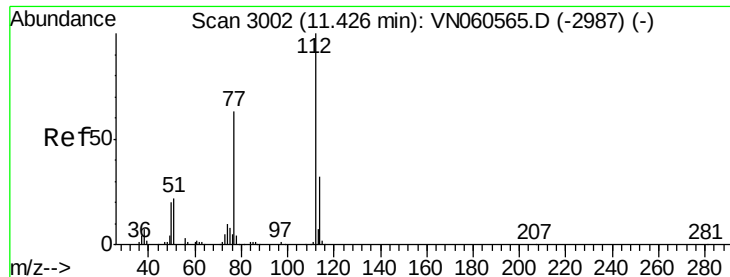
MMDadoda
4/16/2020 11:15:48 AM



#64
Tetrachloroethene
Concen: 49.829 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.7	154.1
129	94.7	77.2	115.8
131	91.3	73.8	110.6





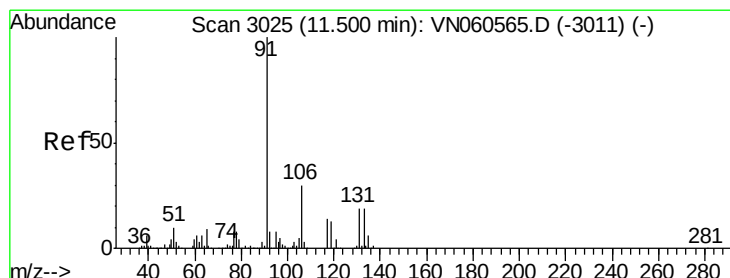
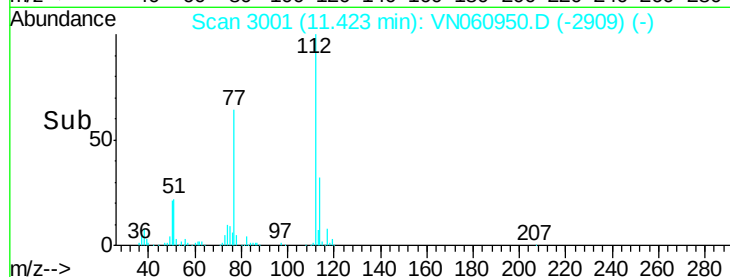
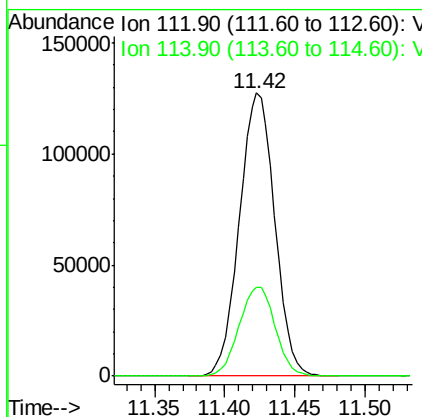
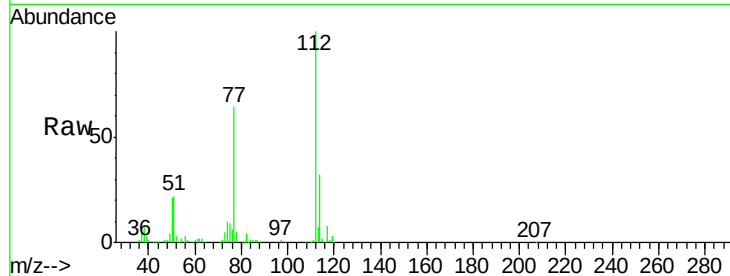
#65
Chlorobenzene
Concen: 54.206 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

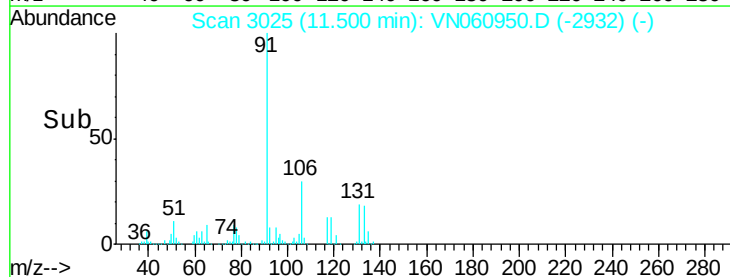
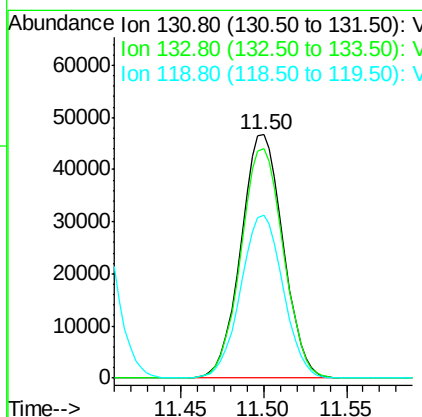
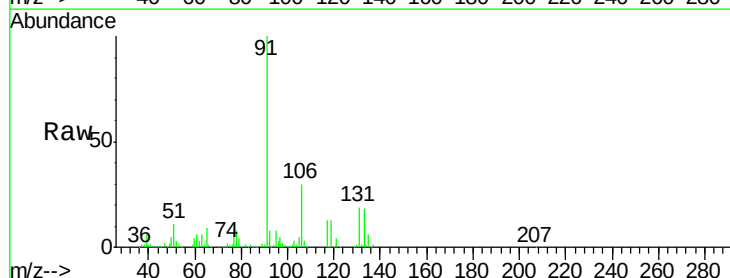
Manual Integrations
APPROVED

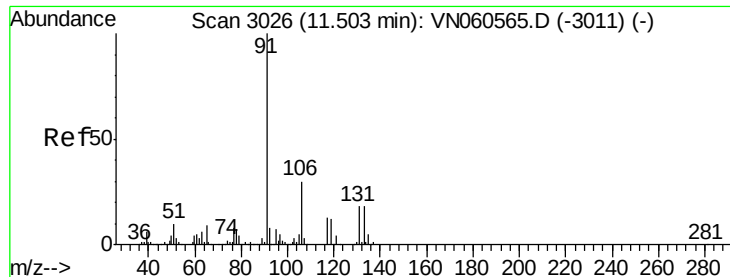
MMDadoda
4/16/2020 11:15:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.225 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.9	146.8
119	67.2	33.9	101.7





#67

Ethyl Benzene

Concen: 54.766 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 420382

Ion Ratio Lower Upper

91 100

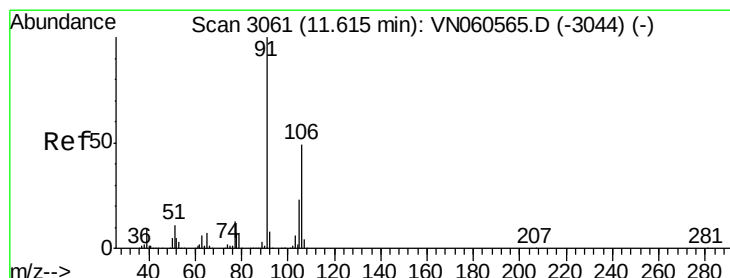
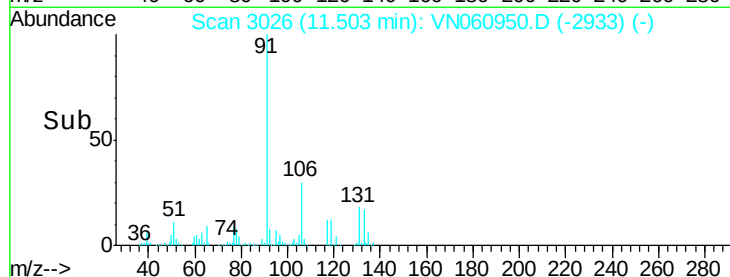
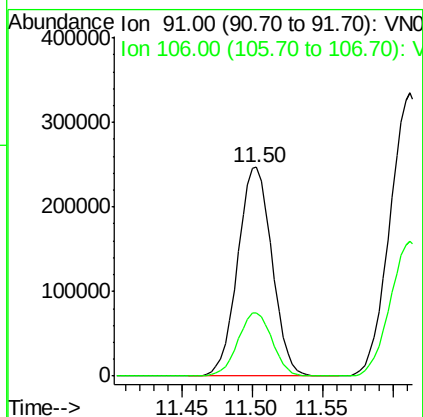
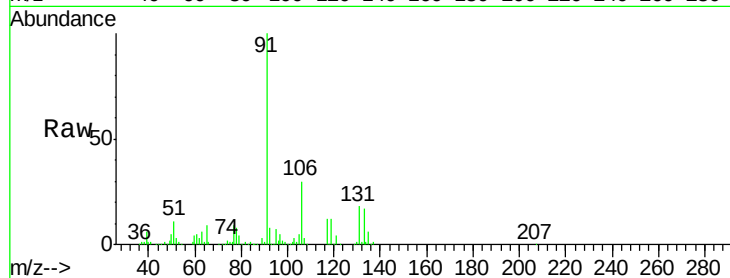
106 30.5 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.956 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060950.D

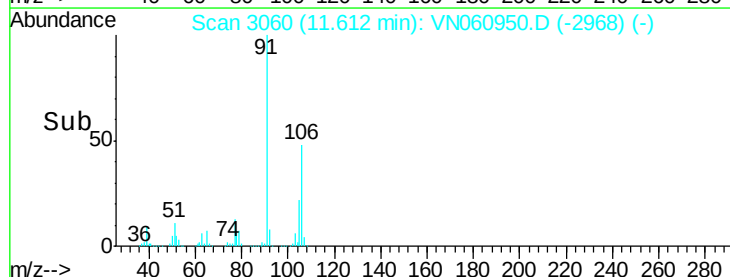
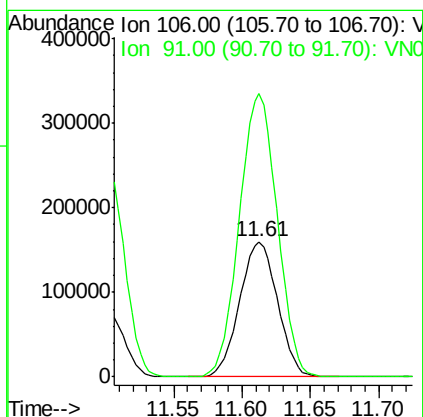
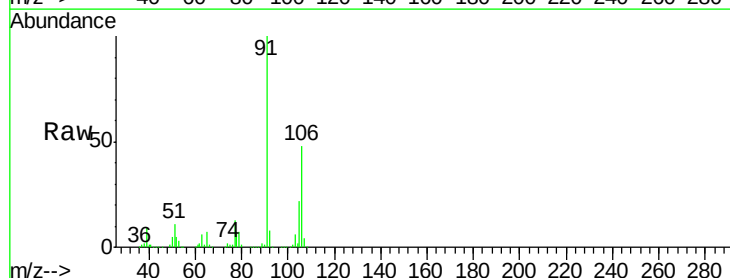
Acq: 15 Apr 2020 10:15

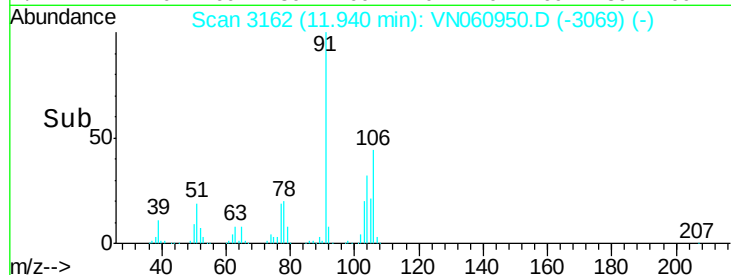
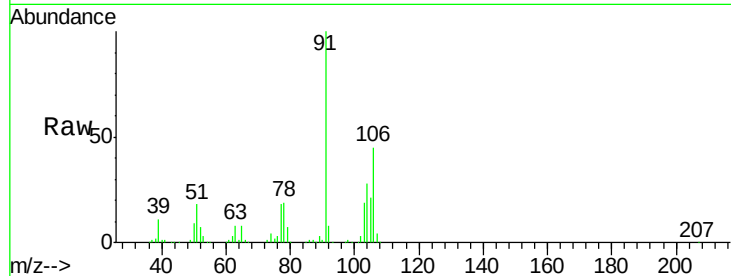
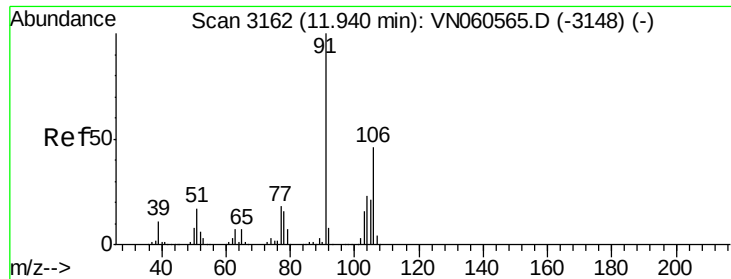
Tgt Ion: 106 Resp: 307938

Ion Ratio Lower Upper

106 100

91 209.7 165.0 247.4





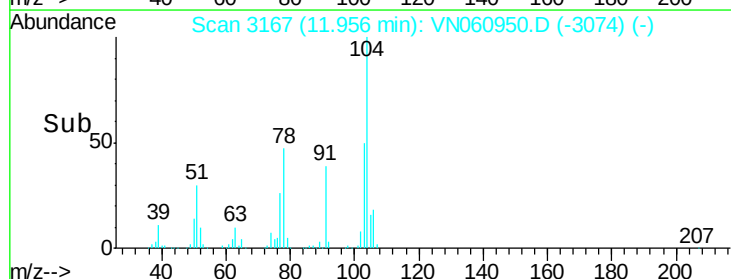
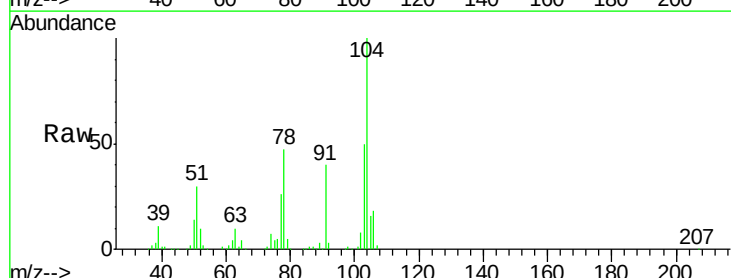
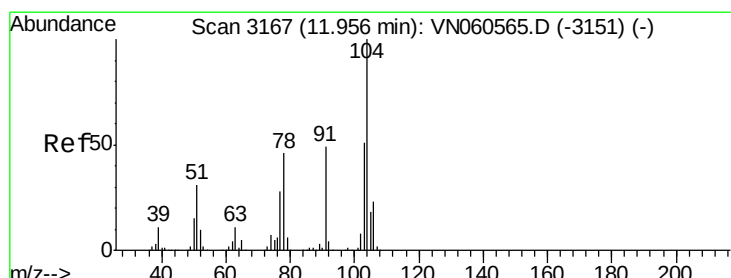
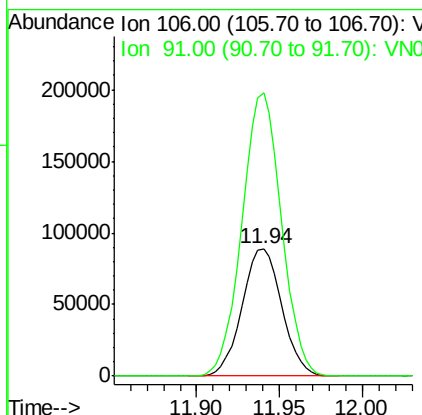
#69
o-Xylene
Concen: 54.528 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	148480		
91	220.1	109.5	328.4		

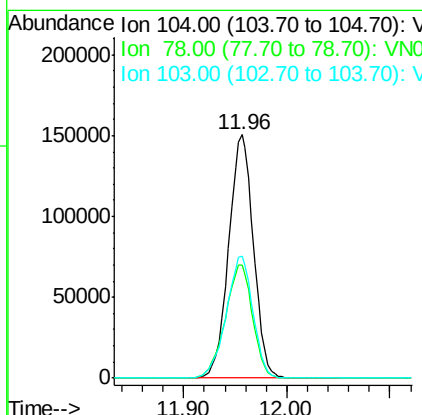
Manual Integrations
APPROVED

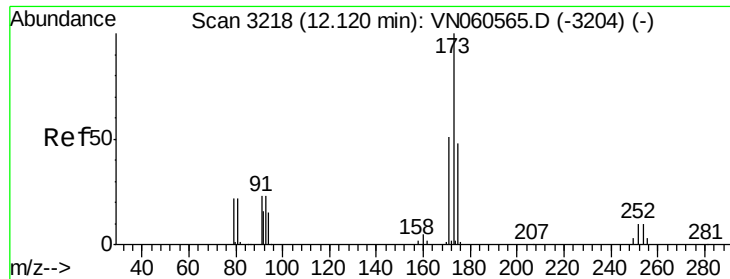
MMDadoda
4/16/2020 11:15:48 AM



#70
Styrene
Concen: 56.481 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	251535		
78	51.4	41.2	61.8		
103	54.1	44.0	66.0		





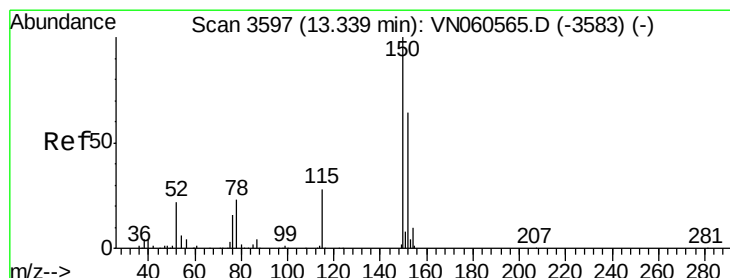
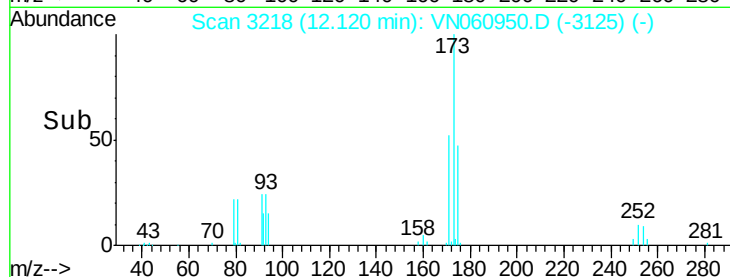
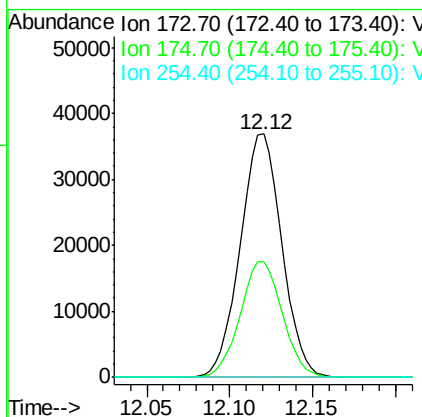
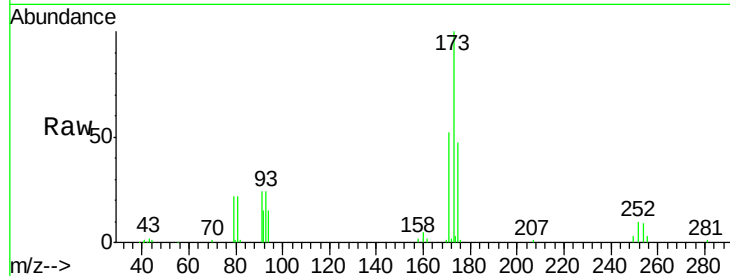
#71
Bromoform
Concen: 51.658 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.4
254	0.0	0.0	0.0

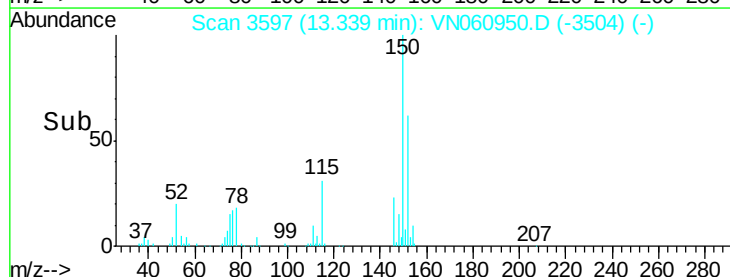
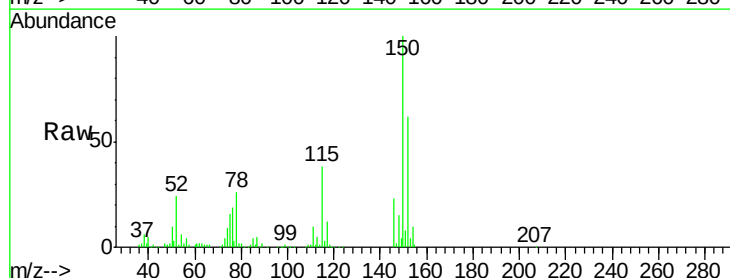
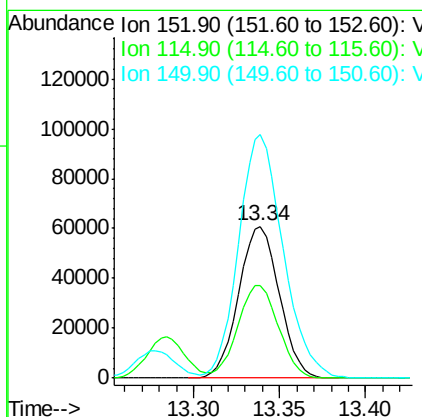
Manual Integrations
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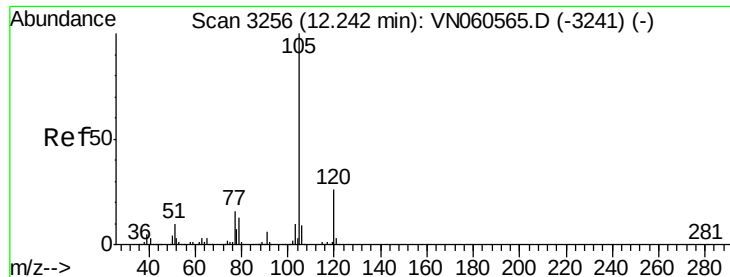
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.2	90.6
150	175.8	0.0	350.2





#73

Isopropylbenzene

Concen: 53.557 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 402090

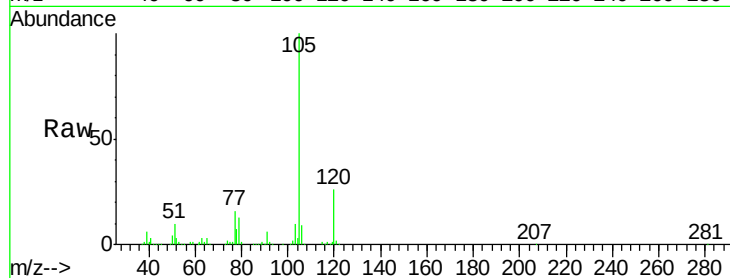
Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

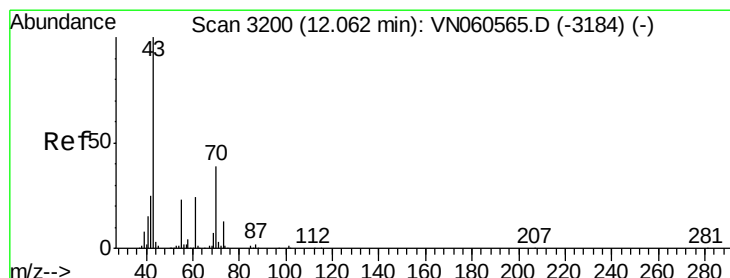
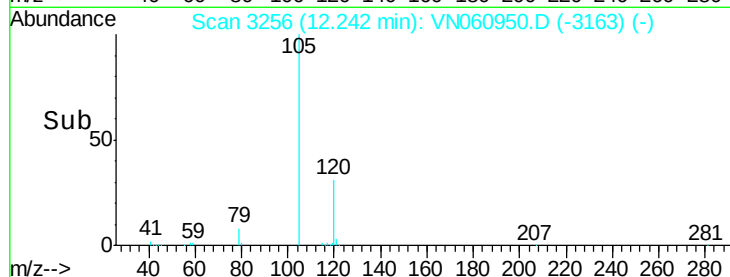
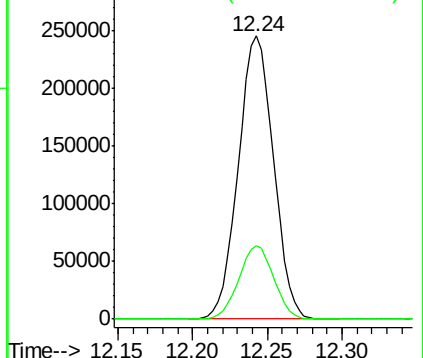
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.083 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion: 43 Resp: 191098

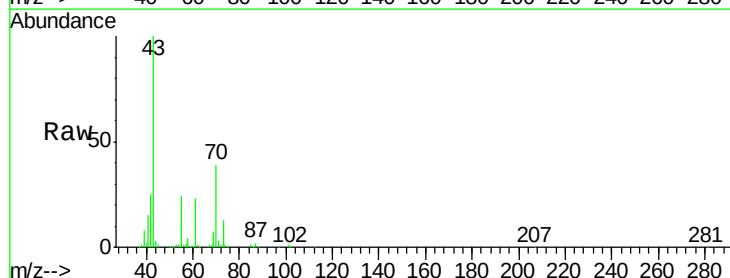
Ion Ratio Lower Upper

43 100

70 39.0 31.1 46.7

55 23.6 18.6 27.8

61 23.3 18.9 28.3

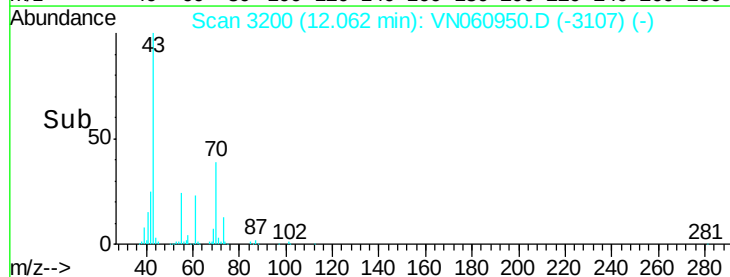
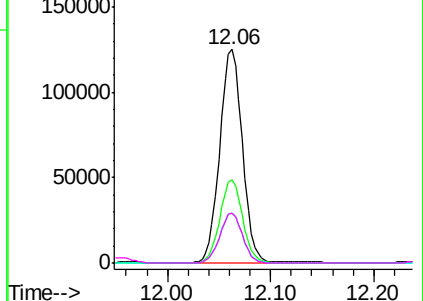


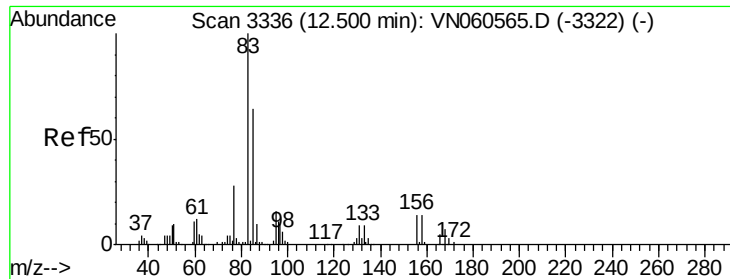
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 55.207 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

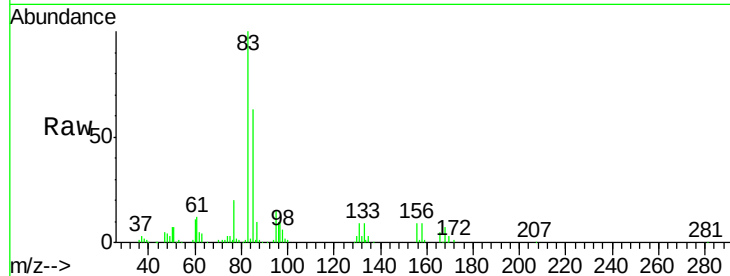
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	125342
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.6	32.5	97.4

Manual Integrations
APPROVED

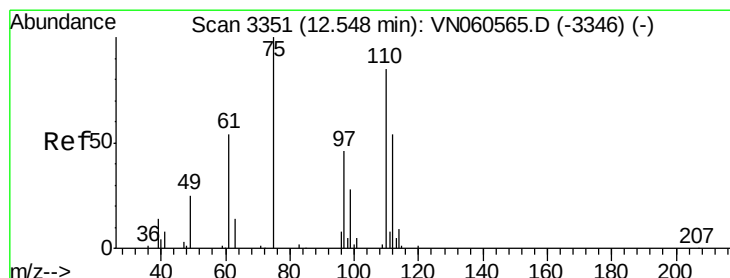
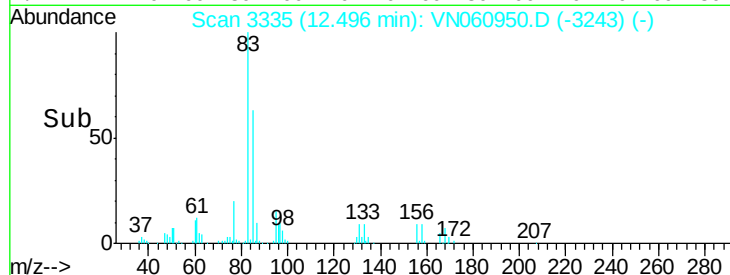
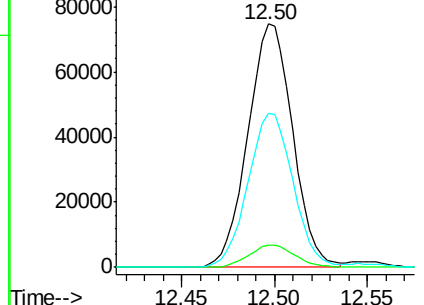
MMDadoda
4/16/2020 11:15:48 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060950.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060950.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060950.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 50.774 ug/l m

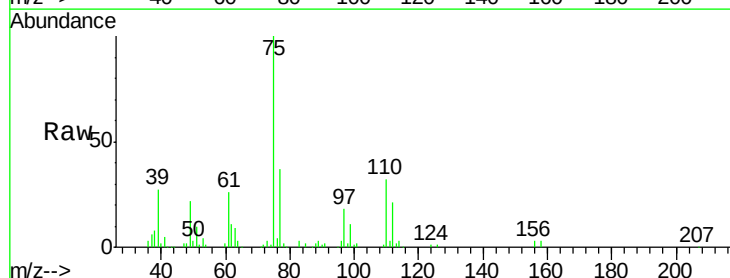
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060950.D

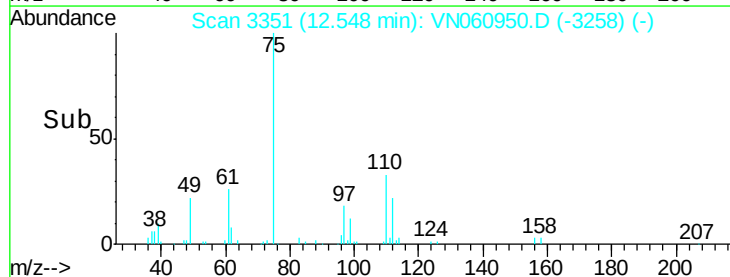
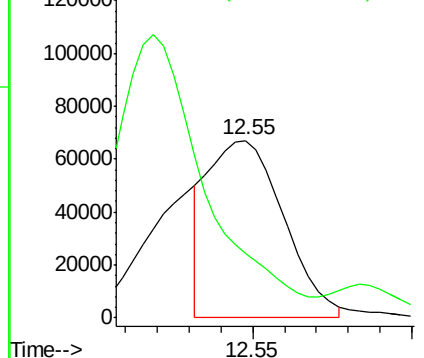
Acq: 15 Apr 2020 10:15

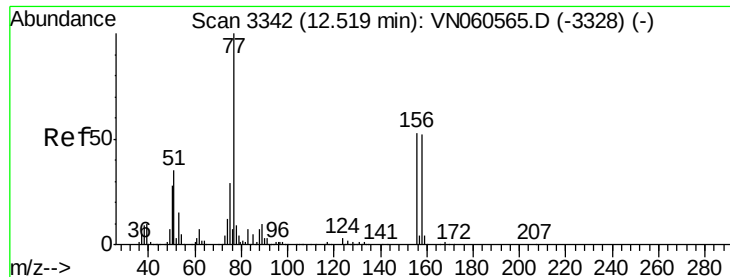
Tgt Ion:	75	Resp:	109606
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060950.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060950.D (-3258) (-)





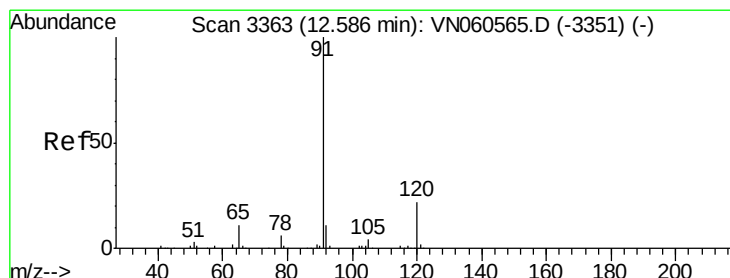
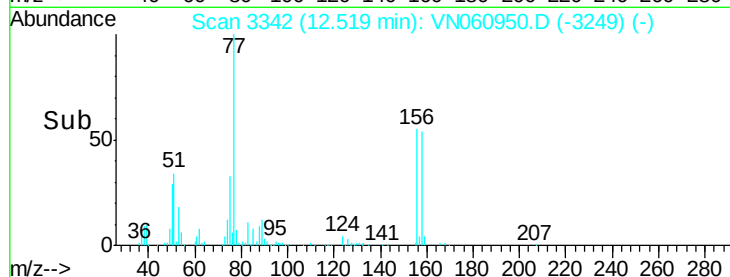
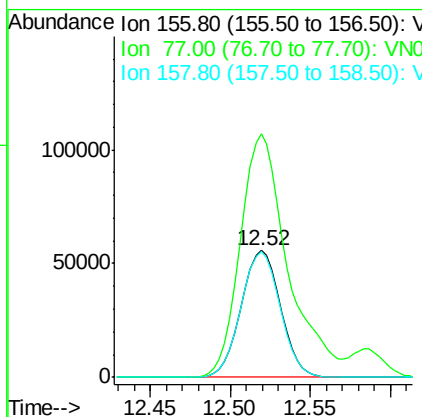
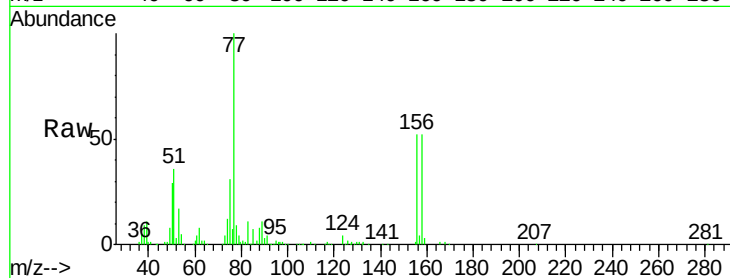
#77
Bromobenzene
Concen: 51.877 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.9	112.3	337.0
158	98.2	48.6	145.8

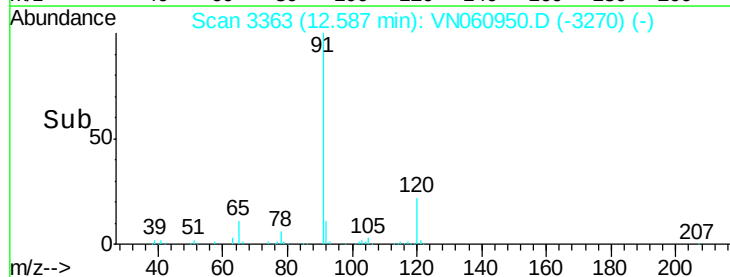
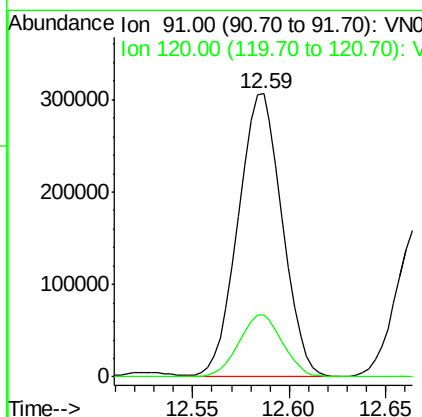
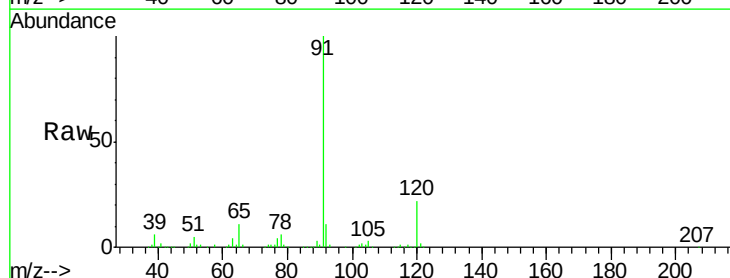
Manual Integrations
APPROVED

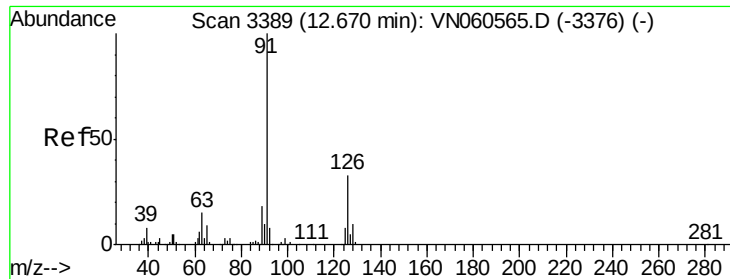
MMDadoda
4/16/2020 11:15:48 AM



#78
n-propylbenzene
Concen: 54.688 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 53.058 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 281198

Ion Ratio Lower Upper

91 100

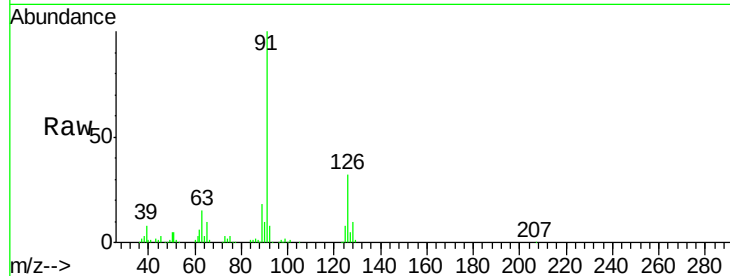
126 32.6 16.4 49.1

Manual Integrations

APPROVED

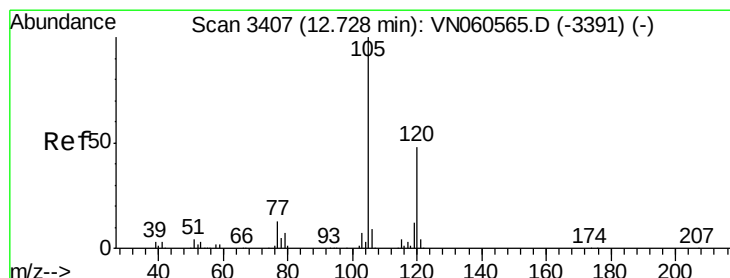
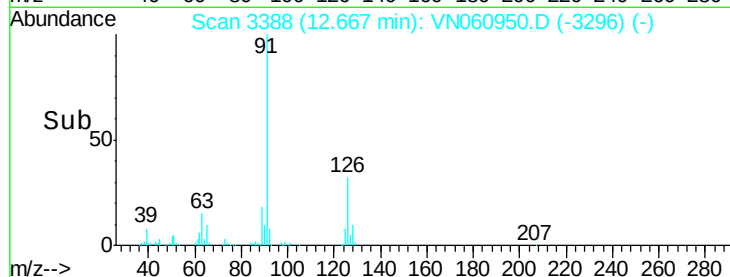
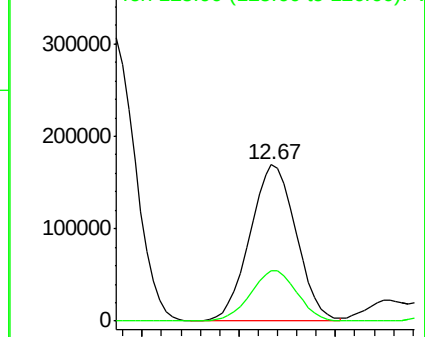
MMDadoda

4/16/2020 11:15:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060950.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060950.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.725 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060950.D

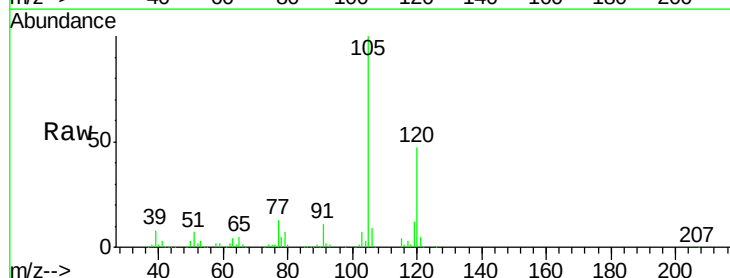
Acq: 15 Apr 2020 10:15

Tgt Ion: 105 Resp: 342298

Ion Ratio Lower Upper

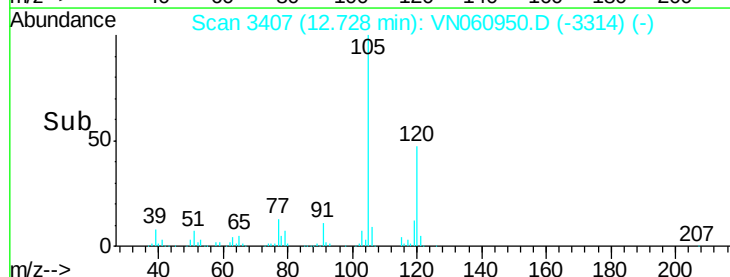
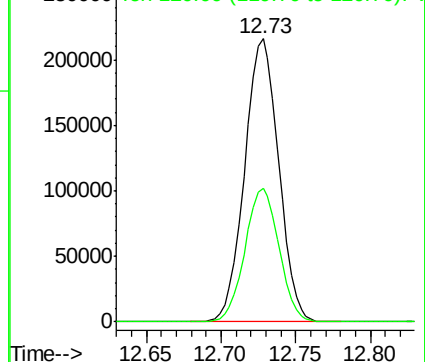
105 100

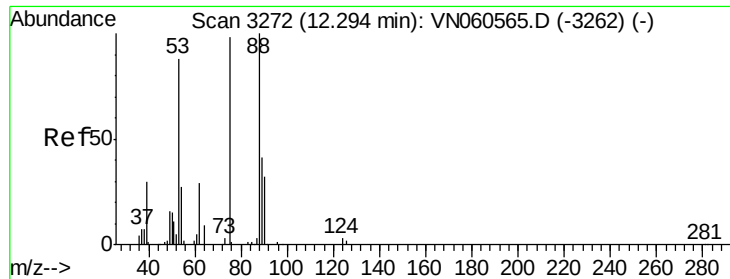
120 47.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060950.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060950.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.604 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

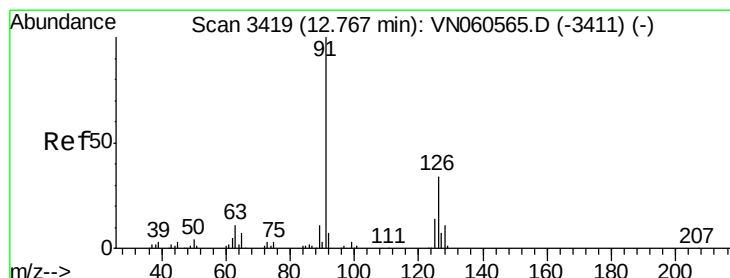
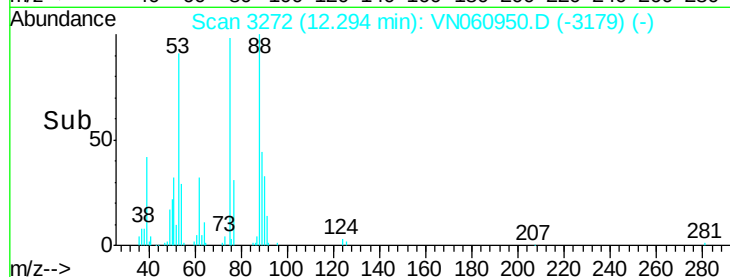
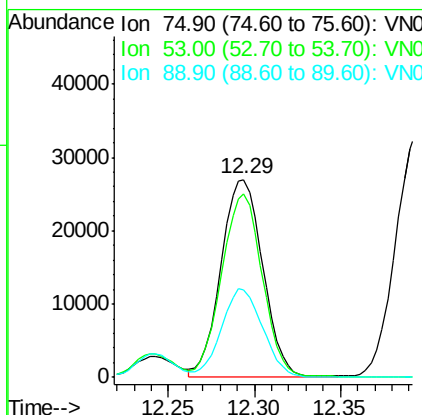
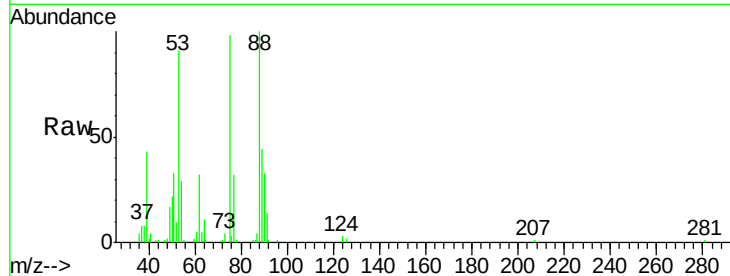
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	45896
Ion	Ratio	Lower	Upper
75	100		
53	90.2	73.0	109.4
89	44.1	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.957 ug/l

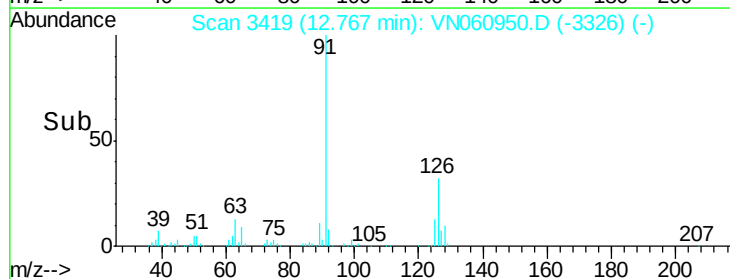
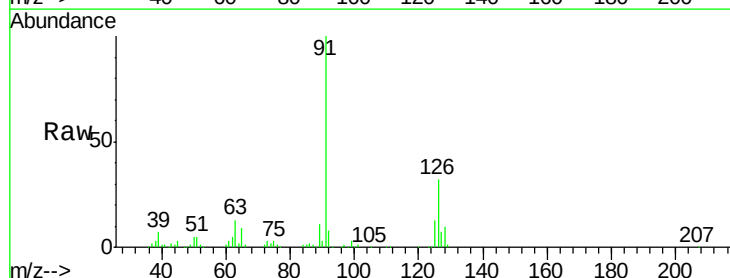
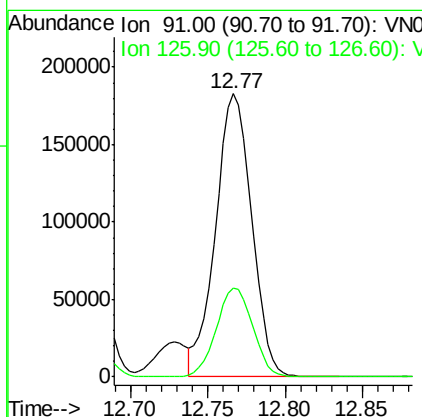
RT: 12.77 min Scan# 3419

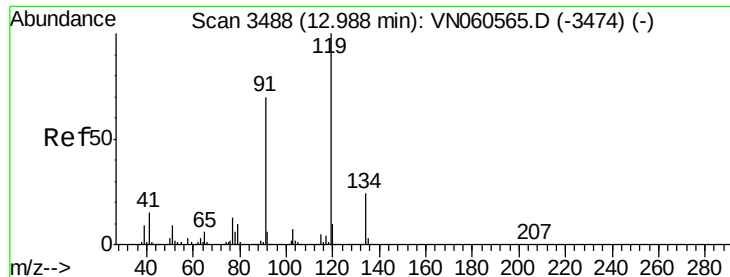
Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion:	91	Resp:	296644
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.5





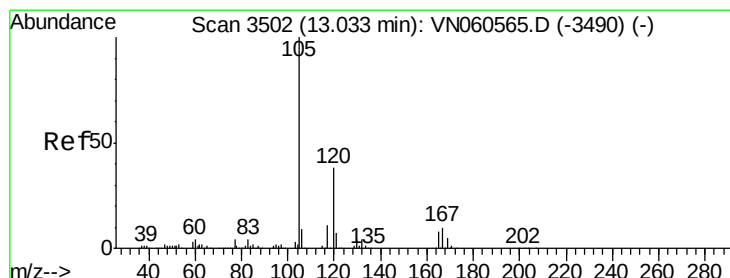
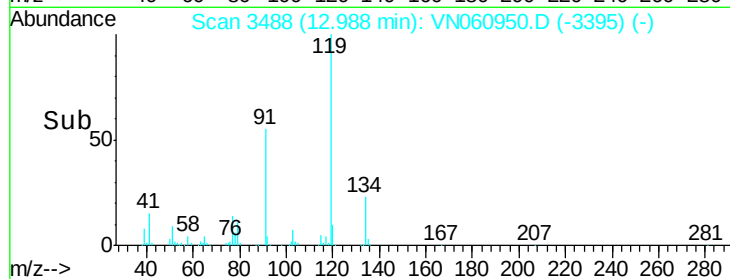
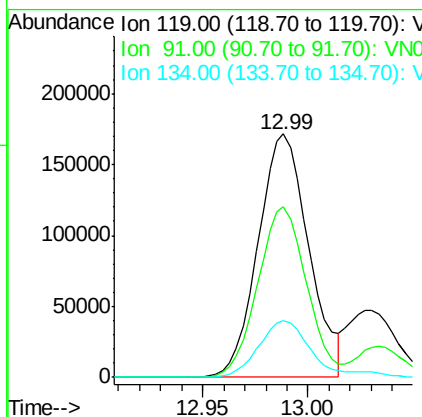
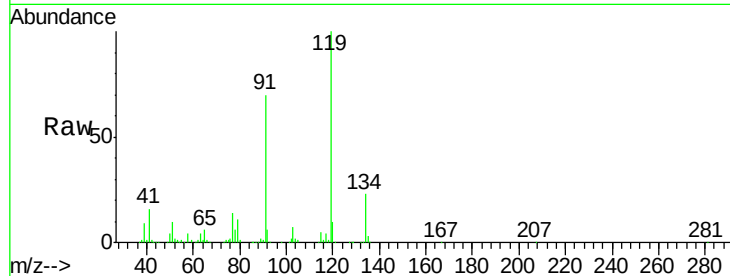
#83
 tert-Butylbenzene
 Concen: 54.272 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	24.7	12.7	38.0

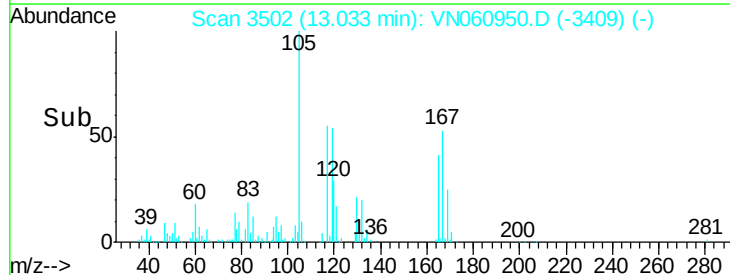
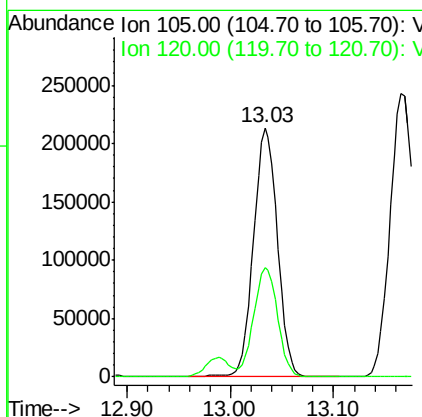
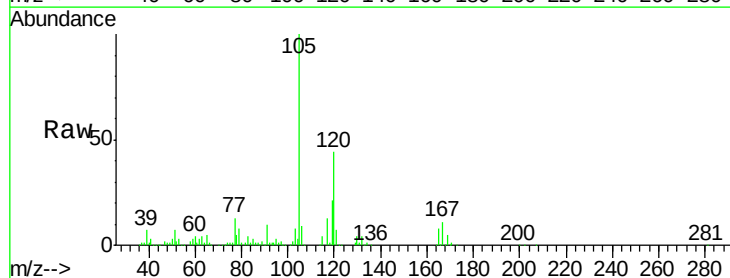
Manual Integrations
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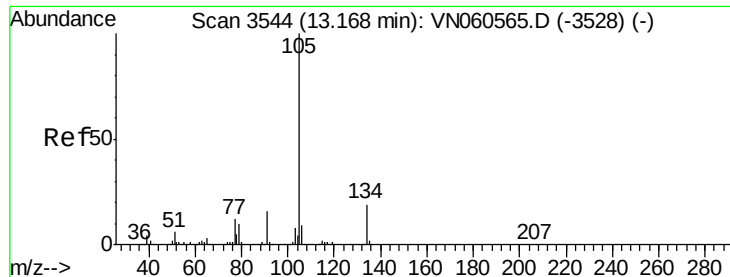
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.248 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 55.400 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 393462

Ion Ratio Lower Upper

105 100

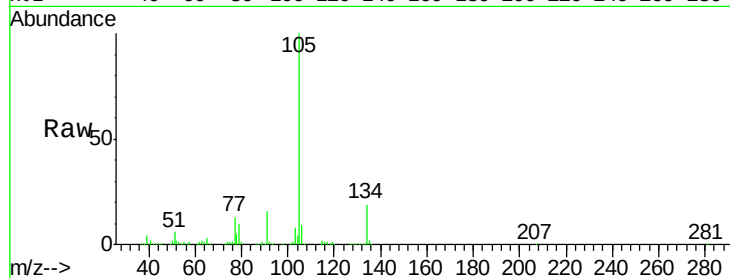
134 18.8 9.6 28.8

Manual Integrations

APPROVED

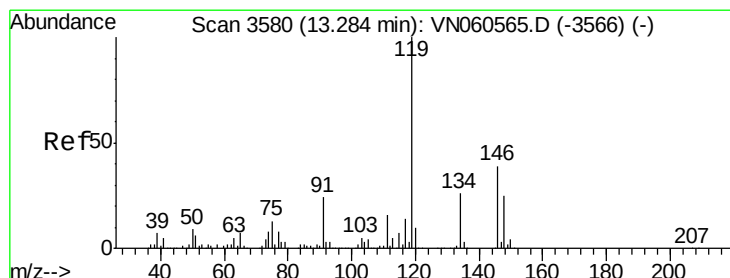
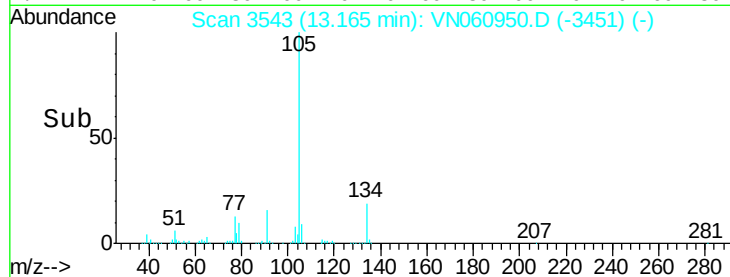
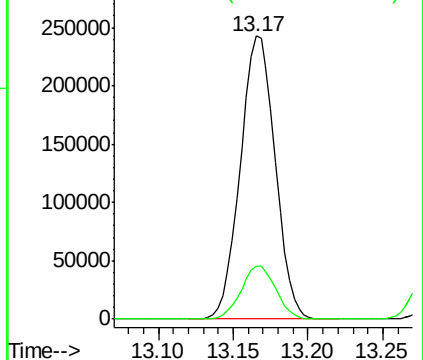
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.208 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

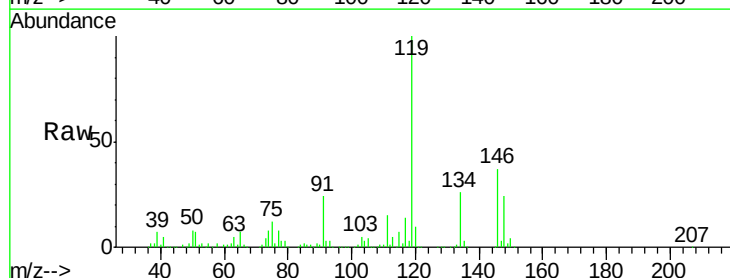
Tgt Ion:119 Resp: 352582

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

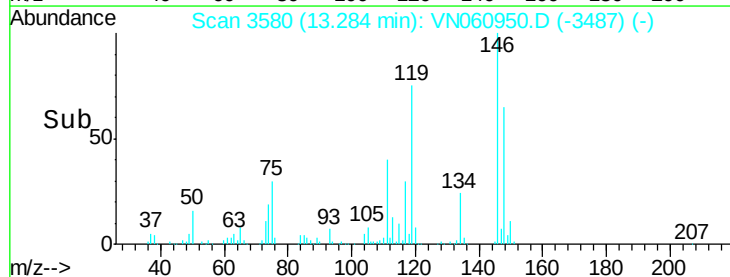
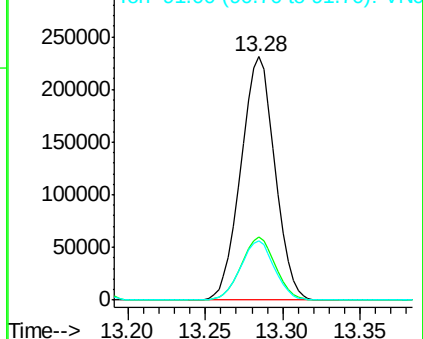
91 24.3 12.0 36.0

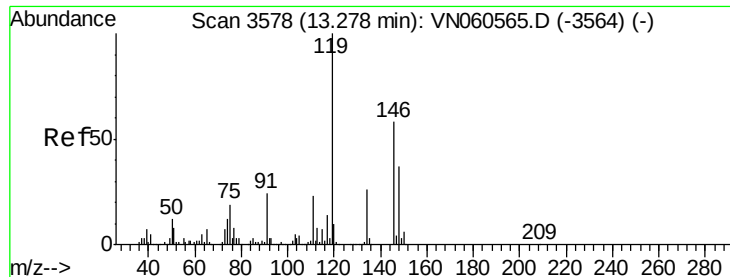


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.472 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060950.D

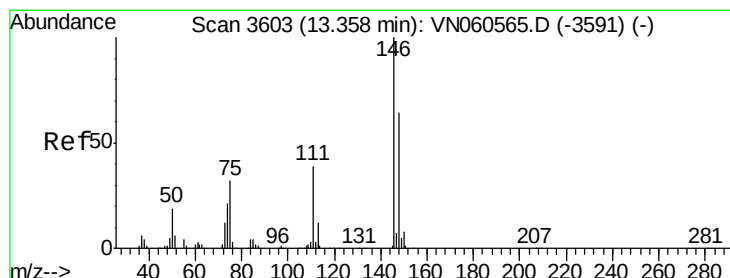
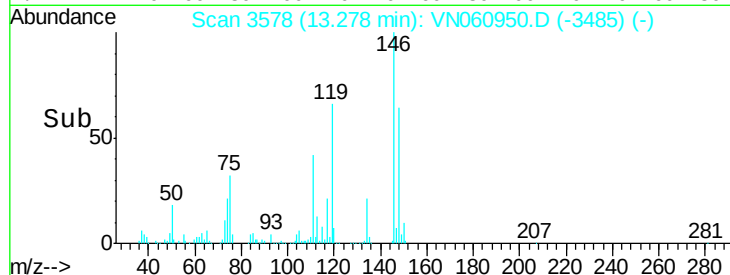
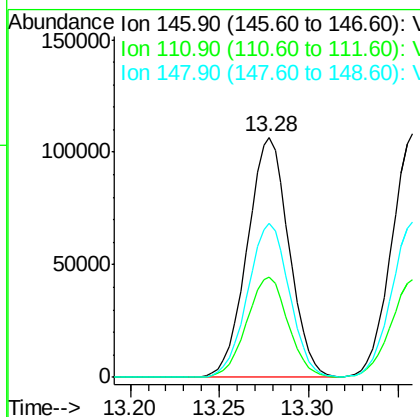
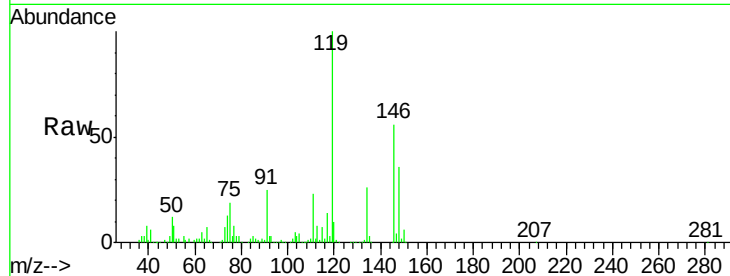
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	64.2	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.651 ug/l

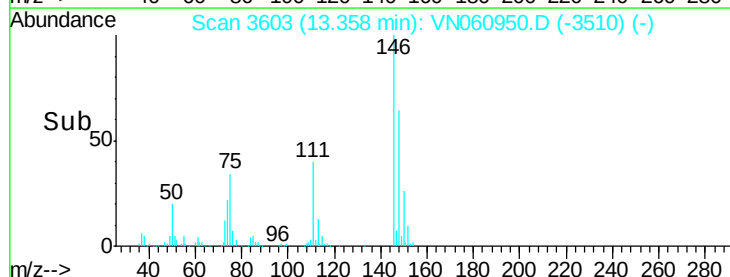
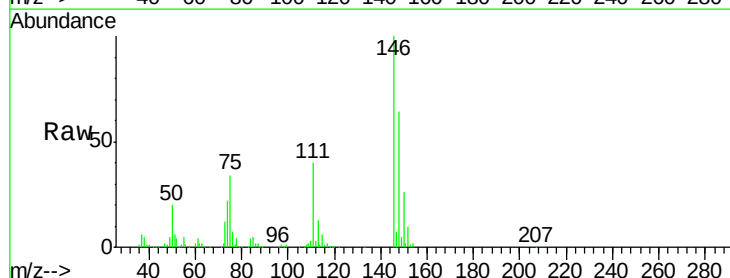
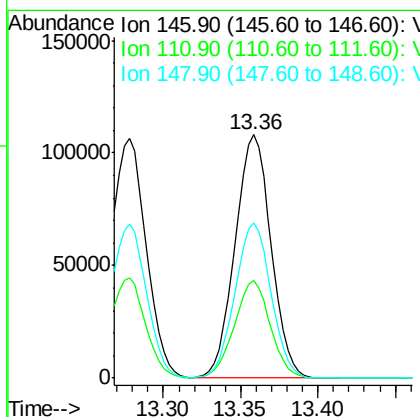
RT: 13.36 min Scan# 3603

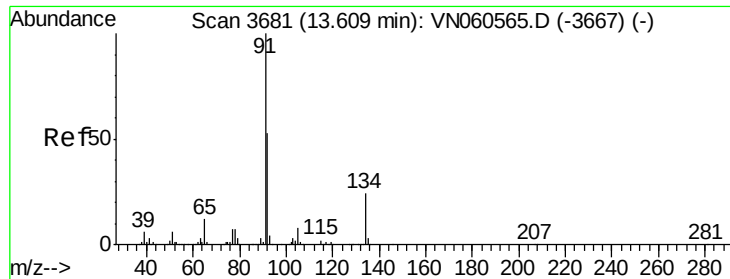
Delta R.T. 0.00 min

Lab File: VN060950.D

Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	63.8	32.1	96.3





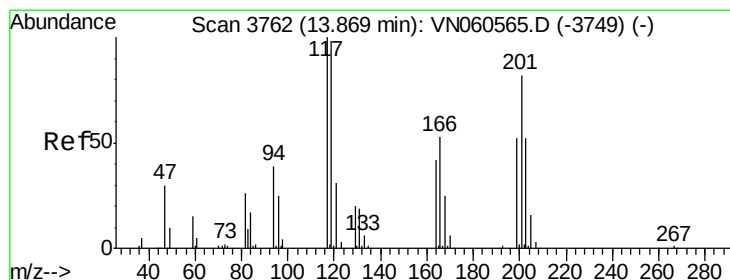
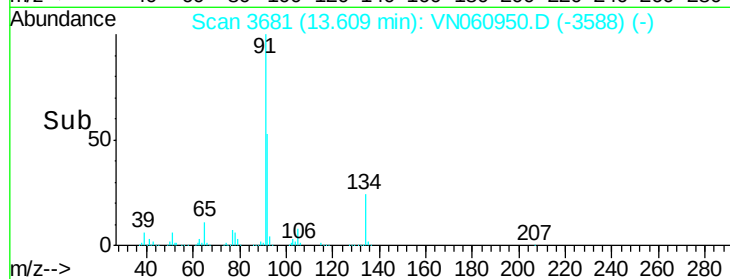
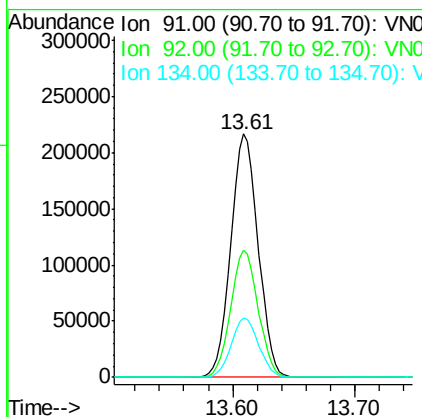
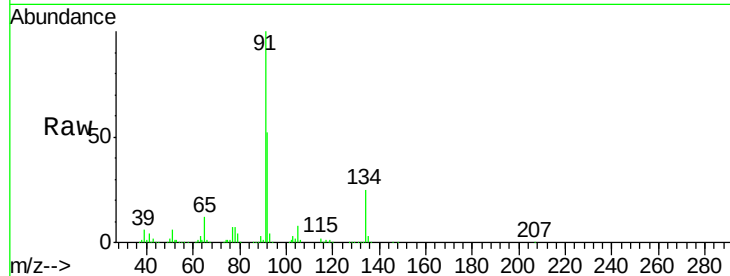
#89
n-Butylbenzene
Concen: 58.596 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		337869		
92	52.2	26.2		78.5	
134	24.4	12.3		36.9	

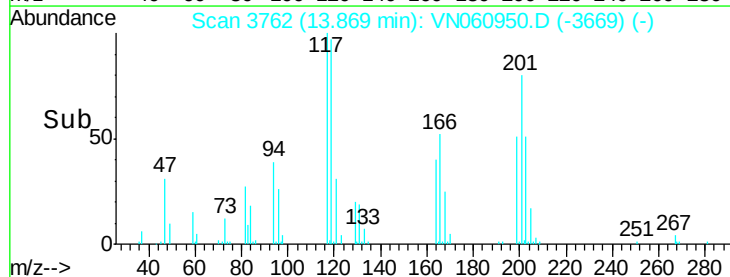
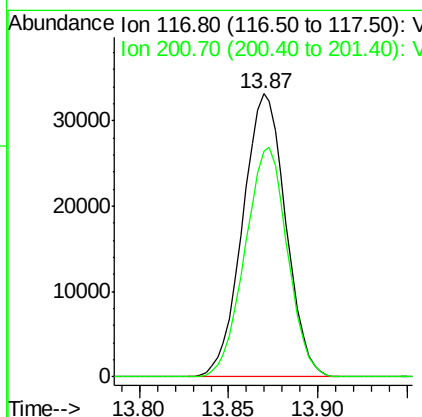
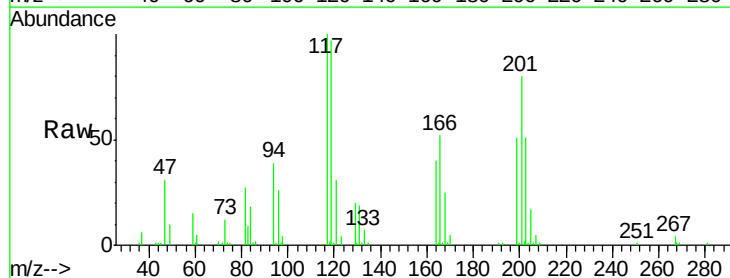
Manual Integrations
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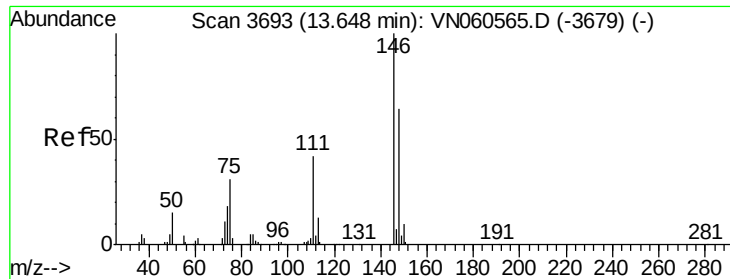
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#90
Hexachloroethane
Concen: 60.234 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		55917		
201	79.9	40.8		122.5	





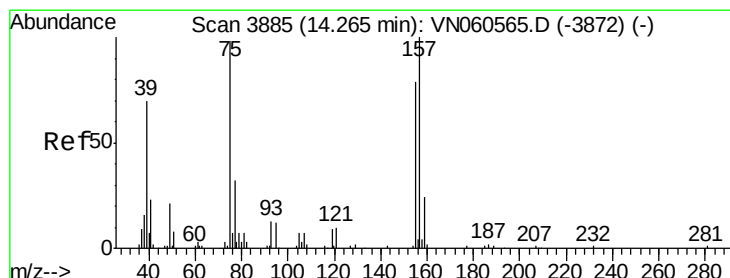
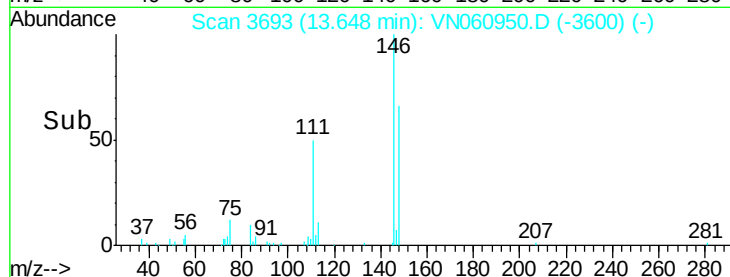
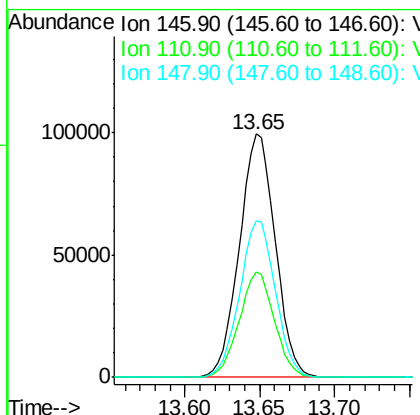
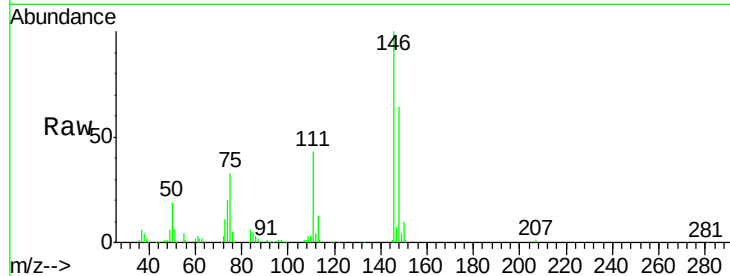
#91
 1,2-Dichlorobenzene
 Concen: 54.374 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.1	31.9	95.5

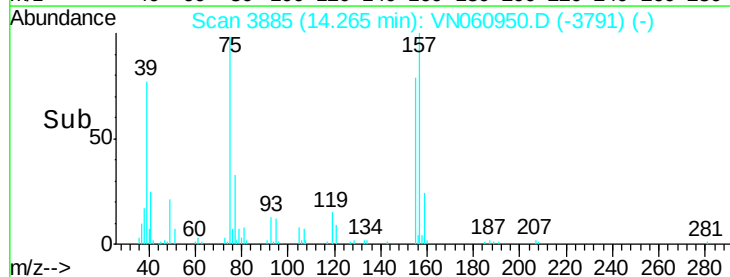
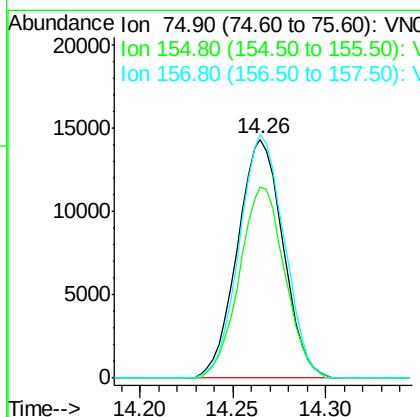
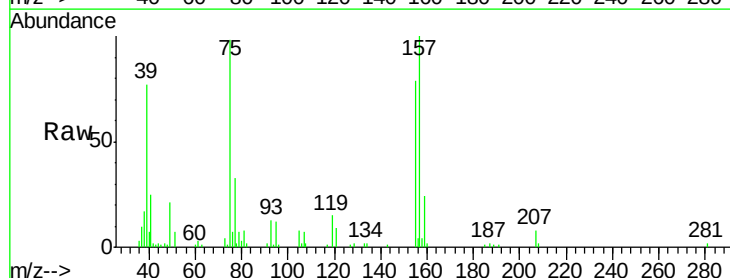
Manual Integrations
 APPROVED

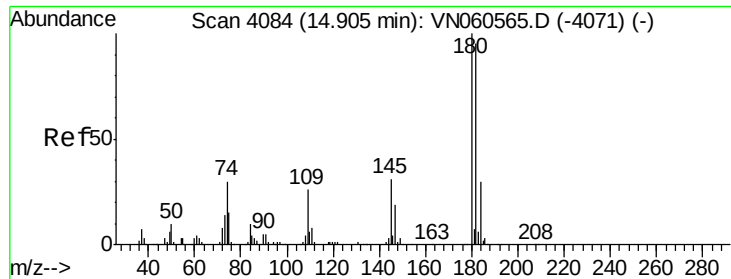
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 4/16/2020 11:15:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.410 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	40.7	122.1
157	100.5	51.5	154.7





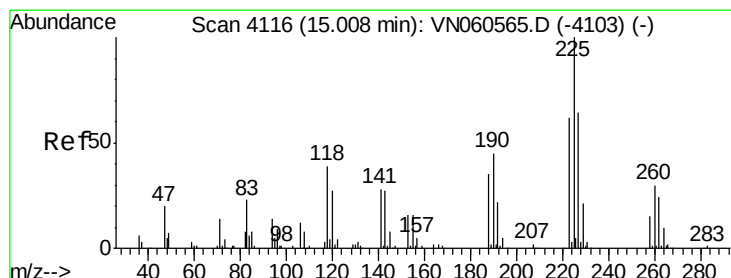
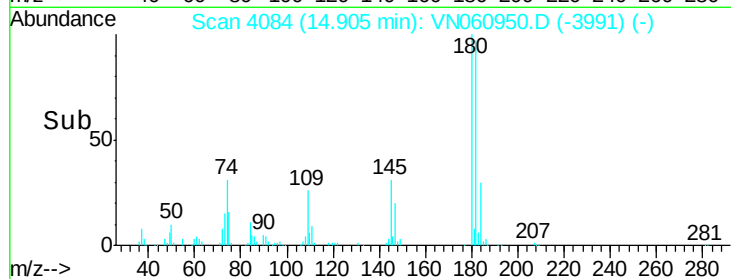
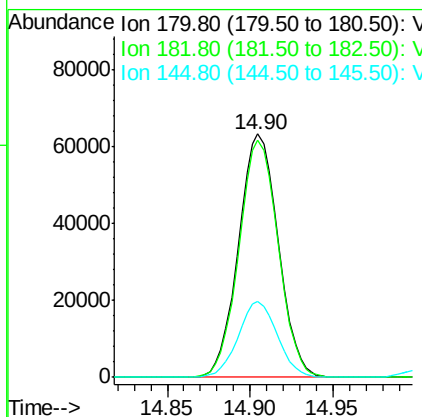
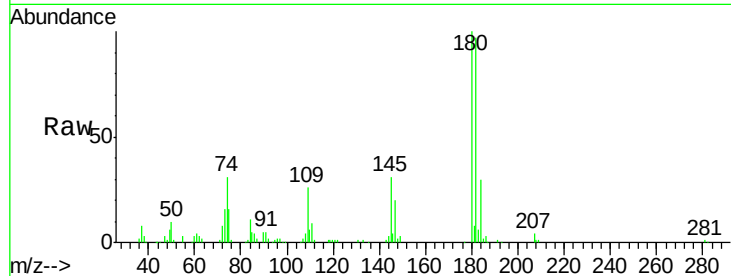
#93
 1,2,4-Trichlorobenzene
 Concen: 56.206 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.9	143.8	
145	30.6	15.4	46.2	

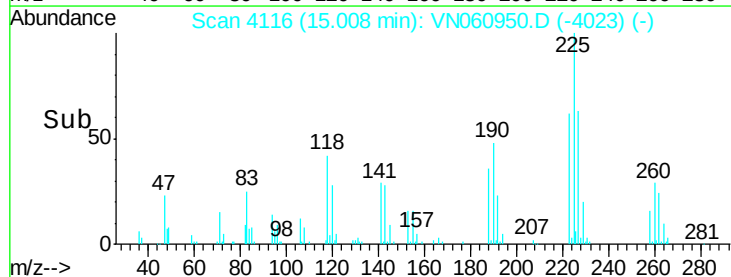
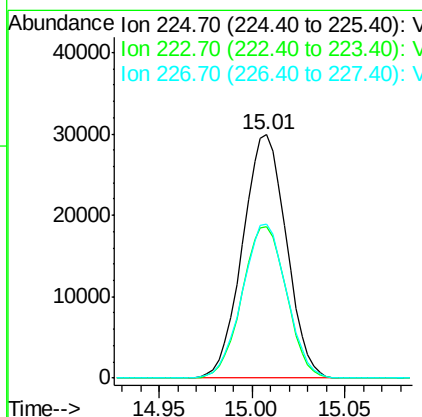
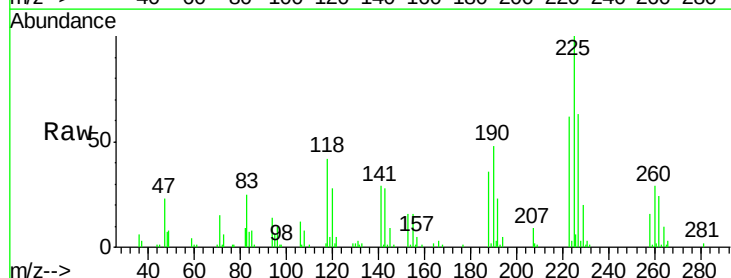
Manual Integrations
 APPROVED

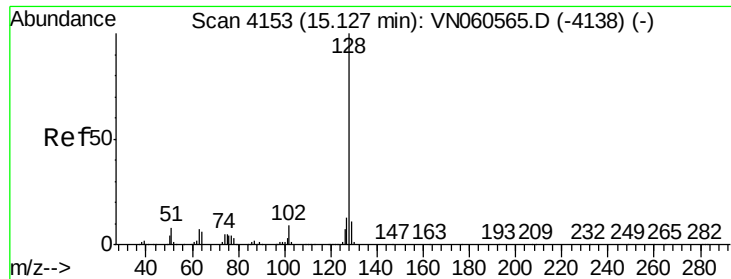
MMDadoda
 4/16/2020 11:15:48 AM



#94
 Hexachlorobutadiene
 Concen: 53.427 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060950.D
 Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	95.0	
227	64.0	32.3	96.8	





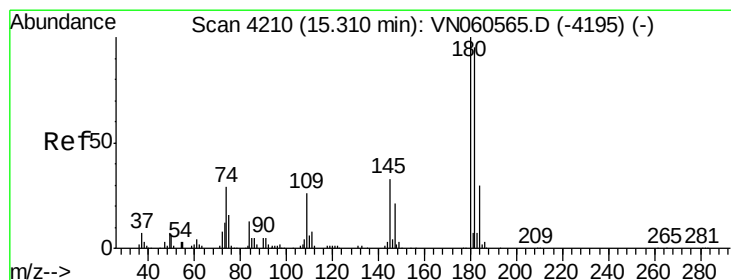
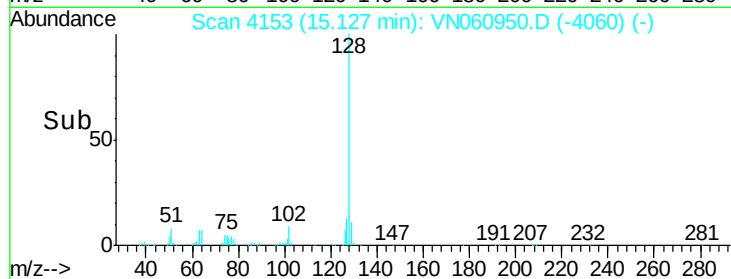
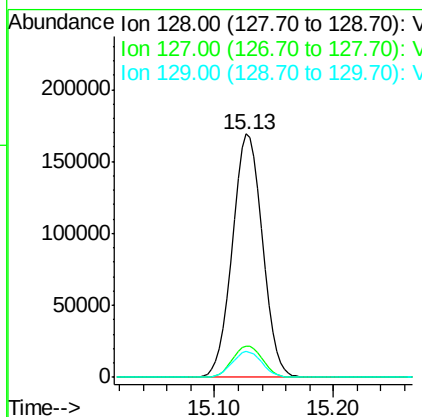
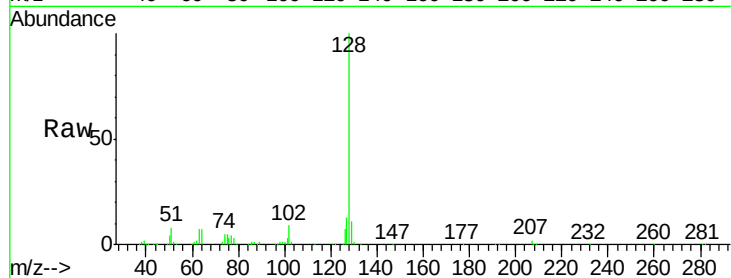
#95
Naphthalene
Concen: 52.568 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	296237		
127	13.0		10.2	15.2
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.888 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060950.D
Acq: 15 Apr 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99446		
182	94.4		47.5	142.6
145	32.3		16.3	48.8

