

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060804.D
 Acq On : 1 Apr 2020 11:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 02 09:01:19 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	199254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	134507	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.56	113	101677	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.08	98	404208	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	152231	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91289	47.350	ug/l	99
3) Chloromethane	2.04	50	159025	44.164	ug/l	99
4) Vinyl Chloride	2.17	62	125405	44.527	ug/l	98
5) Bromomethane	2.54	94	62731	51.597	ug/l	98
6) Chloroethane	2.68	64	78529	48.404	ug/l	99
7) Trichlorofluoromethane	3.00	101	170648	49.187	ug/l	97
8) Diethyl Ether	3.38	74	71366	51.205	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	103612	51.540	ug/l	99
10) Methyl Iodide	3.92	142	86239	48.210	ug/l	99
11) Tert butyl alcohol	4.72	59	90208	224.244	ug/l	99
12) 1,1-Dichloroethene	3.71	96	103891	48.158	ug/l	97
13) Acrolein	3.57	56	118478	265.740	ug/l	100
14) Allyl chloride	4.29	41	188965	49.803	ug/l	97
15) Acrylonitrile	4.94	53	295469	249.777	ug/l	100
16) Acetone	3.77	43	325387	335.831	ug/l	99
17) Carbon Disulfide	4.03	76	301632	45.974	ug/l	100
18) Methyl Acetate	4.28	43	139042	50.983	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	367047	49.487	ug/l	97
20) Methylene Chloride	4.52	84	117754	49.405	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	113540	49.382	ug/l	96
22) Diisopropyl ether	5.91	45	422529	52.711	ug/l	99
23) Vinyl Acetate	5.85	43	1720942	263.125	ug/l	99
24) 1,1-Dichloroethane	5.81	63	222743	50.972	ug/l	99
25) 2-Butanone	6.79	43	423829	270.325	ug/l	98
26) 2,2-Dichloropropane	6.79	77	191844	55.798	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	131188	50.210	ug/l	98
28) Bromochloromethane	7.16	49	105041	50.241	ug/l	99
29) Tetrahydrofuran	7.17	42	263956	237.945	ug/l	99
30) Chloroform	7.34	83	211732	50.541	ug/l	98
31) Cyclohexane	7.63	56	207281	47.050	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	181817	50.345	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166072	52.627	ug/l	99
37) Ethyl Acetate	6.89	43	167969	49.261	ug/l	99
38) Carbon Tetrachloride	7.75	117	145968	51.610	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	200989	53.596	ug/l	98
40) Benzene	8.02	78	491818	51.628	ug/l	100
41) Methacrylonitrile	7.17	41	239409	164.521	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	169677	52.119	ug/l	100
43) Isopropyl Acetate	8.13	43	288068	51.227	ug/l	100
44) Trichloroethene	8.81	130	124640	51.902	ug/l	99
45) 1,2-Dichloropropane	9.10	63	135040	53.723	ug/l	97
46) Dibromomethane	9.19	93	80008	52.649	ug/l	99
47) Bromodichloromethane	9.38	83	168089	53.229	ug/l	99
48) Methyl methacrylate	9.18	41	126866	50.672	ug/l	99
49) 1,4-Dioxane	9.18	88	30486	1024.427	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	821996	256.879	ug/l	99
52) Toluene	10.14	92	299921	52.132	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	197923	54.564	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	216227	54.337	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	116391	52.587	ug/l	98
56) Ethyl methacrylate	10.42	69	183400	53.143	ug/l	99
57) 1,3-Dichloropropane	10.70	76	201324	52.417	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	462314	269.536	ug/l	100
59) 2-Hexanone	10.74	43	619793	268.882	ug/l	99
60) Dibromochloromethane	10.89	129	123436	53.991	ug/l	100
61) 1,2-Dibromoethane	10.99	107	117450	52.772	ug/l	100
64) Tetrachloroethene	10.62	164	117916	50.130	ug/l	99
65) Chlorobenzene	11.42	112	307392	51.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113571	52.935	ug/l	98
67) Ethyl Benzene	11.50	91	580542	52.682	ug/l	99
68) m/p-Xylenes	11.61	106	430413	105.107	ug/l	99
69) o-Xylene	11.94	106	206057	52.711	ug/l	99
70) Styrene	11.96	104	342538	53.577	ug/l	99
71) Bromoform	12.12	173	88242	49.503	ug/l #	100
73) Isopropylbenzene	12.24	105	557453	50.976	ug/l	100
74) N-amyl acetate	12.06	43	252938	50.055	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	165328	49.993	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226850	72.147	ug/l #	100
77) Bromobenzene	12.52	156	131875	50.046	ug/l	99
78) n-propylbenzene	12.59	91	667915	51.698	ug/l	99
79) 2-Chlorotoluene	12.67	91	385714	49.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	474747	51.157	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63130	51.565	ug/l	99
82) 4-Chlorotoluene	12.77	91	406564	51.711	ug/l	99
83) tert-Butylbenzene	12.99	119	394777	51.316	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	472021	51.413	ug/l	100
85) sec-Butylbenzene	13.17	105	551040	53.267	ug/l	100
86) p-Isopropyltoluene	13.28	119	495075	53.220	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	242513	52.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241267	51.671	ug/l	99
89) n-Butylbenzene	13.61	91	472329	56.239	ug/l	100
90) Hexachloroethane	13.87	117	76333	56.452	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	232910	52.411	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32832	47.386	ug/l	98

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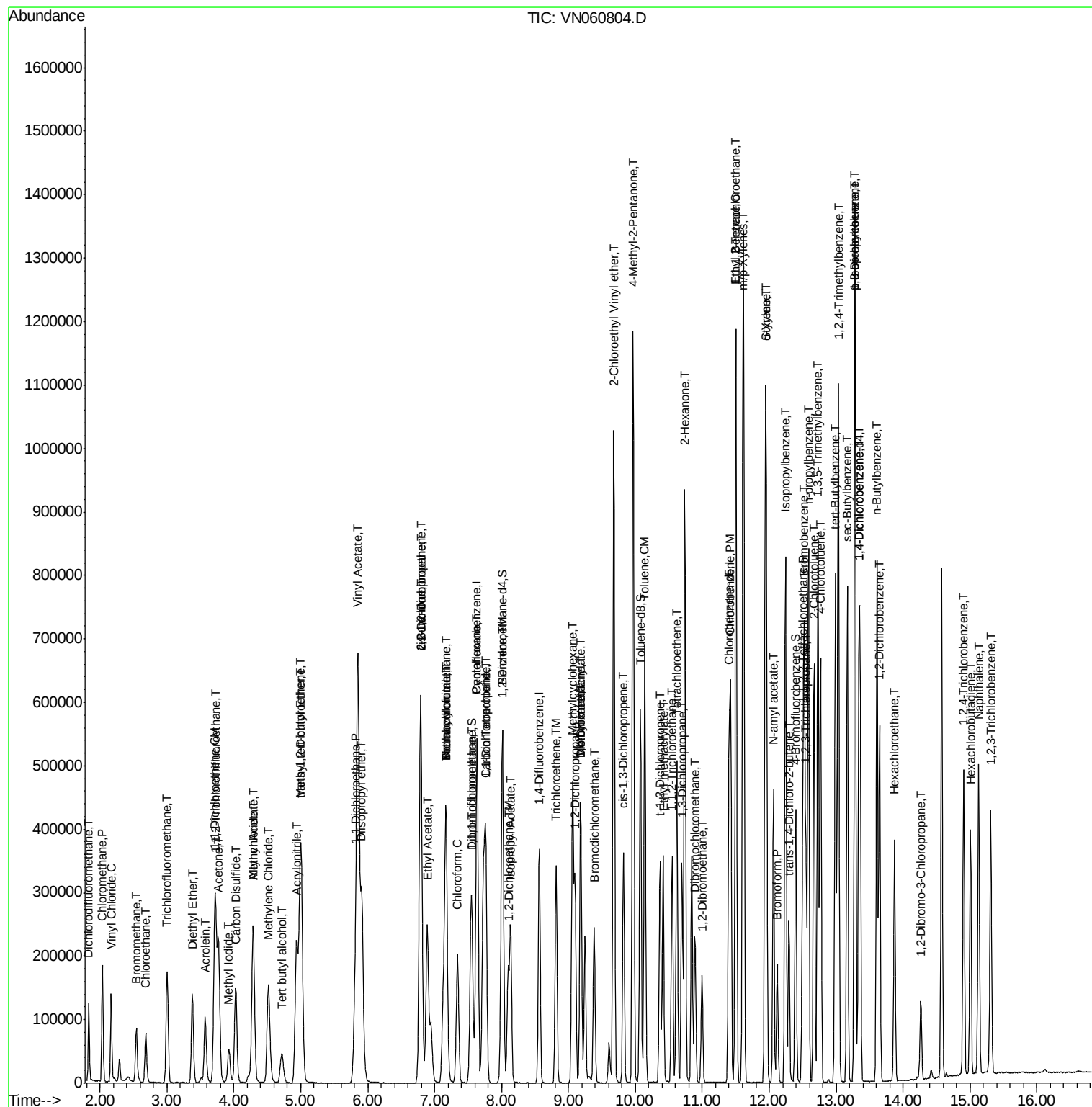
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	151321	55.449	ug/l	100
94) Hexachlorobutadiene	15.01	225	76113	56.894	ug/l	99
95) Naphthalene	15.13	128	414709	50.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	140858	52.403	ug/l	99

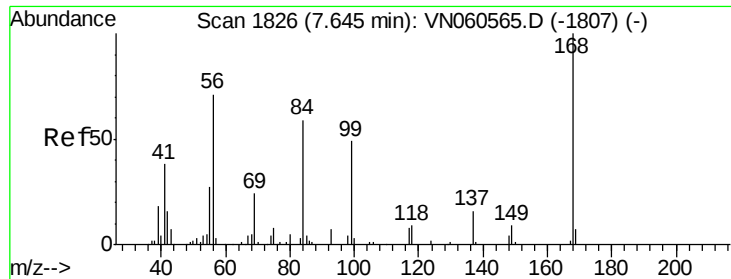
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040120\
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Quant Title : SW846 8260
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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: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

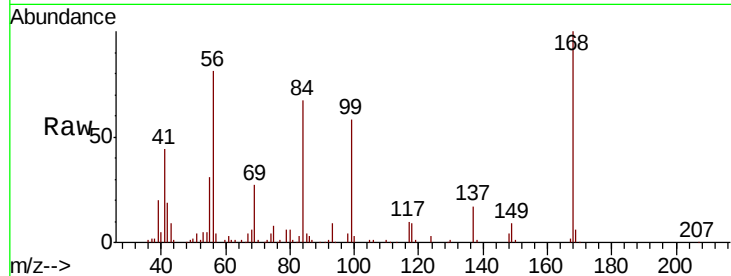
VSTDCCC050

Tot Ion:168 Resp: 199254

Ion Ratio Lower Upper

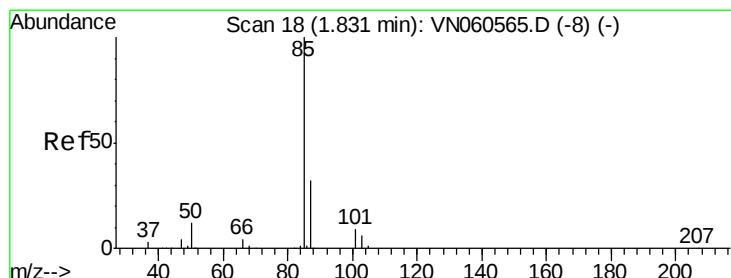
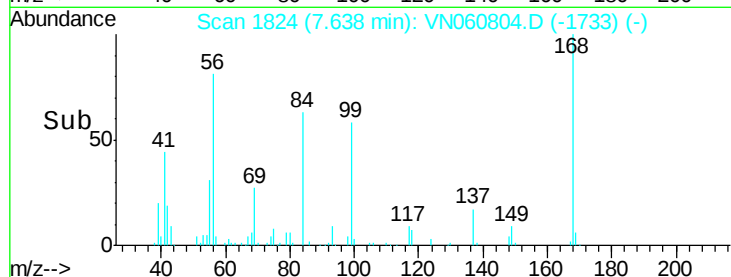
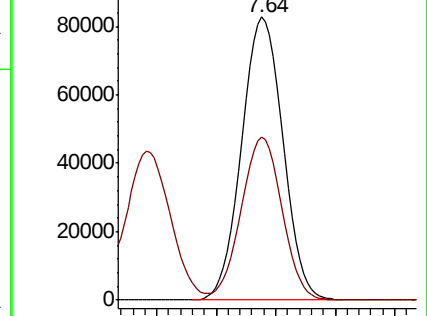
168 100

99 57.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.350 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060804.D

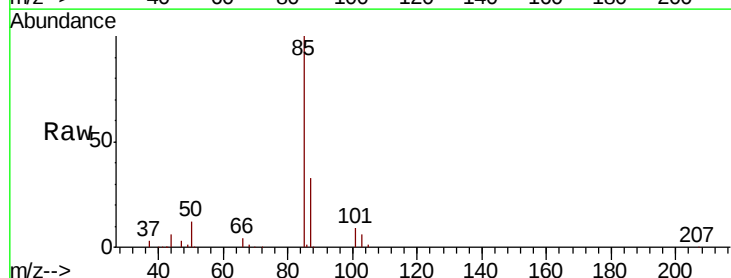
Acq: 1 Apr 2020 11:15

Tgt Ion: 85 Resp: 91289

Ion Ratio Lower Upper

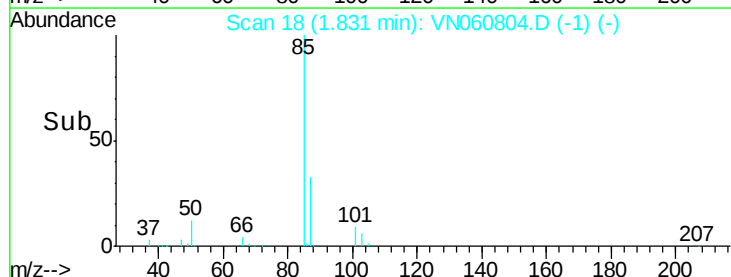
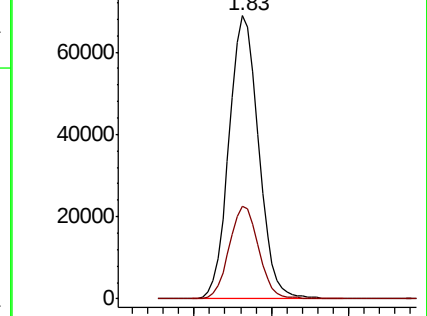
85 100

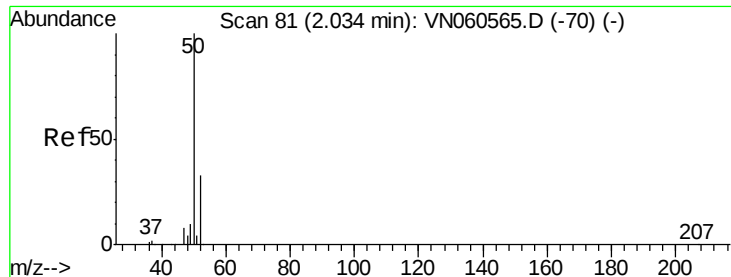
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.164 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

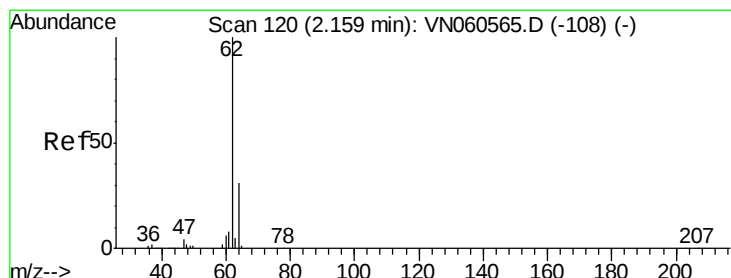
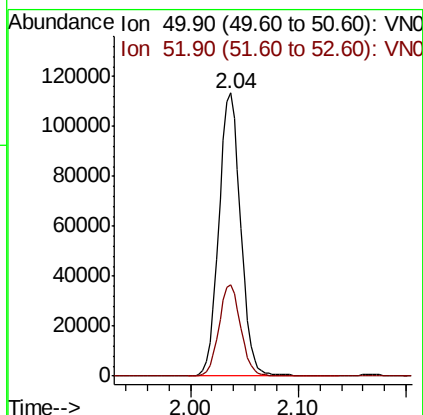
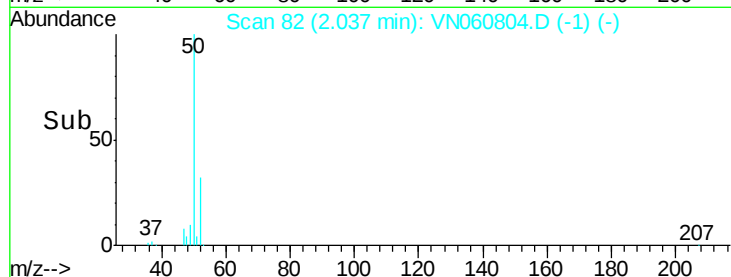
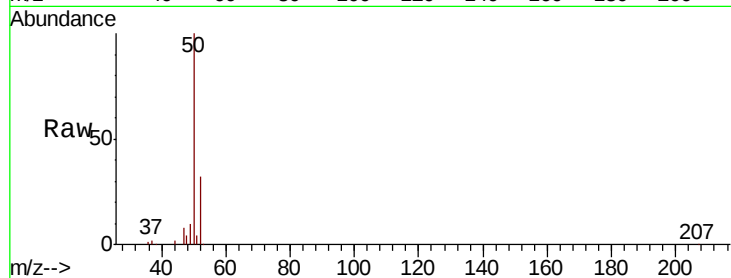
VSTDCCC050

Tot Ion: 50 Resp: 159025

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 44.527 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060804.D

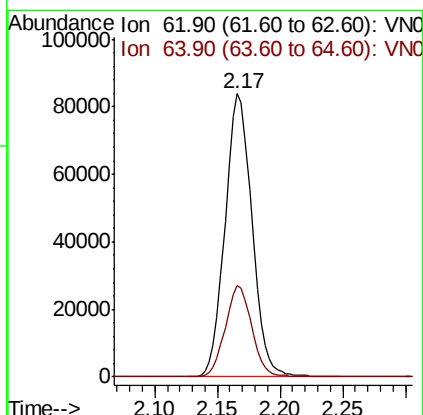
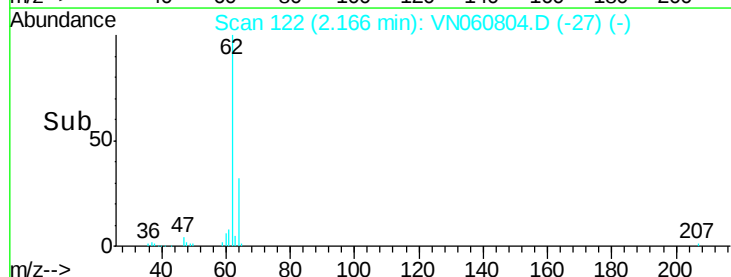
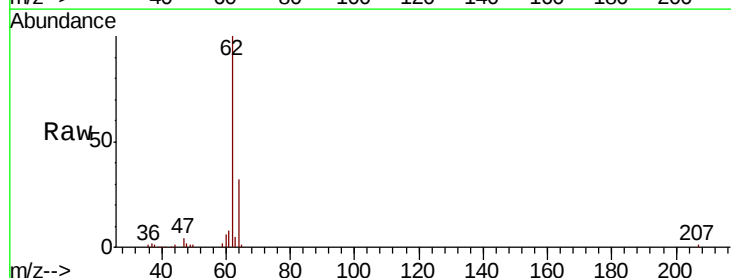
Acq: 1 Apr 2020 11:15

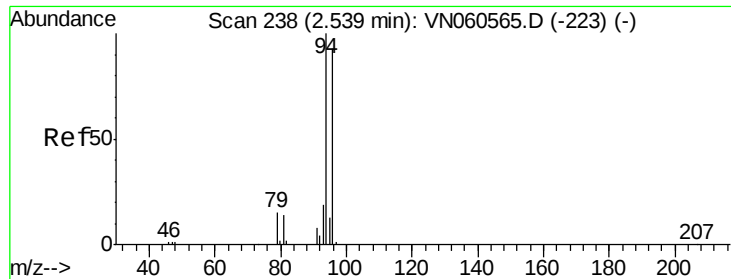
Tgt Ion: 62 Resp: 125405

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 51.597 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

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ClientSampleId :

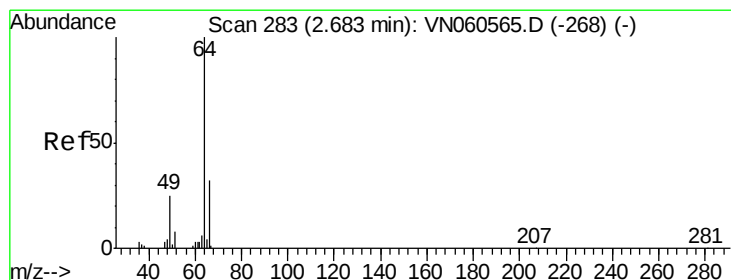
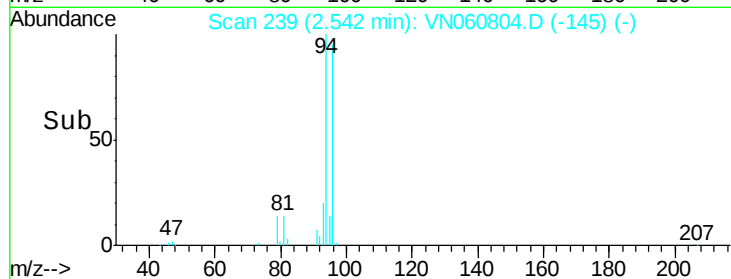
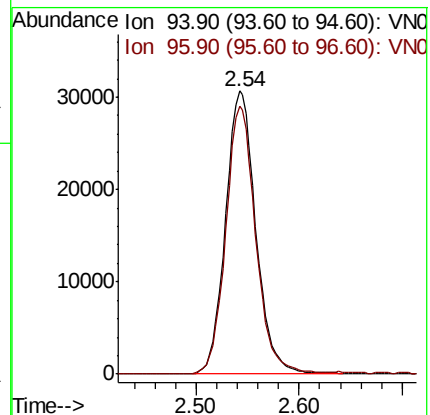
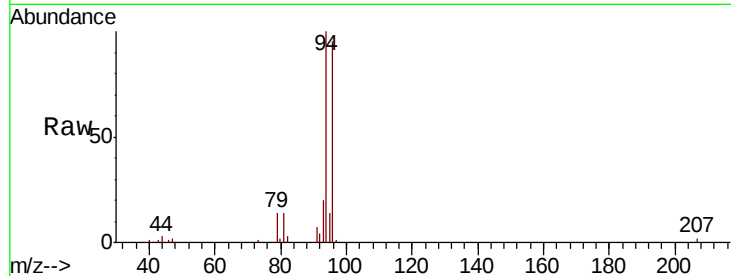
VSTDCCC050

Tot Ion: 94 Resp: 62731

Ion Ratio Lower Upper

94 100

96 94.8 74.6 112.0



#6

Chloroethane

Concen: 48.404 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060804.D

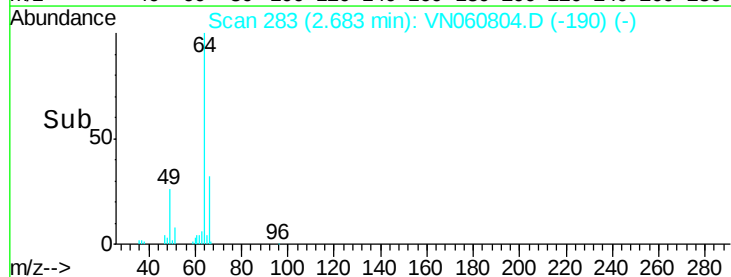
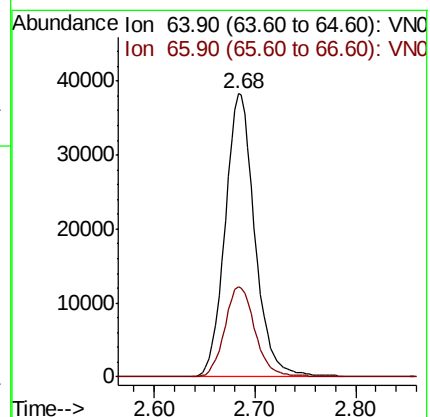
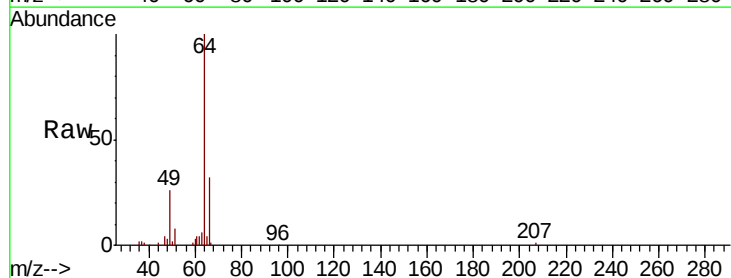
Acq: 1 Apr 2020 11:15

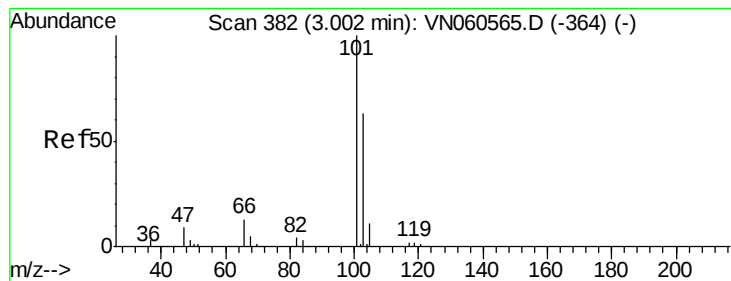
Tgt Ion: 64 Resp: 78529

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



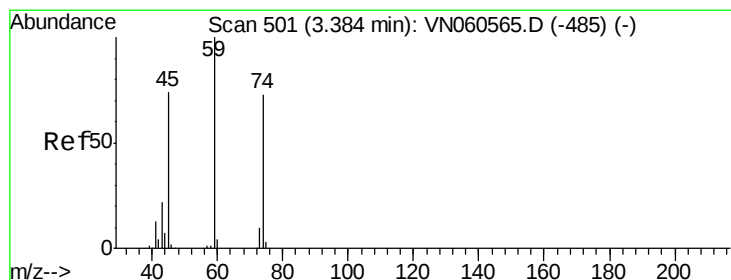
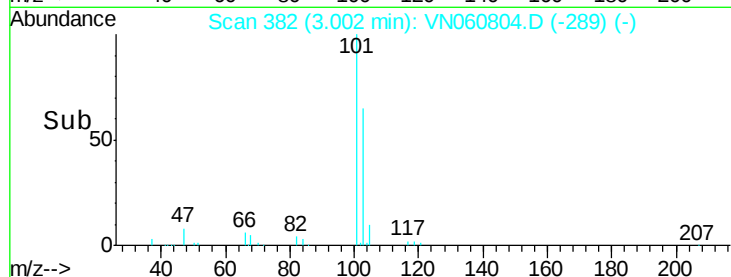
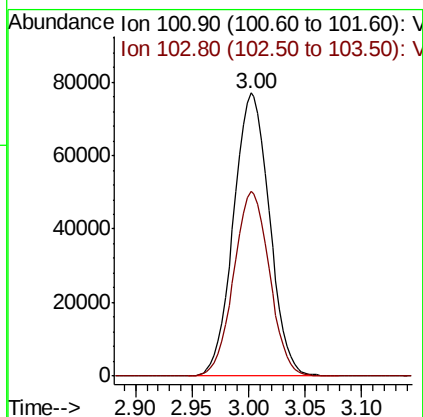
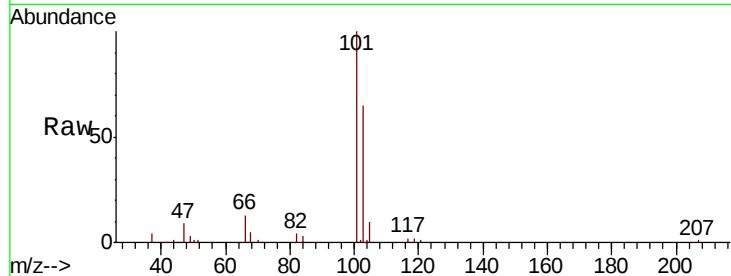


#7

Trichlorofluoromethane
 Concen: 49.187 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Instrument :
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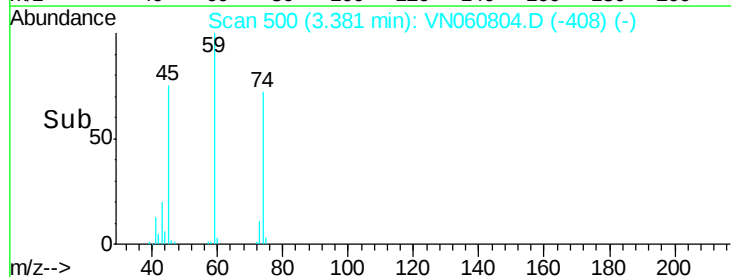
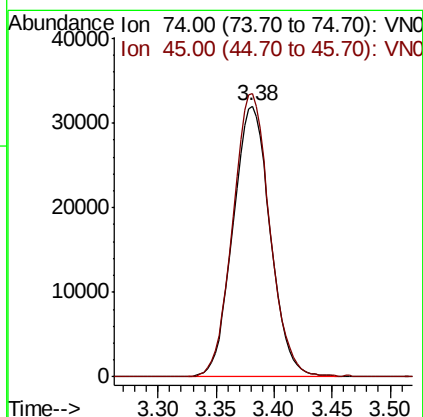
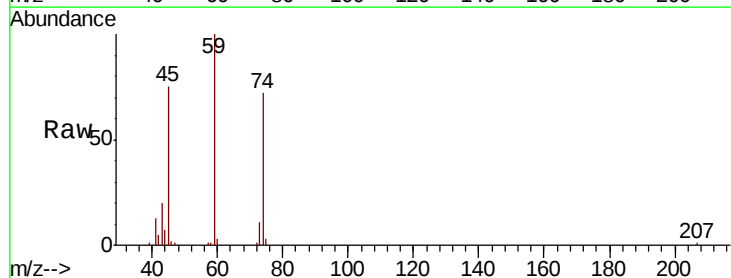
Tot Ion:101 Resp: 170648
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.6 76.0

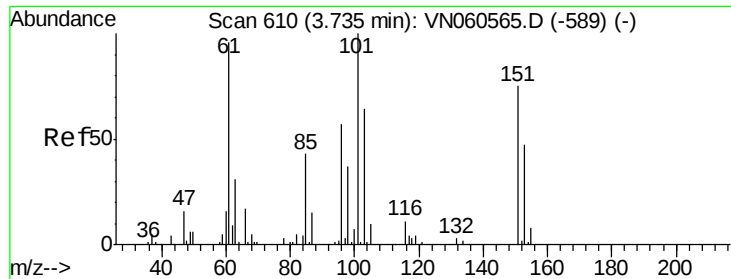


#8

Diethyl Ether
 Concen: 51.205 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 74 Resp: 71366
 Ion Ratio Lower Upper
 74 100
 45 103.8 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.540 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

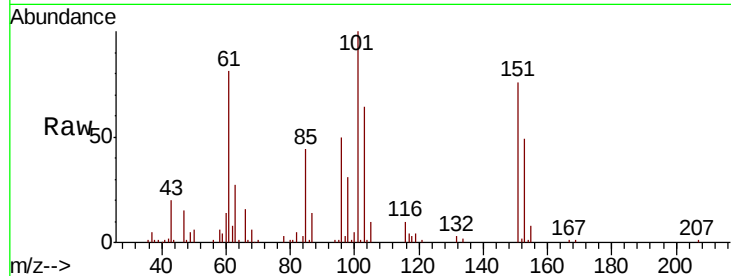
Tot Ion:101 Resp: 103612

Ion Ratio Lower Upper

101 100

85 44.8 35.6 53.4

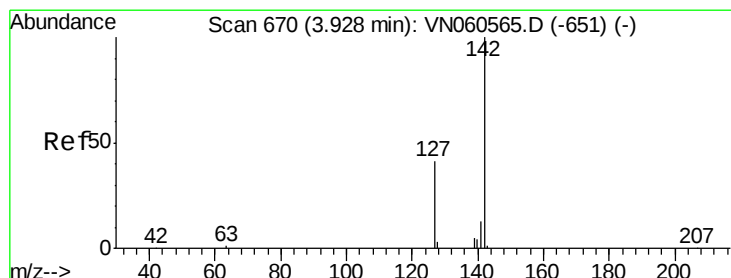
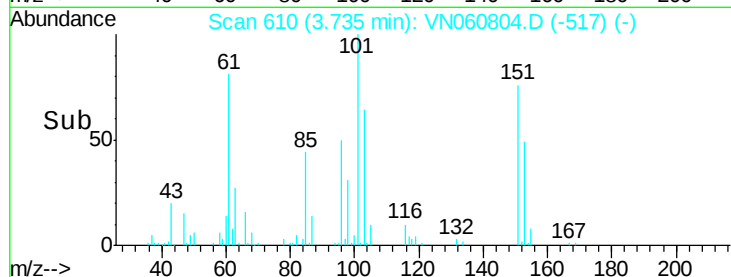
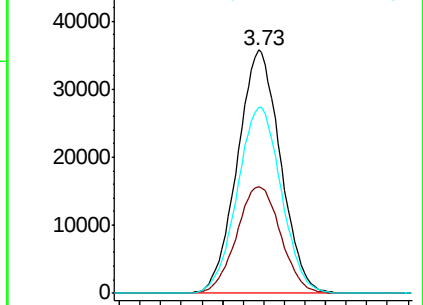
151 77.9 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.210 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

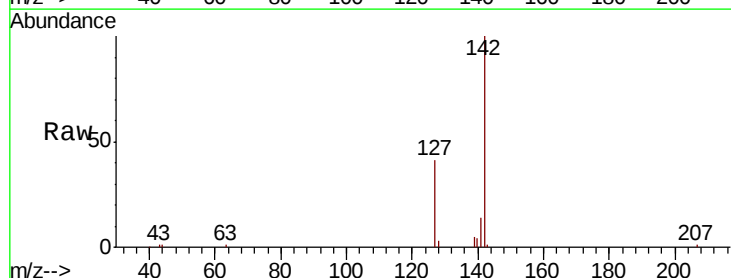
Tgt Ion:142 Resp: 86239

Ion Ratio Lower Upper

142 100

127 40.9 33.5 50.3

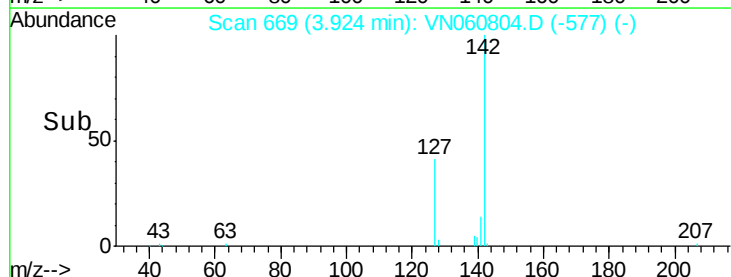
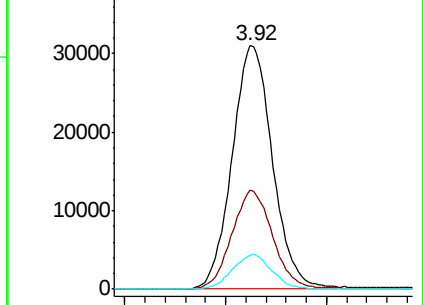
141 13.8 11.0 16.6

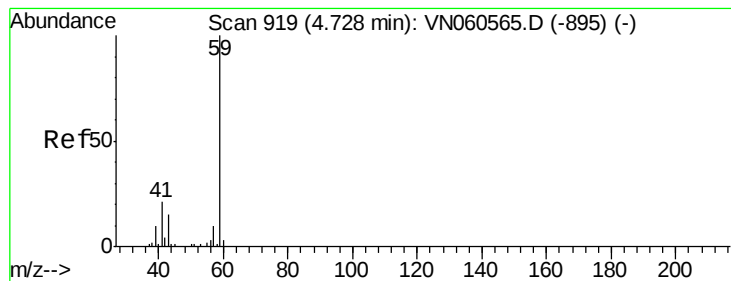


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



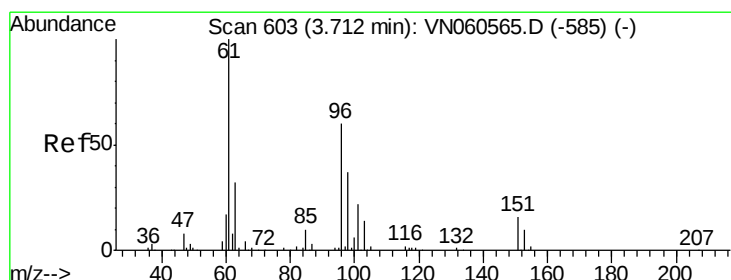
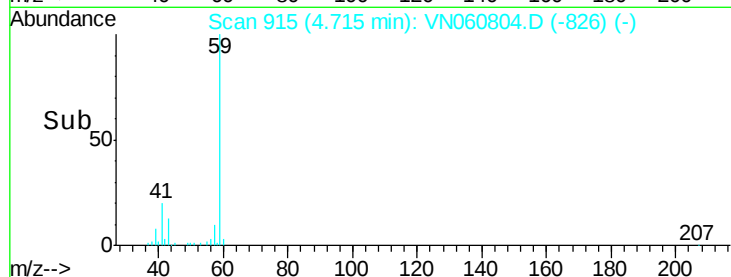
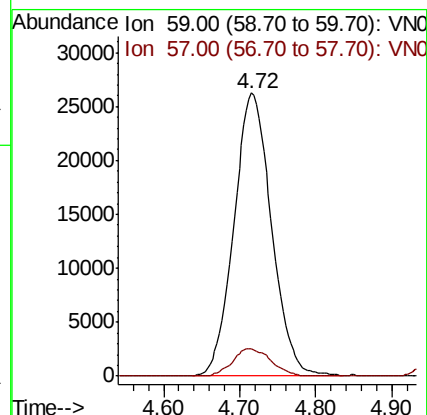
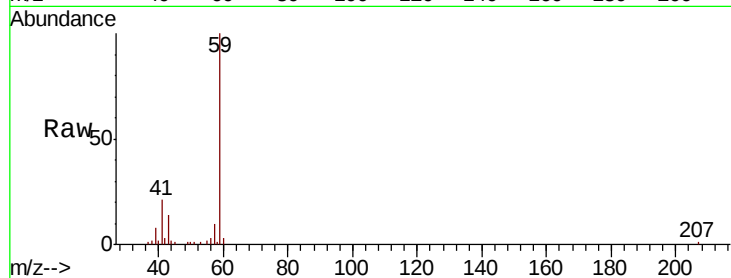


#11

Tert butyl alcohol
Concen: 224.244 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.01 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

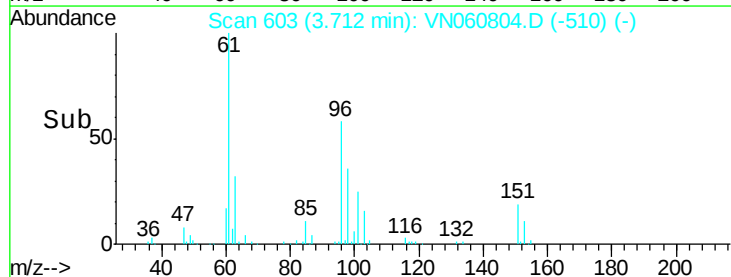
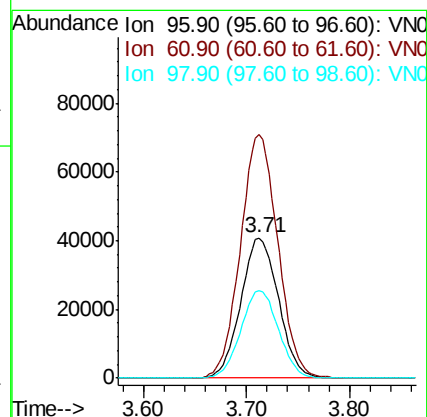
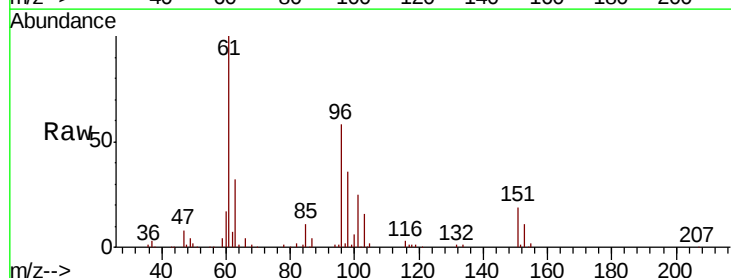
Tot Ion: 59 Resp: 90208
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

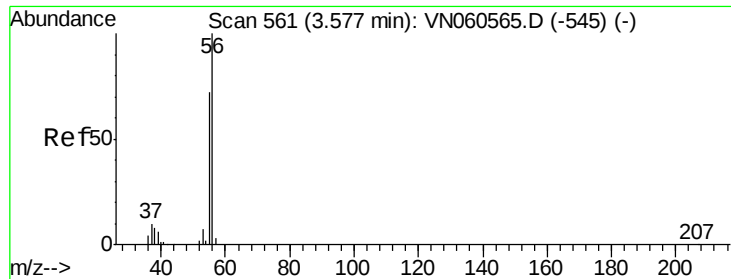


#12

1,1-Dichloroethene
Concen: 48.158 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 96 Resp: 103891
Ion Ratio Lower Upper
96 100
61 173.5 134.1 201.1
98 62.6 49.9 74.9





#13

Acrolein

Concen: 265.740 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

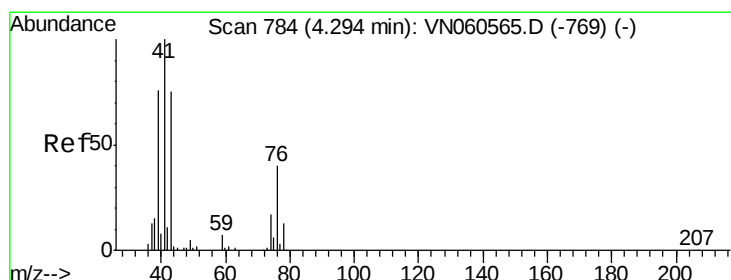
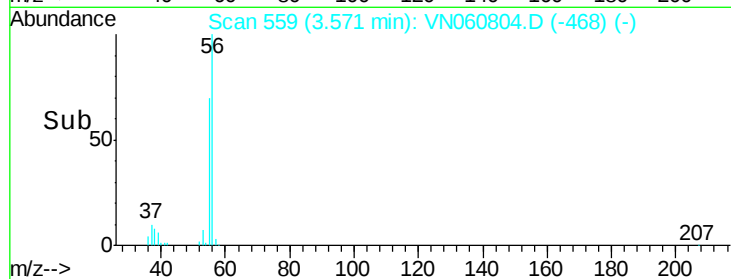
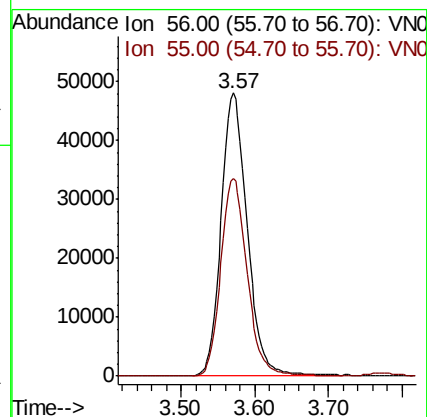
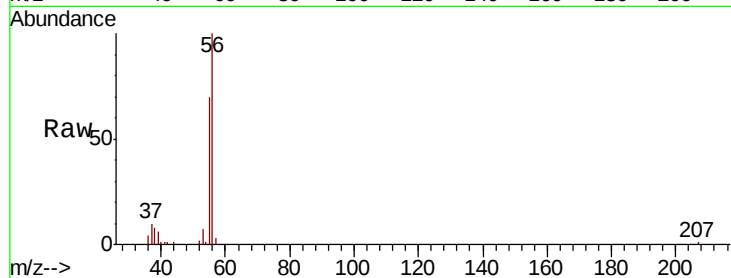
VSTDCCC050

Tot Ion: 56 Resp: 118478

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Allyl chloride

Concen: 49.803 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

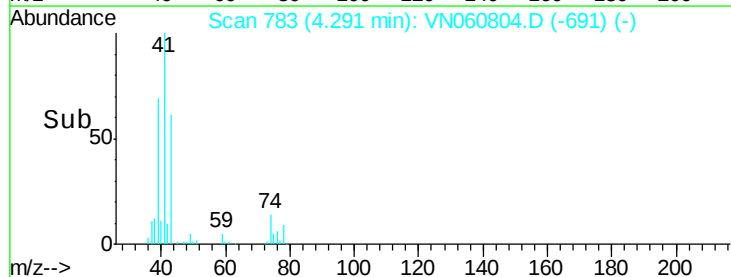
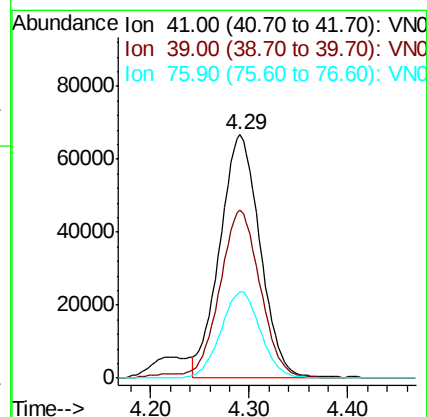
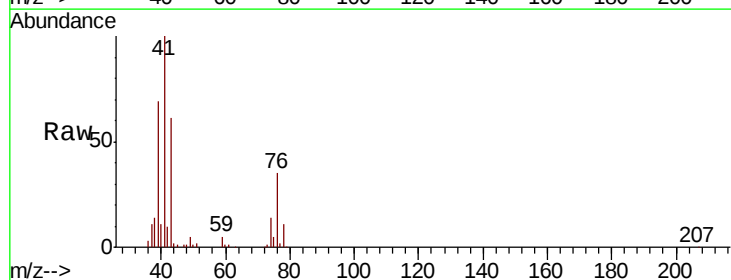
Tgt Ion: 41 Resp: 188965

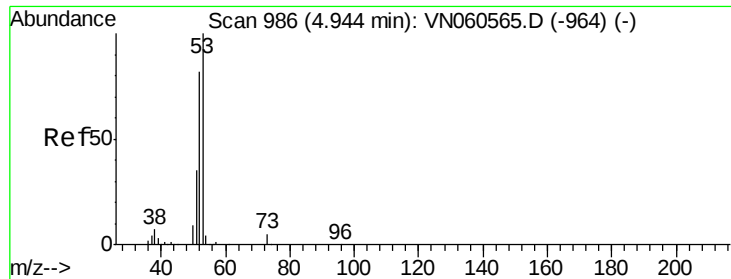
Ion Ratio Lower Upper

41 100

39 69.1 57.8 86.8

76 35.1 28.6 43.0





#15

Acrylonitrile

Concen: 249.777 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

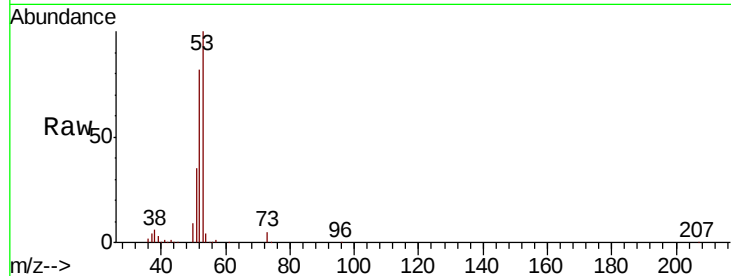
Tot Ion: 53 Resp: 295469

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.4

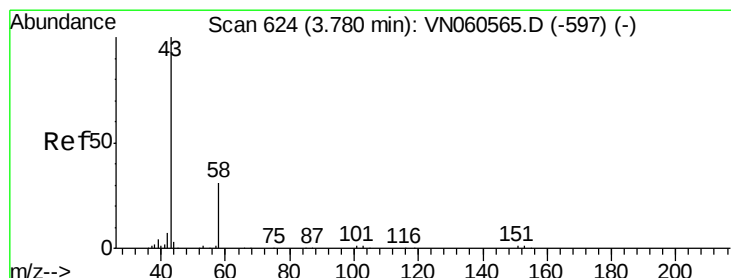
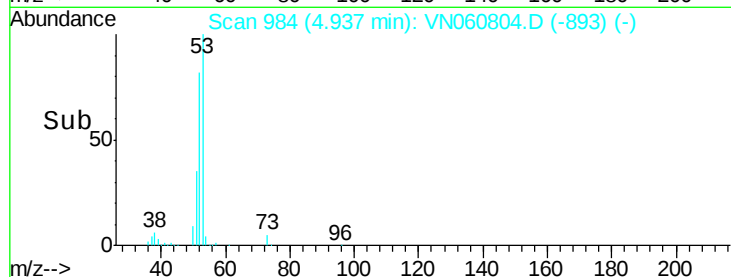
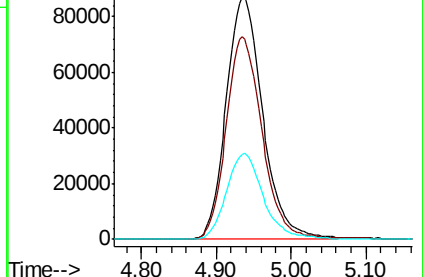
51 35.8 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060804.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060804.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060804.D (-964) (-)



#16

Acetone

Concen: 335.831 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN060804.D

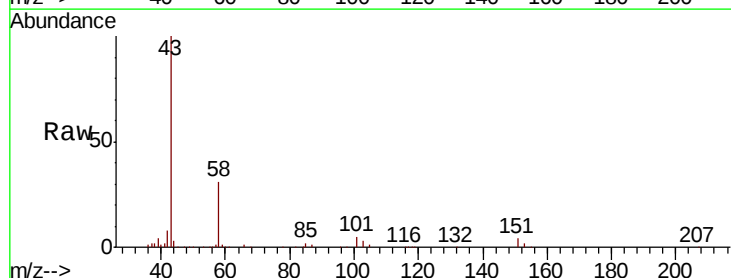
Acq: 1 Apr 2020 11:15

Tgt Ion: 43 Resp: 325387

Ion Ratio Lower Upper

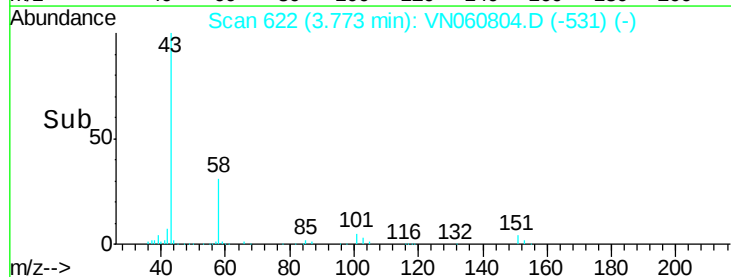
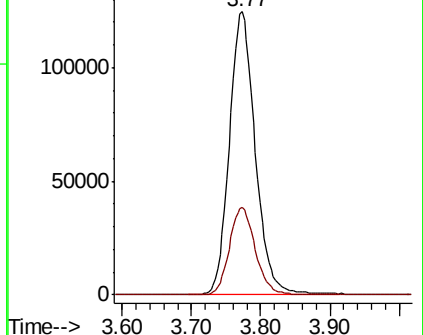
43 100

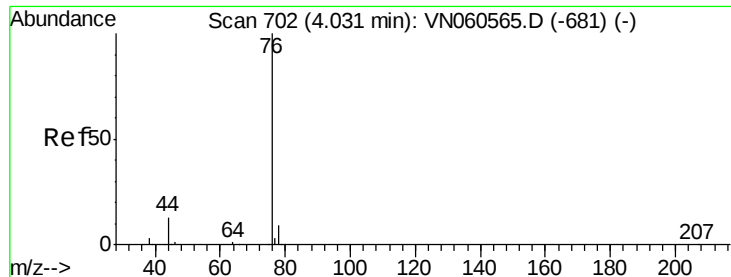
58 31.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060804.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060804.D (-531) (-)

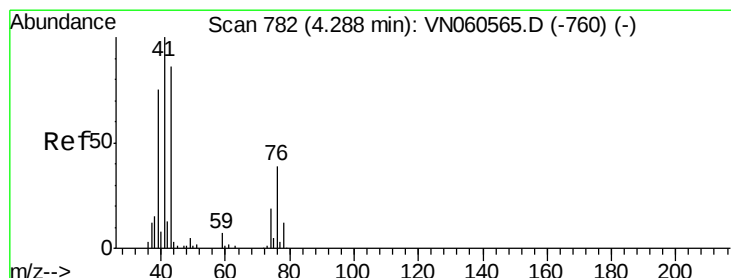
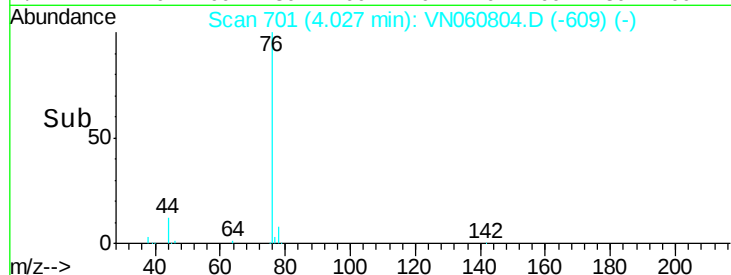
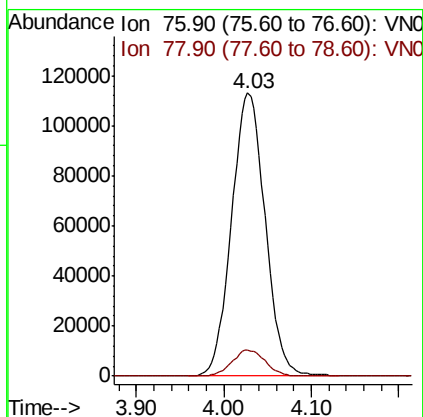
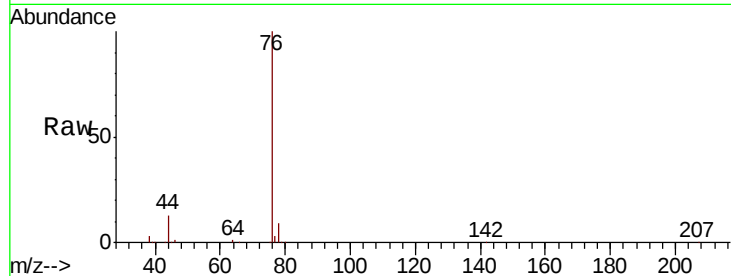




#17
Carbon Disulfide
Concen: 45.974 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

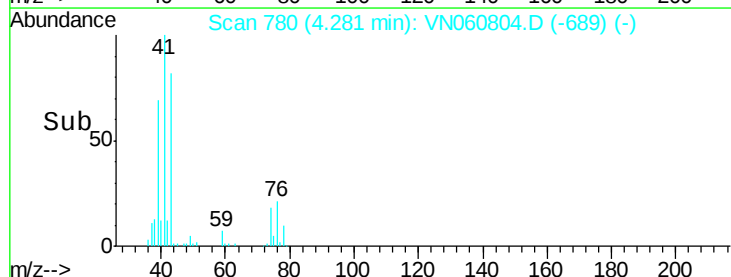
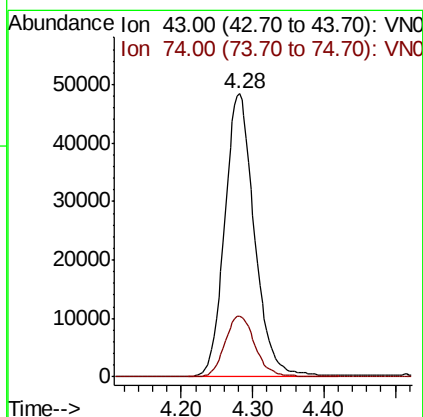
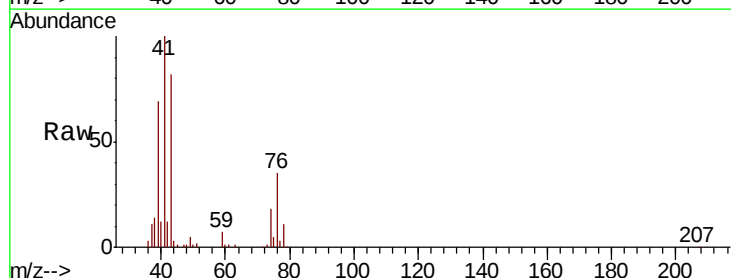
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

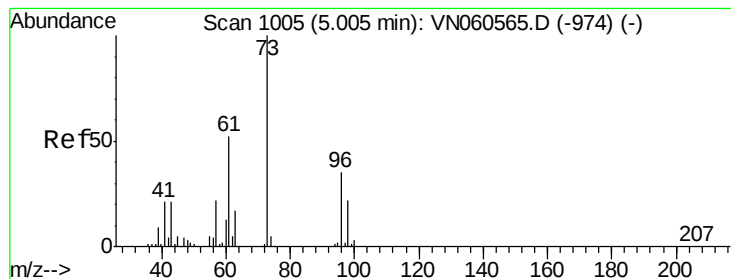
Tot Ion: 76 Resp: 301632
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 50.983 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 43 Resp: 139042
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 49.487 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampled :

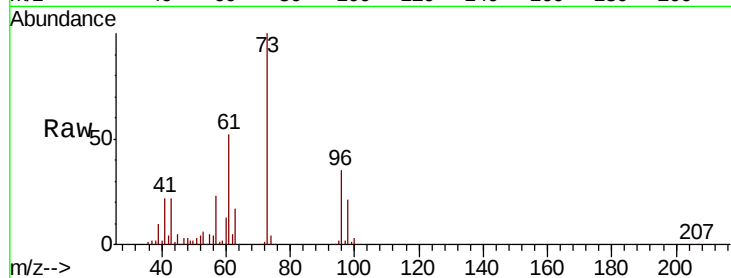
VSTDCCC050

Tot Ion: 73 Resp: 367047

Ion Ratio Lower Upper

73 100

57 23.3 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VN060565.D (-974) (-)

Ion 57.00 (56.70 to 57.70): VN060565.D (-974) (-)

5.00

100000

80000

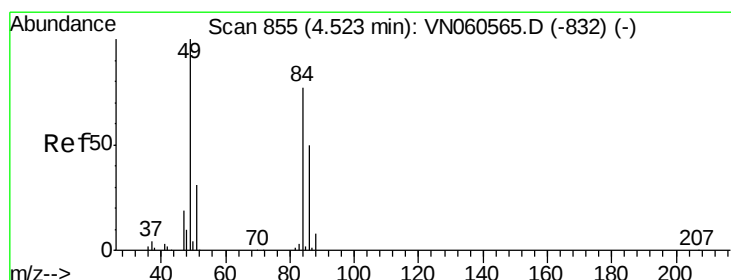
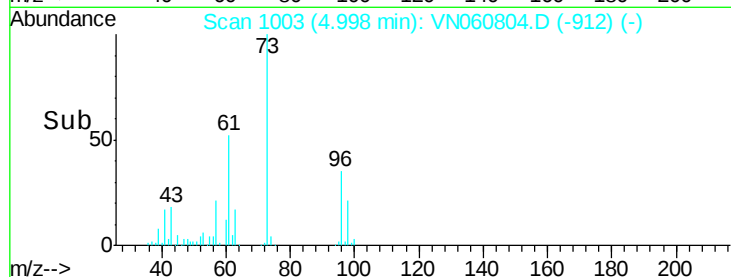
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 49.405 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Tgt Ion: 84 Resp: 117754

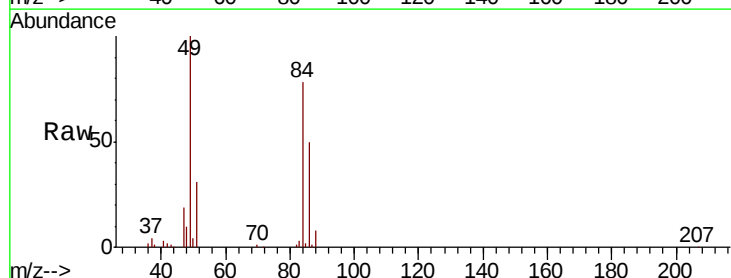
Ion Ratio Lower Upper

84 100

49 127.9 103.3 154.9

51 39.5 31.6 47.4

86 64.6 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VN060565.D (-832) (-)

Ion 48.90 (48.60 to 49.60): VN060565.D (-832) (-)

Ion 50.90 (50.60 to 51.60): VN060565.D (-832) (-)

Ion 85.90 (85.60 to 86.60): VN060565.D (-832) (-)

4.52

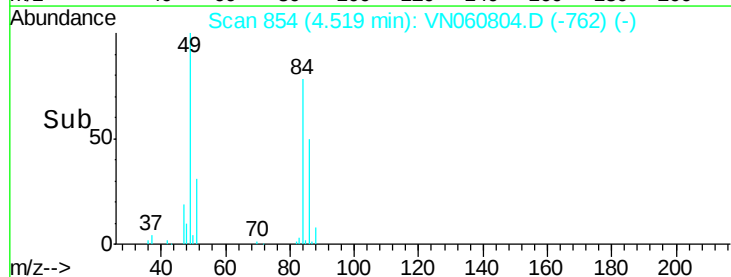
60000

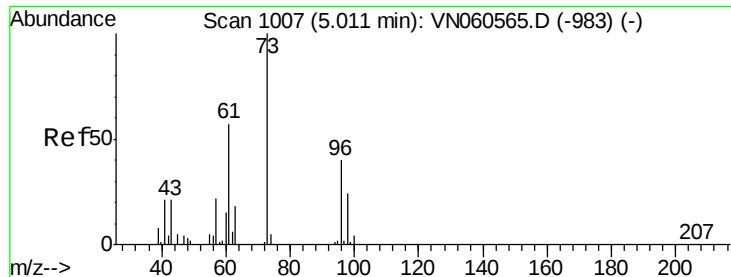
40000

20000

0

Time--> 4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 49.382 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

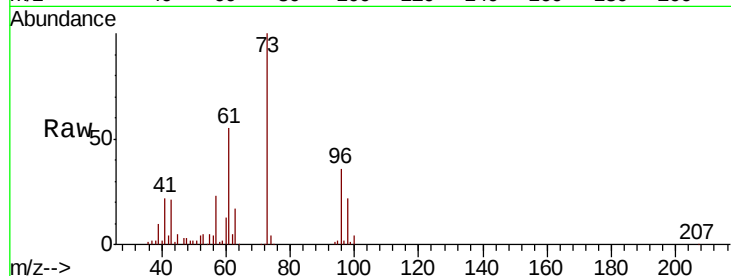
Tot Ion: 96 Resp: 113540

Ion Ratio Lower Upper

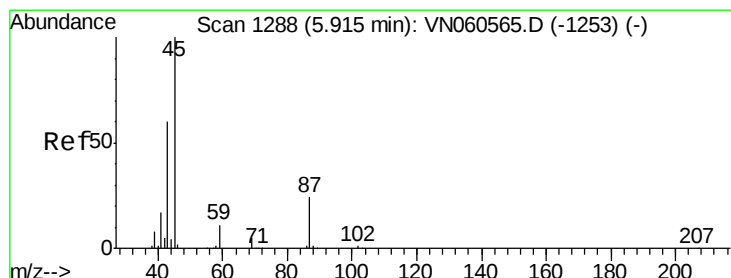
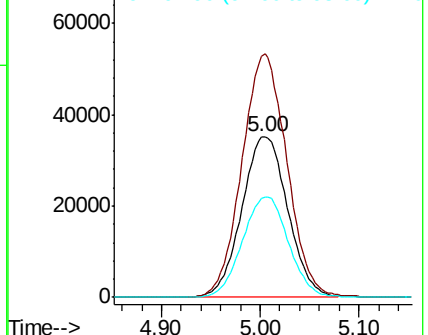
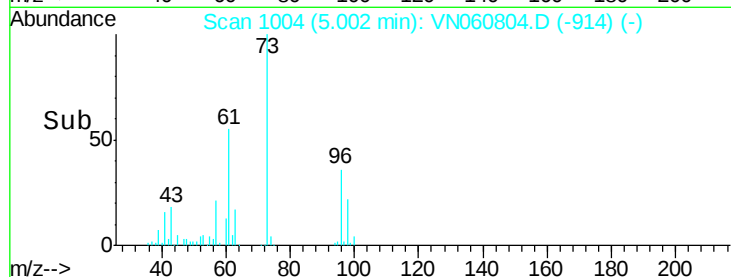
96 100

61 150.2 114.4 171.6

98 61.2 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060804.D (-914) (-)



#22

Diisopropyl ether

Concen: 52.711 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Tgt Ion: 45 Resp: 422529

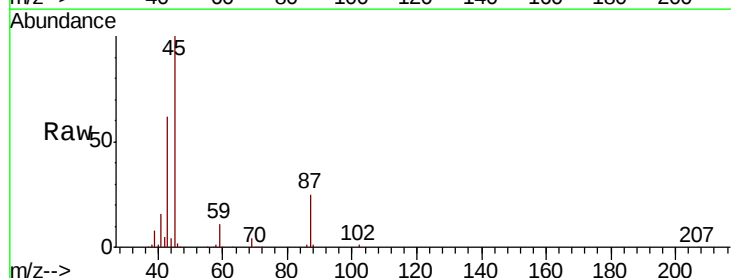
Ion Ratio Lower Upper

45 100

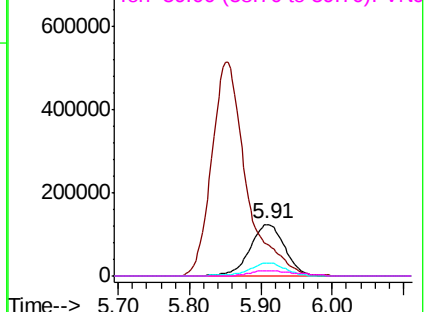
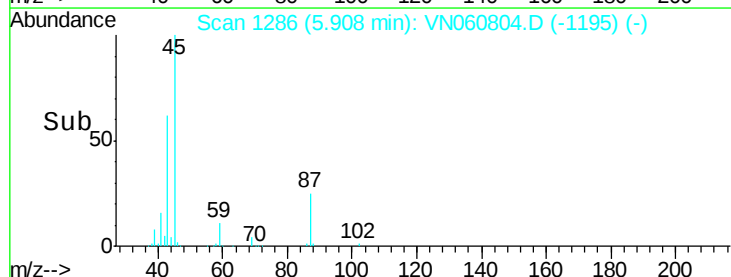
43 61.2 49.8 74.8

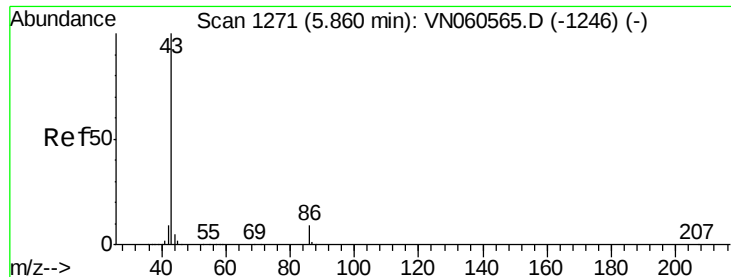
87 25.2 20.1 30.1

59 11.0 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN060804.D (-1195) (-)





#23

Vinyl Acetate

Concen: 263.125 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

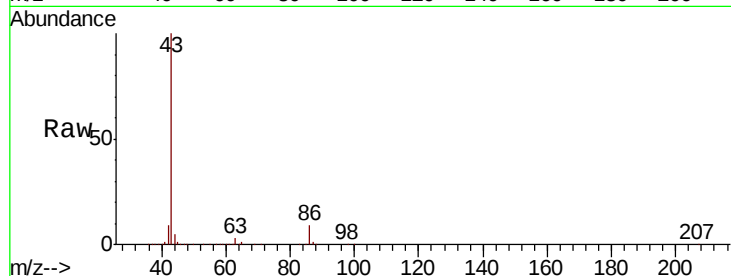
VSTDCCC050

Tot Ion: 43 Resp: 1720942

Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060804.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060804.D (-1178) (-)

5.85

600000

500000

400000

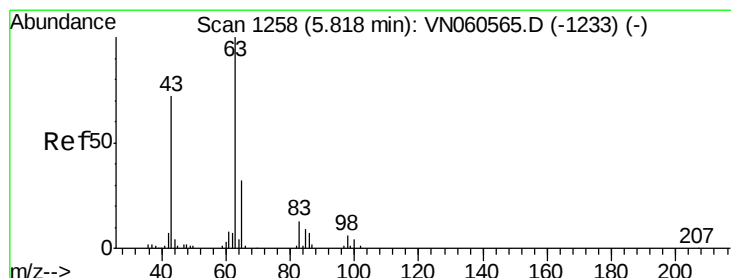
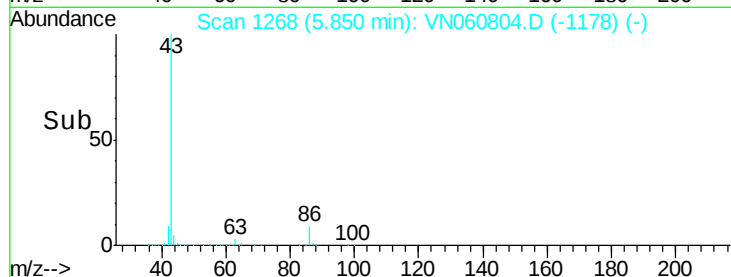
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.972 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

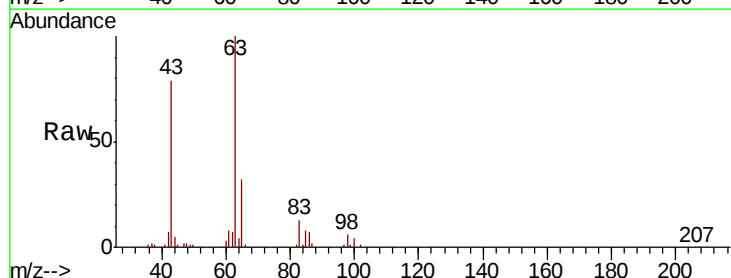
Tgt Ion: 63 Resp: 222743

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060804.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060804.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060804.D (-1165) (-)

5.81

80000

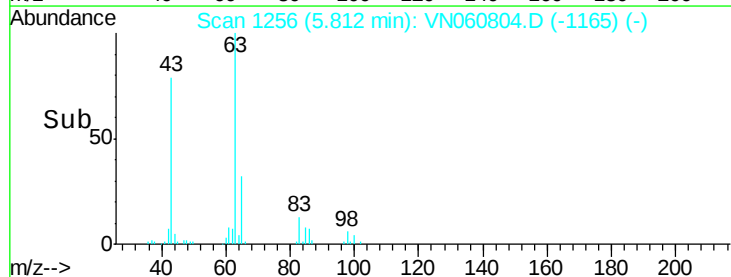
60000

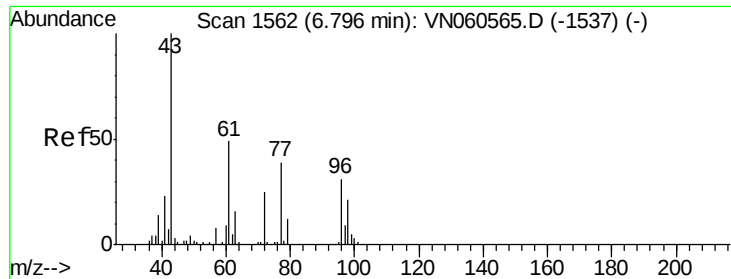
40000

20000

0

Time-->





#25

2-Butanone

Concen: 270.325 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

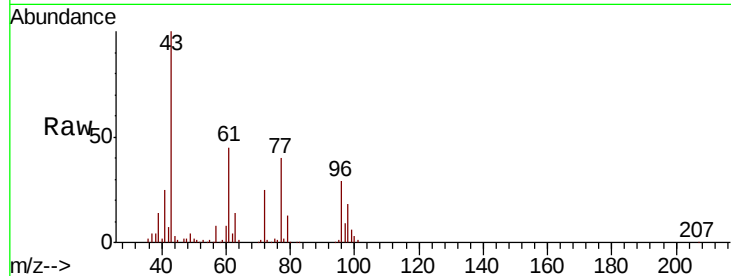
VSTDCCC050

Tot Ion: 43 Resp: 423829

Ion Ratio Lower Upper

43 100

72 24.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

150000

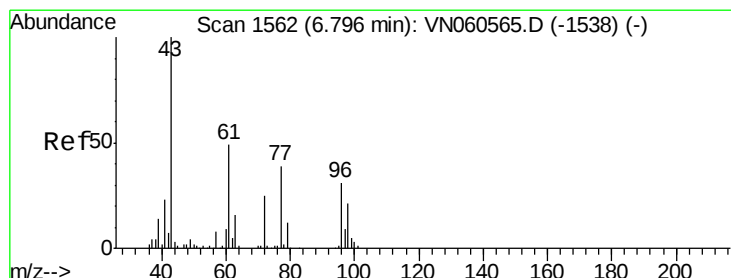
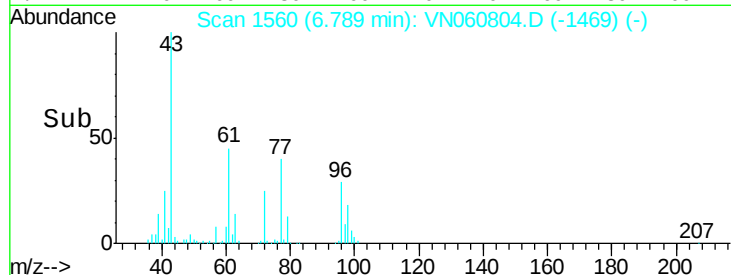
100000

50000

0

6.70 6.80

Time-->



#26

2,2-Dichloropropane

Concen: 55.798 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060804.D

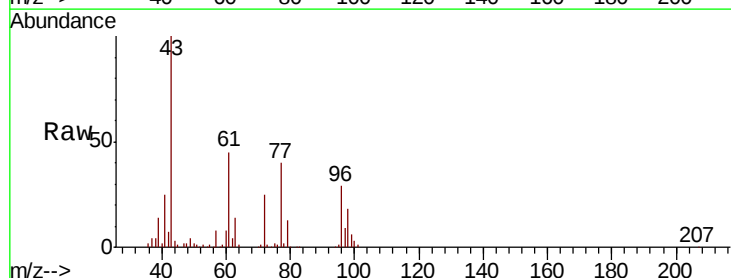
Acq: 1 Apr 2020 11:15

Tgt Ion: 77 Resp: 191844

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

60000

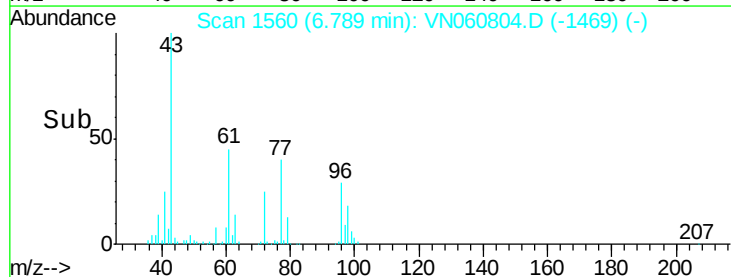
40000

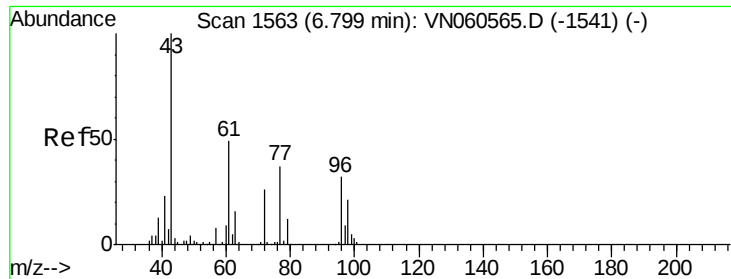
20000

0

6.70 6.80 6.90

Time-->

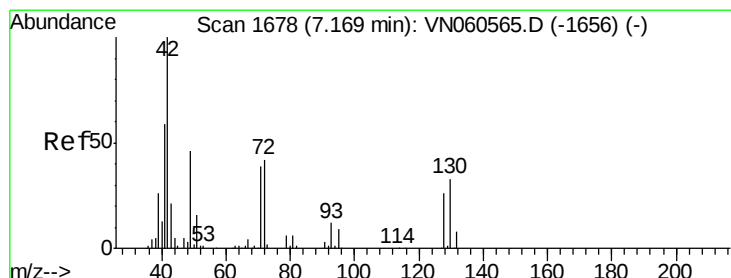
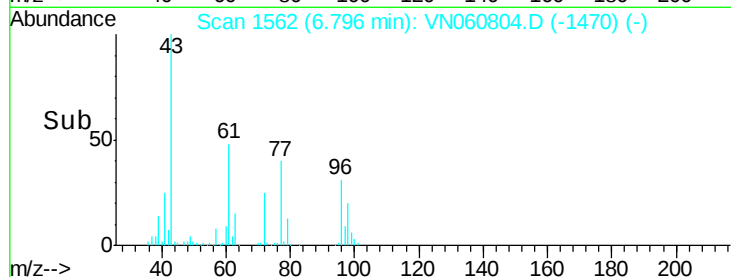
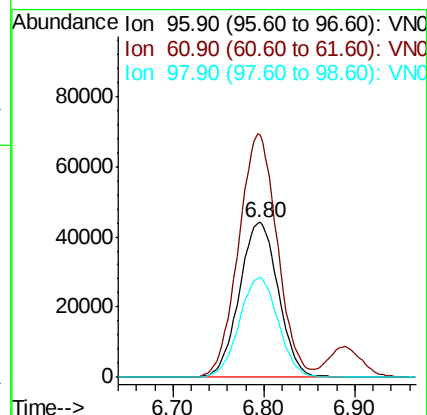
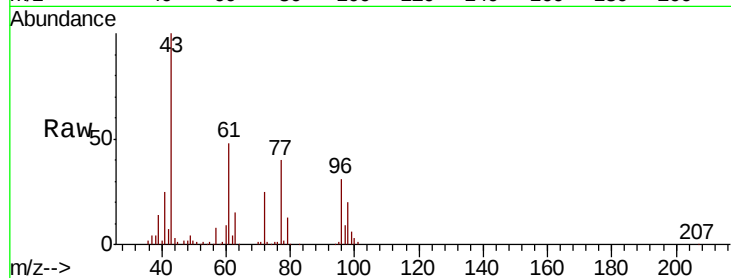




#27
 cis-1,2-Dichloroethene
 Concen: 50.210 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

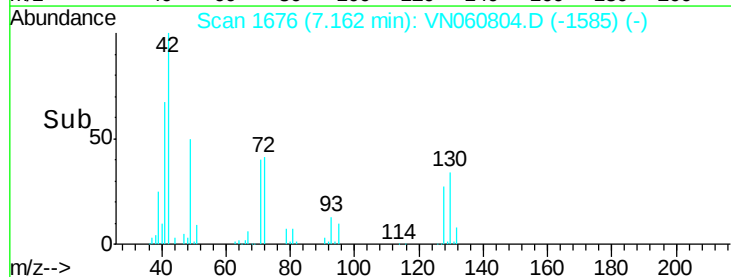
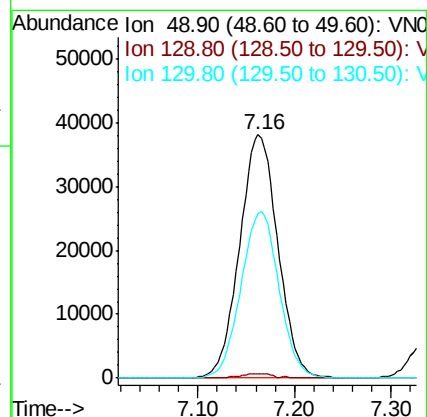
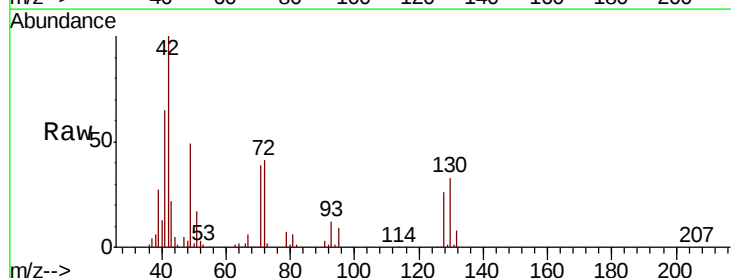
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

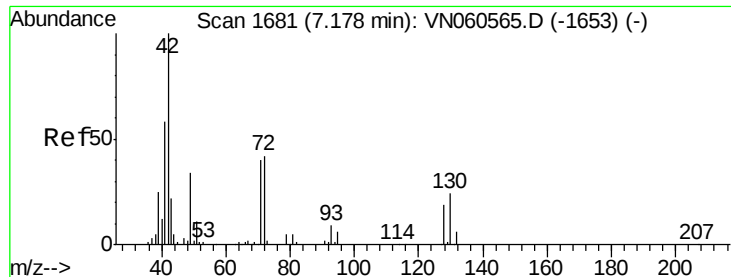
Tot Ion: 96 Resp: 131188
 Ion Ratio Lower Upper
 96 100
 61 156.2 0.0 305.6
 98 64.2 0.0 127.6



#28
 Bromochloromethane
 Concen: 50.241 ug/l
 RT: 7.16 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 49 Resp: 105041
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.4
 130 67.9 55.0 82.4

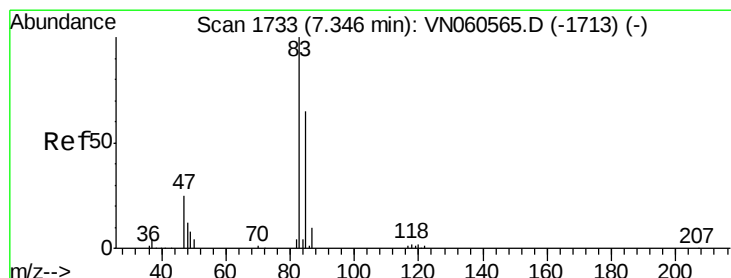
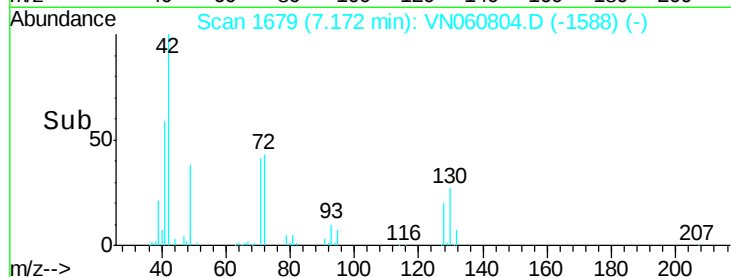
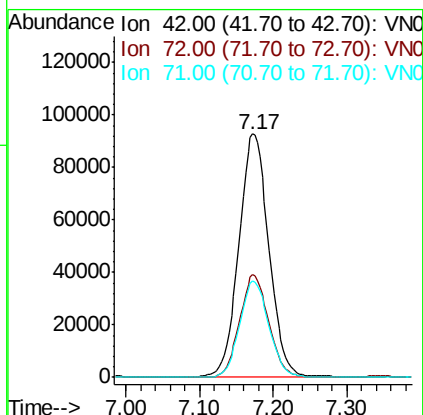
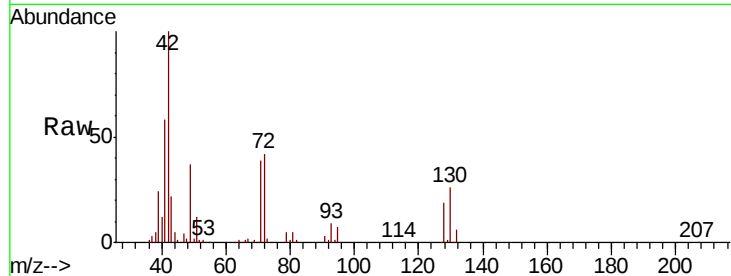




#29
Tetrahydrofuran
Concen: 237.945 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

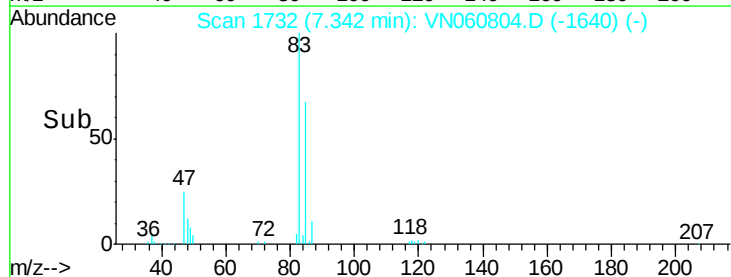
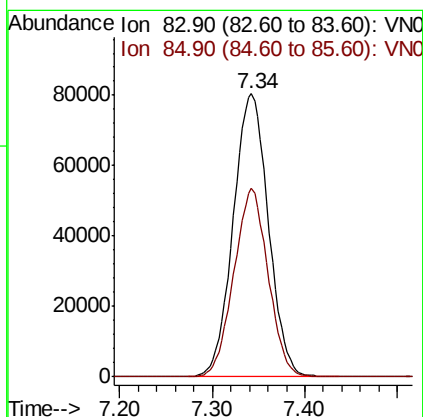
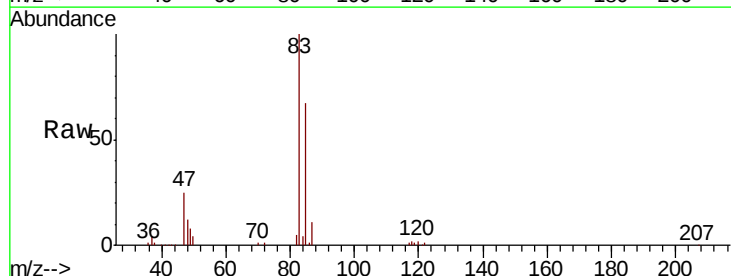
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

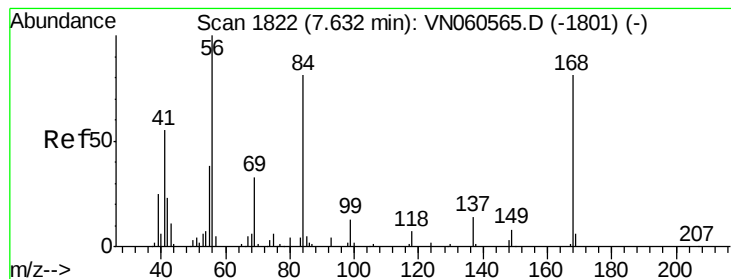
Tot Ion: 42 Resp: 263956
Ion Ratio Lower Upper
42 100
72 40.7 33.2 49.8
71 38.4 31.1 46.7



#30
Chloroform
Concen: 50.541 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 83 Resp: 211732
Ion Ratio Lower Upper
83 100
85 66.7 51.8 77.8





#31

Cyclohexane

Concen: 47.050 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

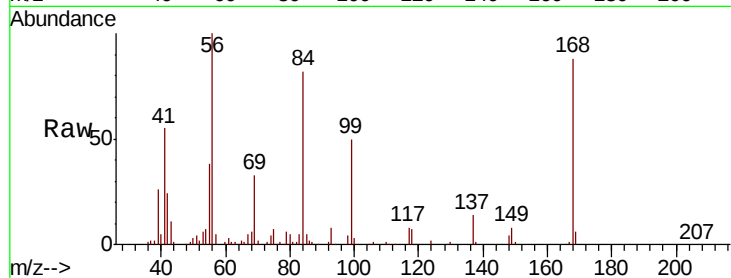
Tot Ion: 56 Resp: 207281

Ion Ratio Lower Upper

56 100

69 32.7 26.6 40.0

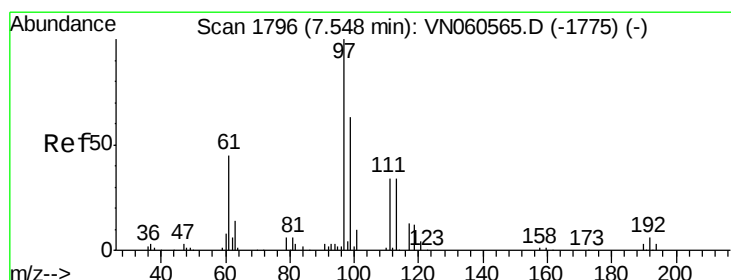
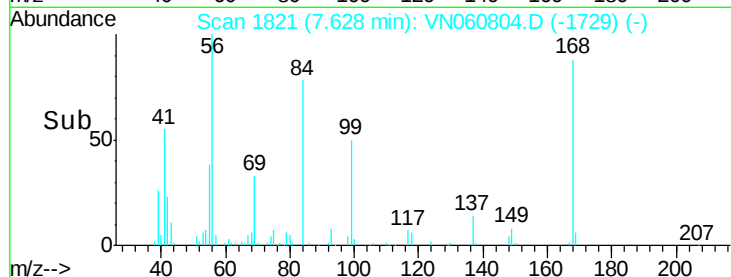
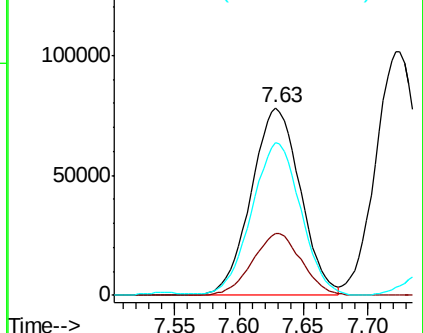
84 80.7 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060804.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060804.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060804.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 50.345 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

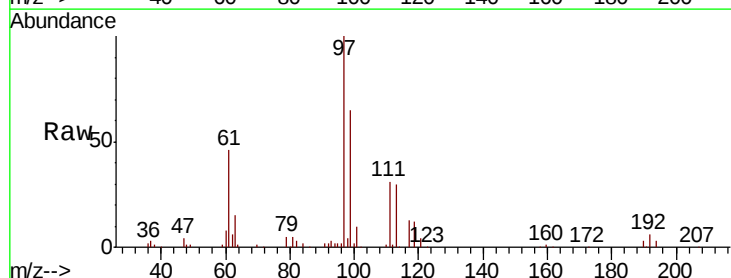
Tgt Ion: 97 Resp: 181817

Ion Ratio Lower Upper

97 100

99 64.2 50.6 75.8

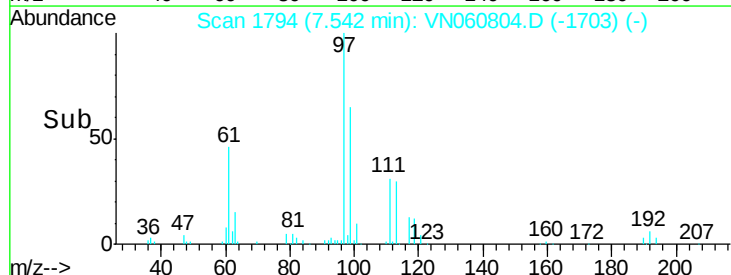
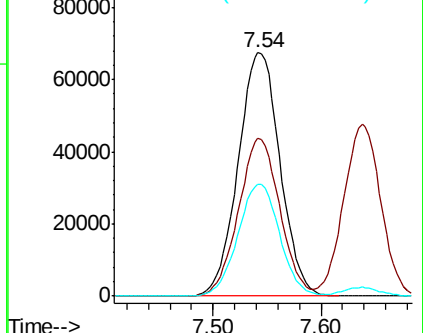
61 45.9 36.2 54.4

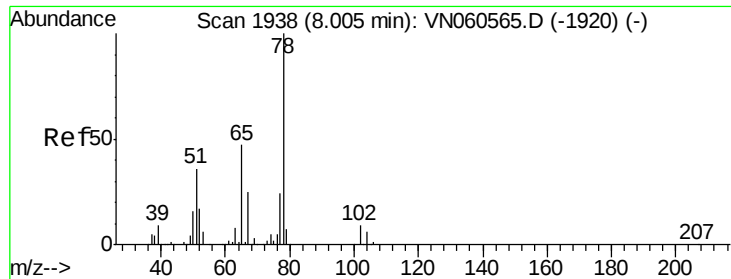


Abundance Ion 96.90 (96.60 to 97.60): VN060804.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060804.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060804.D (-1703) (-)

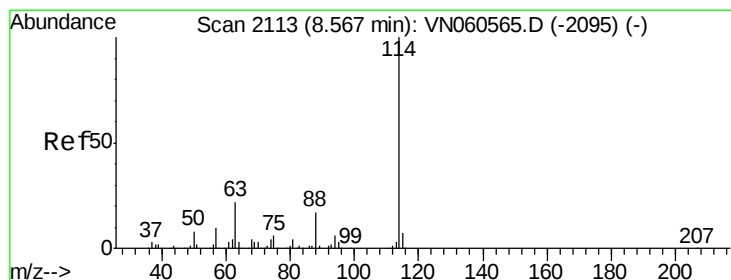
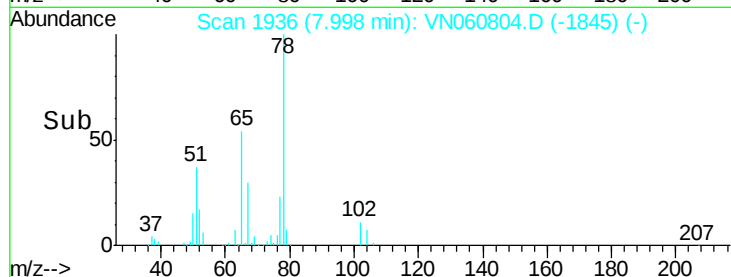
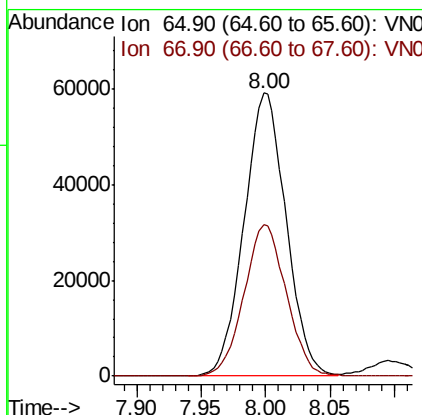
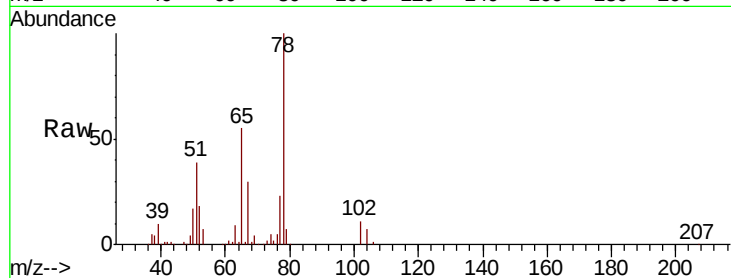




#33
 1,2-Dichloroethane-d4
 Concen: 49.174 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

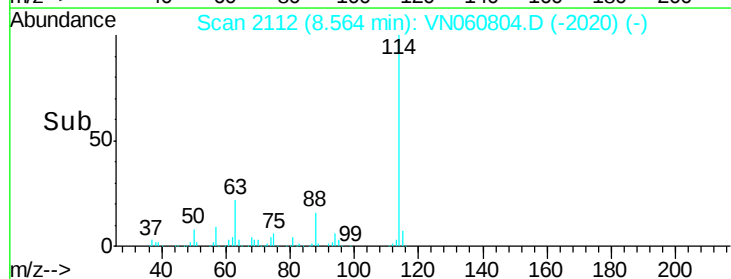
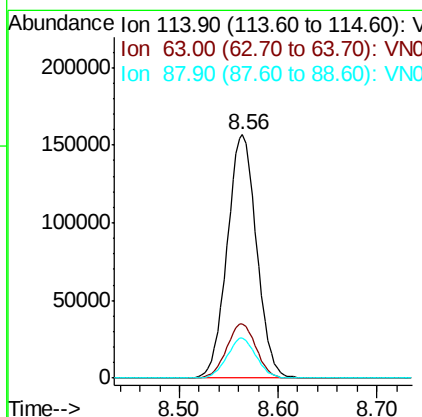
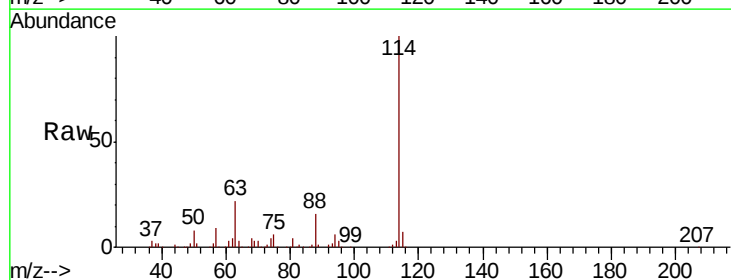
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

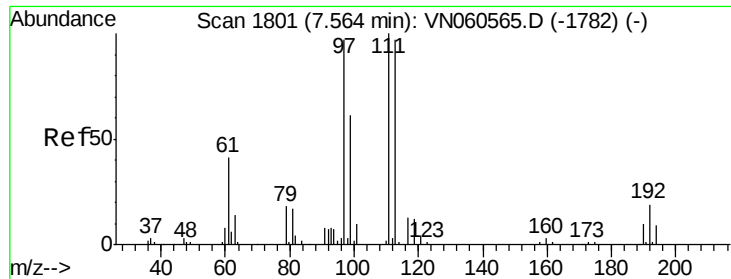
Tot Ion: 65 Resp: 134507
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 114 Resp: 325893
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.5 0.0 33.0

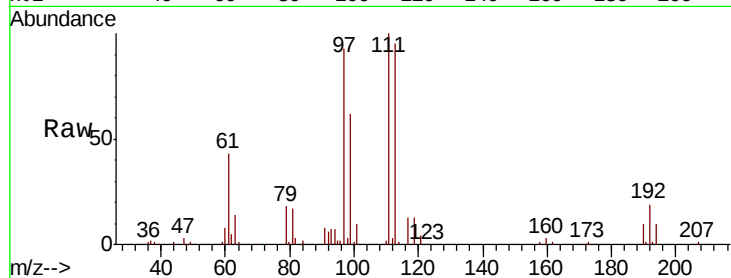




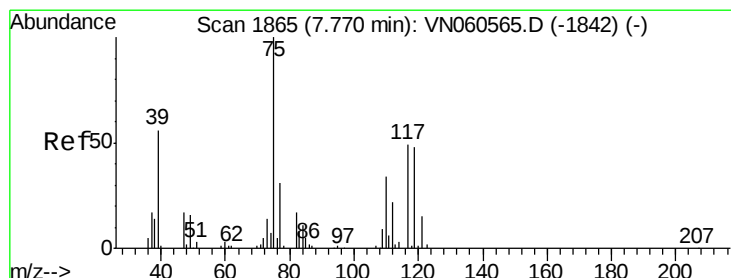
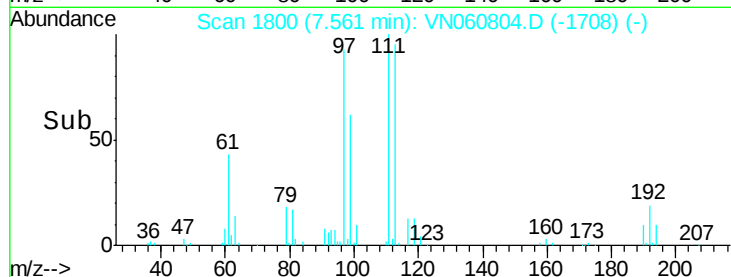
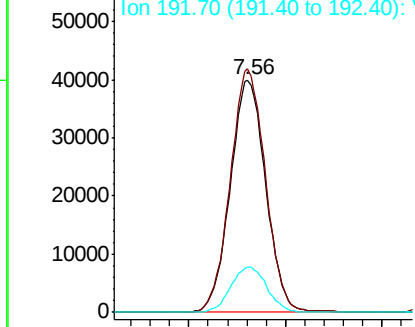
#35
 Dibromofluoromethane
 Concen: 51.598 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 101677
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 19.7 15.8 23.8

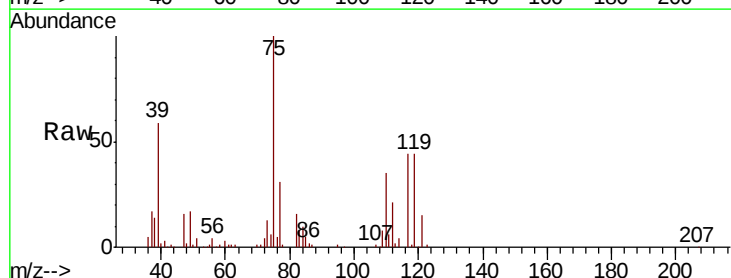


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

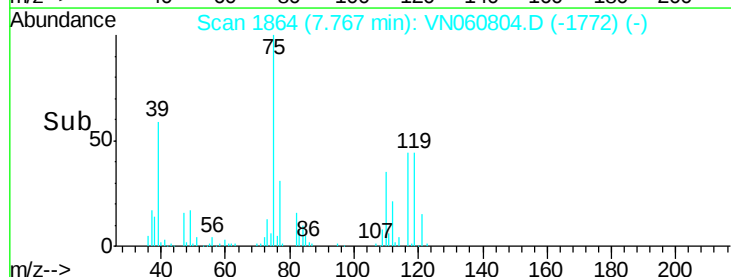
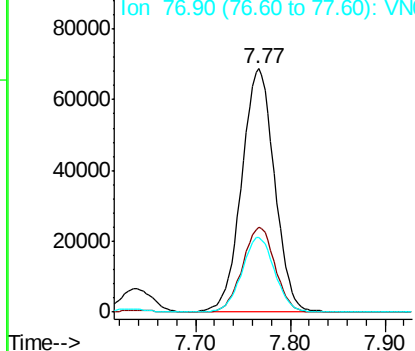


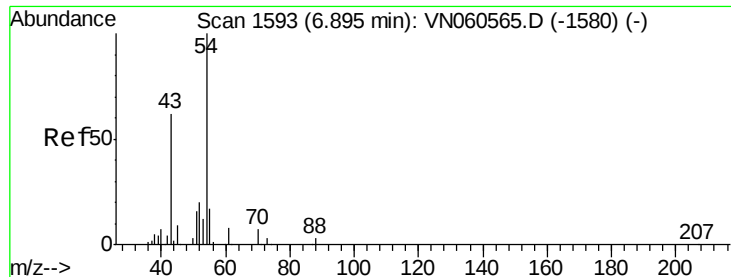
#36
 1,1-Dichloropropene
 Concen: 52.627 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 75 Resp: 166072
 Ion Ratio Lower Upper
 75 100
 110 34.3 16.9 50.6
 77 30.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

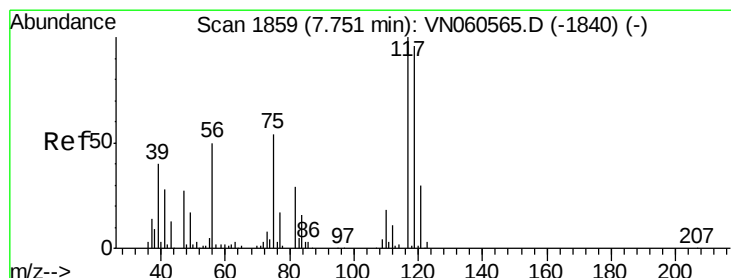
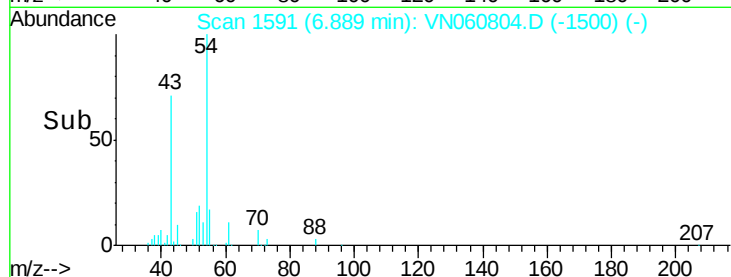
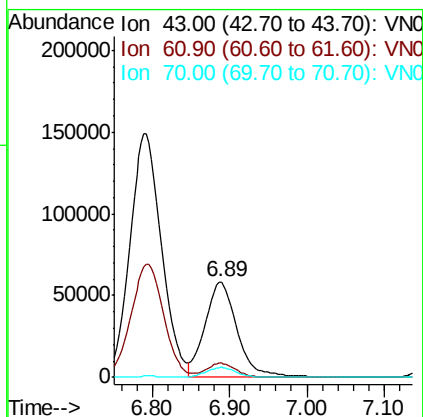
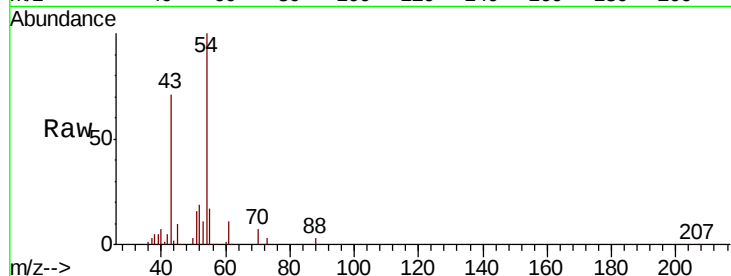




#37
Ethyl Acetate
Concen: 49.261 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

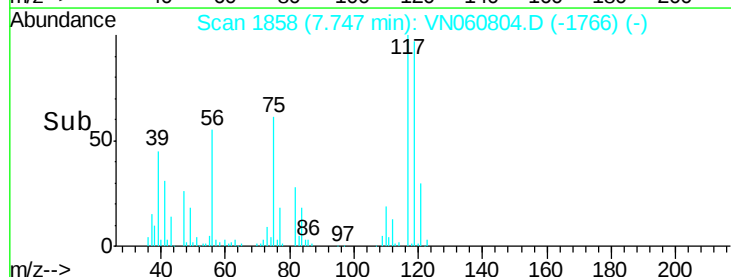
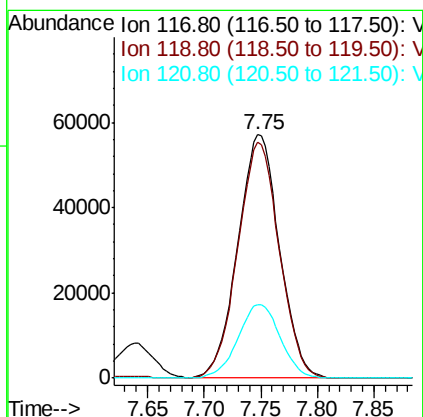
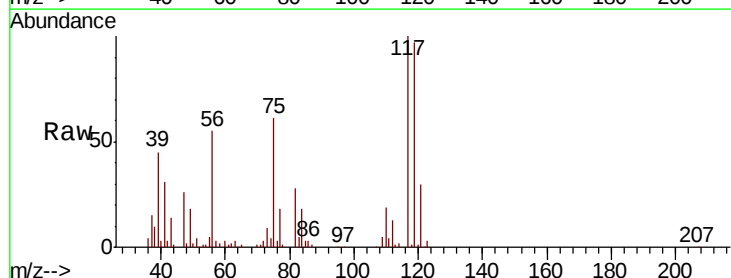
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

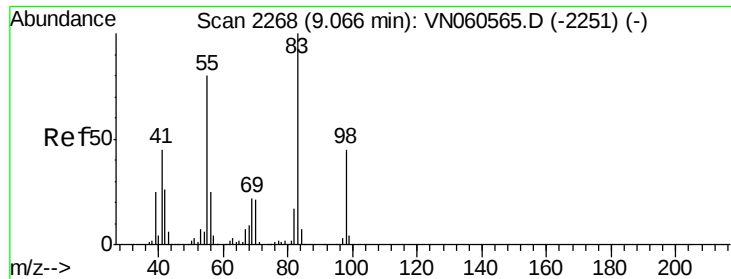
Tot Ion: 43 Resp: 167969
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 10.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 51.610 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 117 Resp: 145968
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.2
121 30.3 23.7 35.5

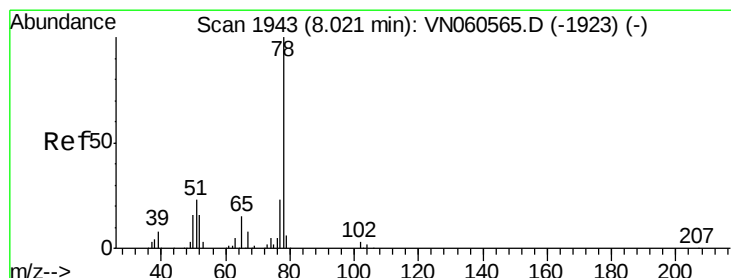
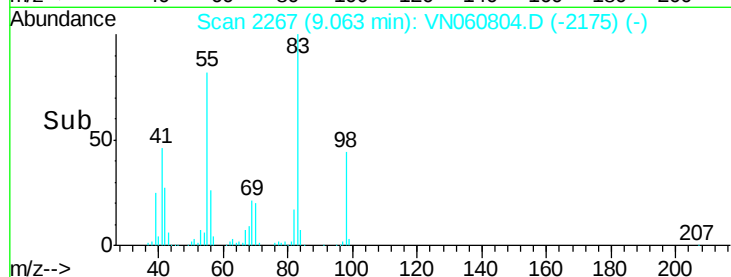
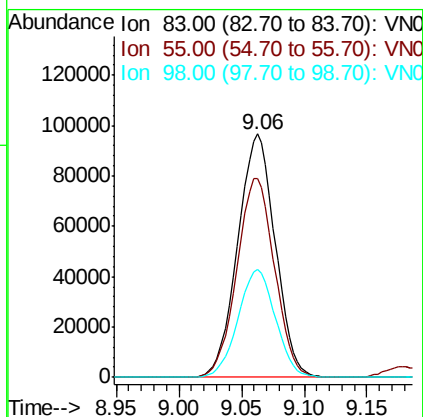
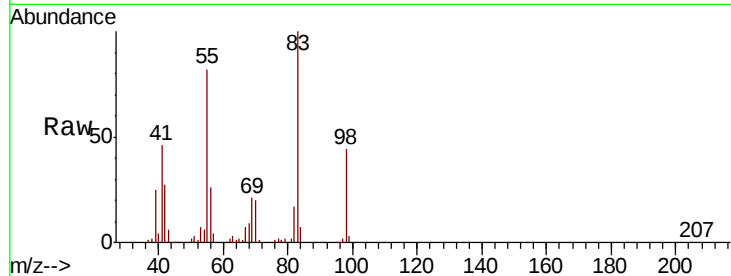




#39
Methvlcvclohexane
Concen: 53.596 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

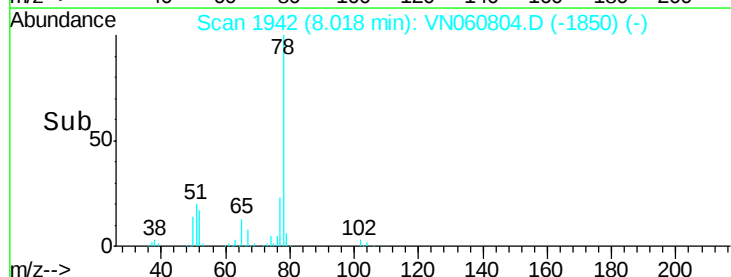
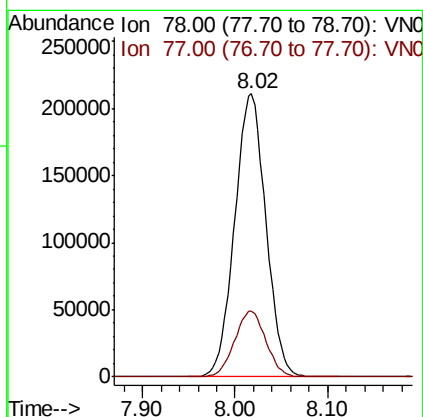
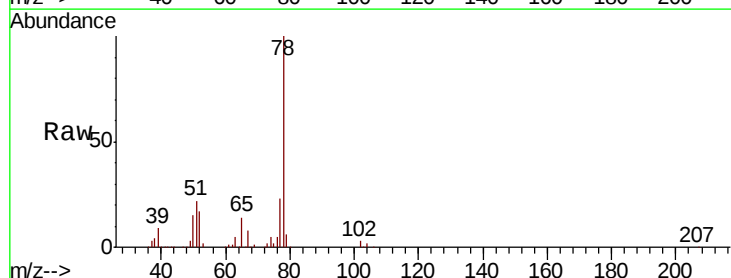
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

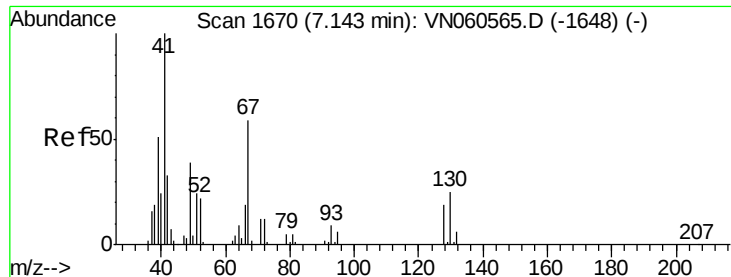
Tot Ion: 83 Resp: 200989
Ion Ratio Lower Upper
83 100
55 81.9 63.6 95.4
98 44.2 36.0 54.0



#40
Benzene
Concen: 51.628 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 78 Resp: 491818
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0

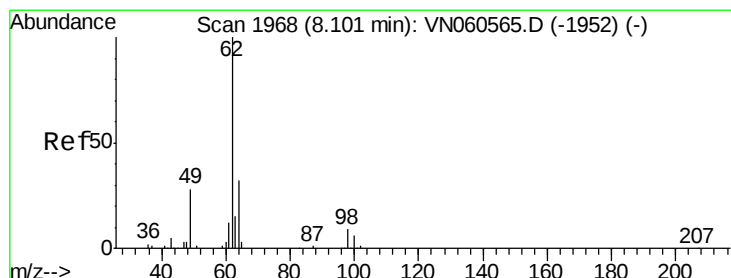
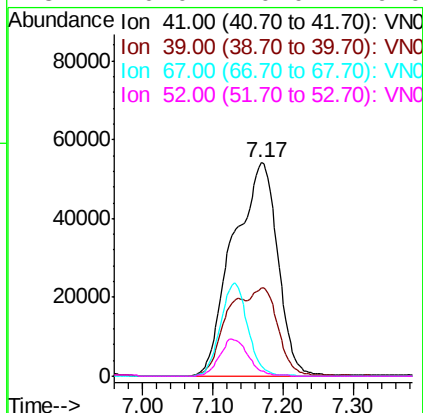
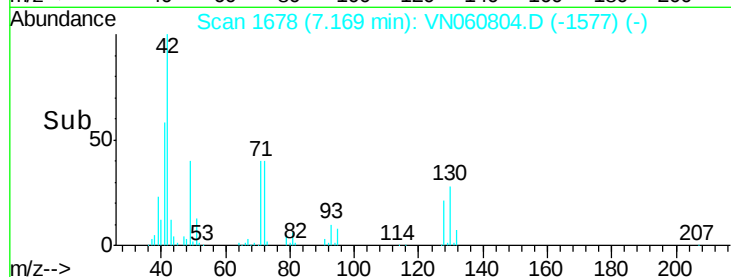
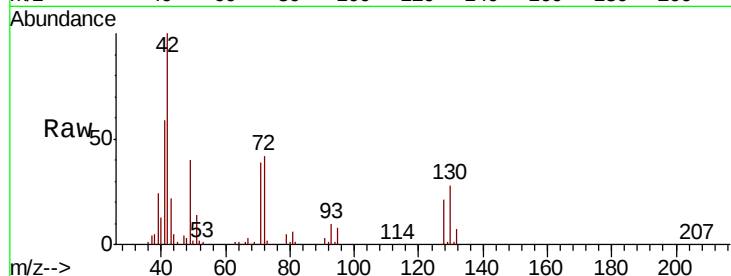




#41
Methacrylonitrile
Concen: 164.521 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.03 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

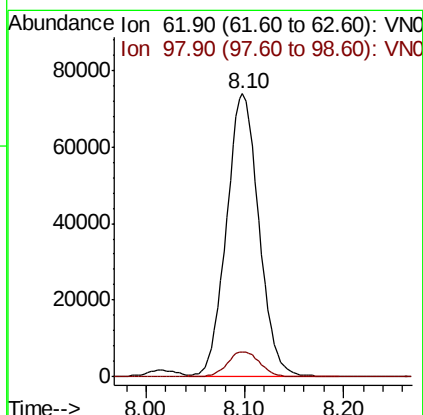
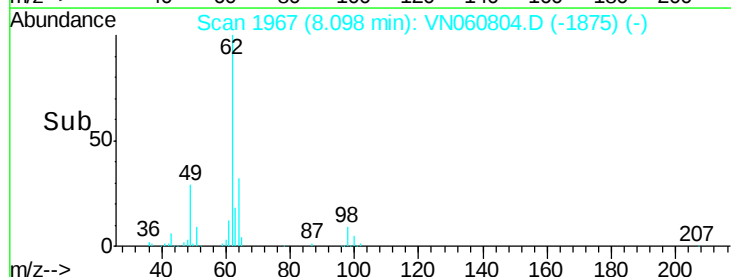
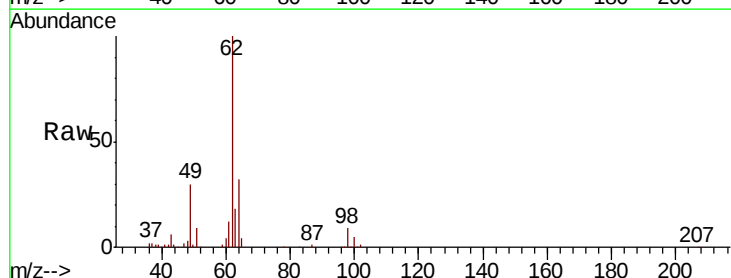
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

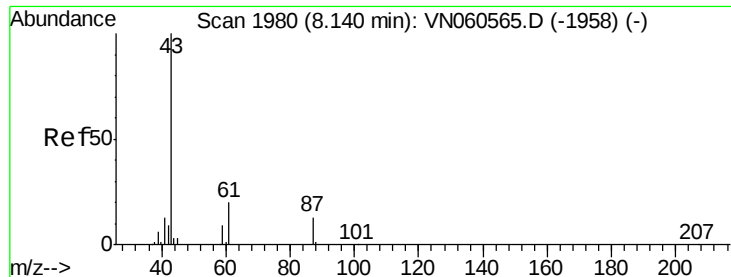
Tot Ion:	41	Resp:	239409
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 52.119 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:	62	Resp:	169677
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 51.227 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

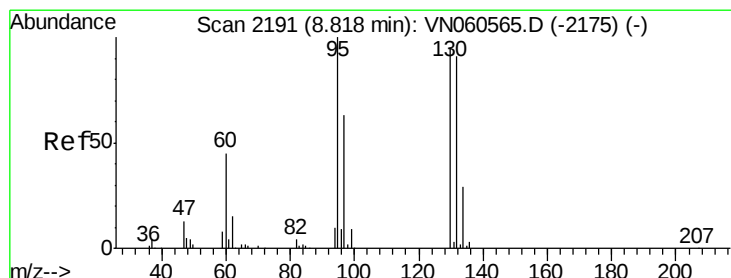
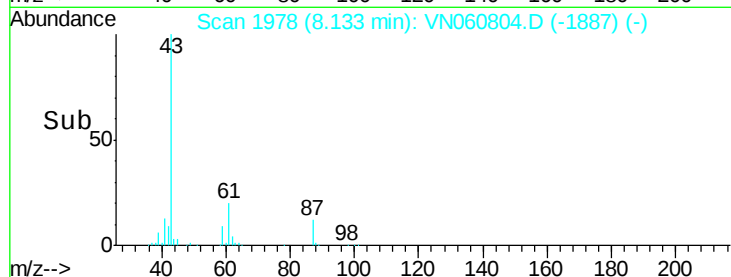
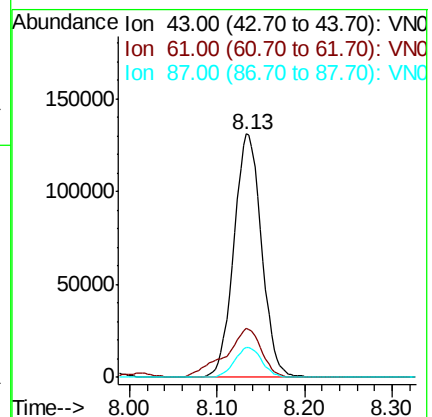
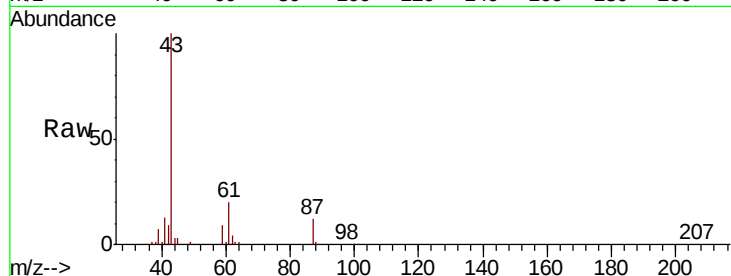
Tot Ion: 43 Resp: 288068

Ion Ratio Lower Upper

43 100

61 26.0 20.7 31.1

87 12.2 9.8 14.8



#44

Trichloroethene

Concen: 51.902 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060804.D

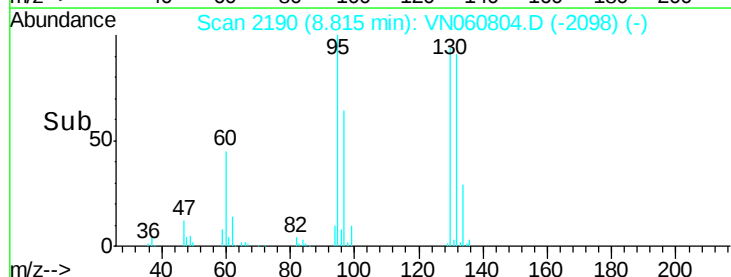
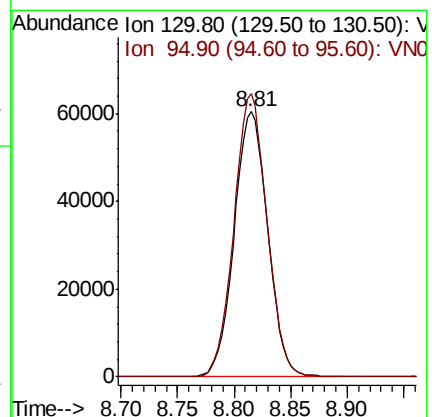
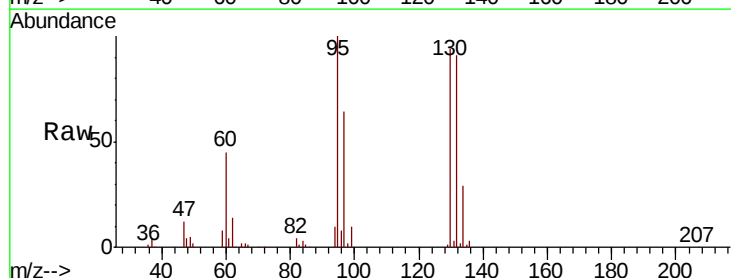
Acq: 1 Apr 2020 11:15

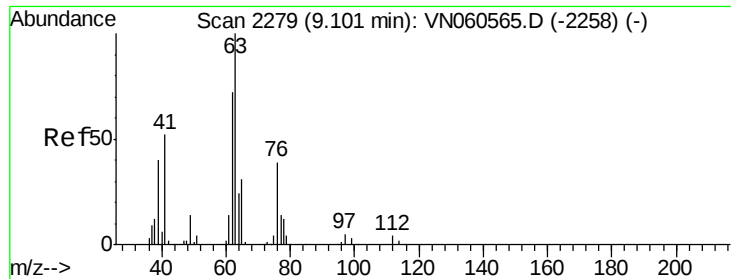
Tgt Ion:130 Resp: 124640

Ion Ratio Lower Upper

130 100

95 106.9 0.0 211.2

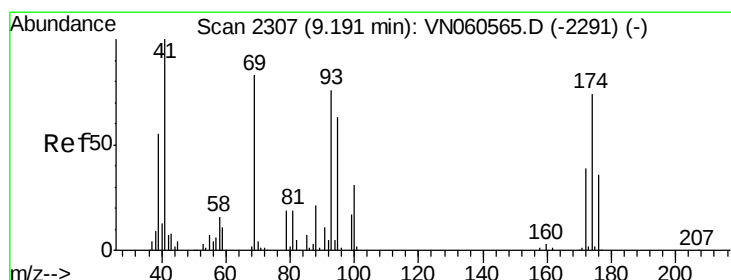
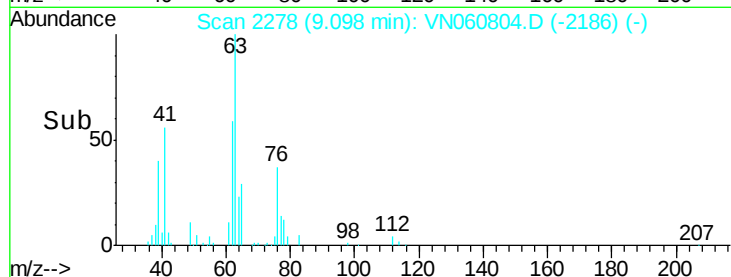
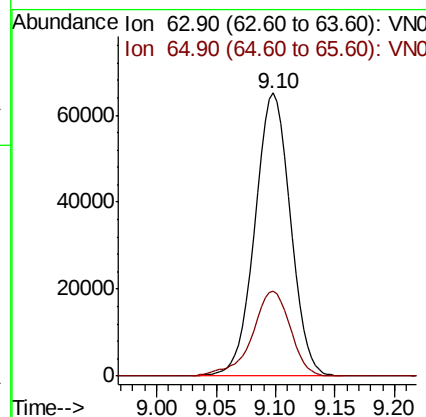
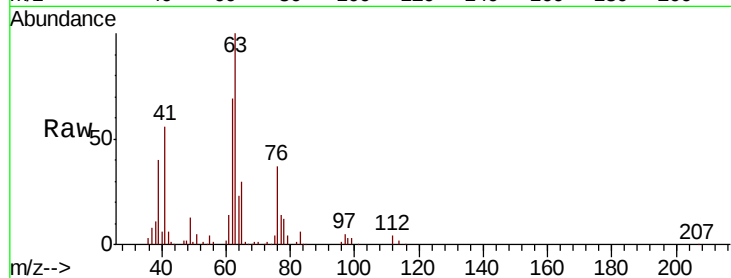




#45
 1,2-Dichloropropane
 Concen: 53.723 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

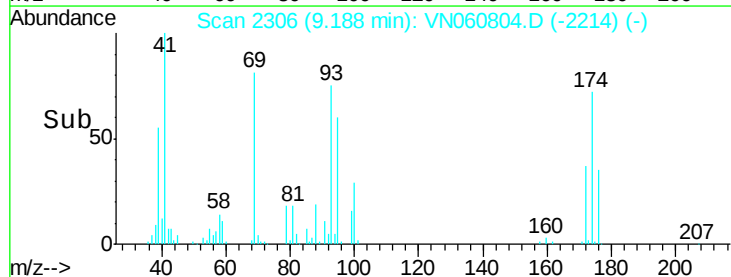
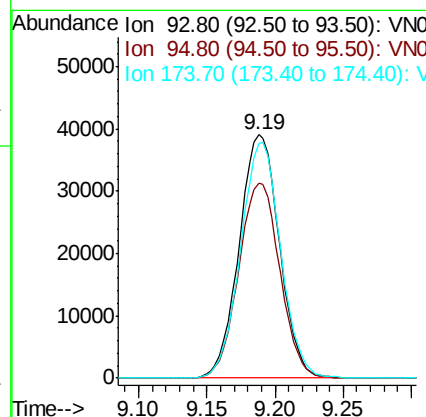
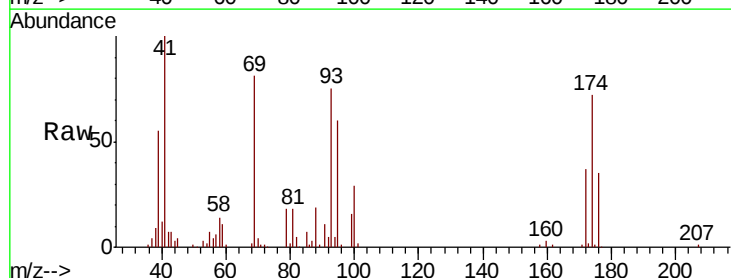
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

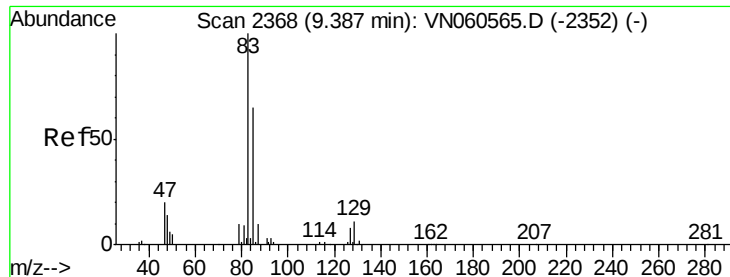
Tot Ion: 63 Resp: 135040
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.0



#46
 Dibromomethane
 Concen: 52.649 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 93 Resp: 80008
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.2 99.4
 174 96.4 77.9 116.9





#47

Bromodichloromethane

Concen: 53.229 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

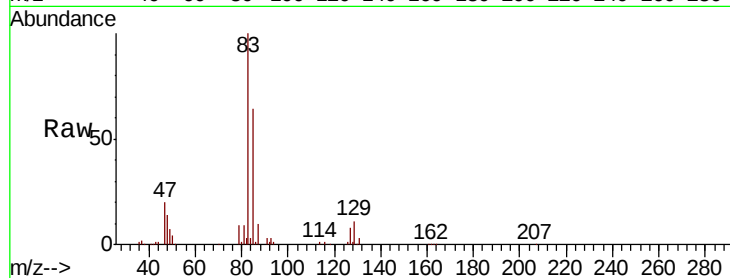
Tot Ion: 83 Resp: 168089

Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

127 8.1 6.5 9.7

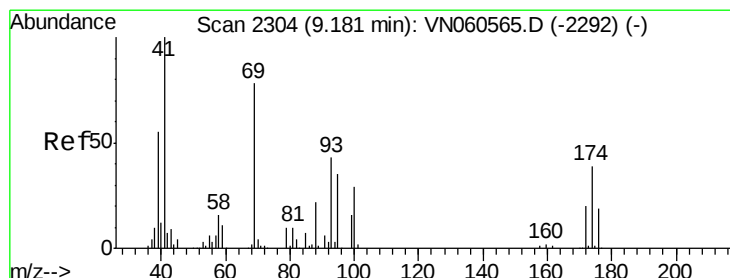
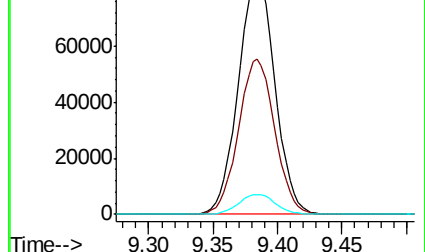
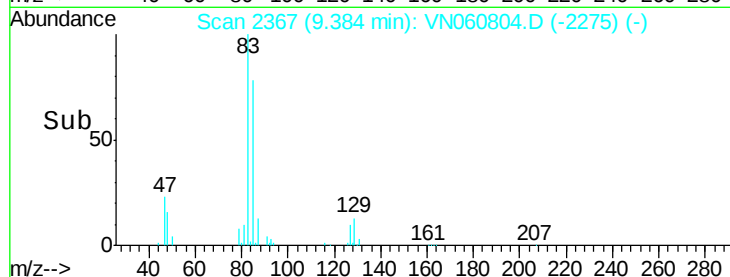


Abundance Ion 82.90 (82.60 to 83.60): VN060804.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060804.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060804.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 50.672 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

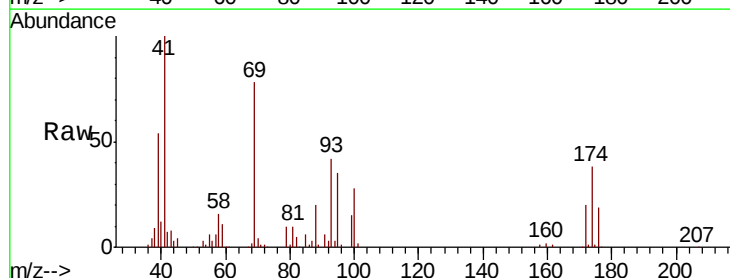
Tgt Ion: 41 Resp: 126866

Ion Ratio Lower Upper

41 100

69 81.9 65.4 98.0

39 54.3 44.0 66.0

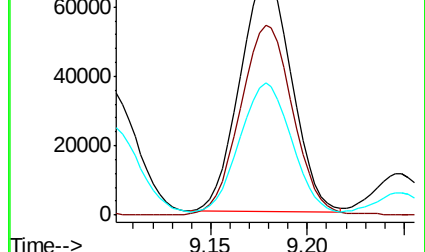
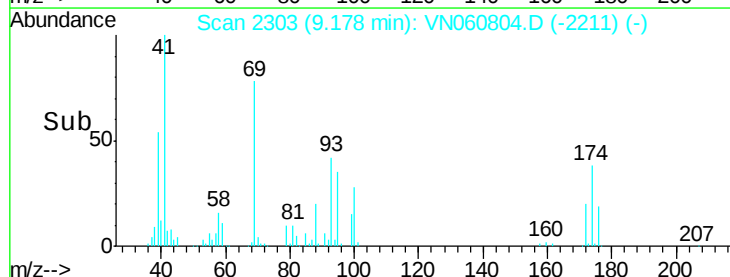


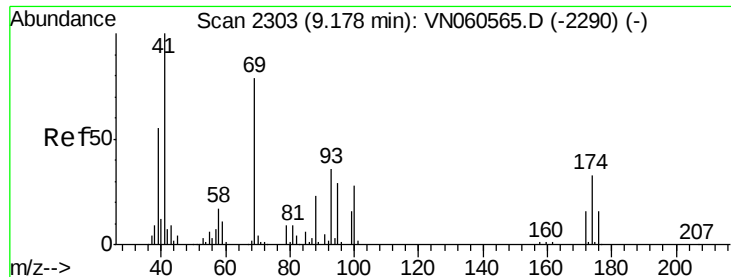
Abundance Ion 41.00 (40.70 to 41.70): VN060804.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060804.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060804.D (-2211) (-)

Time-->

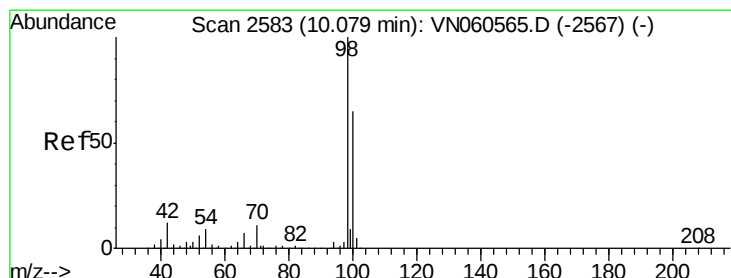
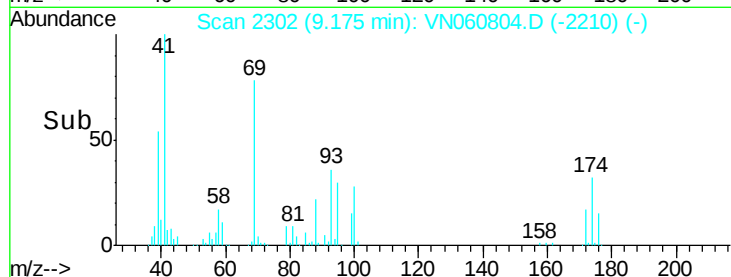
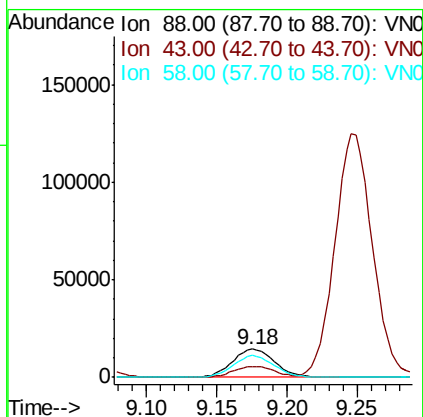
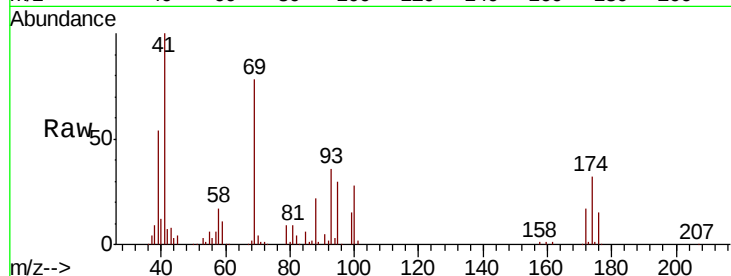




#49
1,4-Dioxane
Concen: 1024.427 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

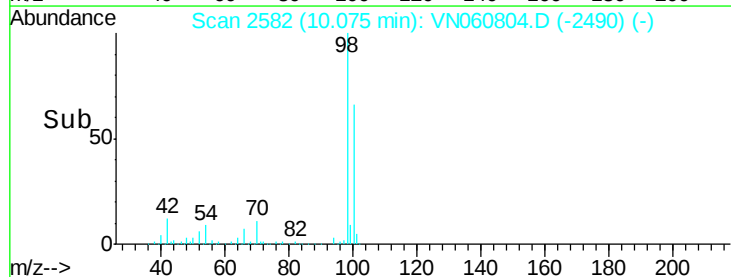
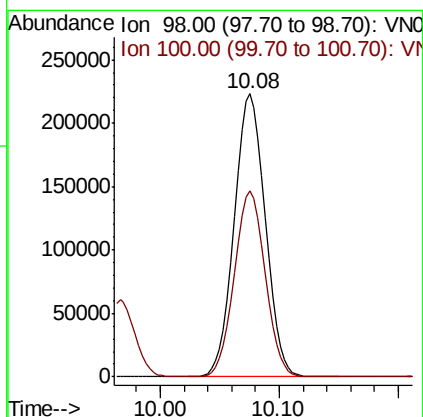
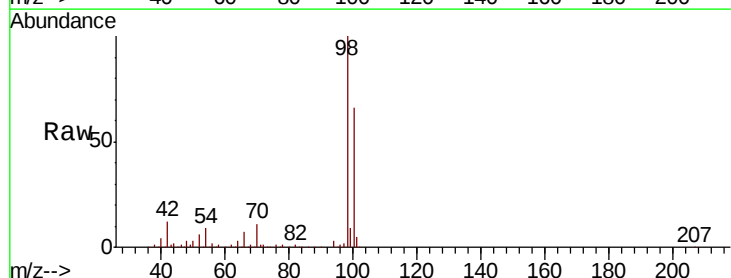
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

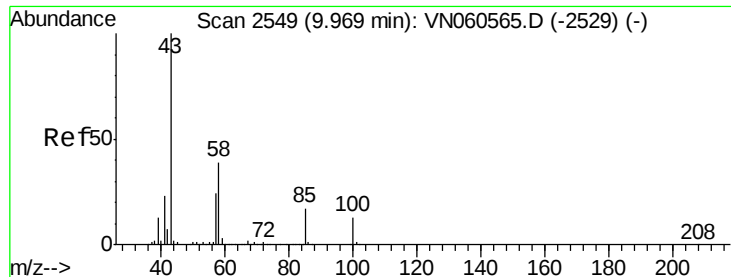
Tot Ion: 88 Resp: 30486
Ion Ratio Lower Upper
88 100
43 37.8 30.8 46.2
58 75.0 59.8 89.8



#50
Toluene-d8
Concen: 50.218 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 98 Resp: 404208
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 256.879 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

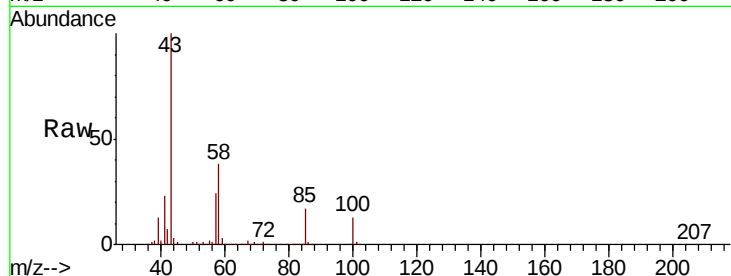
VSTDCCC050

Tot Ion: 43 Resp: 821996

Ion Ratio Lower Upper

43 100

58 38.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060804.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060804.D (-2456) (-)

9.97

500000

400000

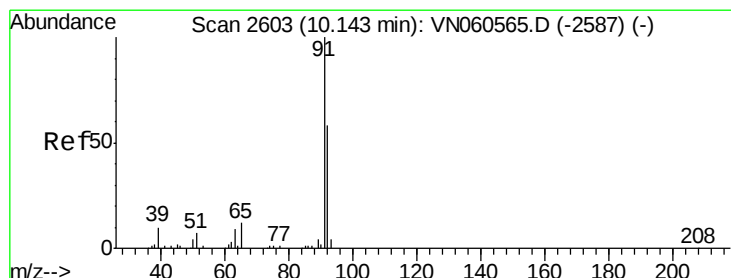
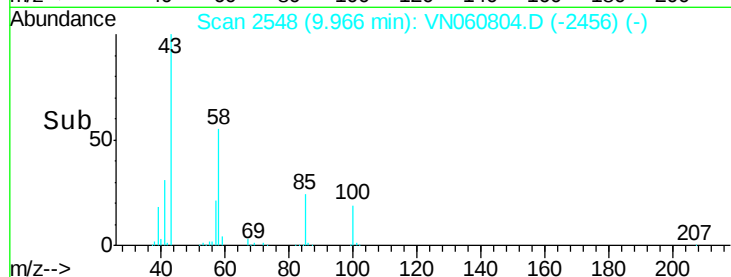
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.132 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060804.D

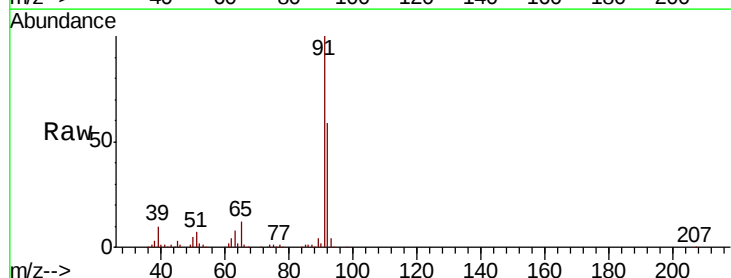
Acq: 1 Apr 2020 11:15

Tgt Ion: 92 Resp: 299921

Ion Ratio Lower Upper

92 100

91 171.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060804.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060804.D (-2510) (-)

10.14

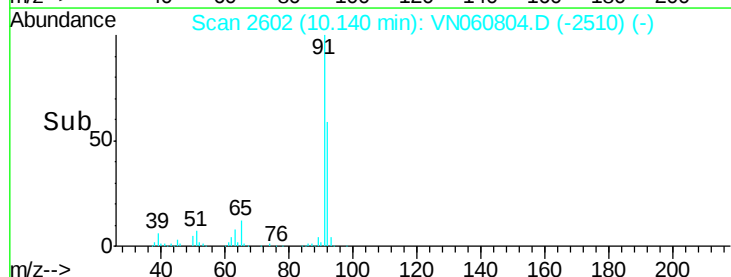
300000

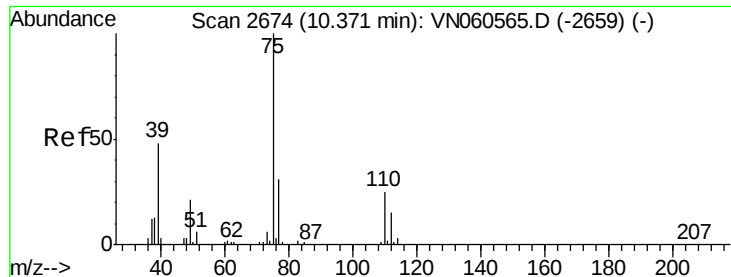
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.564 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

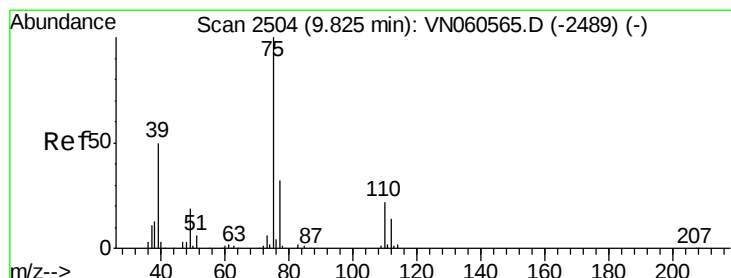
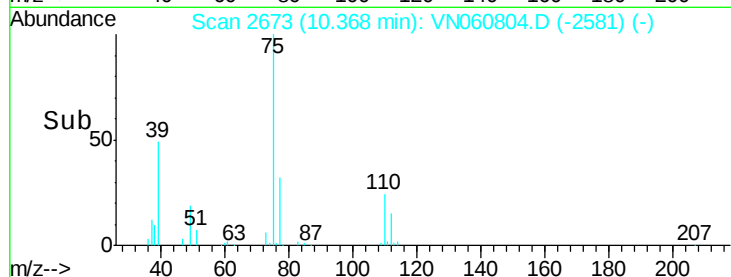
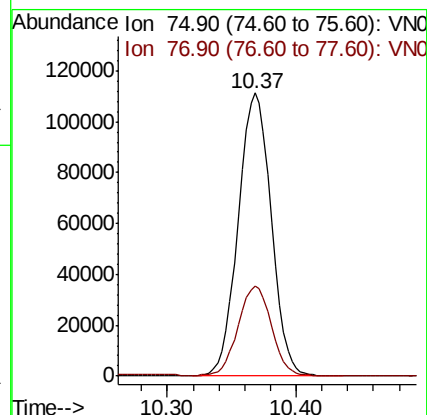
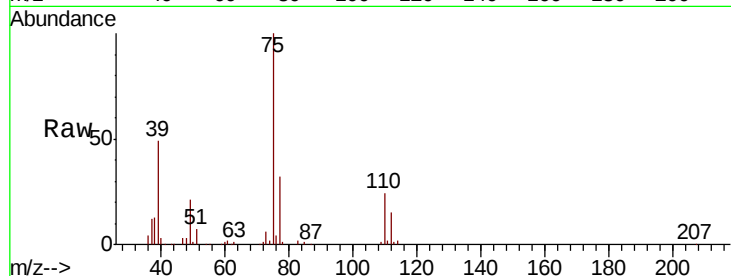
VSTDCCC050

Tot Ion: 75 Resp: 197923

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 54.337 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

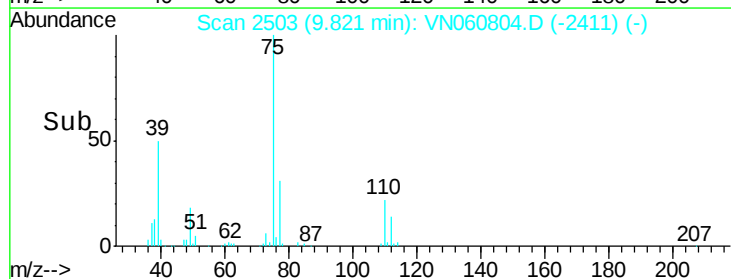
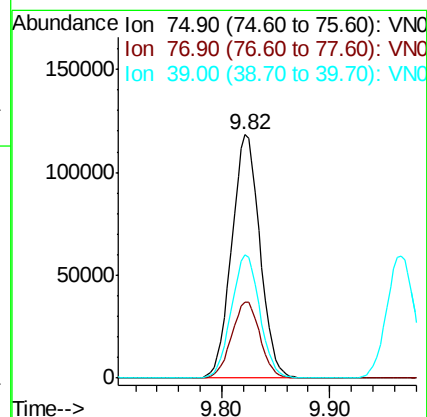
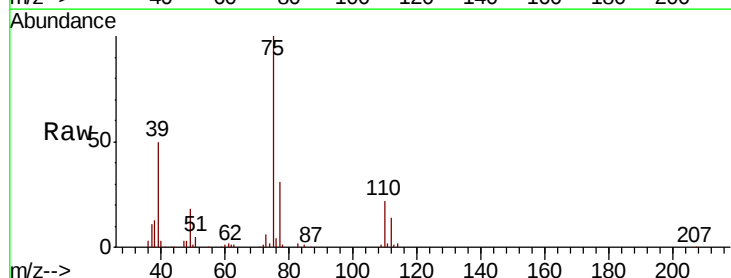
Tgt Ion: 75 Resp: 216227

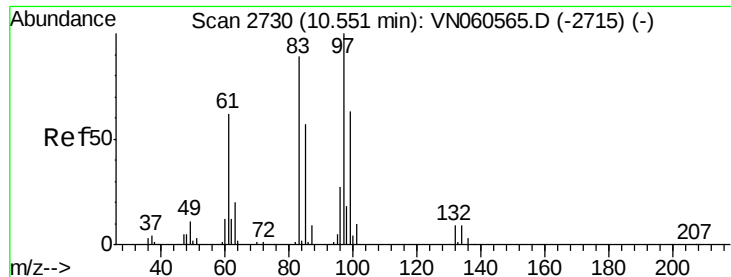
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 50.4 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 52.587 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 116391

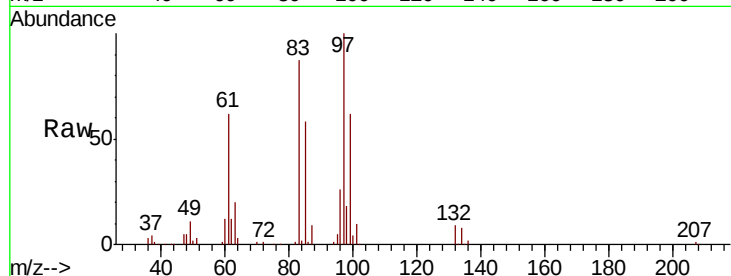
Ion Ratio Lower Upper

97 100

83 87.0 71.3 106.9

85 57.8 45.2 67.8

99 61.9 50.1 75.1

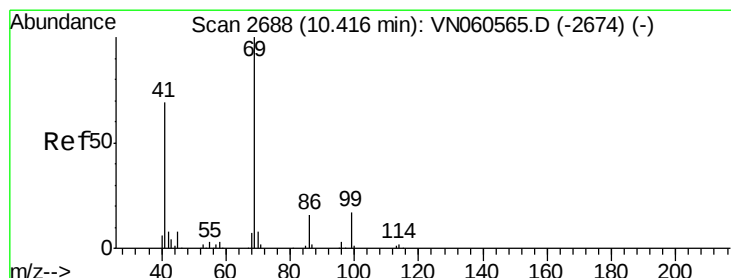
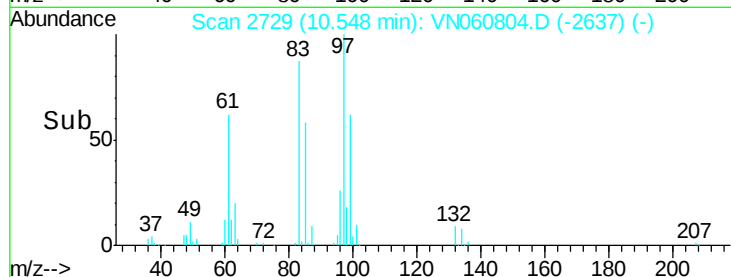
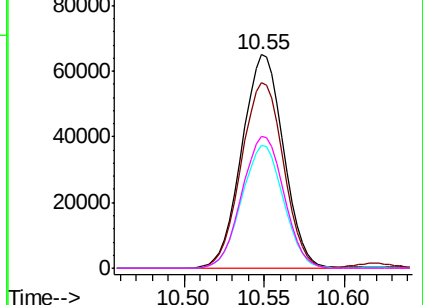


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.143 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

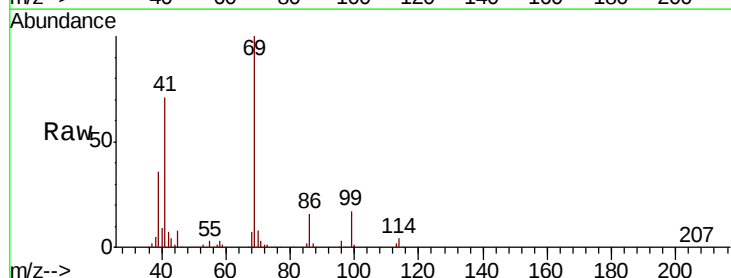
Tgt Ion: 69 Resp: 183400

Ion Ratio Lower Upper

69 100

41 70.4 55.4 83.2

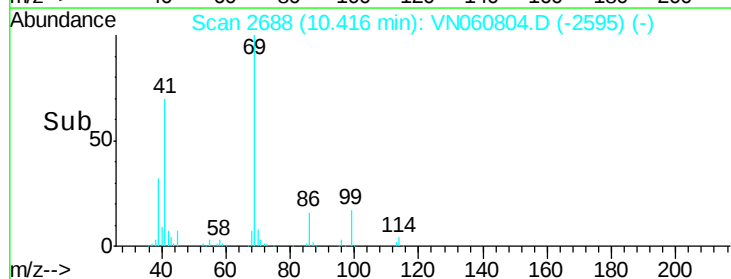
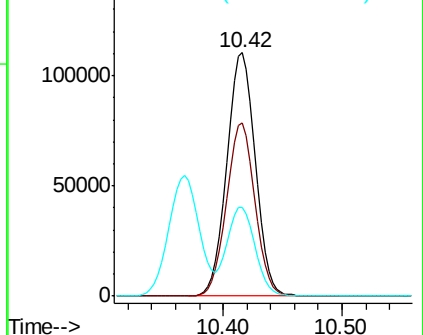
39 35.8 29.4 44.0

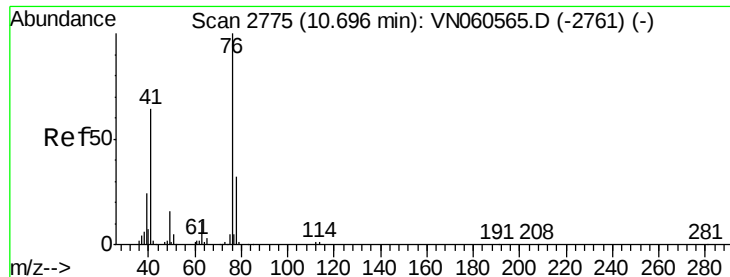


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

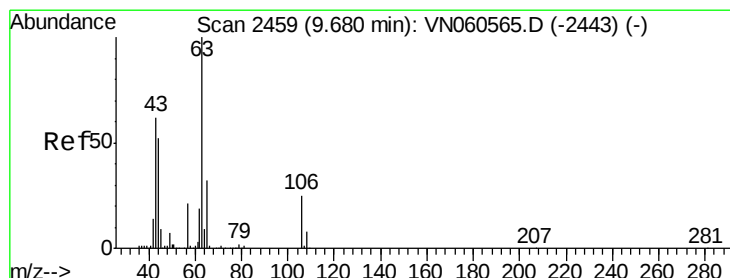
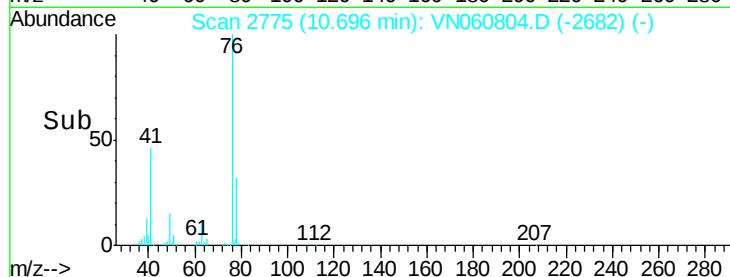
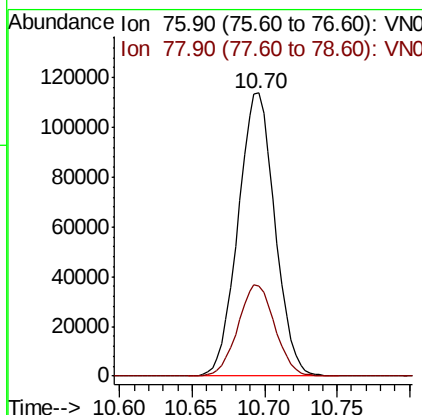
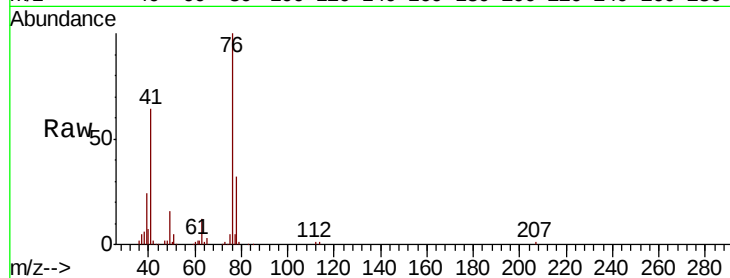




#57
 1,3-Dichloropropane
 Concen: 52.417 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

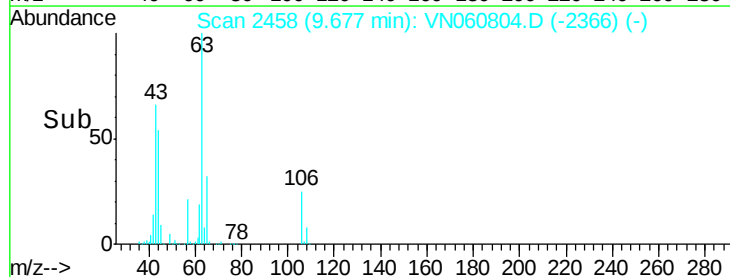
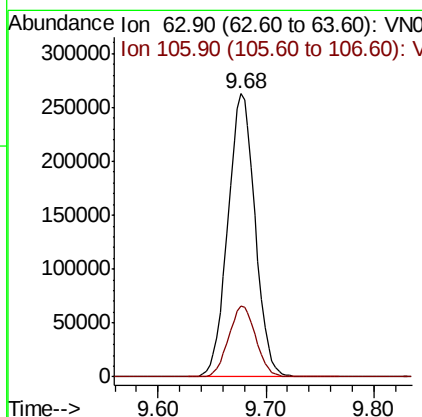
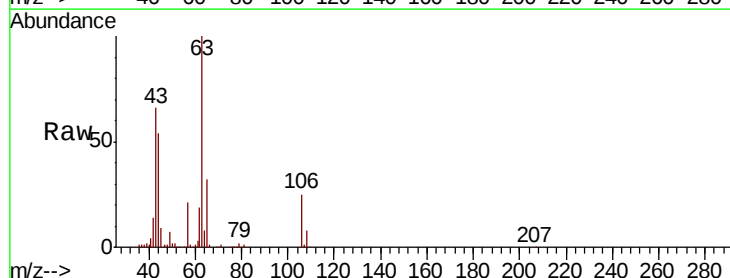
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

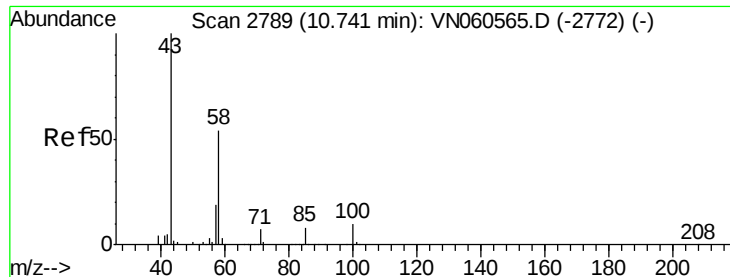
Tot Ion: 76 Resp: 201324
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.536 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 63 Resp: 462314
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.0 30.0

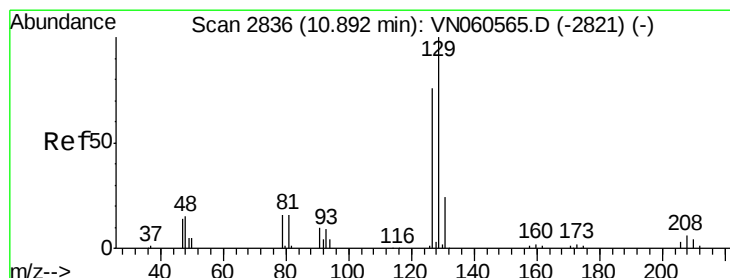
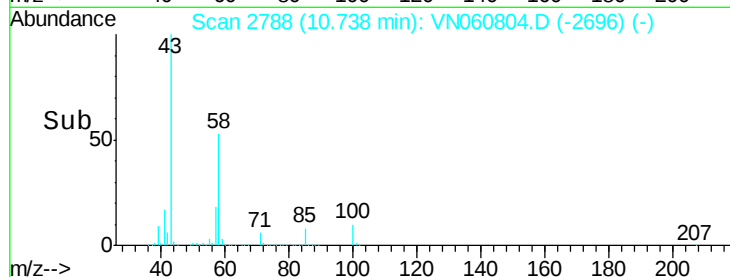
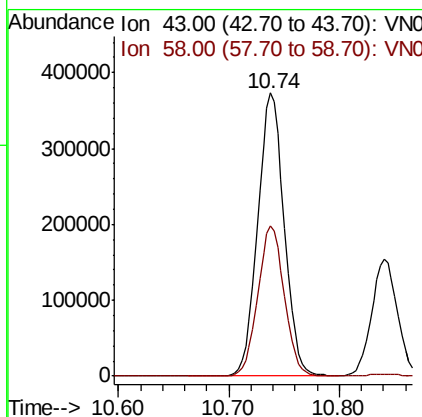
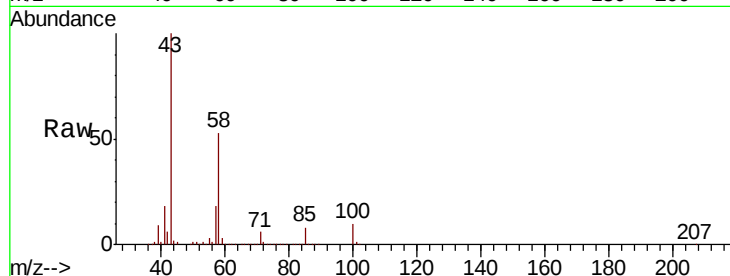




#59
2-Hexanone
Concen: 268.882 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

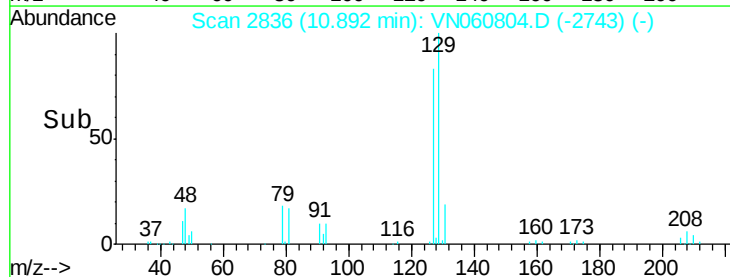
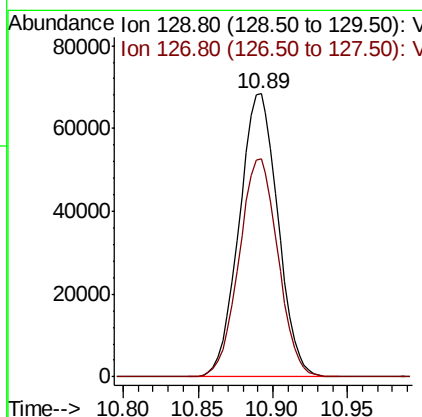
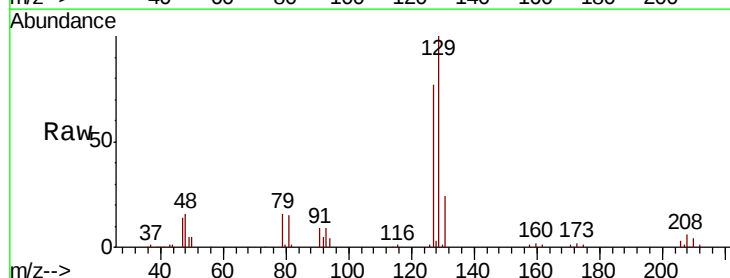
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

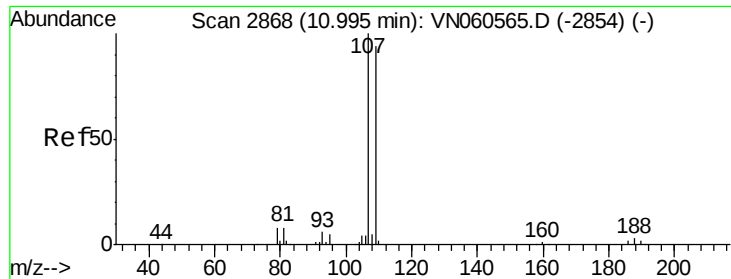
Tot Ion: 43 Resp: 619793
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1



#60
Dibromochloromethane
Concen: 53.991 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:129 Resp: 123436
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

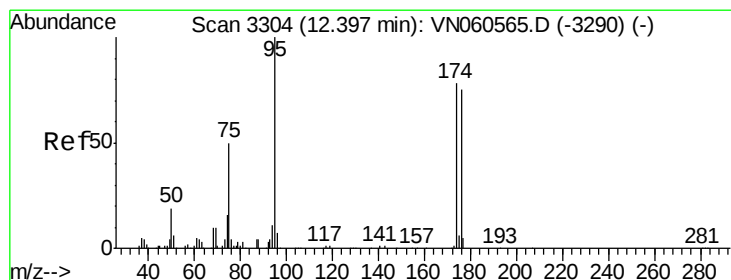
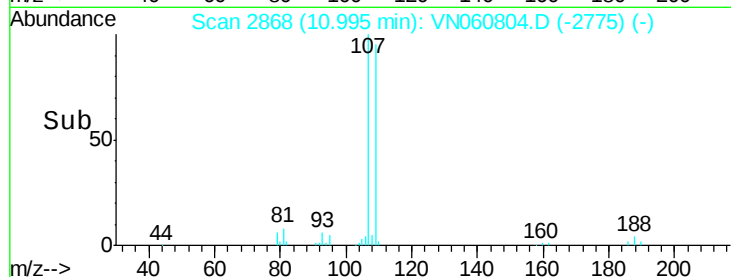
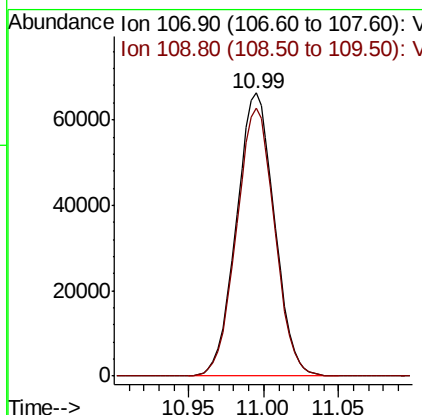
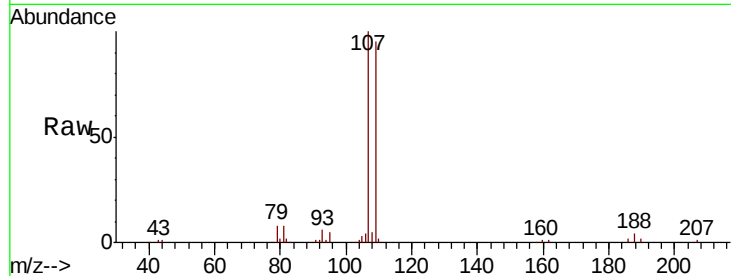




#61
 1,2-Dibromoethane
 Concen: 52.772 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

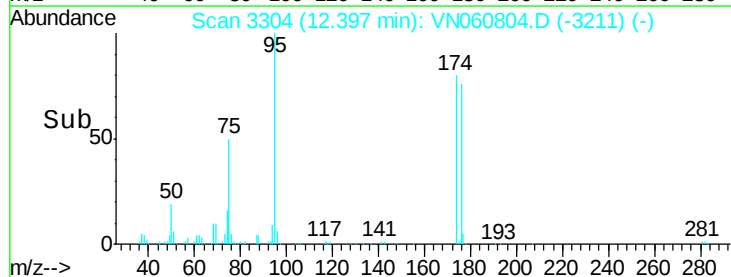
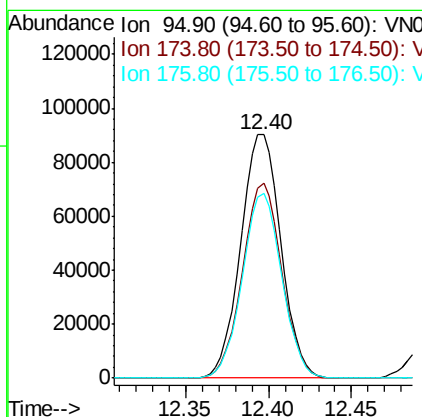
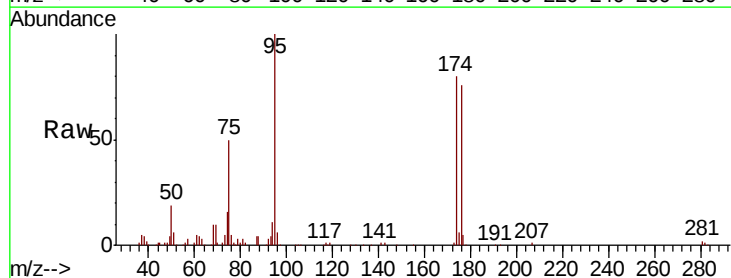
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

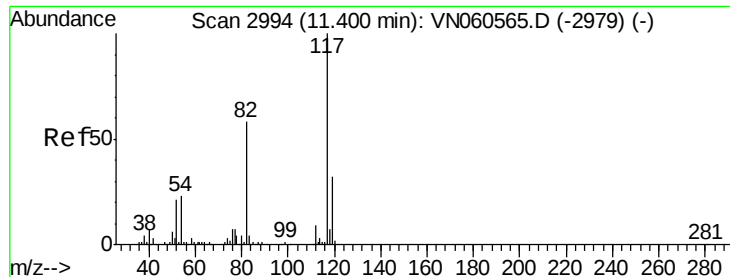
Tot Ion:107 Resp: 117450
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.606 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion: 95 Resp: 152231
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 157.6
 176 74.5 0.0 150.6

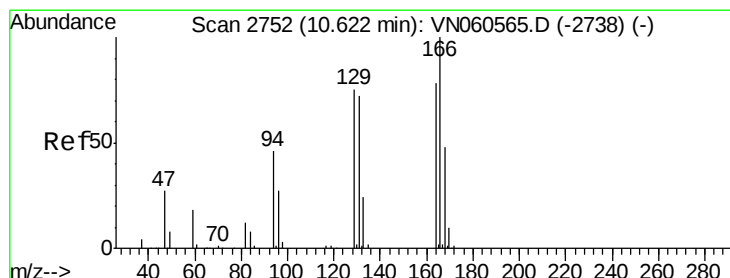
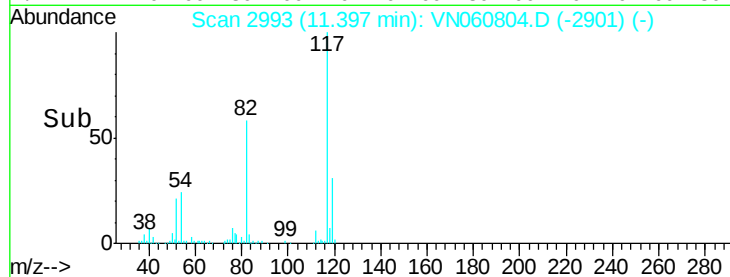
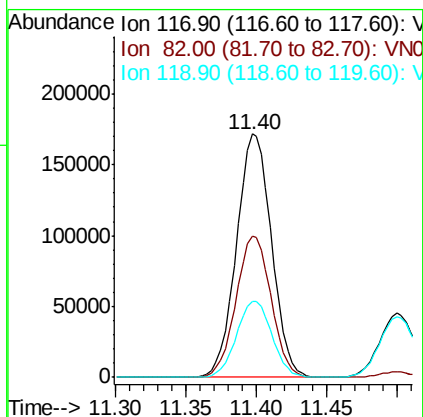
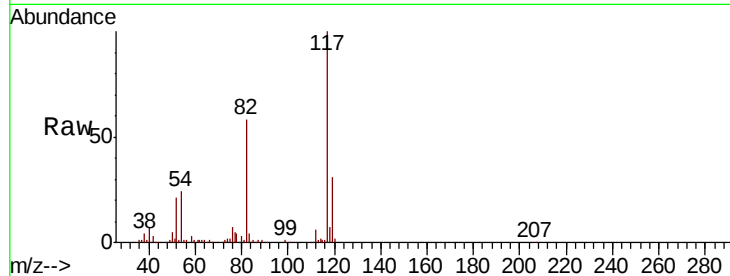




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

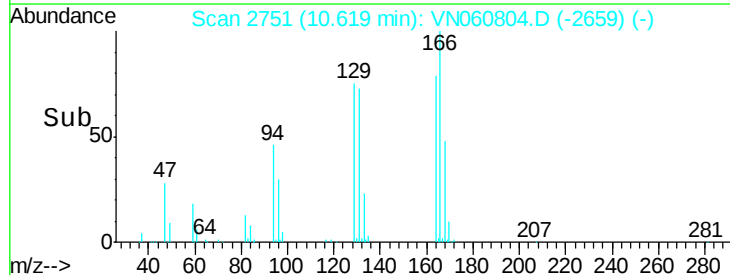
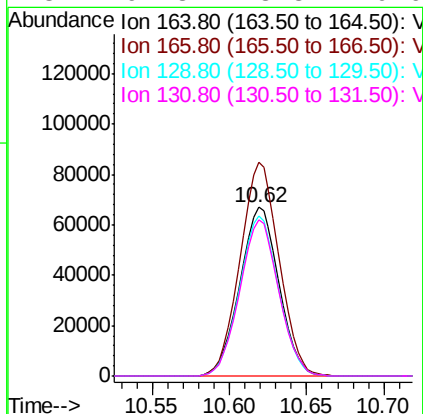
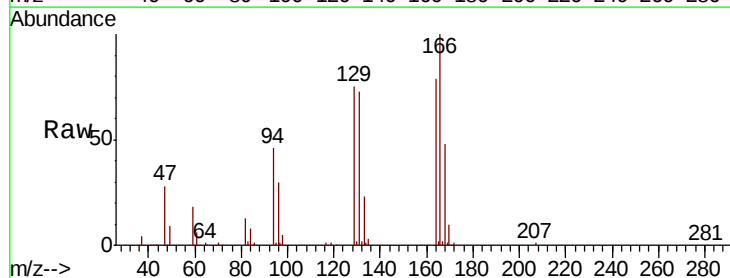
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

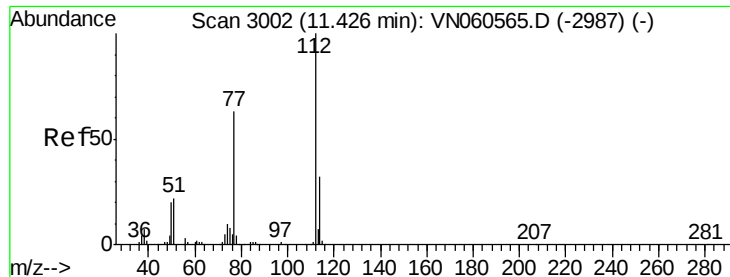
Tot Ion:117 Resp: 298916
Ion Ratio Lower Upper
117 100
82 58.2 46.7 70.1
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 50.130 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:164 Resp: 117916
Ion Ratio Lower Upper
164 100
166 126.5 102.7 154.1
129 94.6 77.2 115.8
131 92.3 73.8 110.6

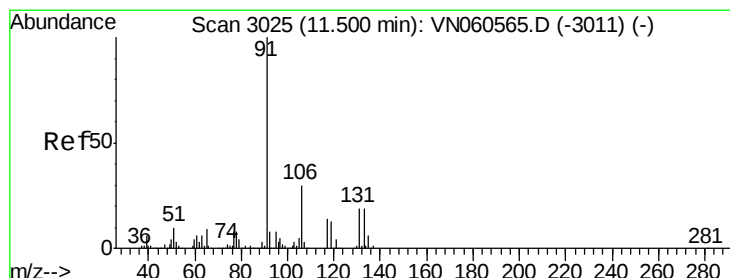
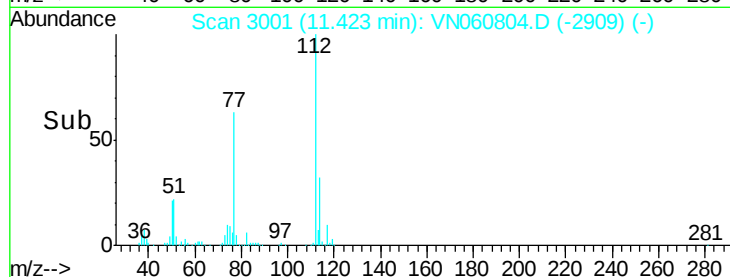
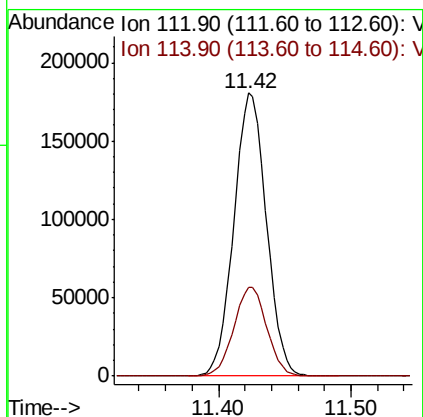
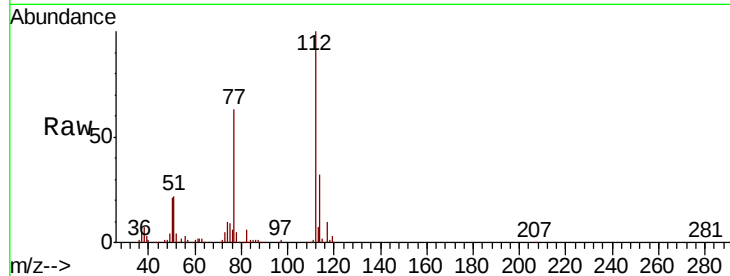




#65
Chlorobenzene
Concen: 51.874 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

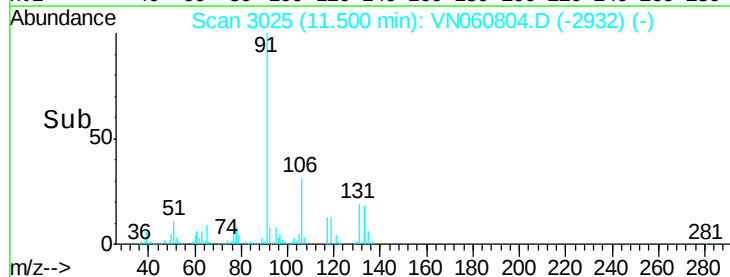
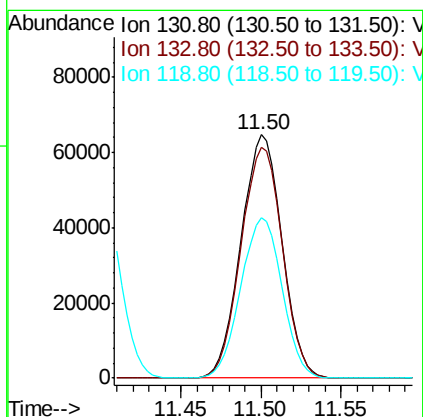
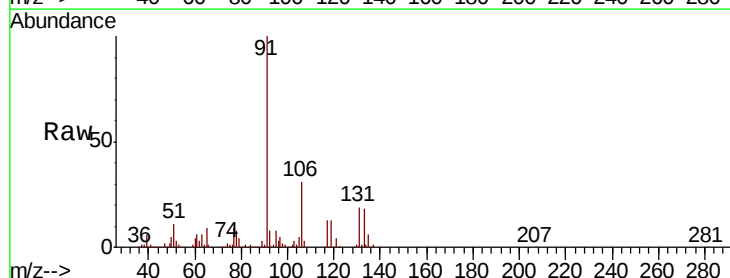
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

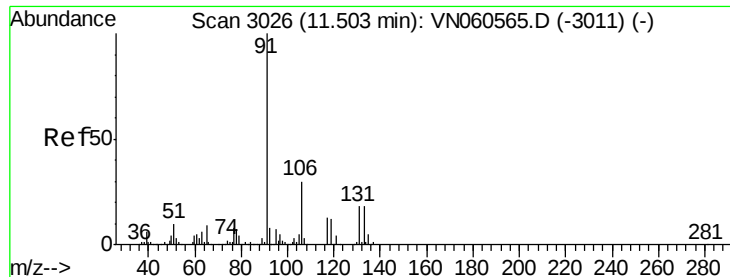
Tot Ion:112 Resp: 307392
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.935 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:131 Resp: 113571
Ion Ratio Lower Upper
131 100
133 96.0 48.9 146.8
119 66.4 33.9 101.7





#67

Ethyl Benzene

Concen: 52.682 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

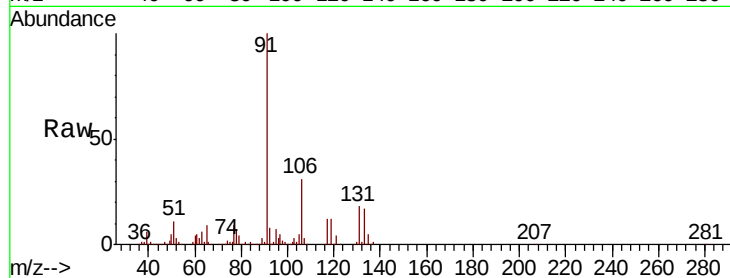
VSTDCCC050

Tot Ion: 91 Resp: 580542

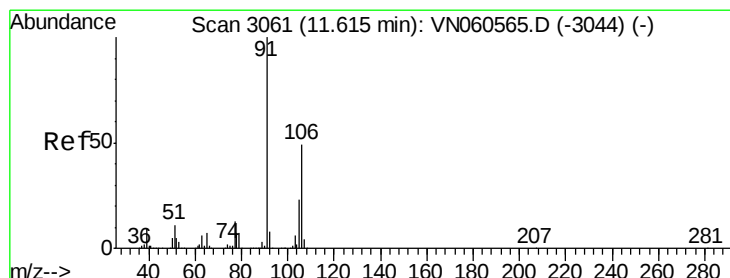
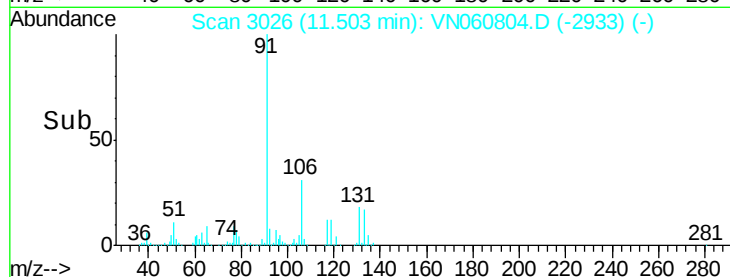
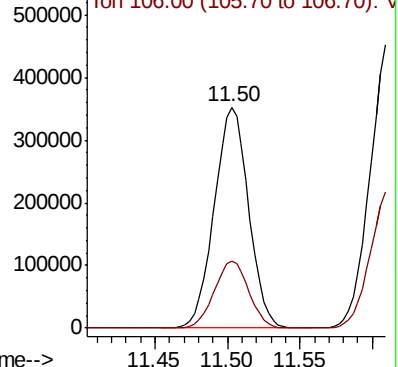
Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060804.D (-2933) (-)



#68

m/p-Xylenes

Concen: 105.107 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060804.D

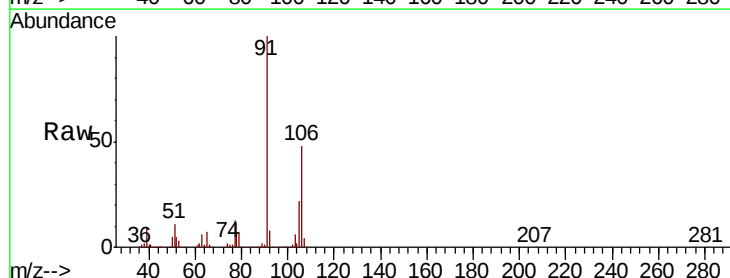
Acq: 1 Apr 2020 11:15

Tgt Ion: 106 Resp: 430413

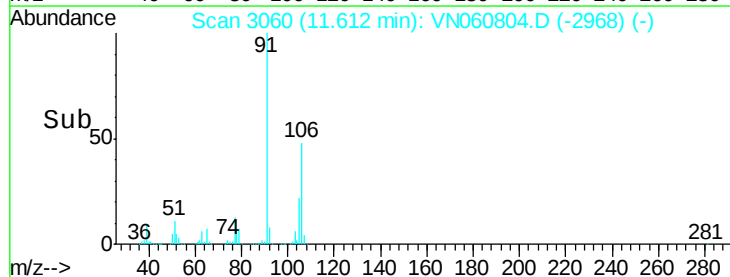
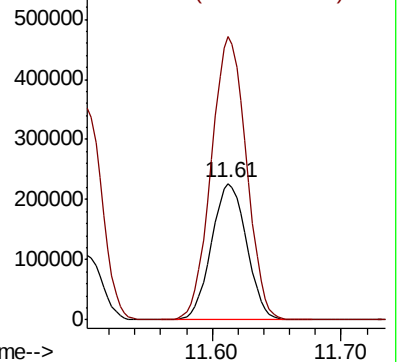
Ion Ratio Lower Upper

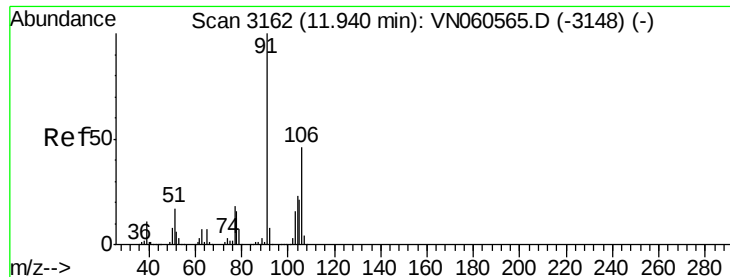
106 100

91 207.0 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060804.D (-2968) (-)

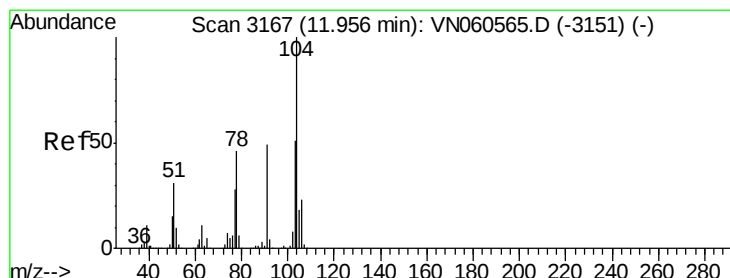
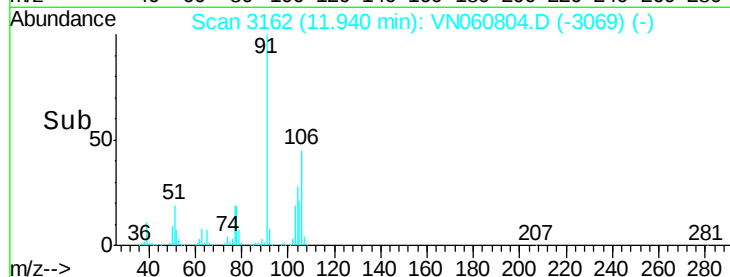
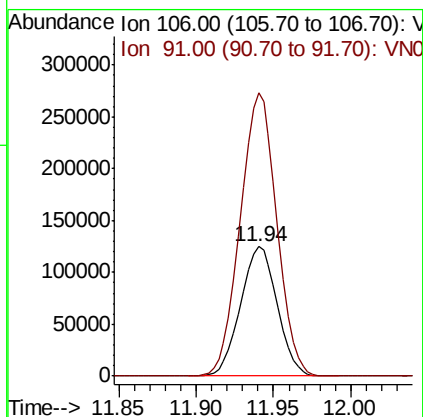
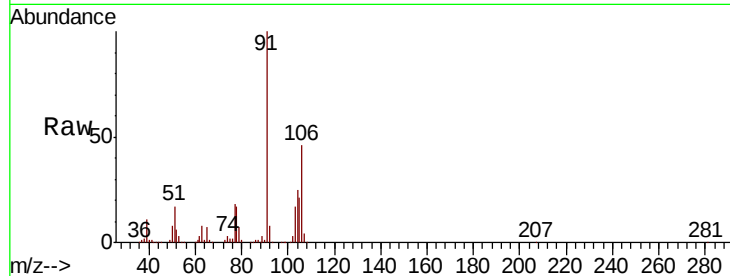




#69
o-Xylene
Concen: 52.711 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

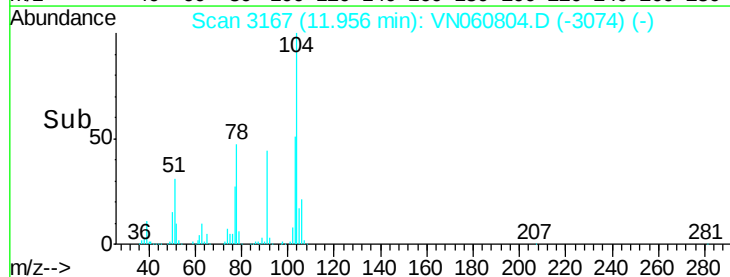
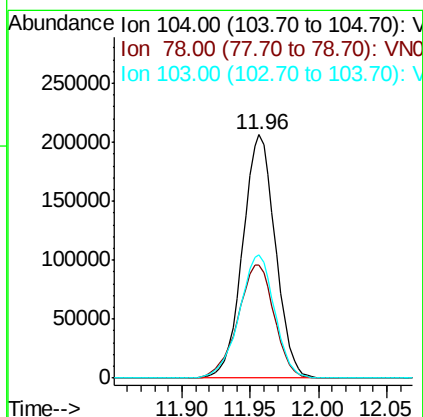
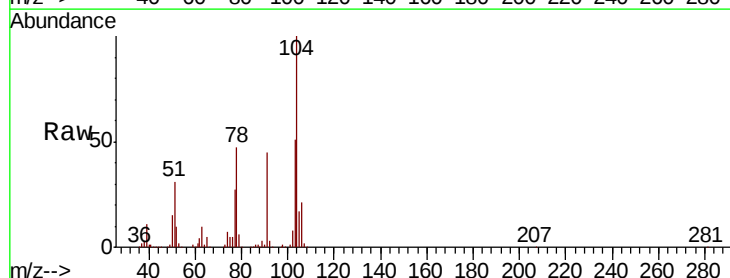
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

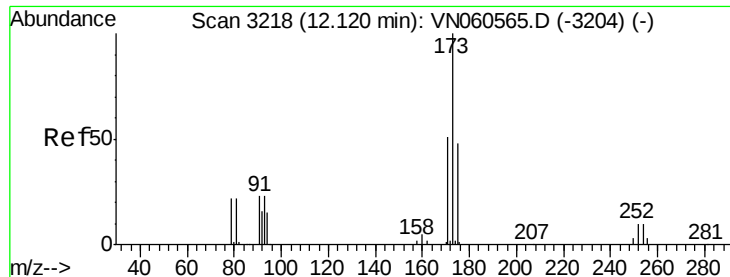
Tot Ion:106 Resp: 206057
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4



#70
Styrene
Concen: 53.577 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:104 Resp: 342538
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 54.6 44.0 66.0

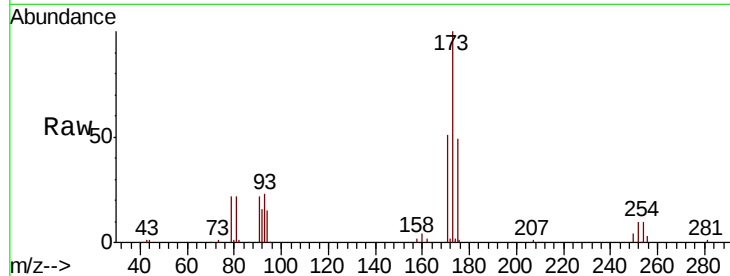




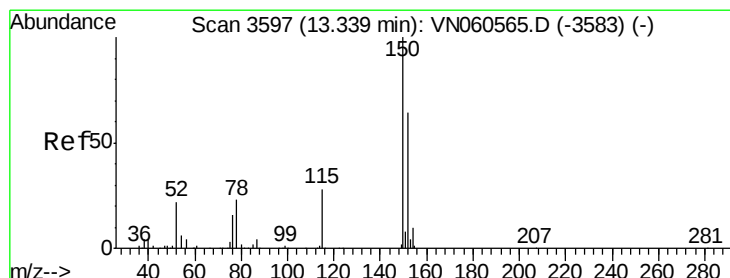
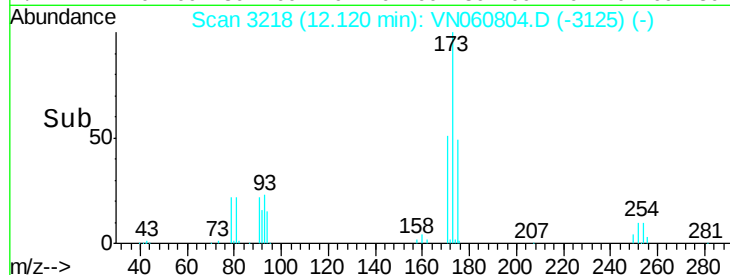
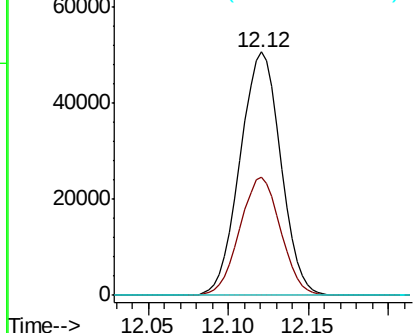
#71
Bromoform
Concen: 49.503 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 88242
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 0.0 0.0 0.0

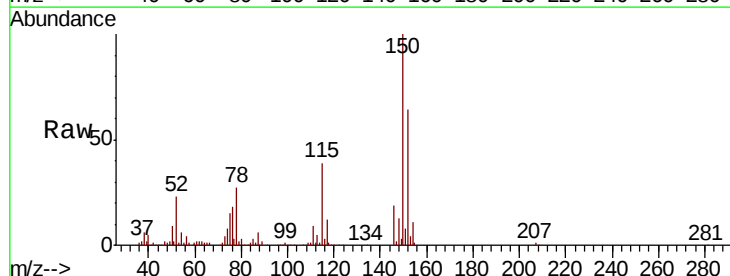


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

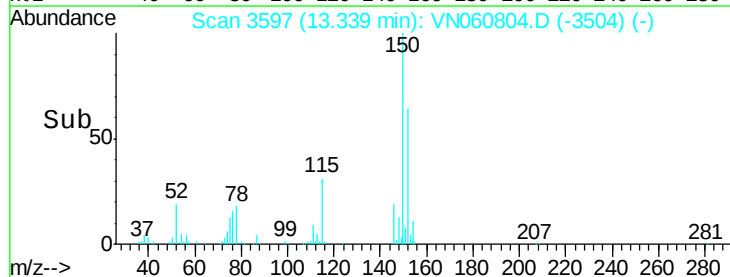
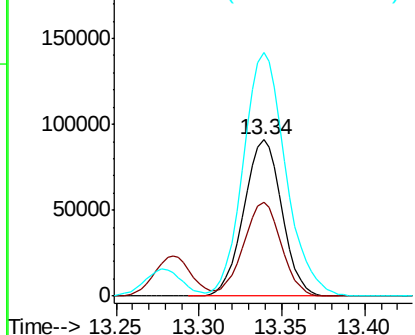


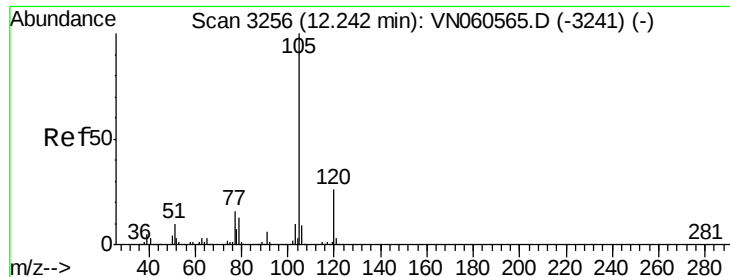
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:152 Resp: 145718
Ion Ratio Lower Upper
152 100
115 59.5 30.2 90.6
150 173.1 0.0 350.2



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





#73

Isopropylbenzene

Concen: 50.976 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

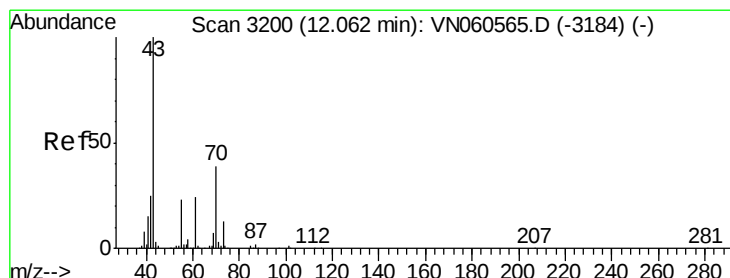
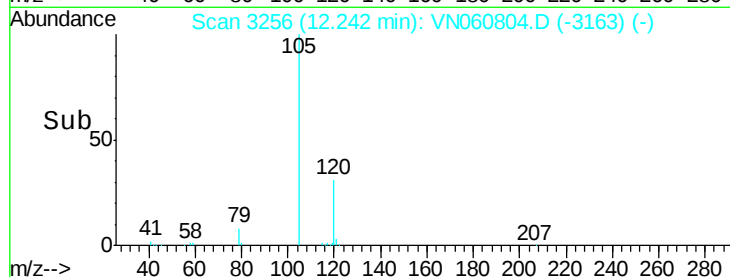
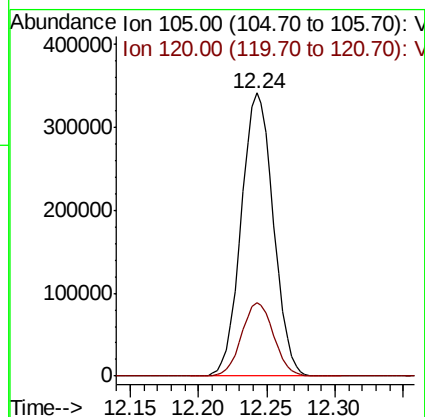
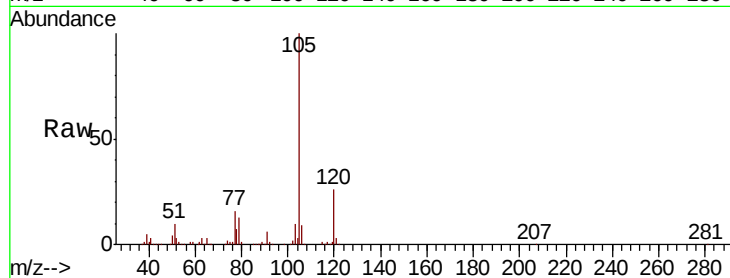
VSTDCCC050

Tot Ion:105 Resp: 557453

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 50.055 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Tgt Ion: 43 Resp: 252938

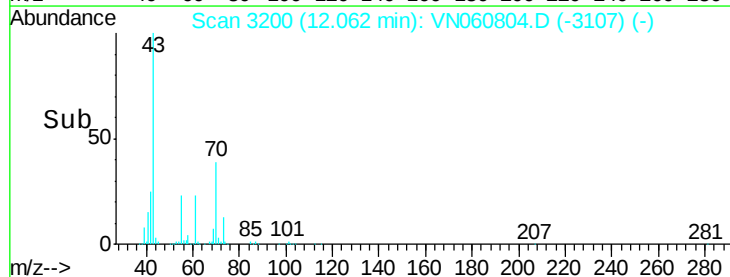
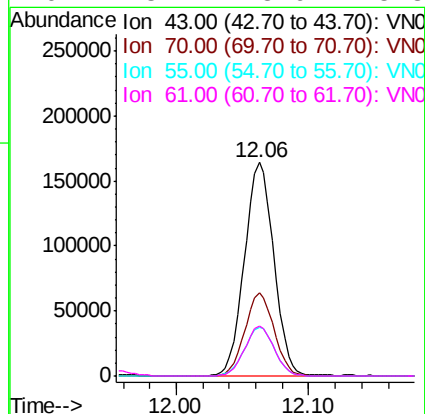
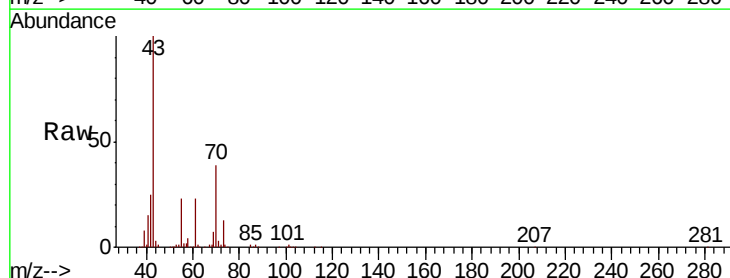
Ion Ratio Lower Upper

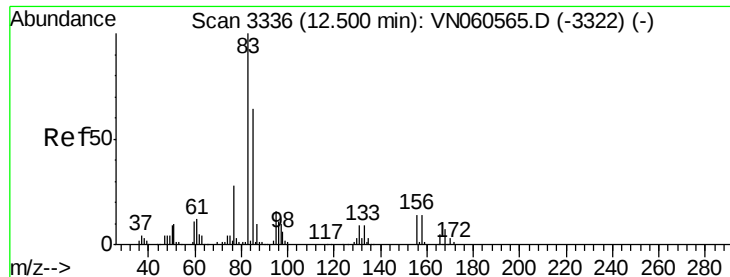
43 100

70 38.8 31.1 46.7

55 23.2 18.6 27.8

61 23.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.993 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

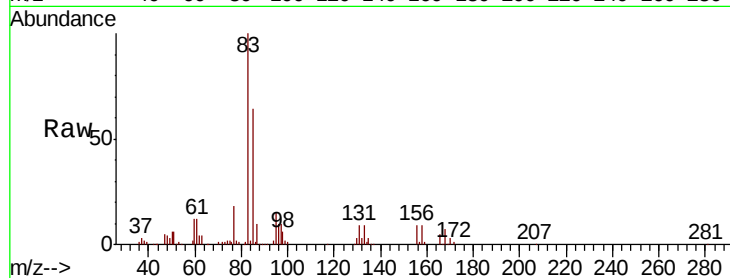
Tot Ion: 83 Resp: 165328

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

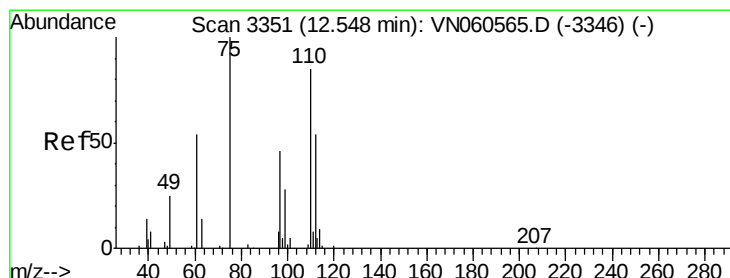
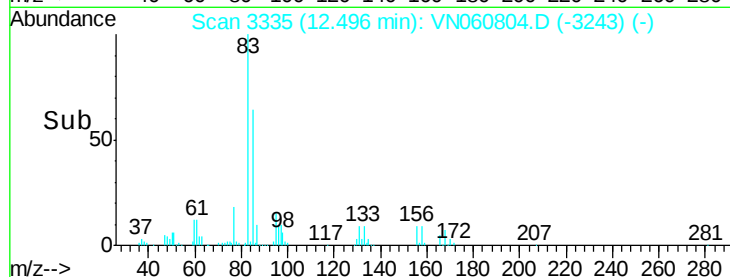
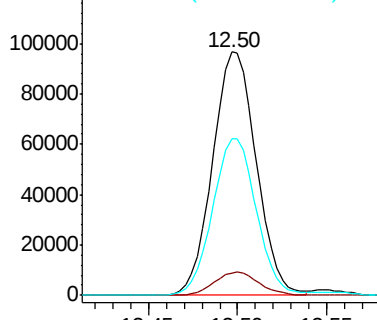
85 64.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.147 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060804.D

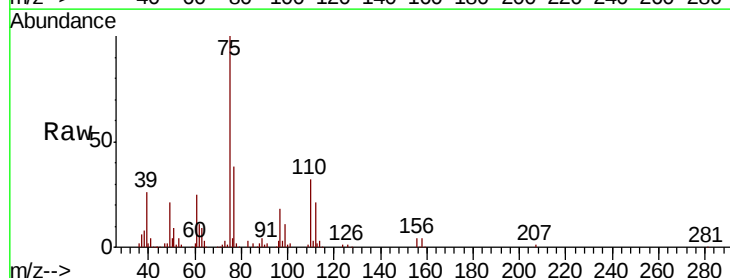
Acq: 1 Apr 2020 11:15

Tgt Ion: 75 Resp: 226850

Ion Ratio Lower Upper

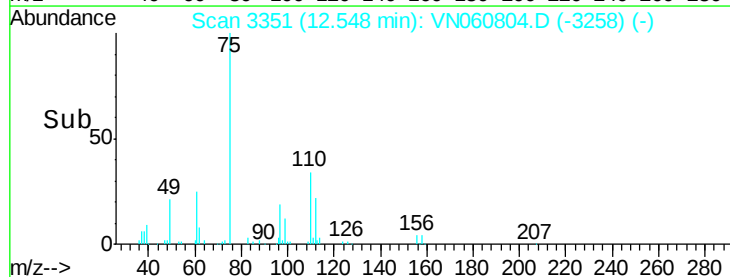
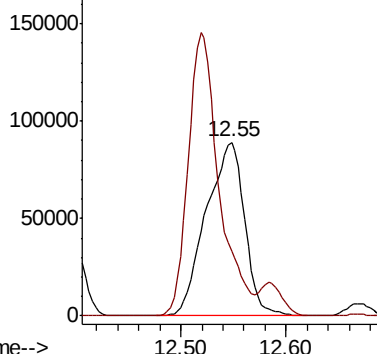
75 100

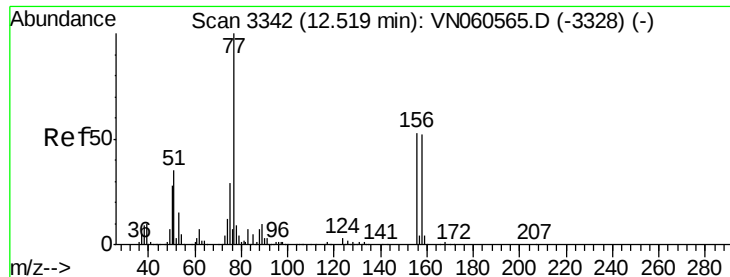
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.046 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

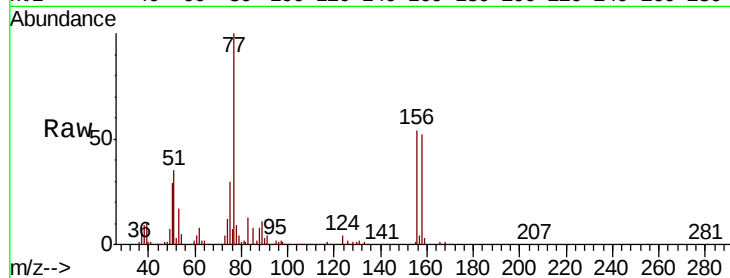
Tot Ion:156 Resp: 131875

Ion Ratio Lower Upper

156 100

77 223.4 112.3 337.0

158 97.1 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

200000

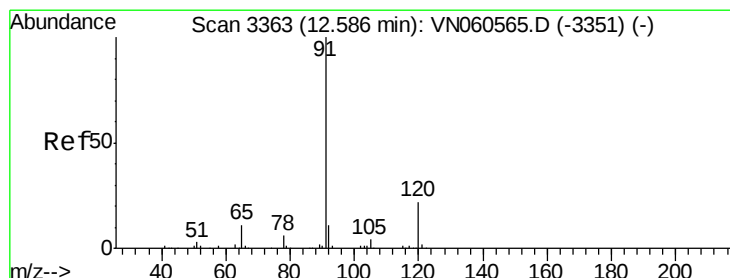
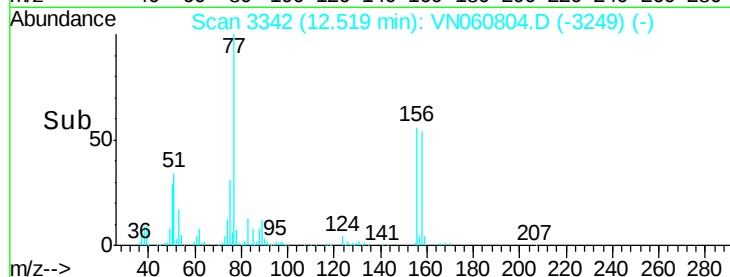
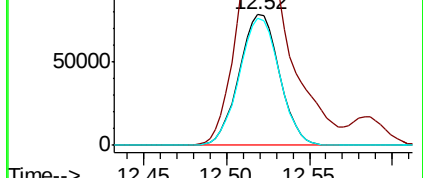
150000

100000

50000

0

12.45 12.50 12.55



#78

n-propylbenzene

Concen: 51.698 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060804.D

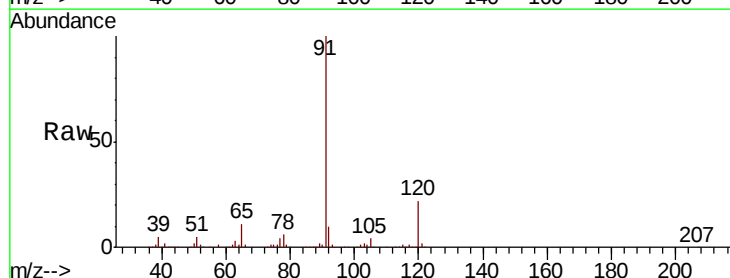
Acq: 1 Apr 2020 11:15

Tgt Ion: 91 Resp: 667915

Ion Ratio Lower Upper

91 100

120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

500000

400000

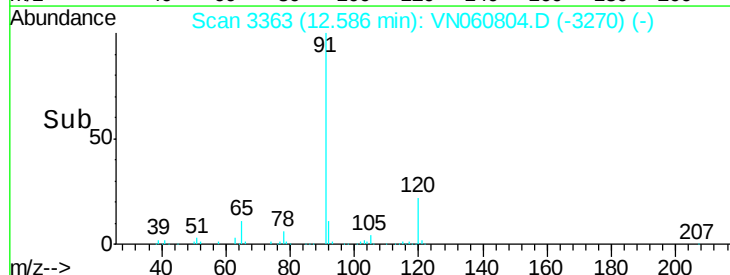
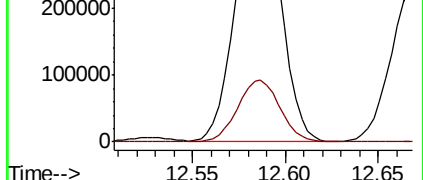
300000

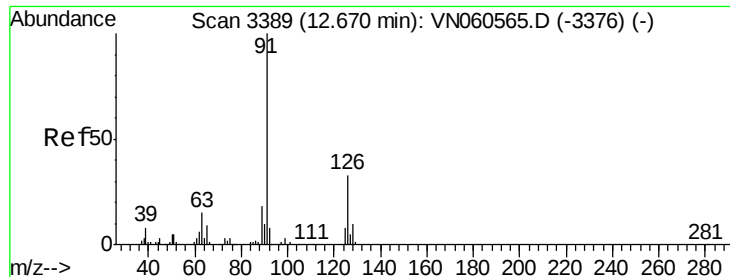
200000

100000

0

12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 49.966 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

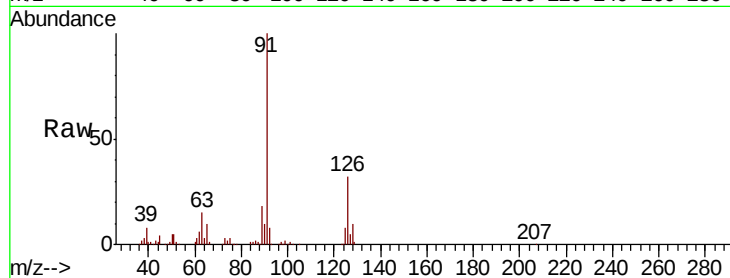
VSTDCCC050

Tot Ion: 91 Resp: 385714

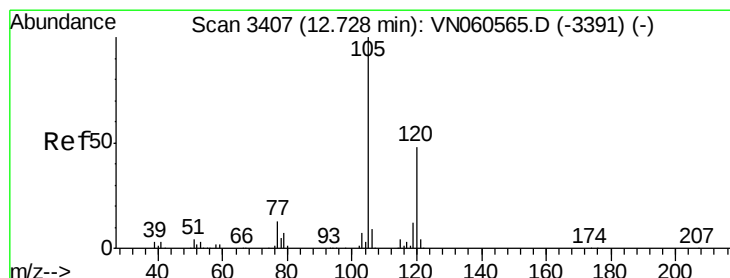
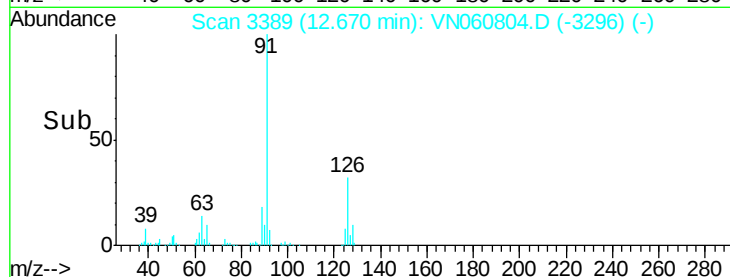
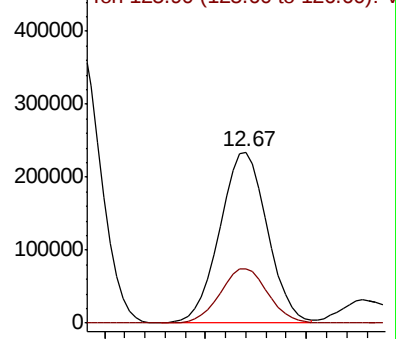
Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060804.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.157 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060804.D

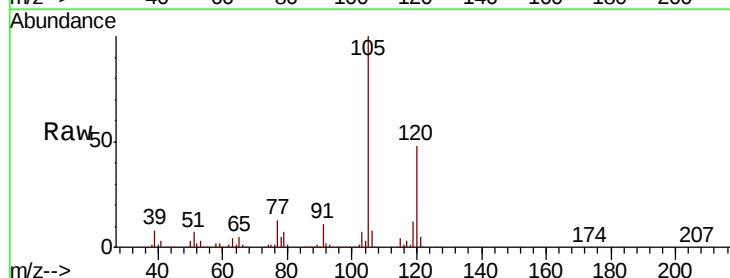
Acq: 1 Apr 2020 11:15

Tgt Ion: 105 Resp: 474747

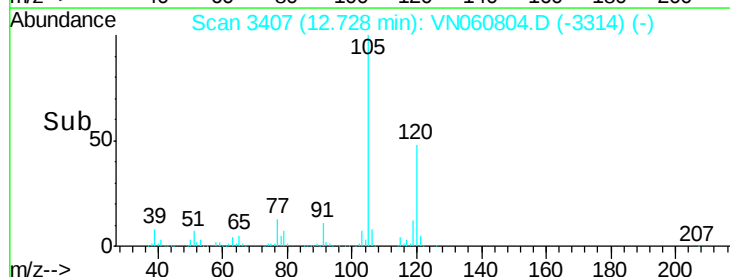
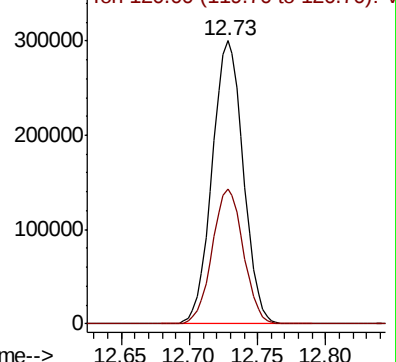
Ion Ratio Lower Upper

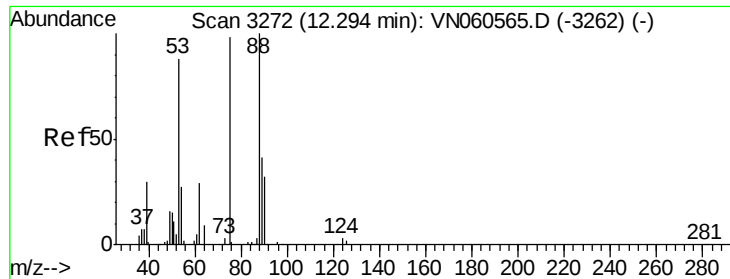
105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060804.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.565 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

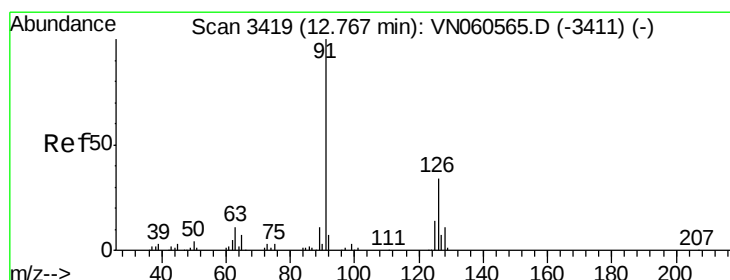
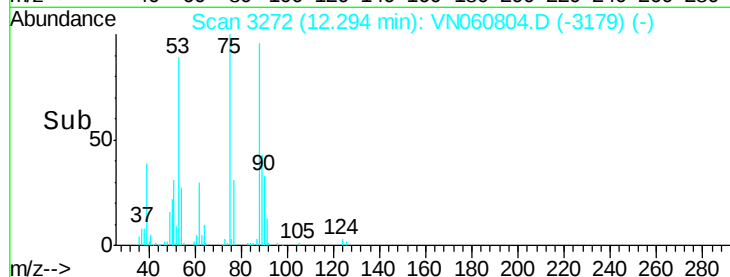
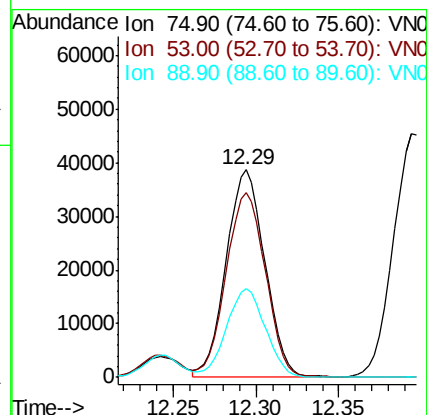
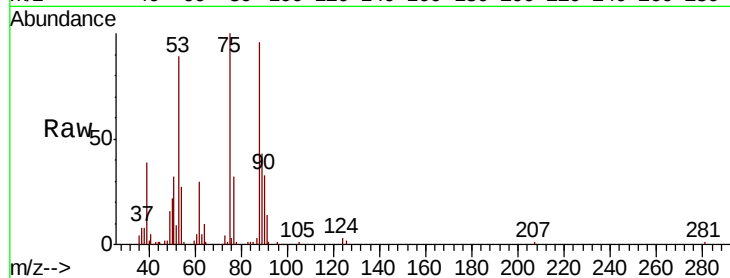
Tot Ion: 75 Resp: 63130

Ion	Ratio	Lower	Upper
75	100		
53	90.6	73.0	109.4
89	42.8	34.8	52.2

75 100

53 90.6 73.0 109.4

89 42.8 34.8 52.2



#82

4-Chlorotoluene

Concen: 51.711 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060804.D

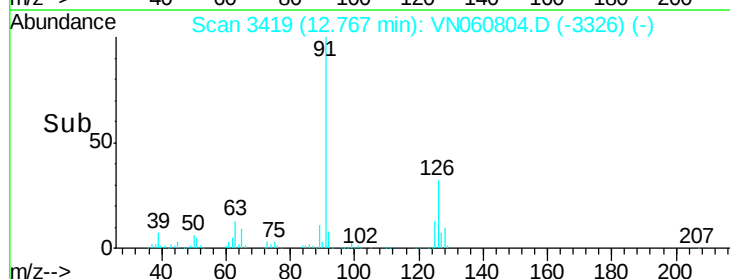
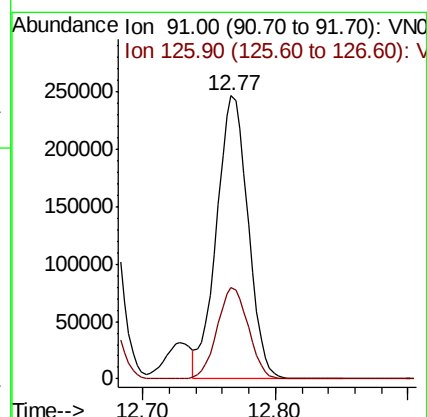
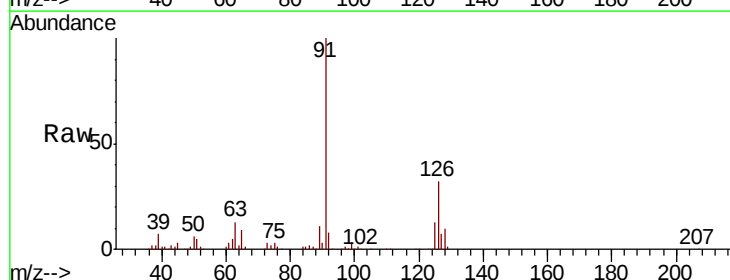
Acq: 1 Apr 2020 11:15

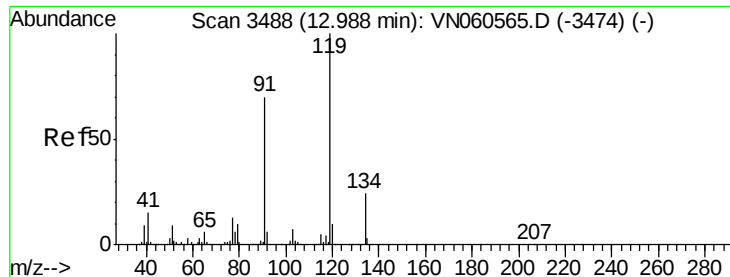
Tgt Ion: 91 Resp: 406564

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5

91 100

126 31.9 16.2 48.5





#83

tert-Butylbenzene

Concen: 51.316 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

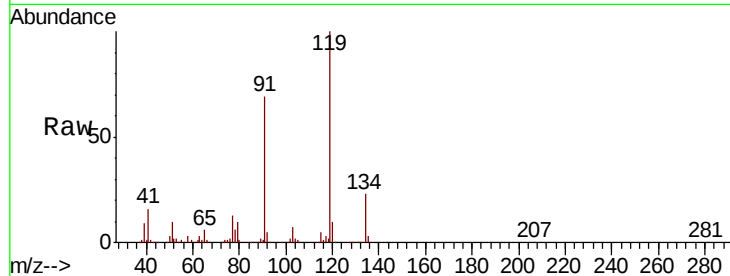
Tot Ion:119 Resp: 394777

Ion Ratio Lower Upper

119 100

91 68.1 34.0 101.8

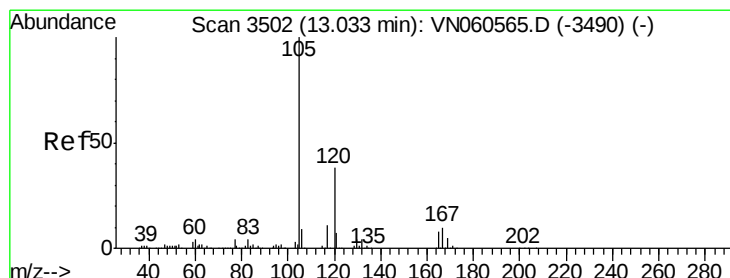
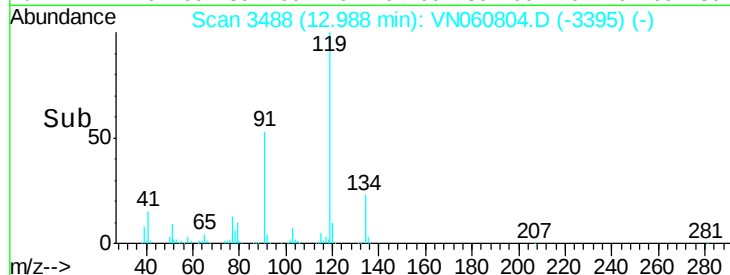
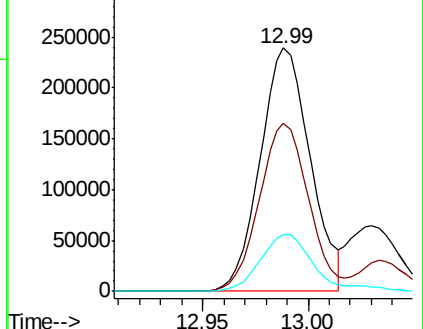
134 25.0 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.413 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060804.D

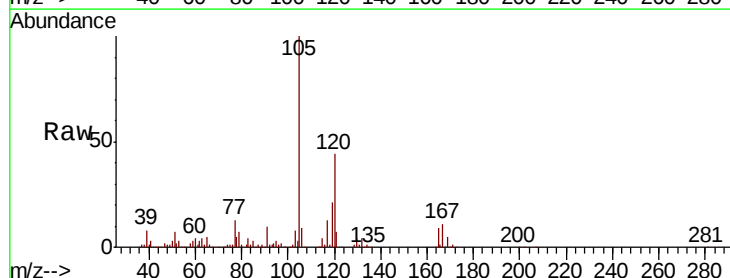
Acq: 1 Apr 2020 11:15

Tgt Ion:105 Resp: 472021

Ion Ratio Lower Upper

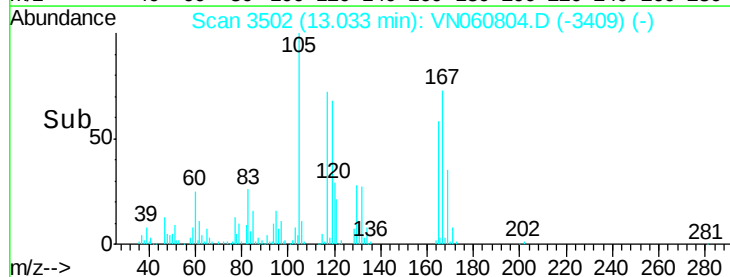
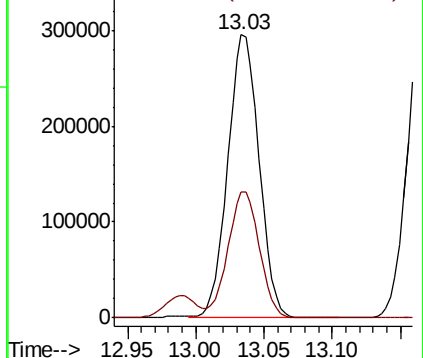
105 100

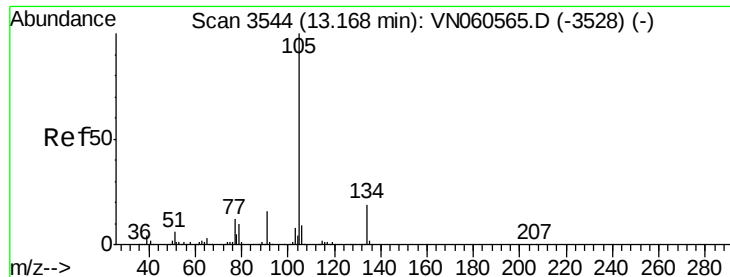
120 44.5 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

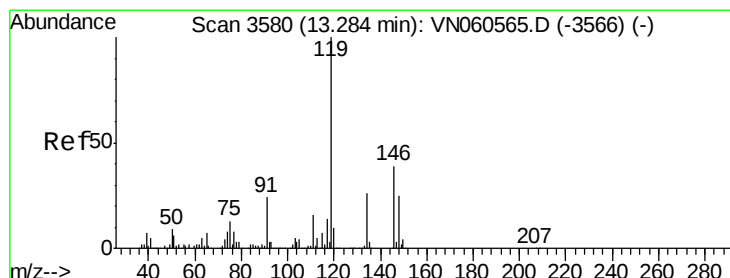
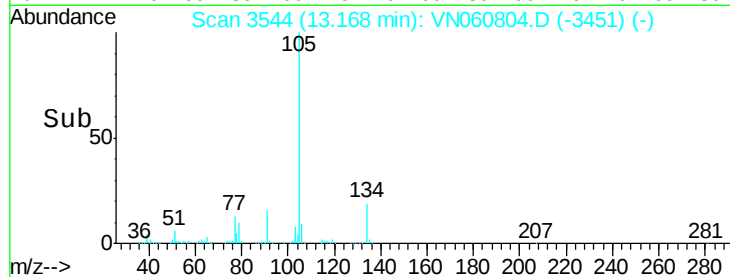
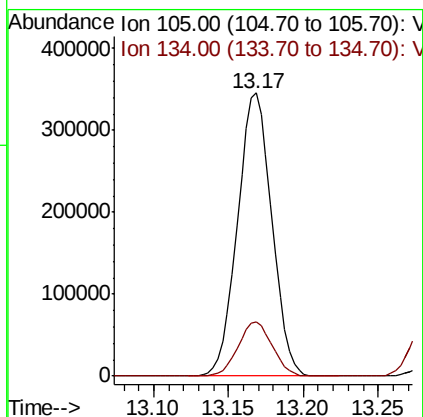
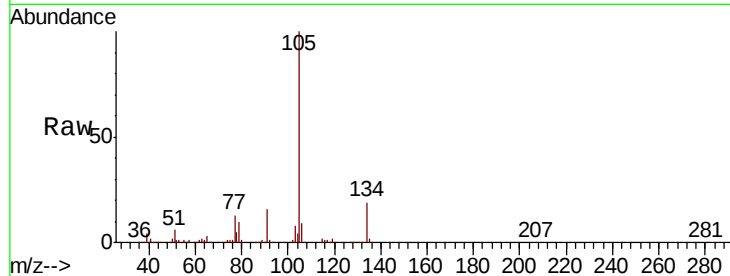




#85
 sec-Butylbenzene
 Concen: 53.267 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

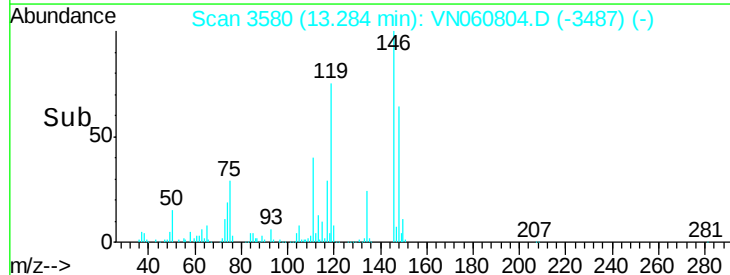
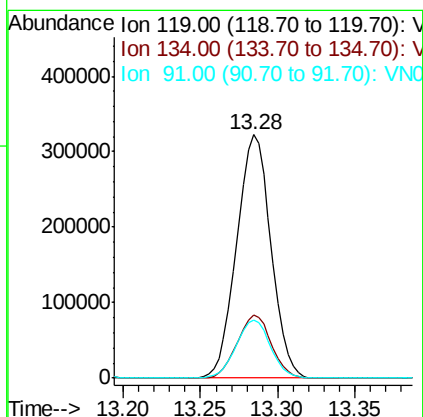
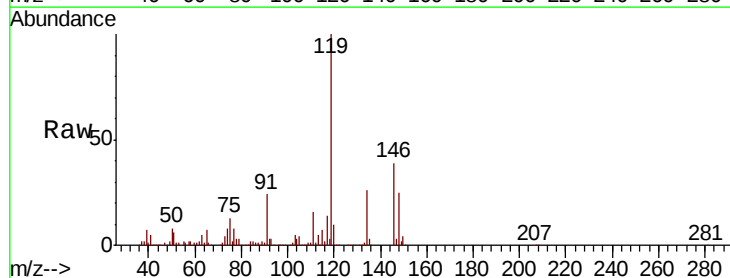
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

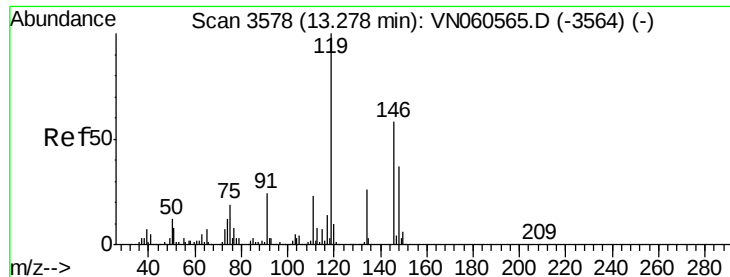
Tot Ion:105 Resp: 551040
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 53.220 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion:119 Resp: 495075
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 24.1 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 52.181 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

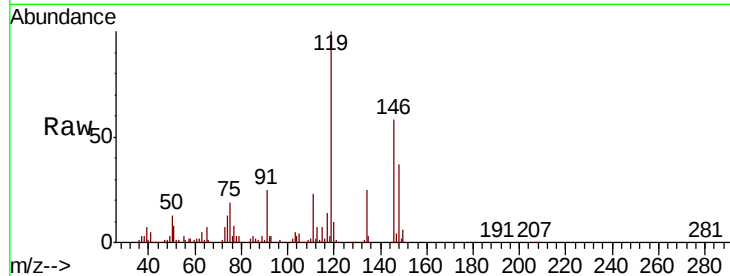
Tot Ion:146 Resp: 242513

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.8

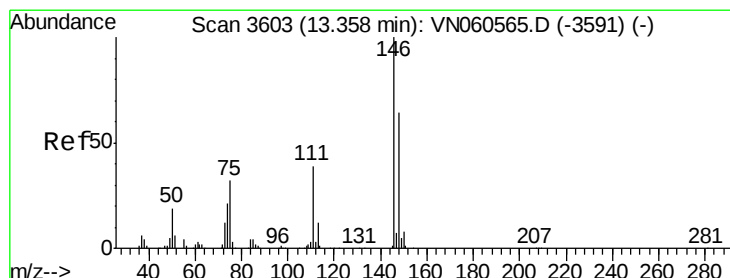
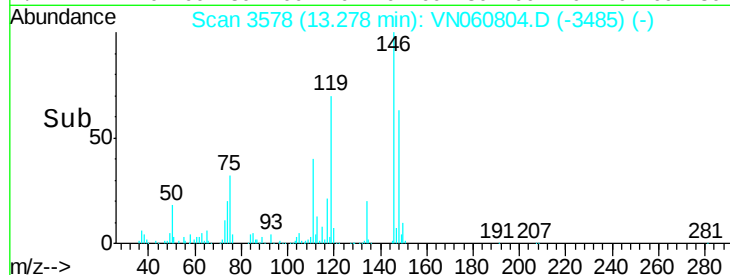
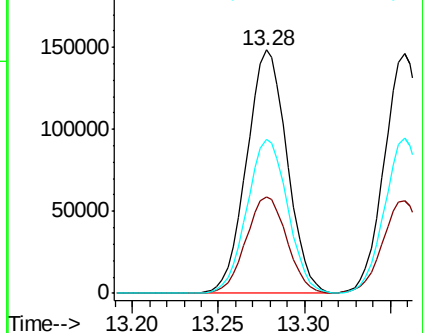
148 63.8 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.671 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060804.D

Acq: 1 Apr 2020 11:15

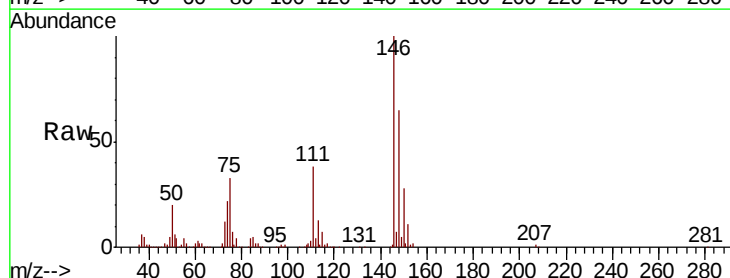
Tgt Ion:146 Resp: 241267

Ion Ratio Lower Upper

146 100

111 39.7 19.6 58.7

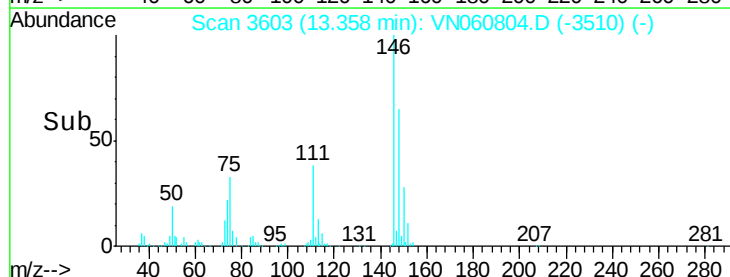
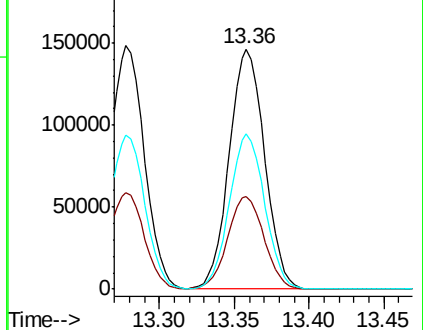
148 64.5 32.1 96.3

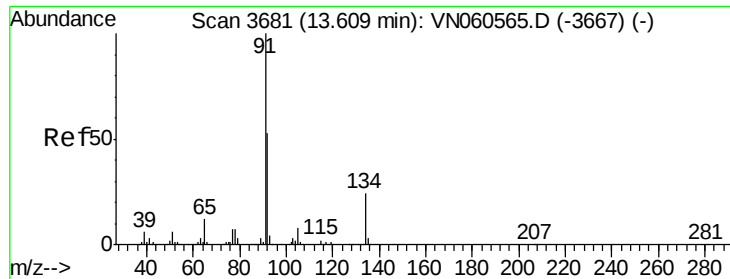


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

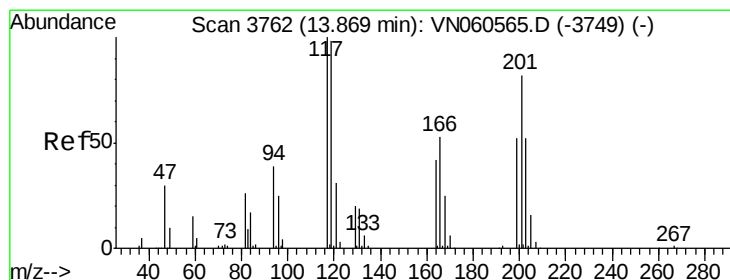
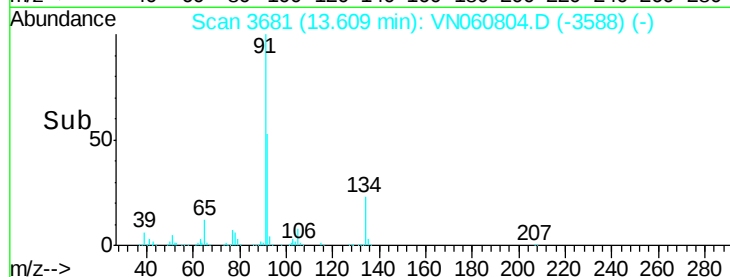
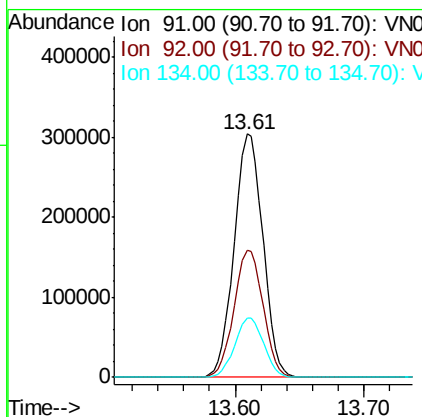
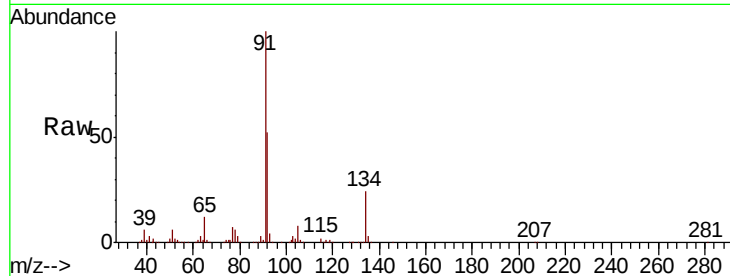




#89
n-Butylbenzene
Concen: 56.239 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

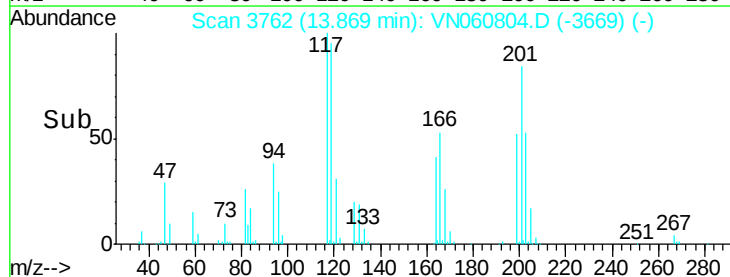
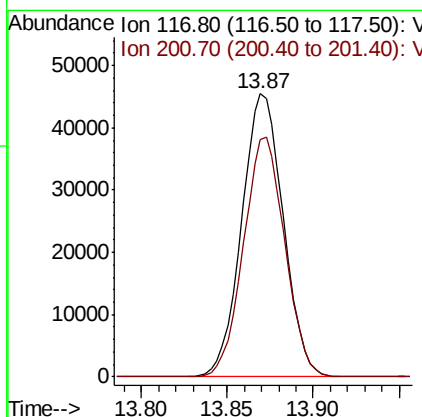
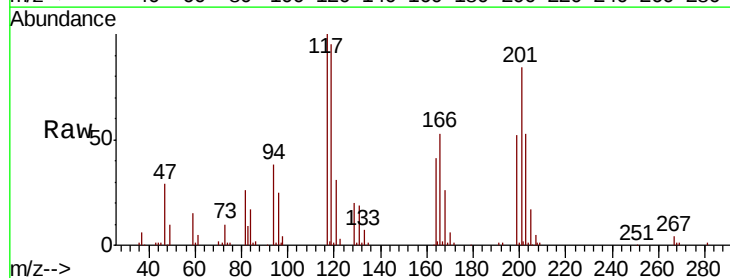
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

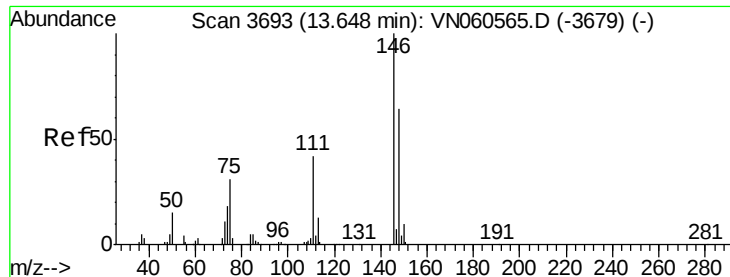
Tot Ion: 91 Resp: 472329
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 24.6 12.3 36.9



#90
Hexachloroethane
Concen: 56.452 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion: 117 Resp: 76333
Ion Ratio Lower Upper
117 100
201 84.0 40.8 122.5

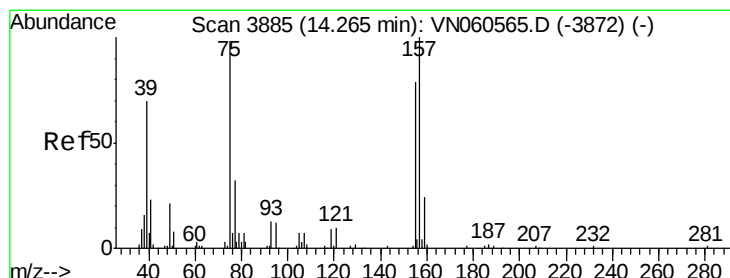
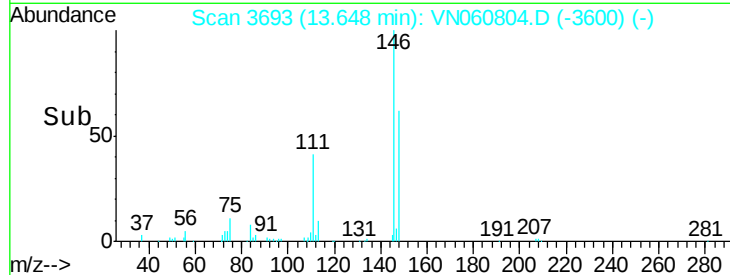
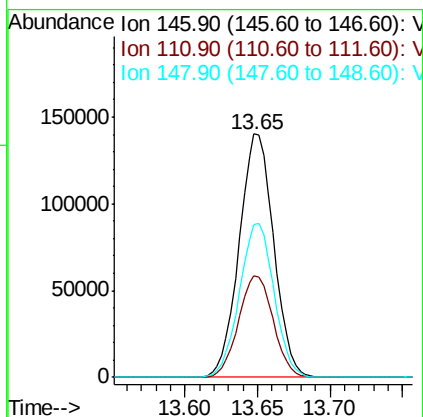
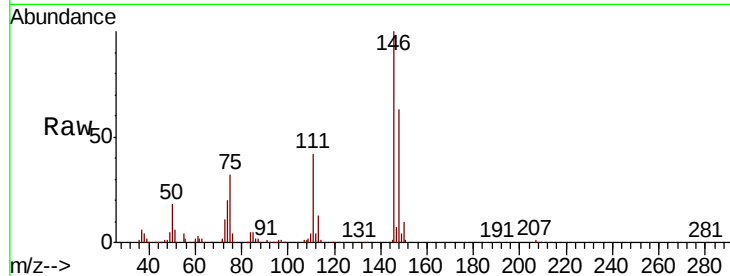




#91
 1,2-Dichlorobenzene
 Concen: 52.411 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

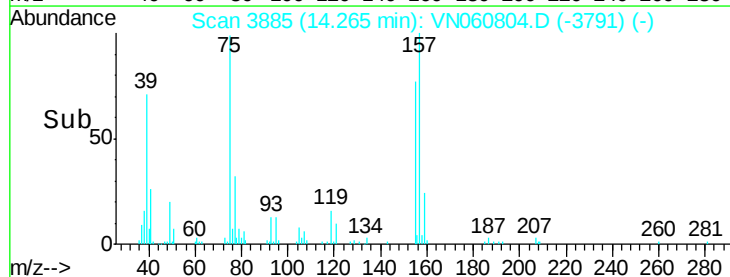
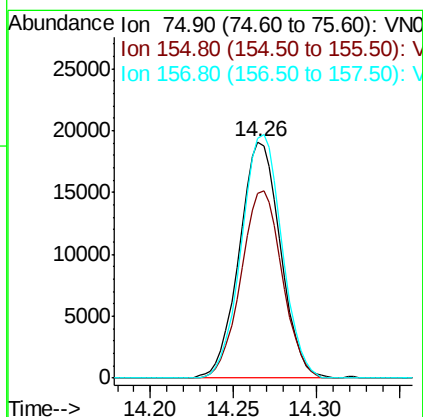
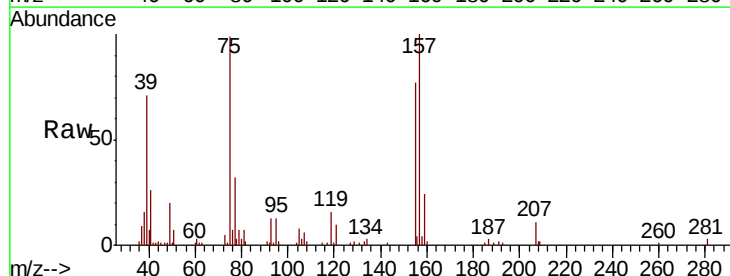
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

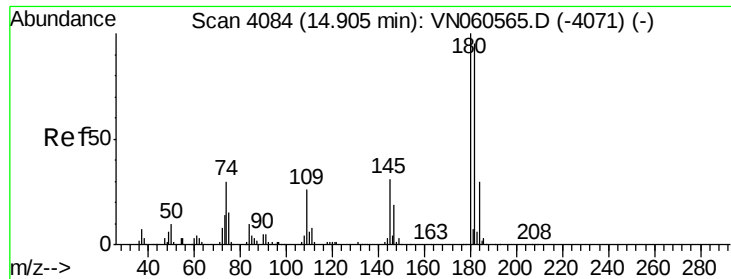
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	63.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.386 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	40.7	122.1
157	101.6	51.5	154.7

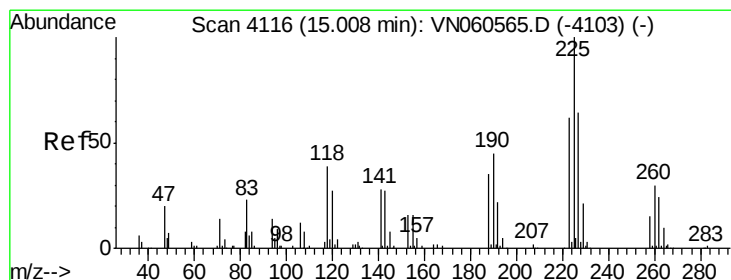
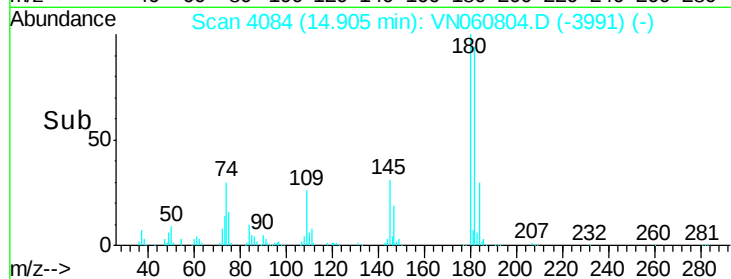
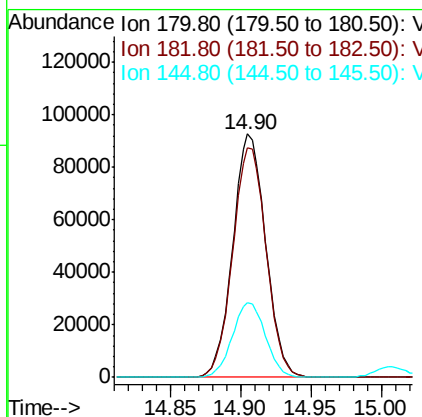
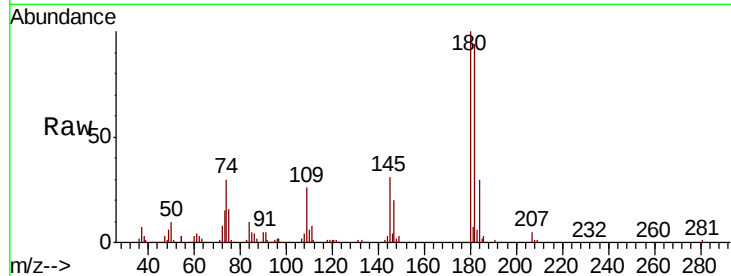




#93
 1,2,4-Trichlorobenzene
 Concen: 55.449 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

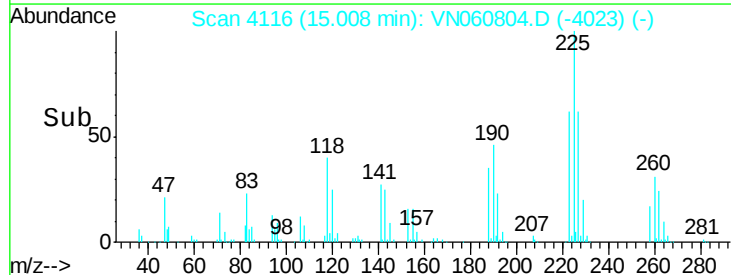
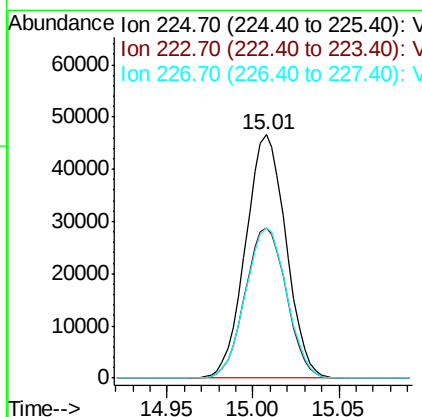
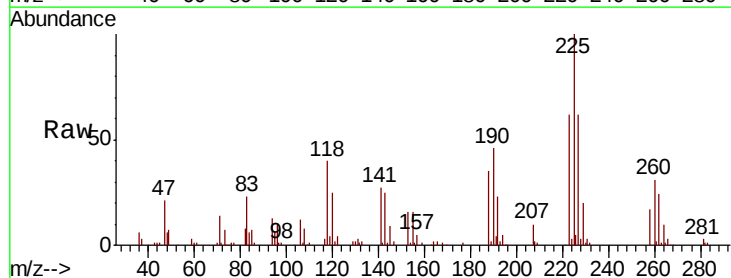
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

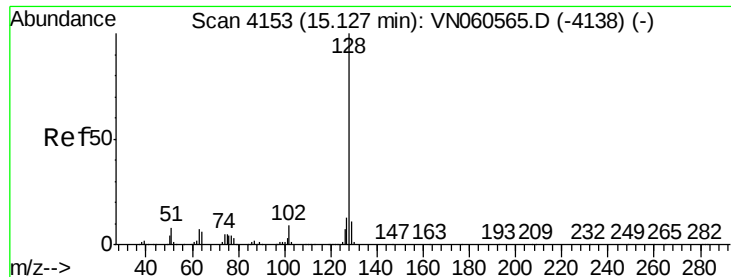
Tot Ion:180 Resp: 151321
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 31.0 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 56.894 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060804.D
 Acq: 1 Apr 2020 11:15

Tgt Ion:225 Resp: 76113
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 95.0
 227 63.2 32.3 96.8

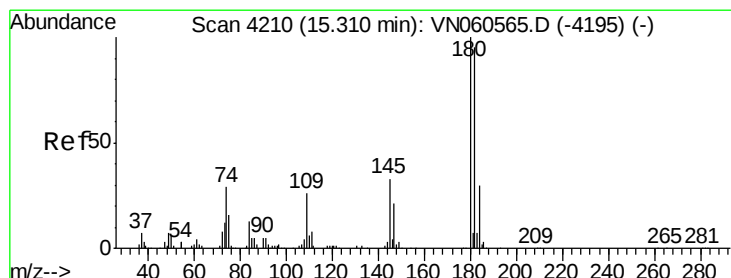
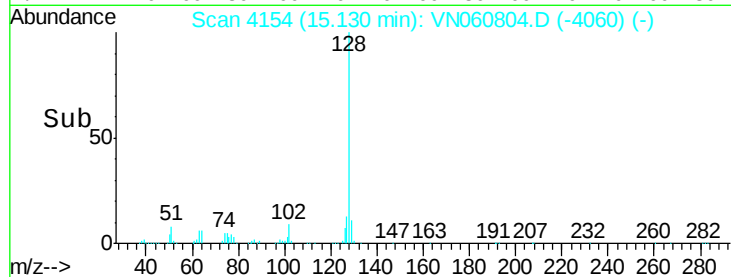
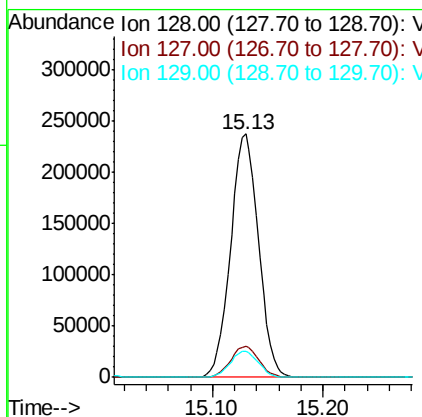
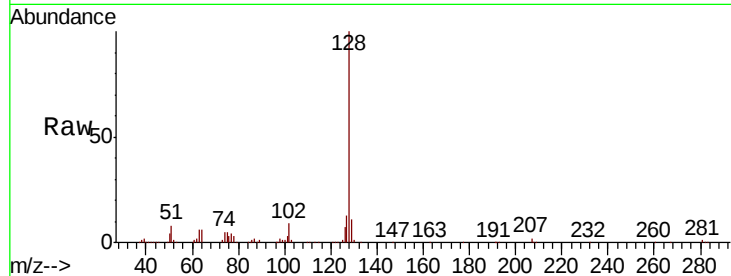




#95
Naphthalene
Concen: 50.524 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 414709
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.403 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060804.D
Acq: 1 Apr 2020 11:15

Tgt Ion:180 Resp: 140858
Ion Ratio Lower Upper
180 100
182 96.3 47.5 142.6
145 32.1 16.3 48.8

