

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061518.D
 Acq On : 20 May 2020 22:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 21 01:17:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	308146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	563749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	541645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	272560	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	201663	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	
35) Dibromofluoromethane	7.55	113	144291	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.06	98	653227	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	12.37	95	253389	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	117742	45.953	ug/l	99
3) Chloromethane	2.03	50	160903	38.502	ug/l	98
4) Vinyl Chloride	2.16	62	242407	40.530	ug/l	99
5) Bromomethane	2.53	94	139359	45.736	ug/l	99
6) Chloroethane	2.67	64	159346	39.583	ug/l	97
7) Trichlorofluoromethane	2.98	101	324138	44.639	ug/l	99
8) Diethyl Ether	3.37	74	94014	44.450	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	139408	46.168	ug/l	98
10) Methyl Iodide	3.91	142	167426	45.650	ug/l	100
11) Tert butyl alcohol	4.73	59	134051	252.973	ug/l	100
12) 1,1-Dichloroethene	3.69	96	141423	44.774	ug/l	89
13) Acrolein	3.56	56	95808	253.695	ug/l	96
14) Allyl chloride	4.27	41	205268	39.933	ug/l	97
15) Acrylonitrile	4.93	53	348871	222.221	ug/l	99
16) Acetone	3.77	43	261086	220.562	ug/l	99
17) Carbon Disulfide	4.01	76	288998	42.139	ug/l	99
18) Methyl Acetate	4.27	43	143491	45.398	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	526836	43.953	ug/l	97
20) Methylene Chloride	4.50	84	166384	44.021	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	163136	44.791	ug/l	94
22) Diisopropyl ether	5.90	45	467488	40.471	ug/l	96
23) Vinyl Acetate	5.84	43	1912669	208.226	ug/l	96
24) 1,1-Dichloroethane	5.80	63	287446	42.664	ug/l	98
25) 2-Butanone	6.78	43	441447	210.822	ug/l	94
26) 2,2-Dichloropropane	6.77	77	253685	39.498	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	201424	46.818	ug/l	91
28) Bromochloromethane	7.15	49	126268	44.153	ug/l	85
29) Tetrahydrofuran	7.17	42	289741	208.934	ug/l	93
30) Chloroform	7.33	83	322941	45.892	ug/l	97
31) Cyclohexane	7.61	56	242697	40.353	ug/l	91
32) 1,1,1-Trichloroethane	7.53	97	299263	46.539	ug/l	96
36) 1,1-Dichloropropene	7.75	75	231537	43.924	ug/l	96
37) Ethyl Acetate	6.88	43	194922	40.774	ug/l	99
38) Carbon Tetrachloride	7.73	117	236355	48.694	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	263227	40.884	ug/l	95
40) Benzene	8.00	78	720813	45.375	ug/l	98
41) Methacrylonitrile	7.12	41	82356	40.788	ug/l	91
42) 1,2-Dichloroethane	8.08	62	245237	42.849	ug/l	98
43) Isopropyl Acetate	8.12	43	345459	41.433	ug/l	98
44) Trichloroethene	8.80	130	204803	49.203	ug/l	94
45) 1,2-Dichloropropane	9.08	63	172768	43.451	ug/l	99
46) Dibromomethane	9.17	93	129627	46.504	ug/l	95
47) Bromodichloromethane	9.37	83	266021	45.296	ug/l	100
48) Methyl methacrylate	9.17	41	154939	40.226	ug/l	95
49) 1,4-Dioxane	9.16	88	59718	1492.652	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	994390	218.930	ug/l	97
52) Toluene	10.13	92	480905	47.154	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	289245	44.935	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	300495	43.915	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	188162	48.800	ug/l	99
56) Ethyl methacrylate	10.40	69	279663	46.393	ug/l	94
57) 1,3-Dichloropropane	10.68	76	306493	45.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	605382	228.794	ug/l	94
59) 2-Hexanone	10.72	43	716084	217.912	ug/l	96
60) Dibromochloromethane	10.87	129	213813	50.131	ug/l	100
61) 1,2-Dibromoethane	10.98	107	200873	49.548	ug/l	100
64) Tetrachloroethene	10.60	164	197437	47.116	ug/l	97
65) Chlorobenzene	11.41	112	523662	47.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	193744	48.928	ug/l	98
67) Ethyl Benzene	11.48	91	934570	46.353	ug/l	99
68) m/p-Xylenes	11.60	106	729474	95.319	ug/l	96
69) o-Xylene	11.92	106	351859	47.510	ug/l	95
70) Styrene	11.94	104	598504	48.802	ug/l	98
71) Bromoform	12.10	173	144454	47.037	ug/l #	99
73) Isopropylbenzene	12.22	105	925186	42.283	ug/l	98
74) N-amyl acetate	12.04	43	313902	39.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	255906	42.509	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	337778	57.755	ug/l #	100
77) Bromobenzene	12.50	156	223820	47.133	ug/l	88
78) n-propylbenzene	12.57	91	1037802	41.627	ug/l	97
79) 2-Chlorotoluene	12.65	91	616088	41.807	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	772357	43.110	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	88501	40.143	ug/l	96
82) 4-Chlorotoluene	12.75	91	652014	42.731	ug/l	97
83) tert-Butylbenzene	12.97	119	655715	42.728	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	788605	43.982	ug/l	98
85) sec-Butylbenzene	13.15	105	851766	41.046	ug/l	98
86) p-Isopropyltoluene	13.26	119	783007	42.492	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	410345	47.217	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	411022	47.225	ug/l	98
89) n-Butylbenzene	13.59	91	662134	39.552	ug/l	99
90) Hexachloroethane	13.85	117	105855	42.387	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	392504	47.083	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50892	41.850	ug/l	87

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QLast Update : Mon May 18 13:09:55 2020
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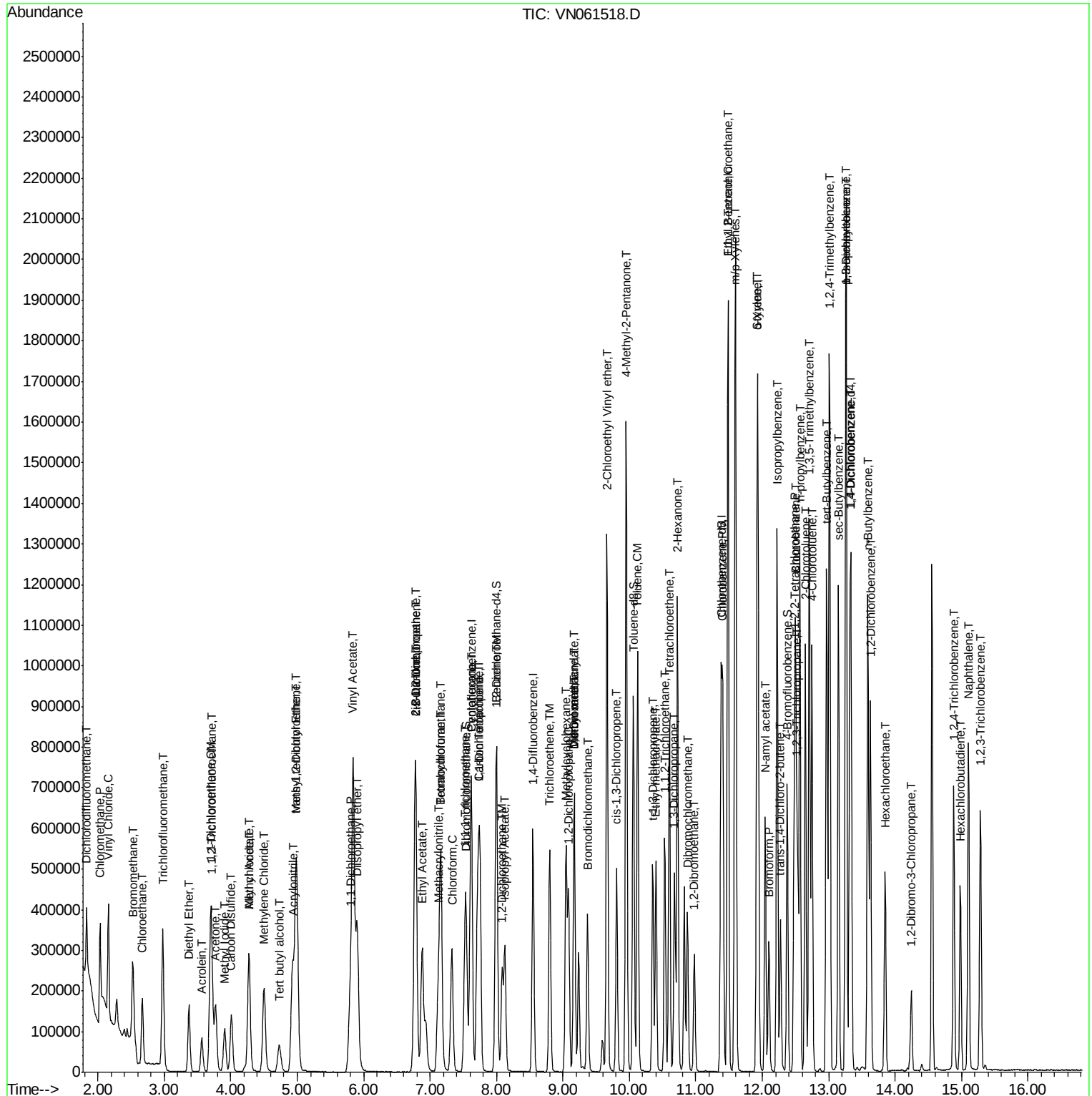
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216029	47.792	ug/l	99
94) Hexachlorobutadiene	14.98	225	78789	39.229	ug/l	99
95) Naphthalene	15.10	128	707488	49.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	209943	46.655	ug/l	99

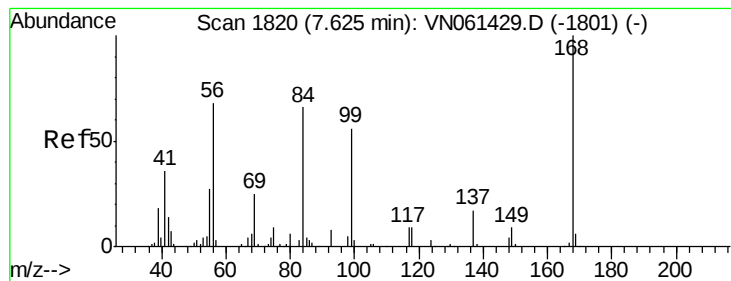
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

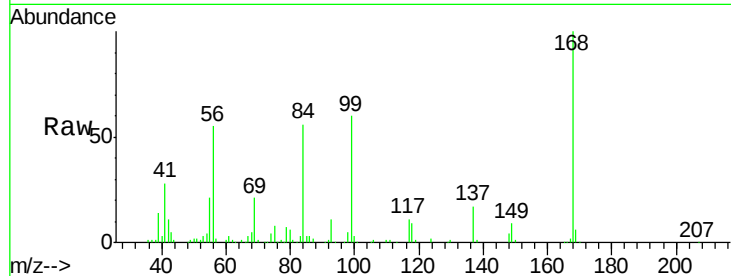
VSTDCCC050EC

Tot Ion:168 Resp: 308146

Ion Ratio Lower Upper

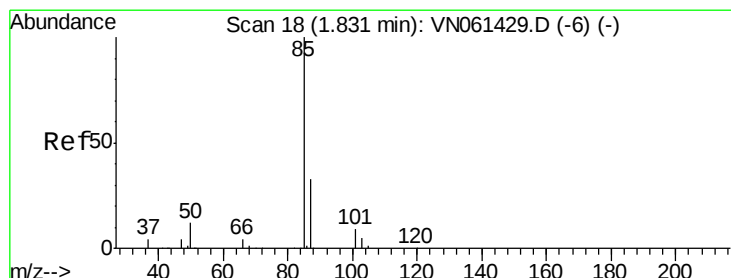
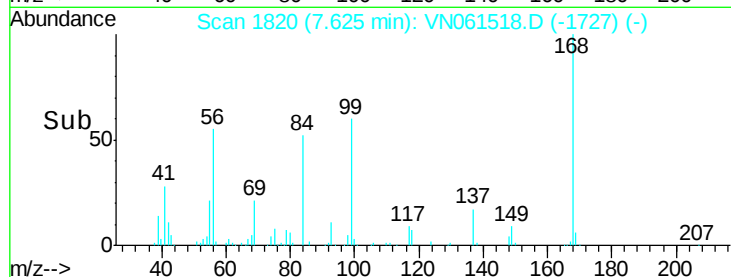
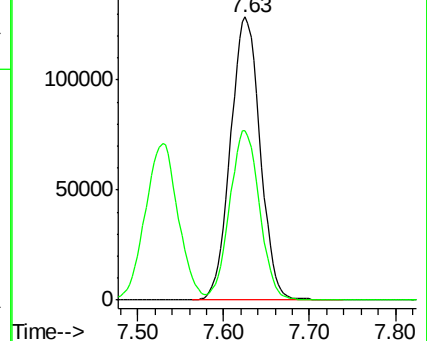
168 100

99 59.8 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.953 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061518.D

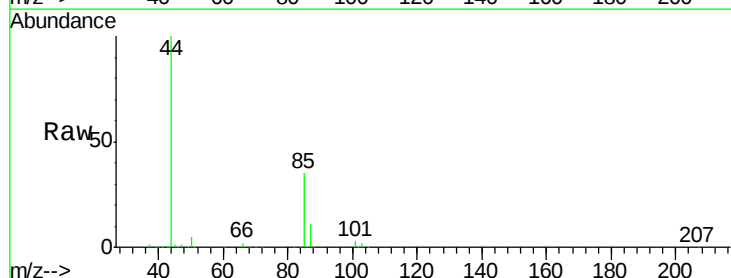
Acq: 20 May 2020 22:07

Tgt Ion: 85 Resp: 117742

Ion Ratio Lower Upper

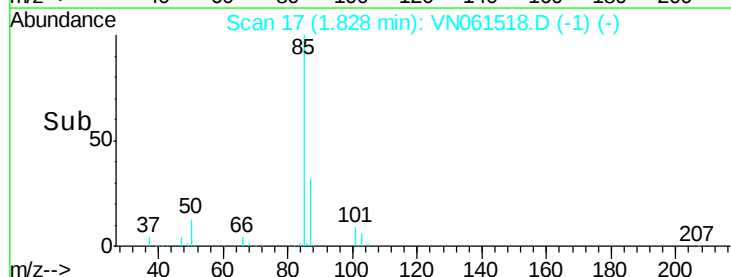
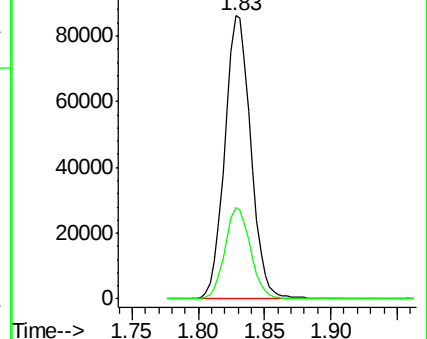
85 100

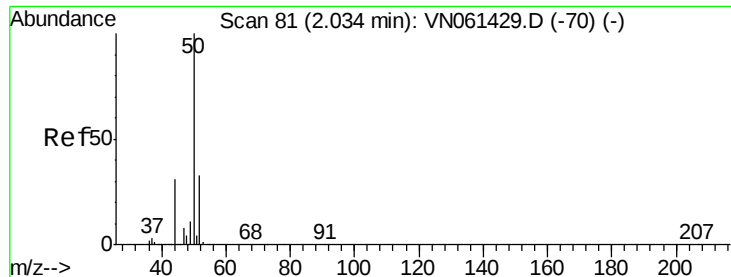
87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 38.502 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

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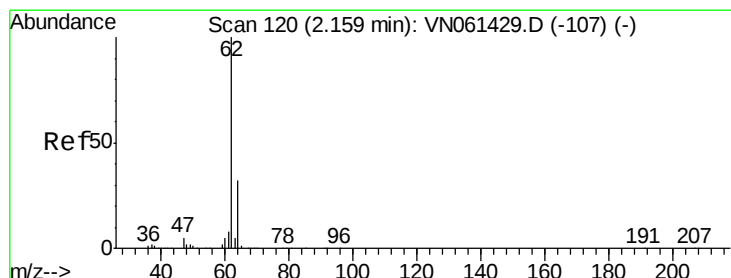
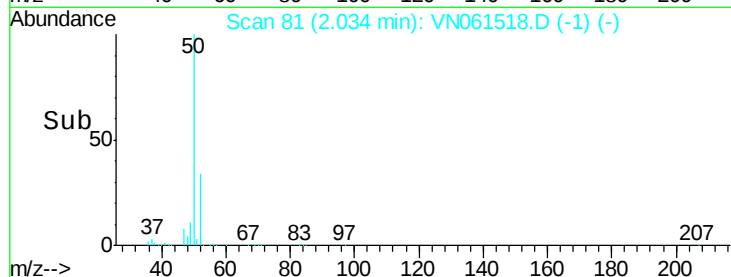
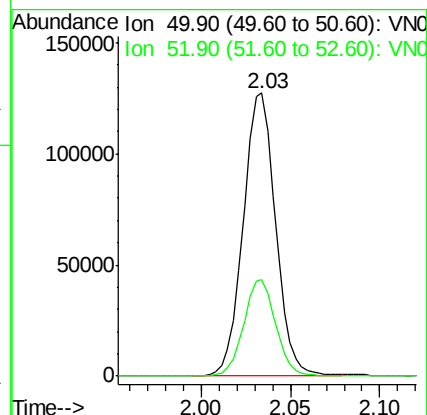
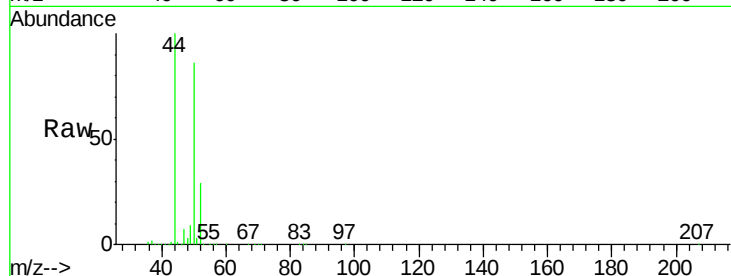
VSTDCCC050EC

Tot Ion: 50 Resp: 160903

Ion Ratio Lower Upper

50 100

52 34.3 26.7 40.1



#4

Vinyl Chloride

Concen: 40.530 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061518.D

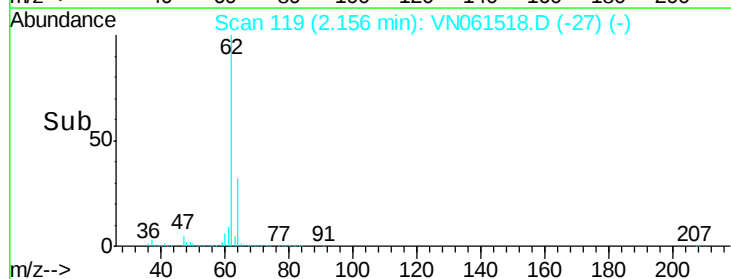
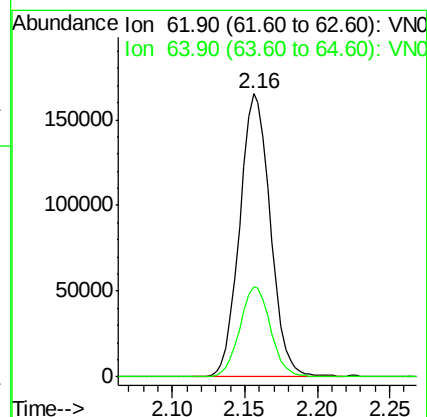
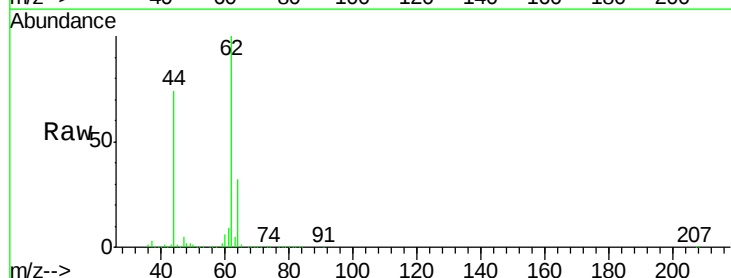
Acq: 20 May 2020 22:07

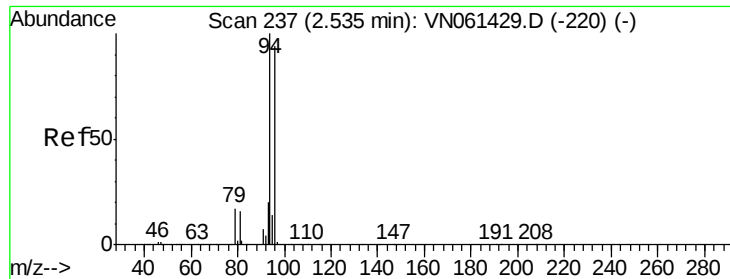
Tgt Ion: 62 Resp: 242407

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 45.736 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

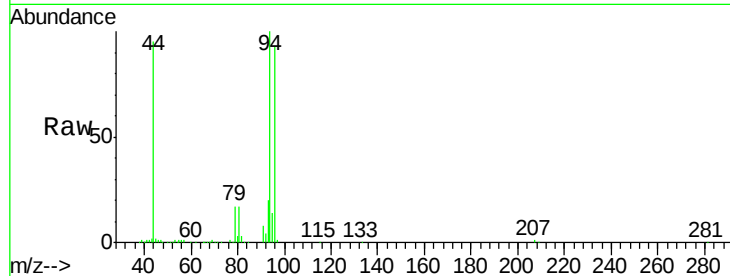
VSTDCCC050EC

Tot Ion: 94 Resp: 139359

Ion Ratio Lower Upper

94 100

96 92.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN061518.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VN061518.D (-144) (-)

2.53

80000

60000

40000

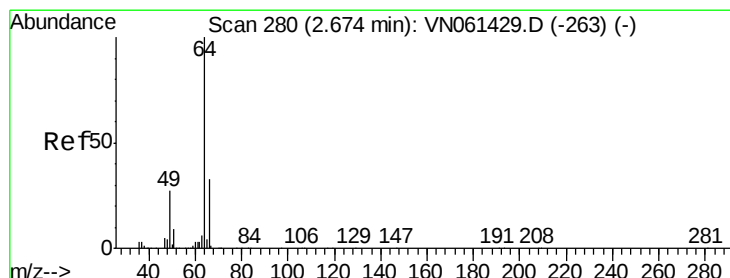
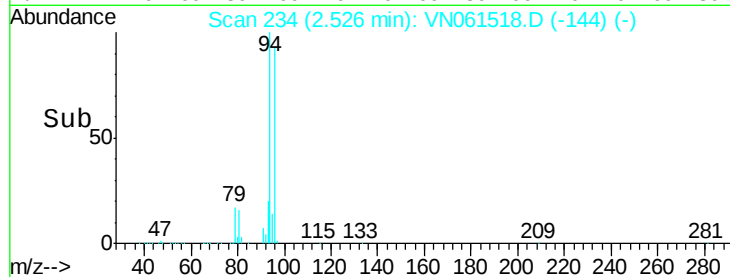
20000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 39.583 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN061518.D

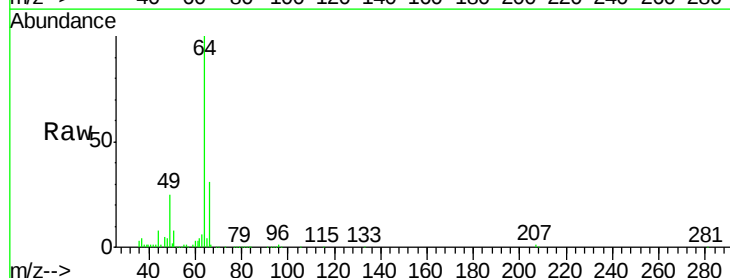
Acq: 20 May 2020 22:07

Tgt Ion: 64 Resp: 159346

Ion Ratio Lower Upper

64 100

66 31.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN061518.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN061518.D (-187) (-)

2.67

80000

60000

40000

20000

0

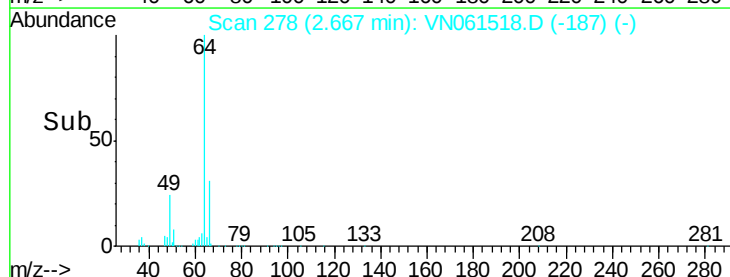
Time-->

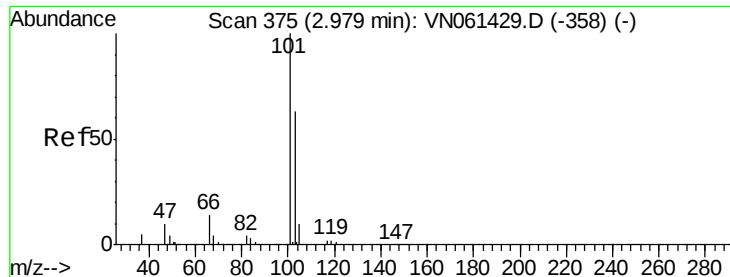
2.60

2.65

2.70

2.75



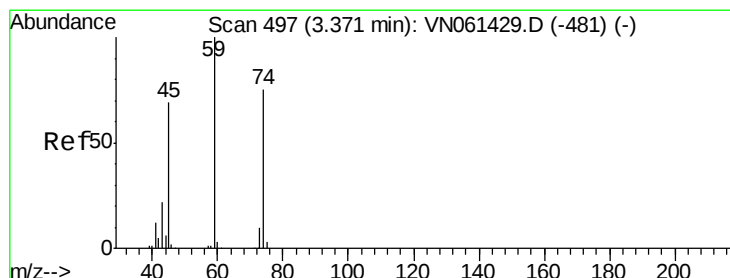
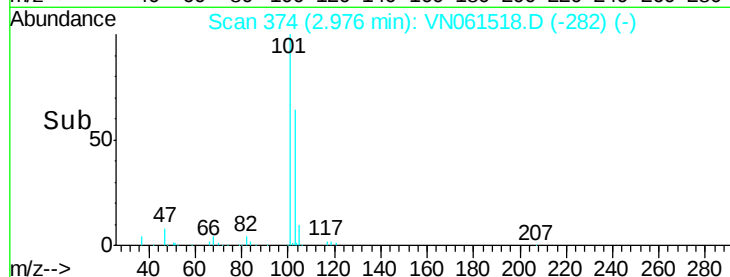
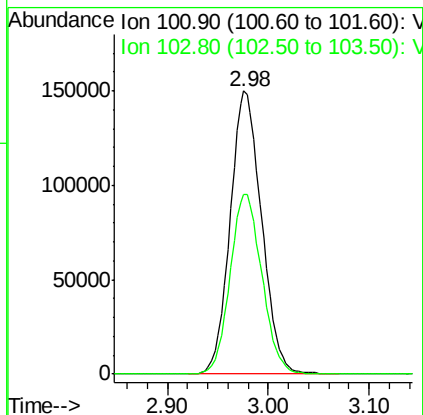
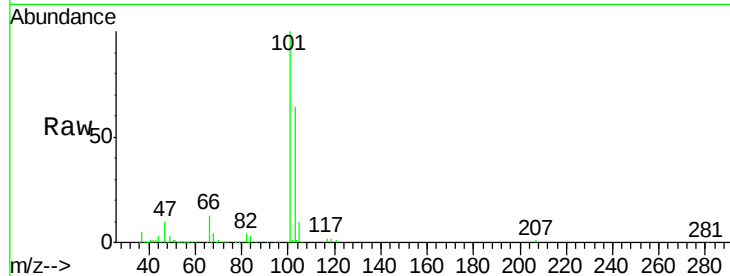


#7

Trichlorofluoromethane
 Concen: 44.639 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061518.D
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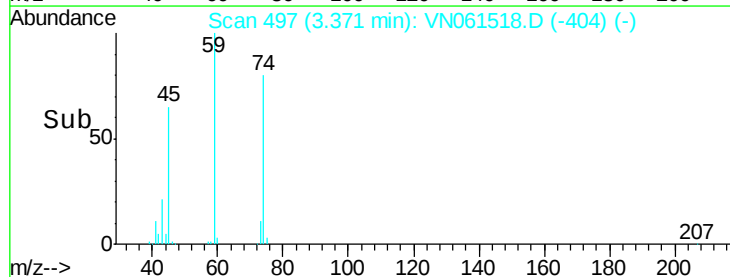
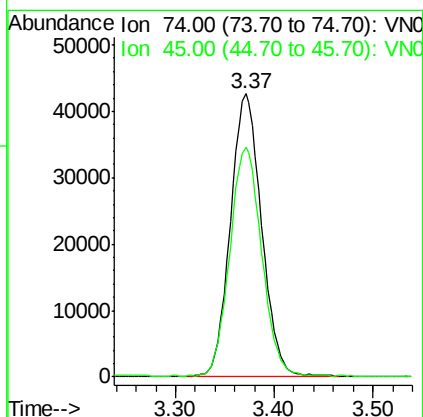
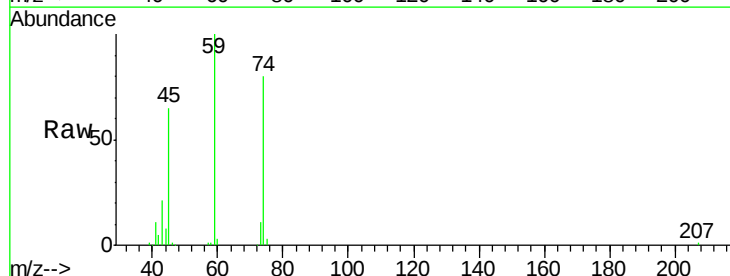
Tot Ion:101 Resp: 324138
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.2 75.4

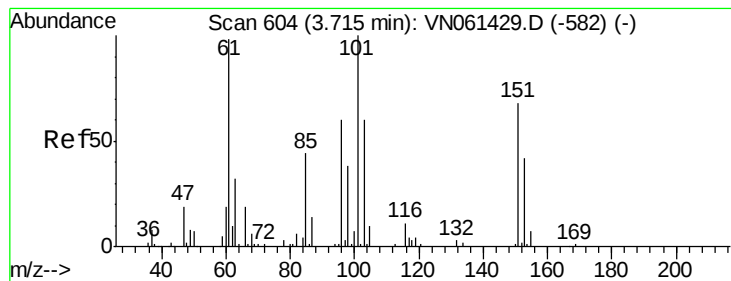


#8

Diethyl Ether
 Concen: 44.450 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 74 Resp: 94014
 Ion Ratio Lower Upper
 74 100
 45 83.0 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.168 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

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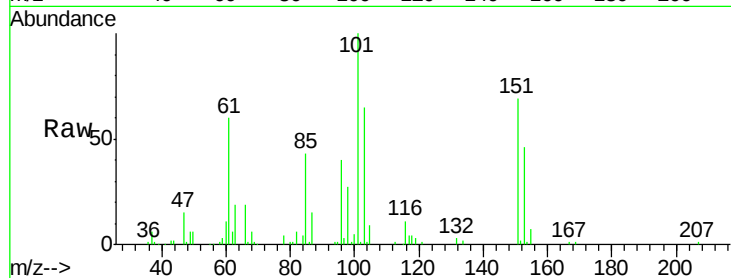
Tot Ion:101 Resp: 139408

Ion Ratio Lower Upper

101 100

85 45.1 36.6 55.0

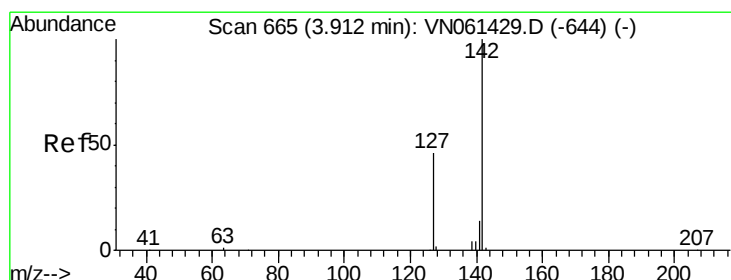
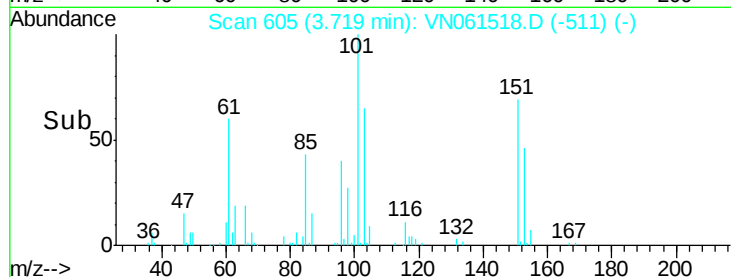
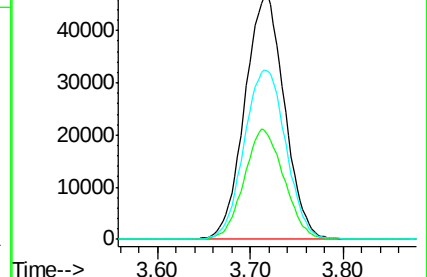
151 72.8 56.3 84.5



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: 45.650 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

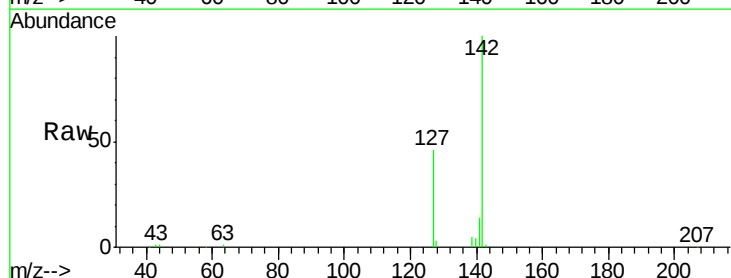
Tgt Ion:142 Resp: 167426

Ion Ratio Lower Upper

142 100

127 45.7 36.7 55.1

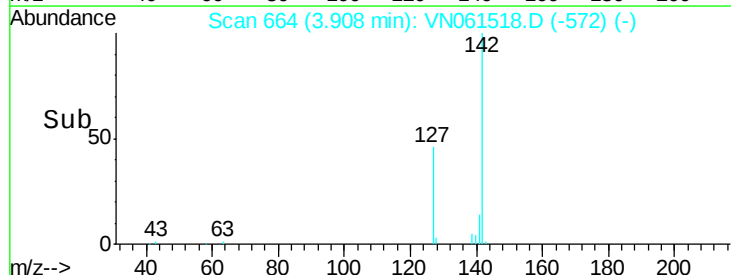
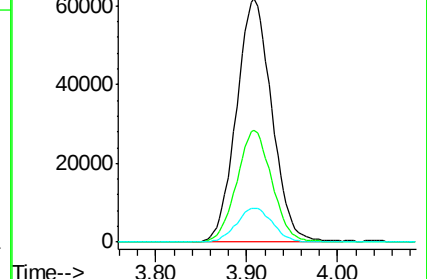
141 14.3 11.5 17.3

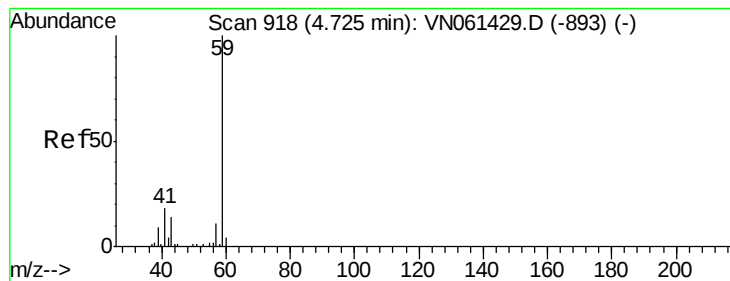


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



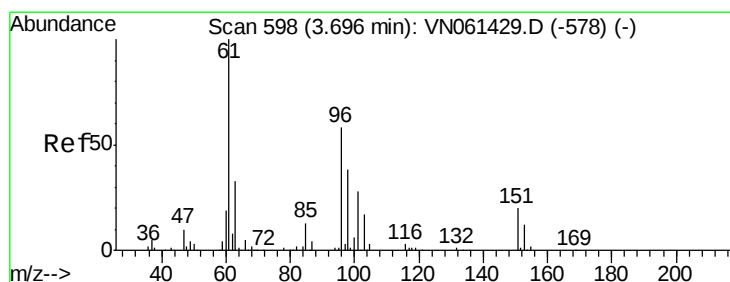
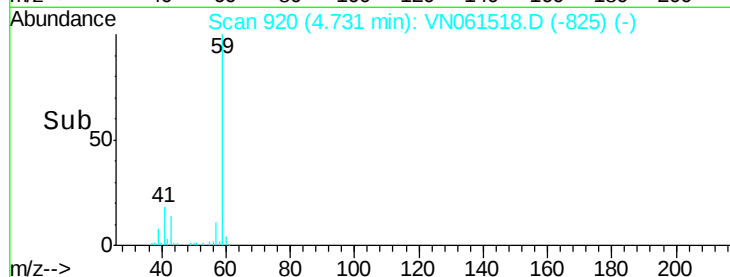
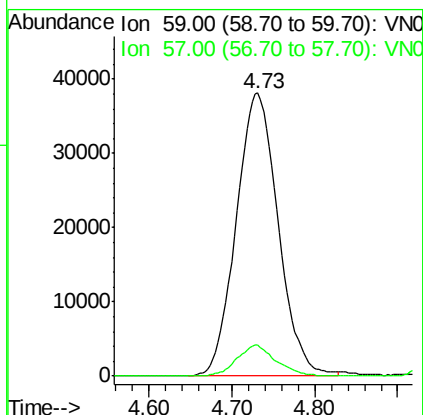
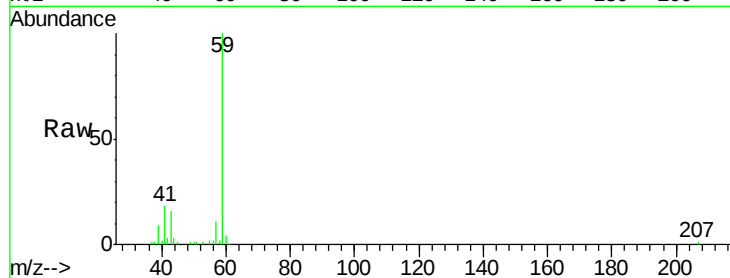


#11

Tert butyl alcohol
 Concen: 252.973 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

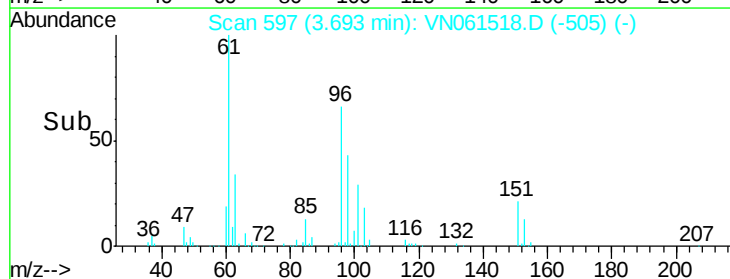
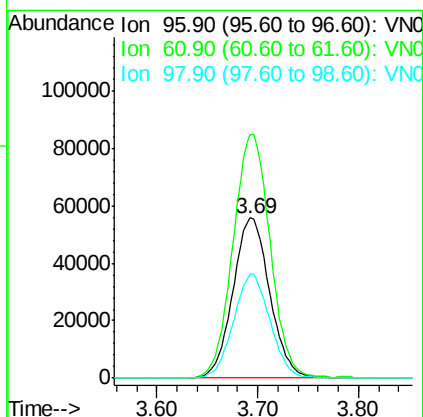
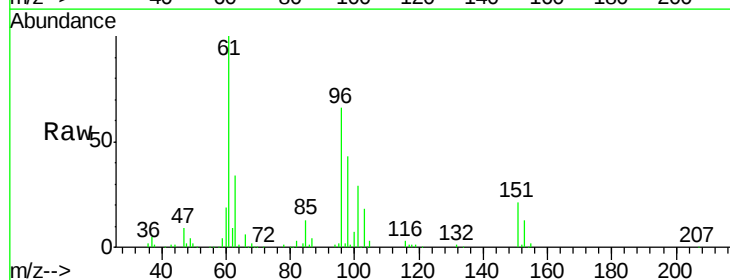
Tot Ion: 59 Resp: 134051
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

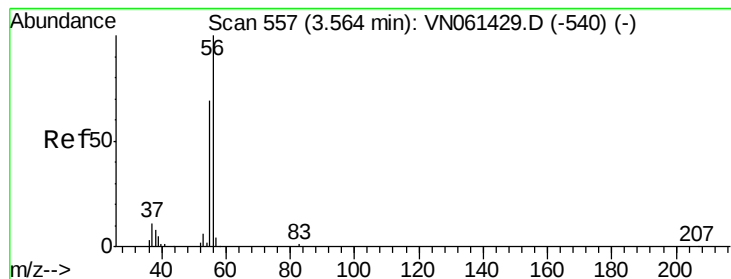


#12

1,1-Dichloroethene
 Concen: 44.774 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 96 Resp: 141423
 Ion Ratio Lower Upper
 96 100
 61 152.4 138.7 208.1
 98 65.0 53.0 79.6





#13

Acrolein

Concen: 253.695 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

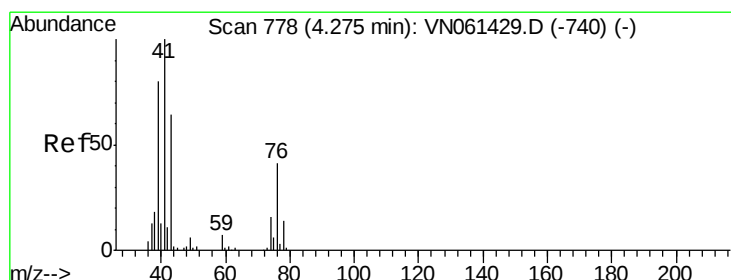
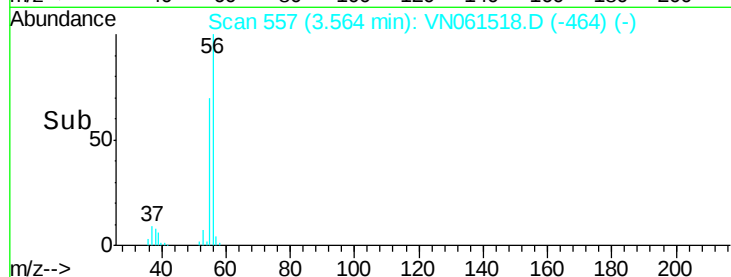
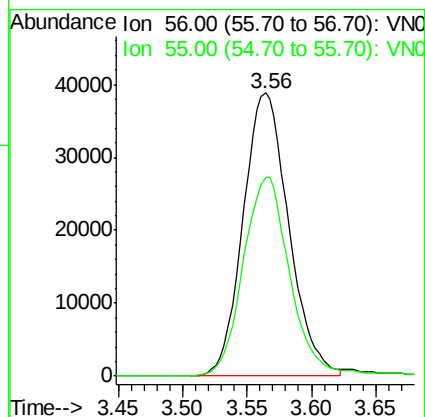
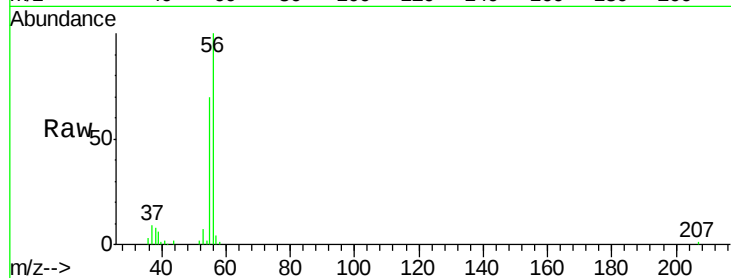
VSTDCCC050EC

Tot Ion: 56 Resp: 95808

Ion Ratio Lower Upper

56 100

55 72.1 54.8 82.2



#14

Allyl chloride

Concen: 39.933 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

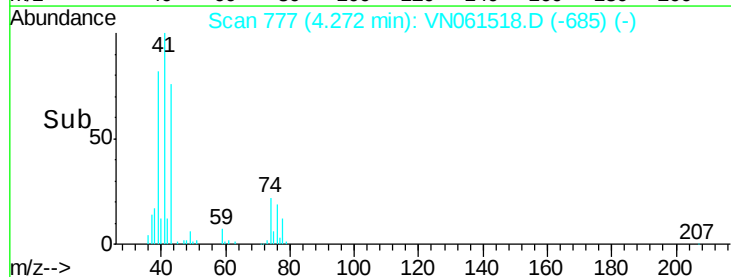
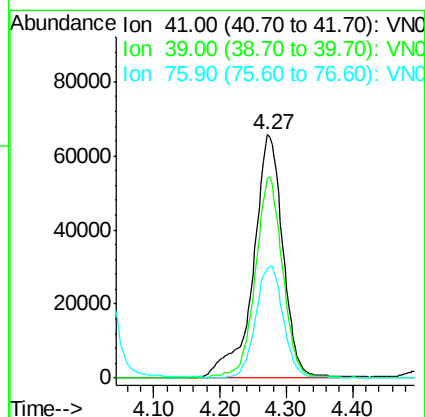
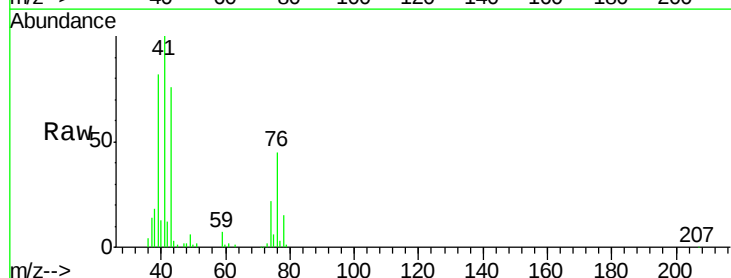
Tgt Ion: 41 Resp: 205268

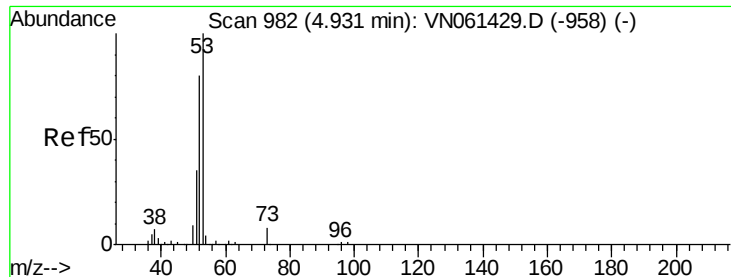
Ion Ratio Lower Upper

41 100

39 76.0 61.2 91.8

76 41.6 29.9 44.9





#15

Acrylonitrile

Concen: 222.221 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

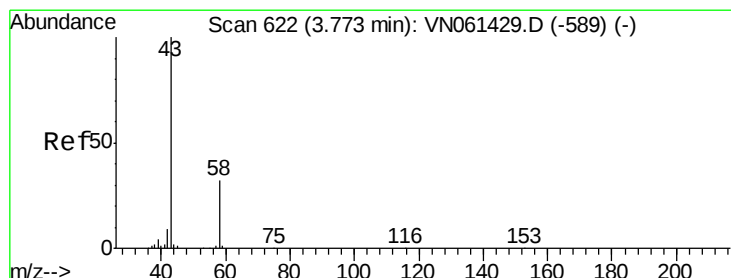
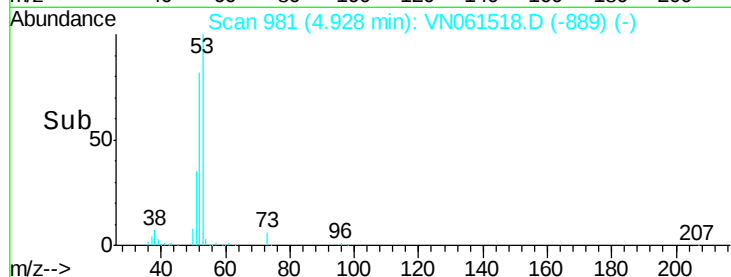
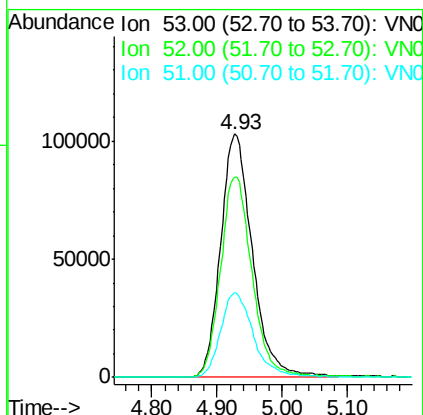
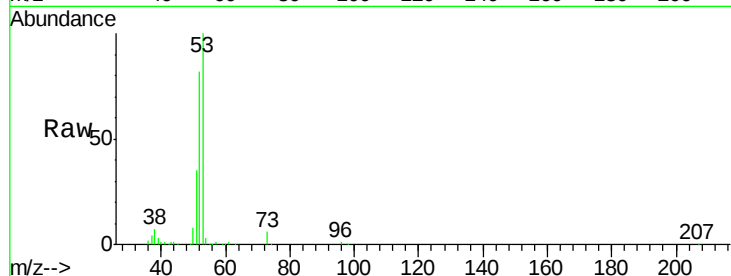
Tot Ion: 53 Resp: 348871

Ion Ratio Lower Upper

53 100

52 81.2 64.7 97.1

51 35.9 29.5 44.3



#16

Acetone

Concen: 220.562 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061518.D

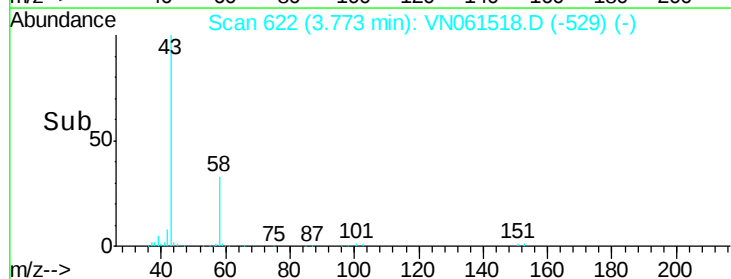
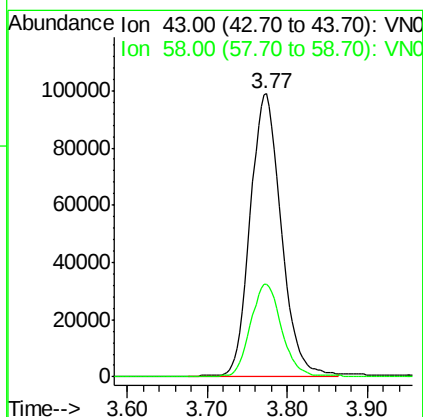
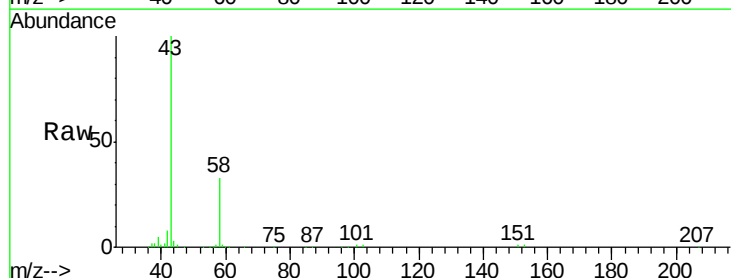
Acq: 20 May 2020 22:07

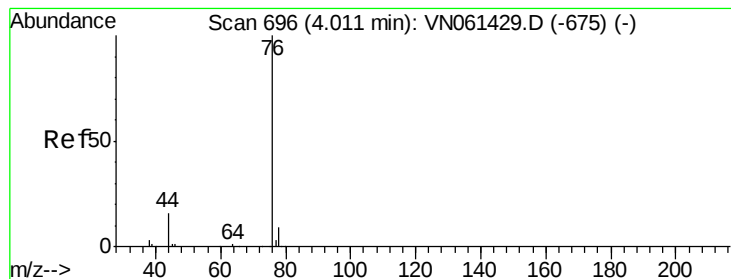
Tgt Ion: 43 Resp: 261086

Ion Ratio Lower Upper

43 100

58 32.7 25.6 38.4





#17

Carbon Disulfide

Concen: 42.139 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

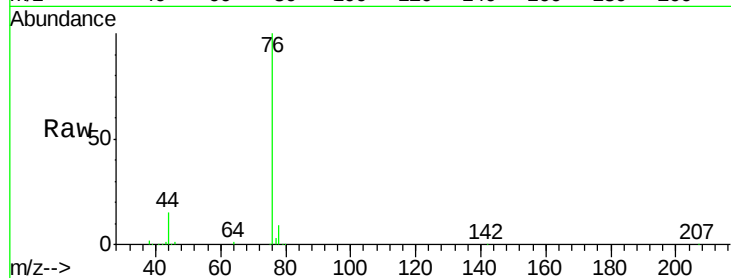
VSTDCCC050EC

Tot Ion: 76 Resp: 288998

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)

4.01

120000

100000

80000

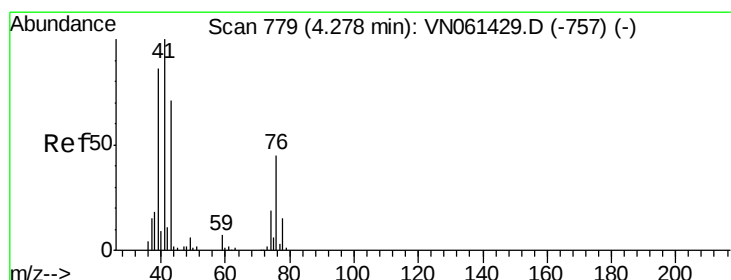
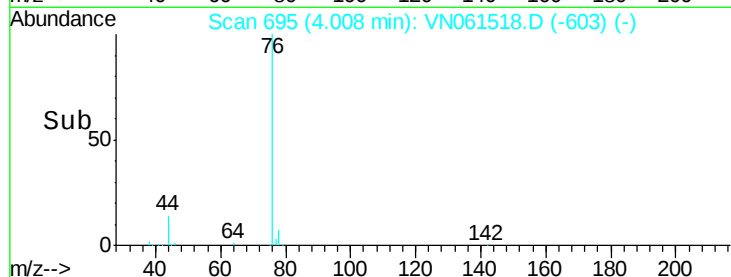
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.398 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061518.D

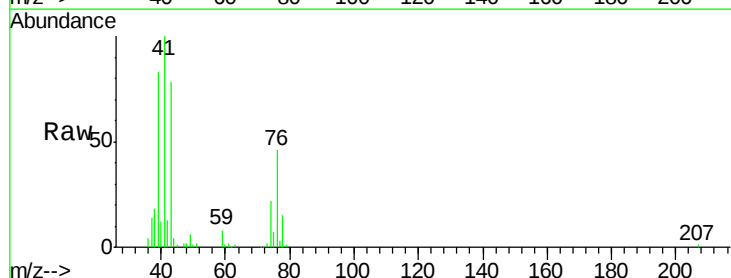
Acq: 20 May 2020 22:07

Tgt Ion: 43 Resp: 143491

Ion Ratio Lower Upper

43 100

74 28.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

4.27

60000

50000

40000

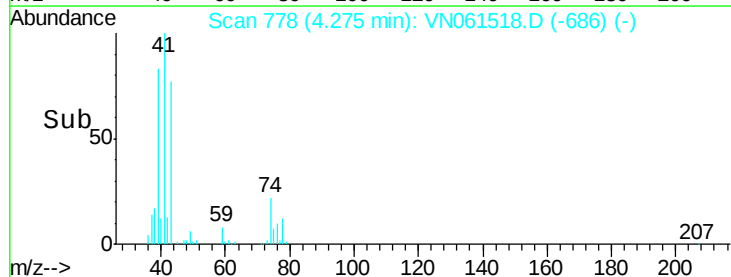
30000

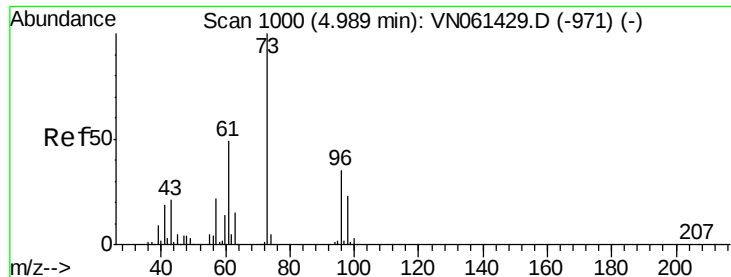
20000

10000

0

Time-->

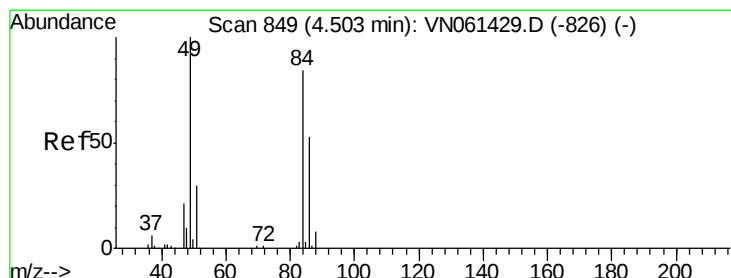
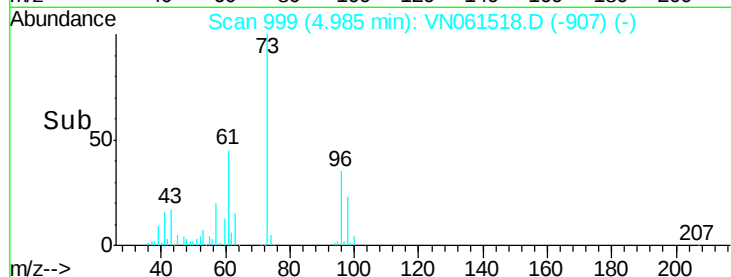
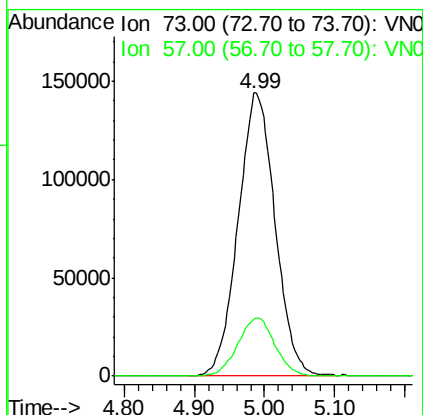
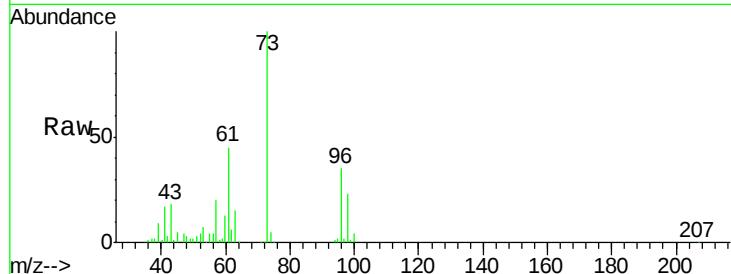




#19
Methvl tert-butvl Ether
Concen: 43.953 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

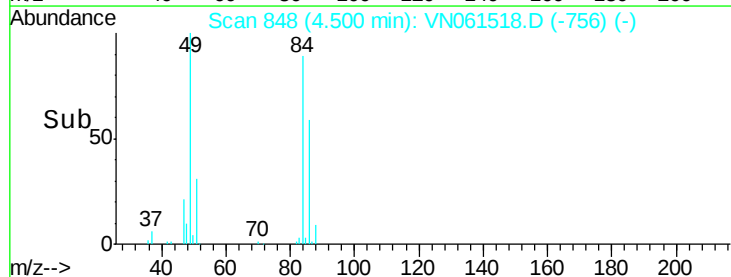
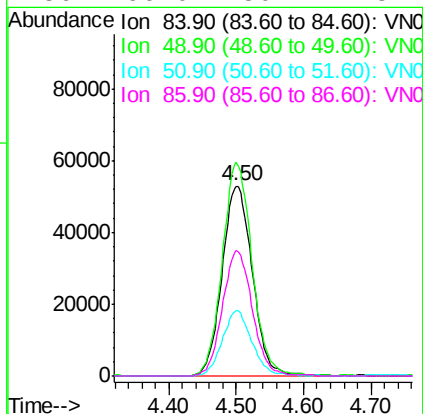
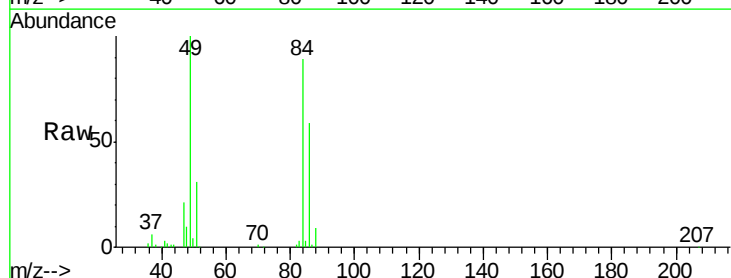
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

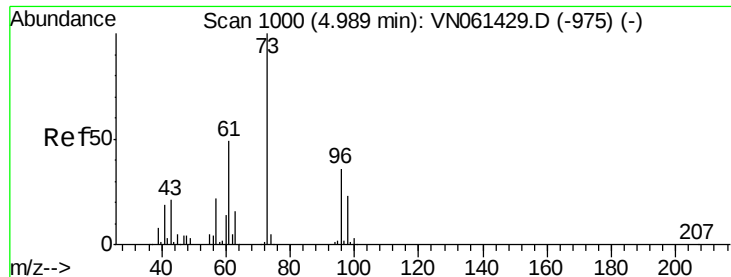
Tot Ion: 73 Resp: 526836
Ion Ratio Lower Upper
73 100
57 20.1 17.4 26.0



#20
Methylene Chloride
Concen: 44.021 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 84 Resp: 166384
Ion Ratio Lower Upper
84 100
49 112.5 95.3 142.9
51 34.7 29.0 43.6
86 66.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 44.791 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

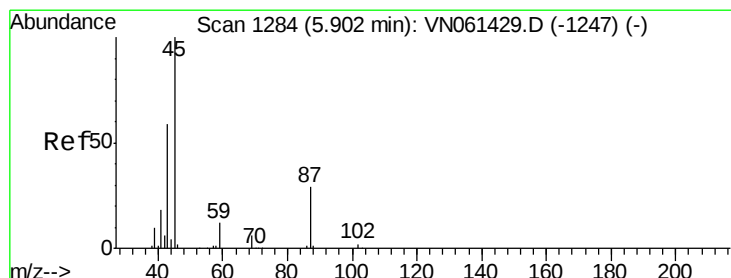
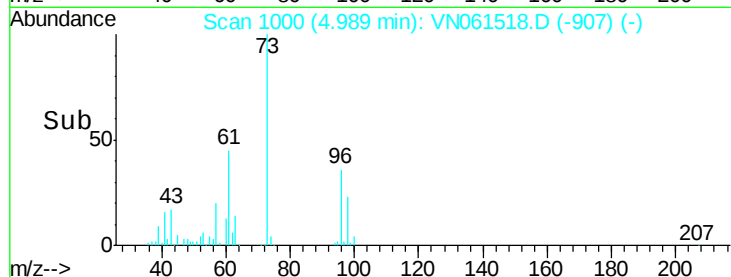
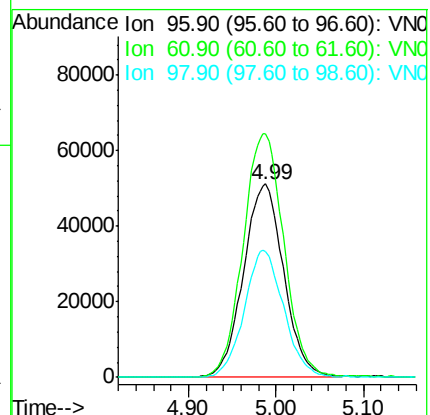
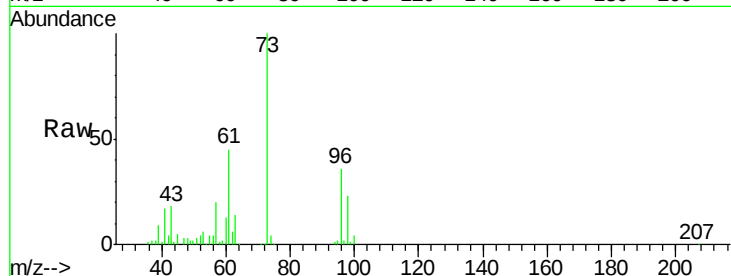
Tot Ion: 96 Resp: 163136

Ion Ratio Lower Upper

96 100

61 126.1 109.8 164.6

98 65.2 52.4 78.6



#22

Diisopropyl ether

Concen: 40.471 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion: 45 Resp: 467488

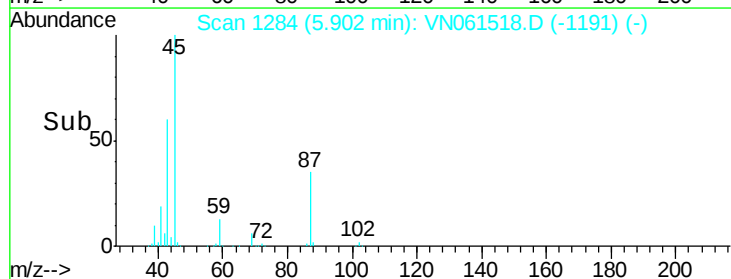
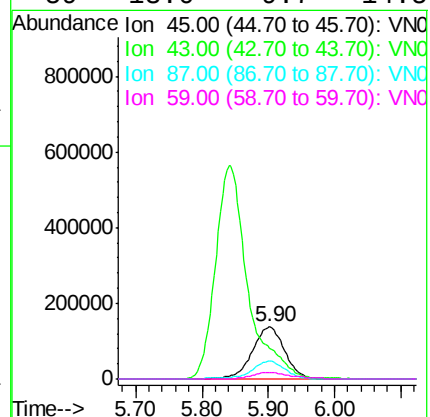
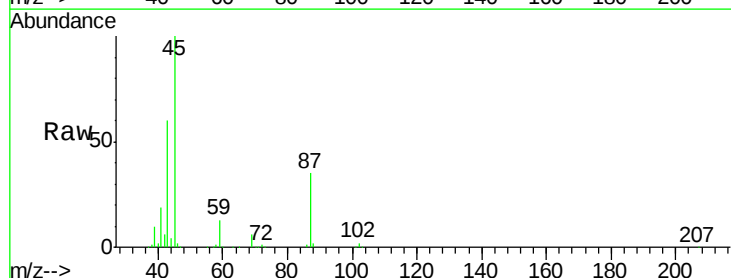
Ion Ratio Lower Upper

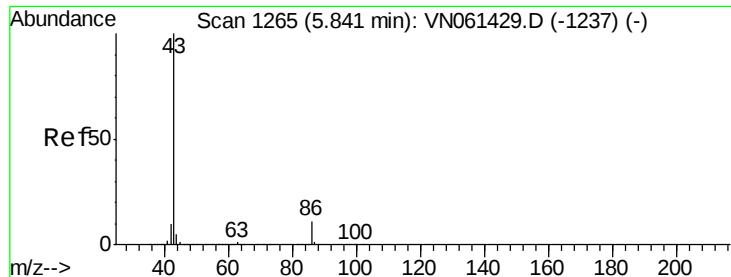
45 100

43 58.8 47.9 71.9

87 34.8 24.0 36.0

59 13.0 9.7 14.5

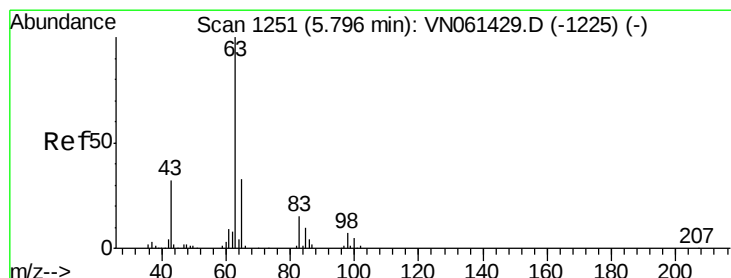
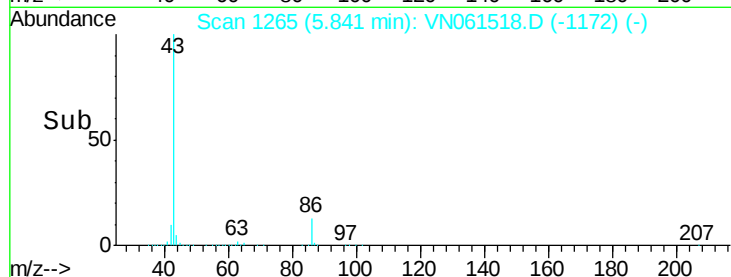
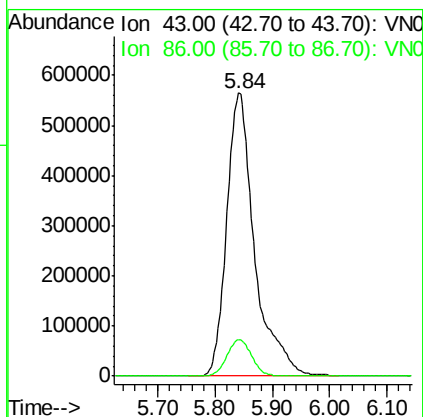
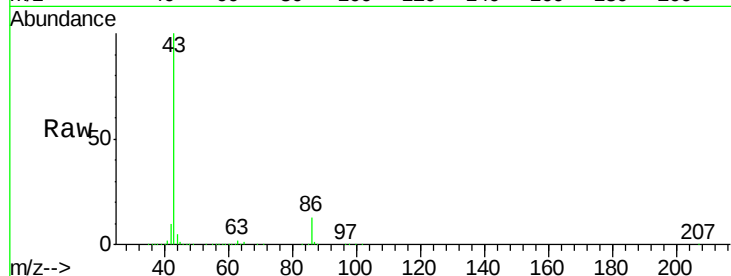




#23
 Vinyl Acetate
 Concen: 208.226 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

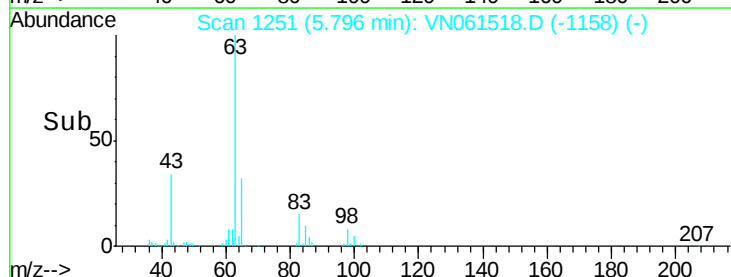
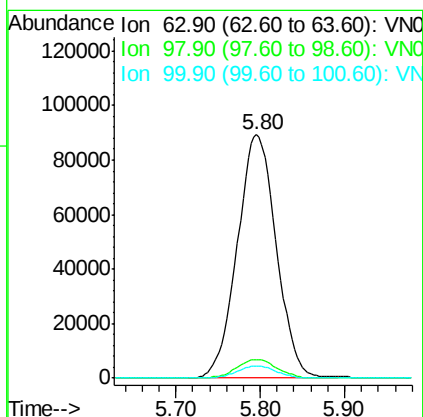
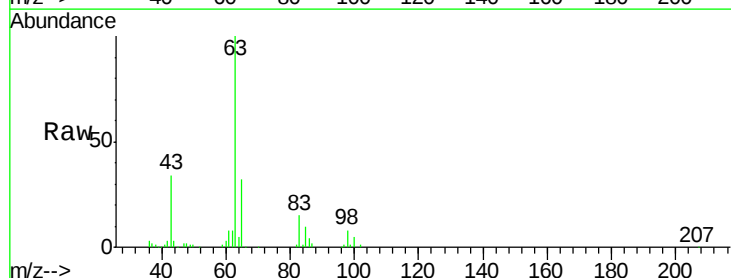
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

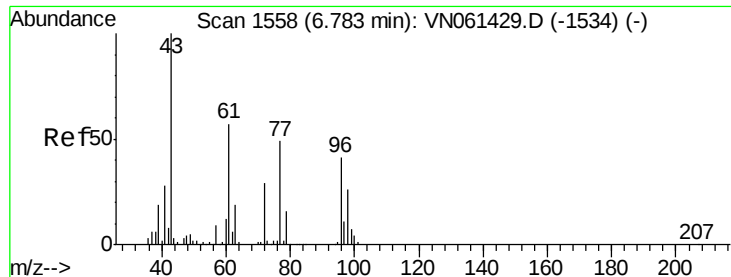
Tot Ion: 43 Resp: 1912669
 Ion Ratio Lower Upper
 43 100
 86 12.9 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 42.664 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 63 Resp: 287446
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.5
 100 4.9 2.3 6.9





#25

2-Butanone

Concen: 210.822 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

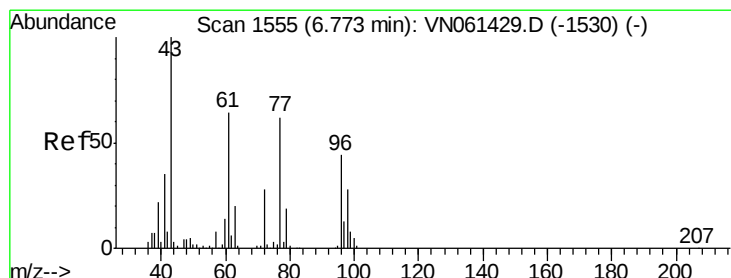
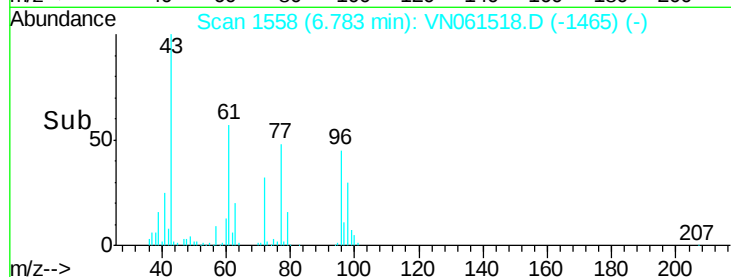
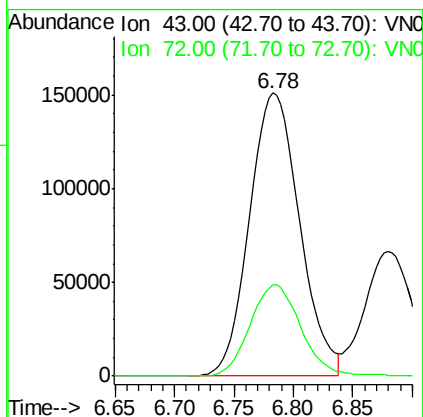
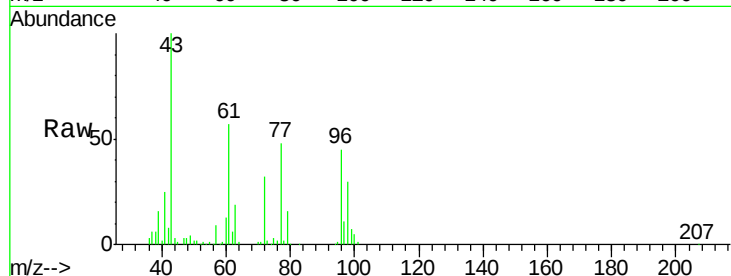
VSTDCCC050EC

Tot Ion: 43 Resp: 441447

Ion Ratio Lower Upper

43 100

72 32.2 23.0 34.6



#26

2,2-Dichloropropane

Concen: 39.498 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061518.D

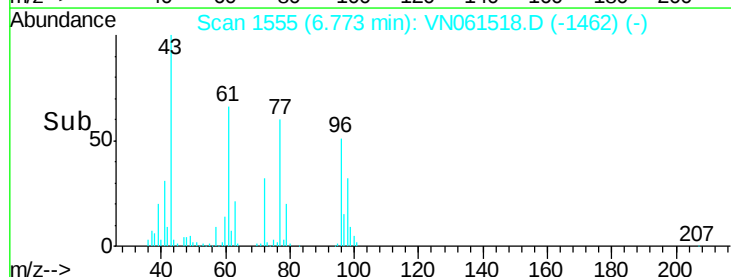
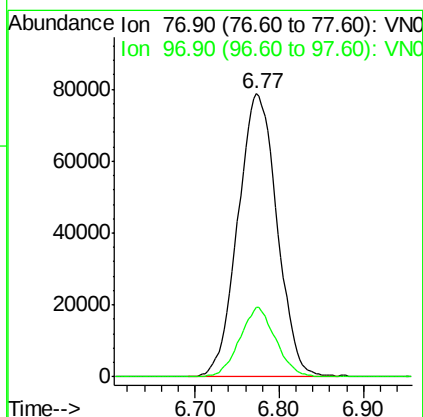
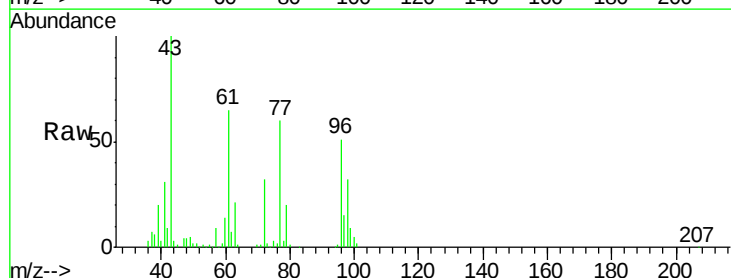
Acq: 20 May 2020 22:07

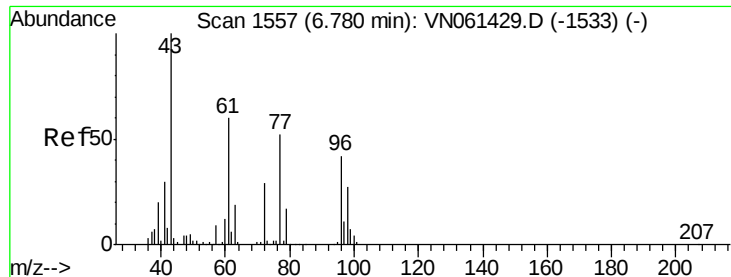
Tgt Ion: 77 Resp: 253685

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 46.818 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

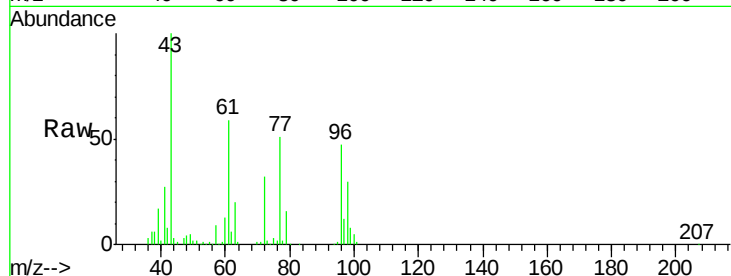
Tot Ion: 96 Resp: 201424

Ion Ratio Lower Upper

96 100

61 130.7 0.0 294.2

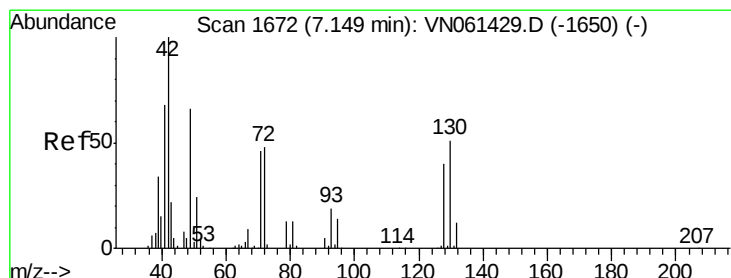
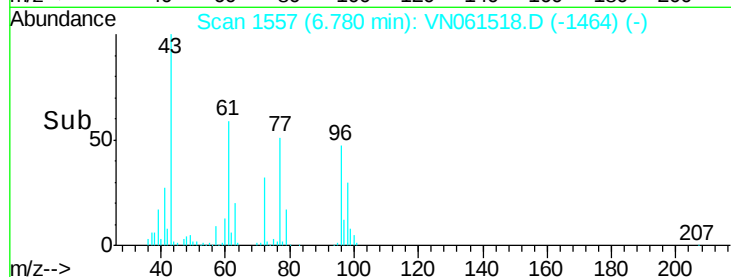
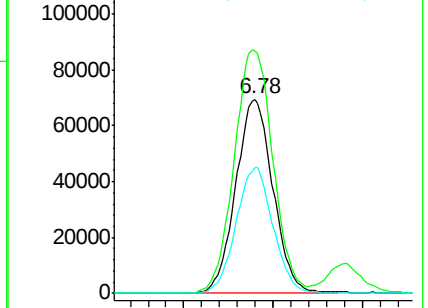
98 64.2 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061518.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061518.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061518.D (-1464) (-)



#28

Bromochloromethane

Concen: 44.153 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

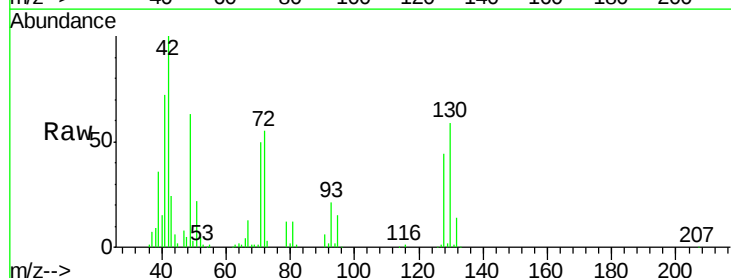
Tgt Ion: 49 Resp: 126268

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

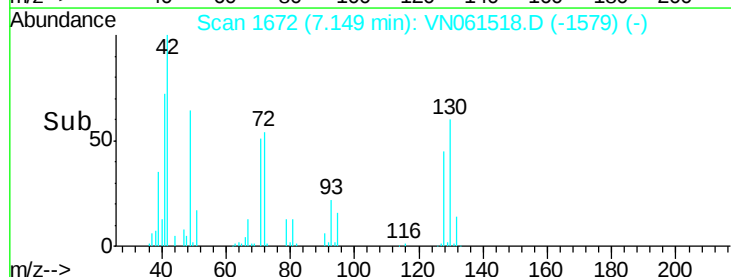
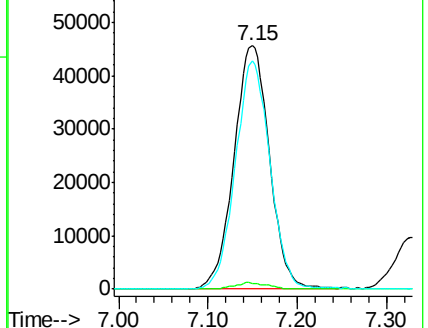
130 91.3 62.2 93.2

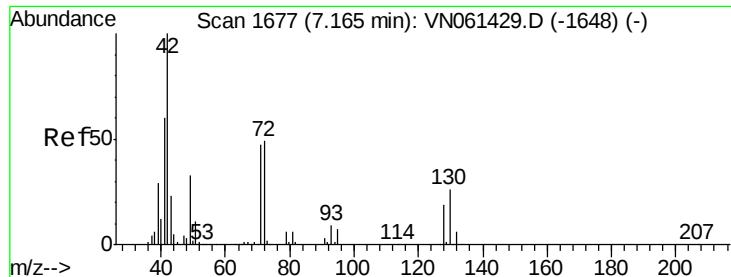


Abundance Ion 48.90 (48.60 to 49.60): VN061518.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061518.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061518.D (-1579) (-)

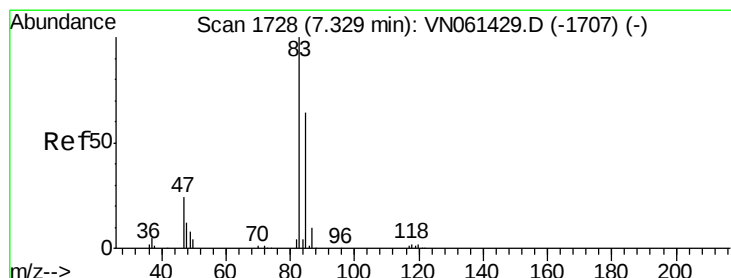
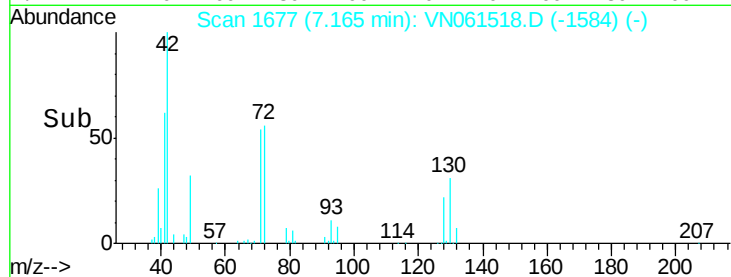
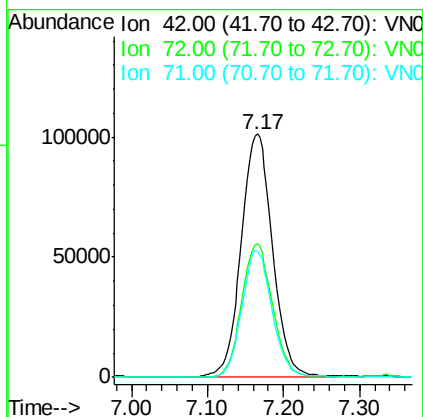
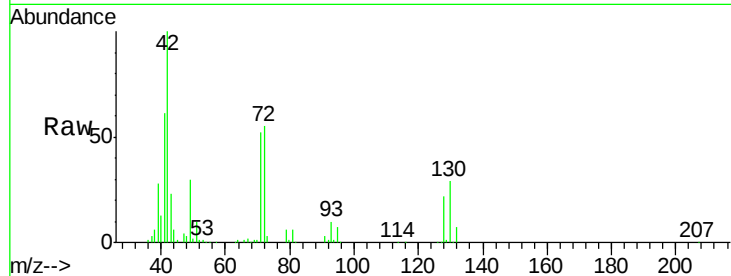




#29
Tetrahydrofuran
Concen: 208.934 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

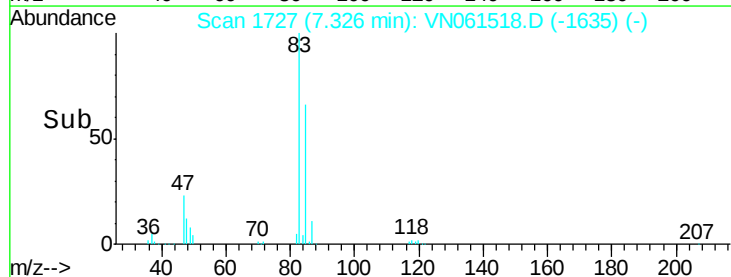
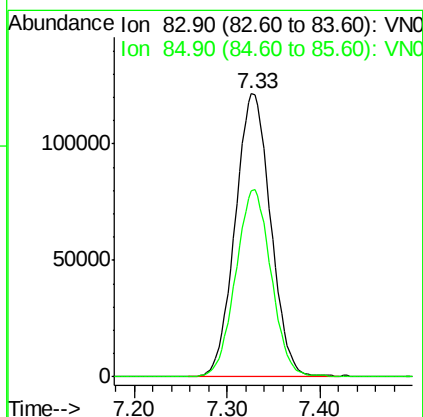
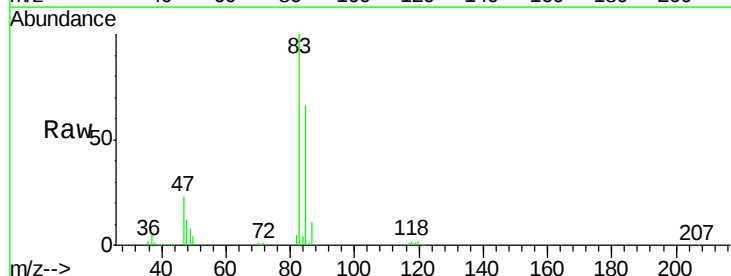
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

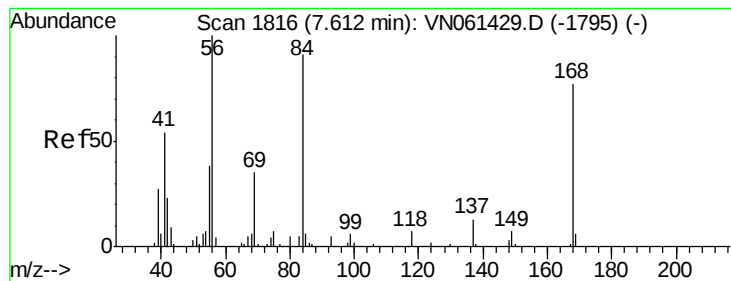
Tot Ion: 42 Resp: 289741
Ion Ratio Lower Upper
42 100
72 54.3 39.0 58.6
71 50.5 36.9 55.3



#30
Chloroform
Concen: 45.892 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 83 Resp: 322941
Ion Ratio Lower Upper
83 100
85 65.9 51.0 76.4





#31

Cyclohexane

Concen: 40.353 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

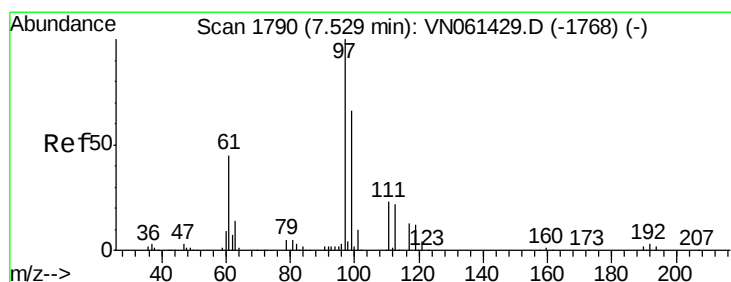
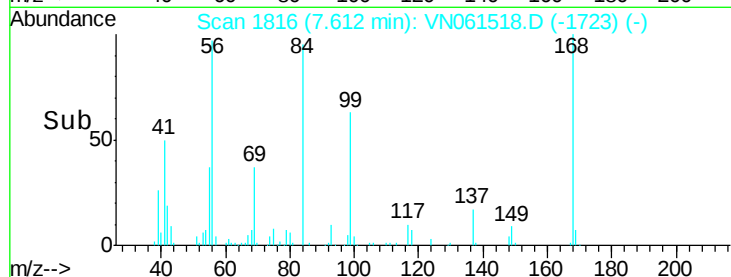
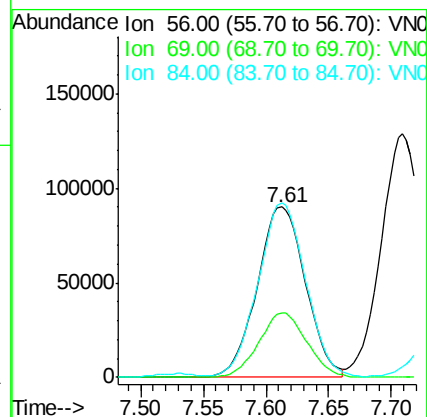
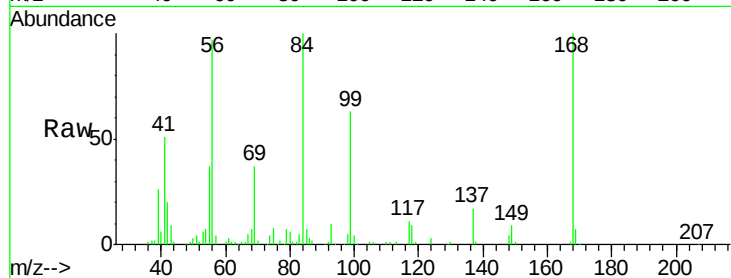
Tot Ion: 56 Resp: 242697

Ion Ratio Lower Upper

56 100

69 38.1 27.8 41.6

84 101.2 72.7 109.1



#32

1,1,1-Trichloroethane

Concen: 46.539 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

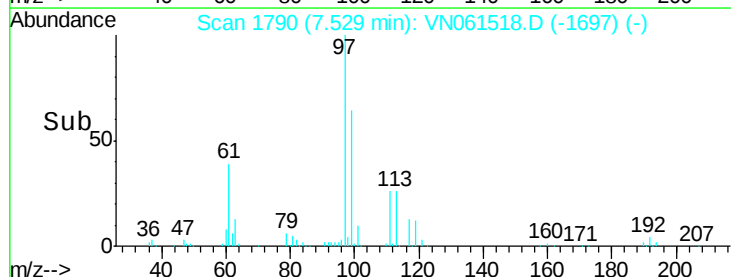
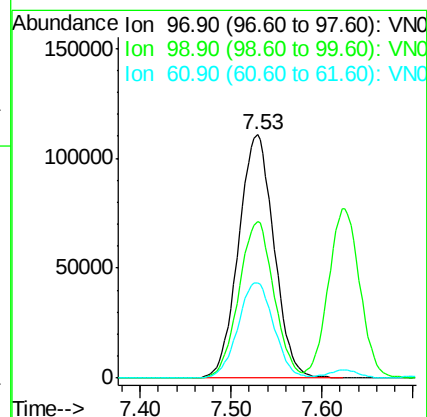
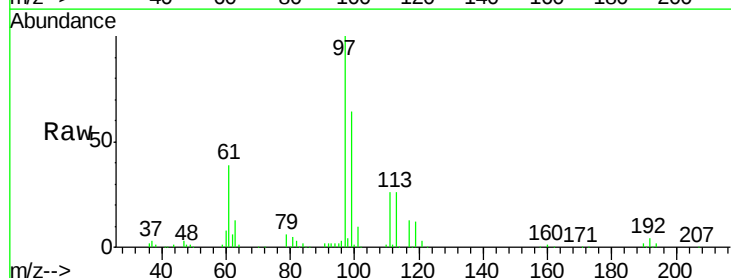
Tgt Ion: 97 Resp: 299263

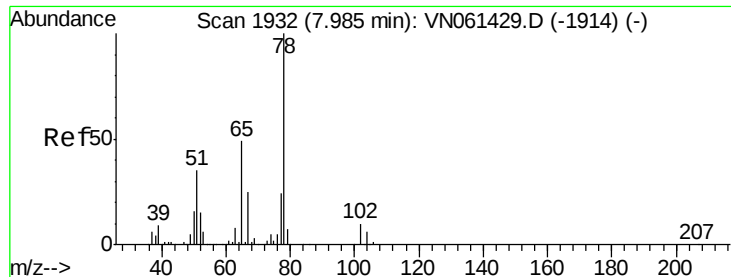
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 39.7 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 43.850 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

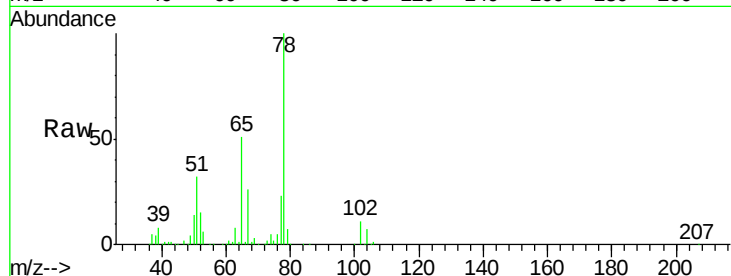
VSTDCCC050EC

Tot Ion: 65 Resp: 201663

Ion Ratio Lower Upper

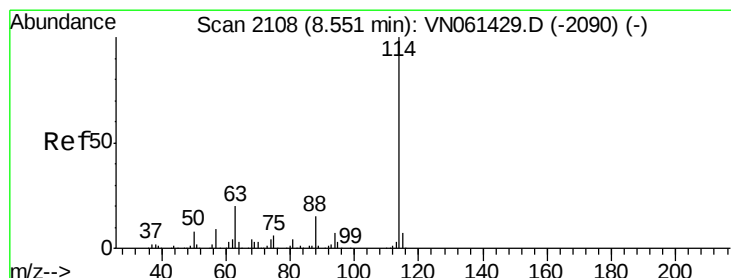
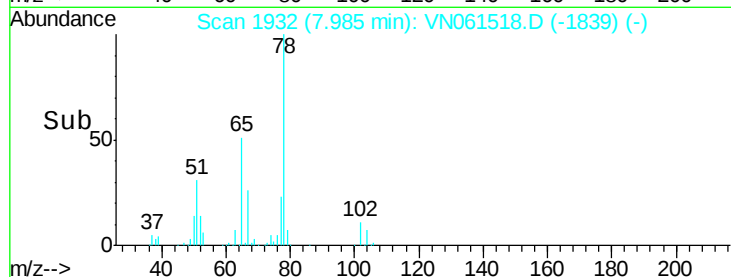
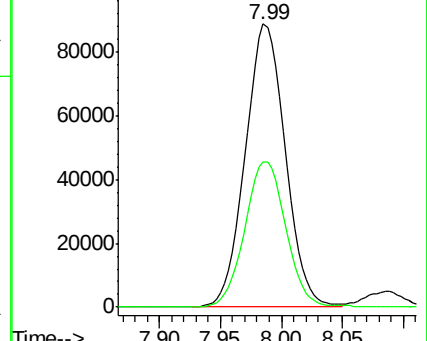
65 100

67 52.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN061518.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN061518.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

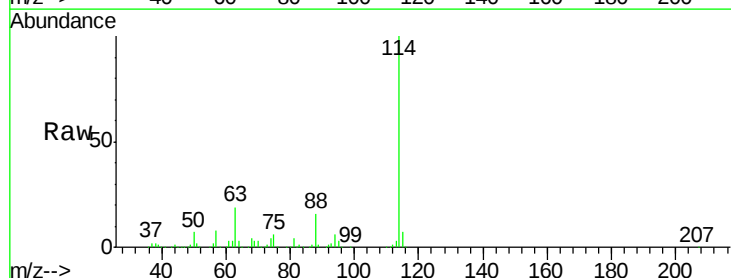
Tgt Ion: 114 Resp: 563749

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

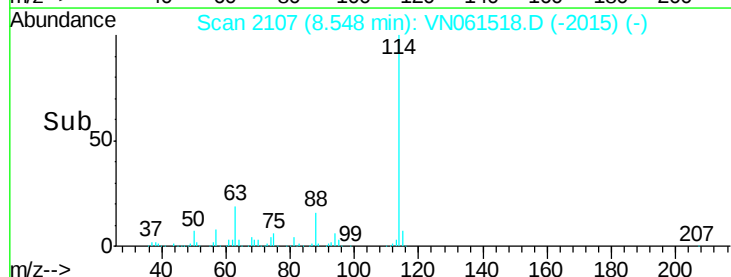
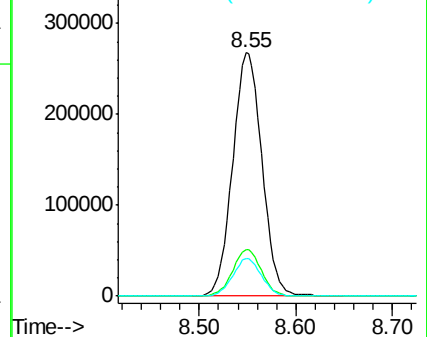
88 15.6 0.0 30.8

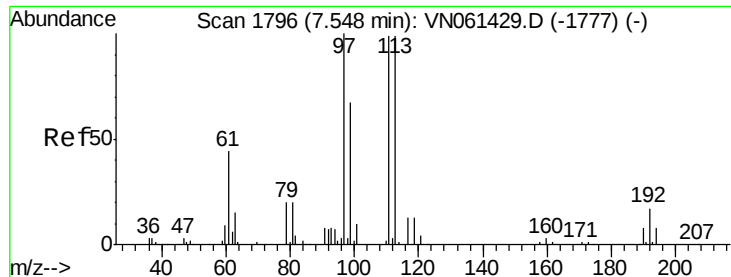


Abundance Ion 113.90 (113.60 to 114.60): VN061518.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN061518.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN061518.D (-2015) (-)

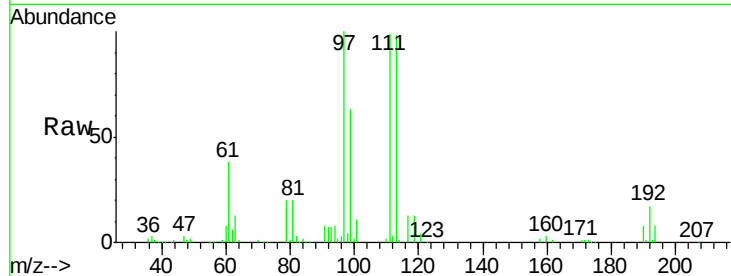




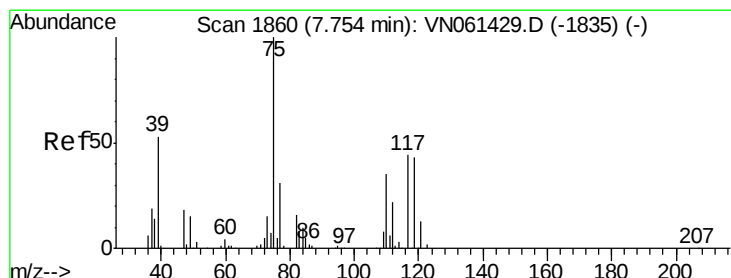
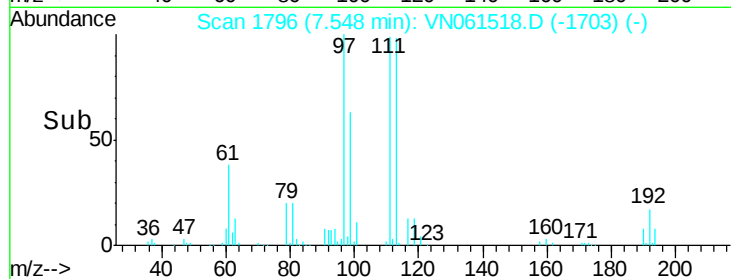
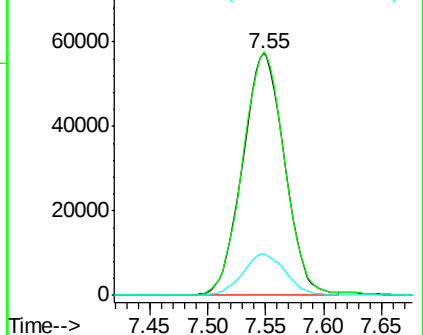
#35
 Dibromofluoromethane
 Concen: 48.857 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 144291
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.6 121.0
 192 17.4 13.2 19.8

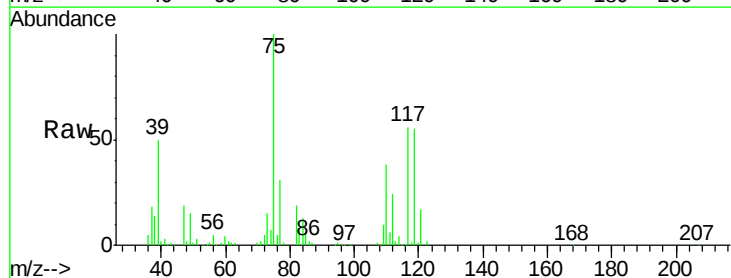


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

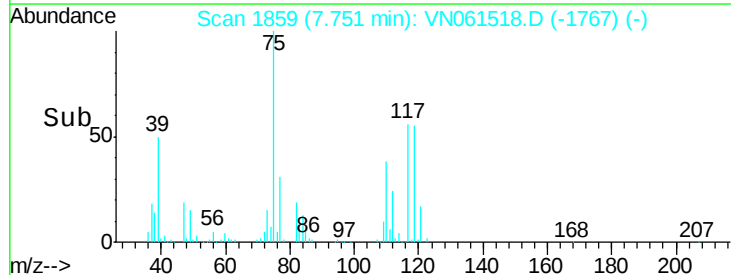
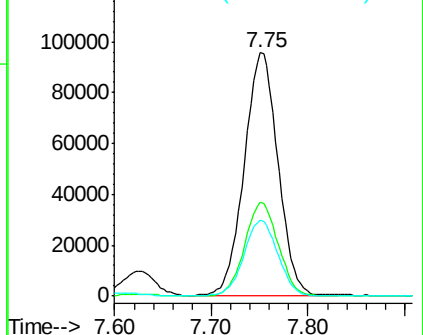


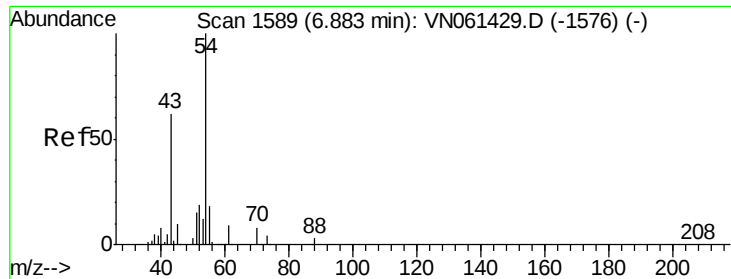
#36
 1,1-Dichloropropene
 Concen: 43.924 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 75 Resp: 231537
 Ion Ratio Lower Upper
 75 100
 110 38.3 17.3 51.9
 77 31.5 24.9 37.3



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

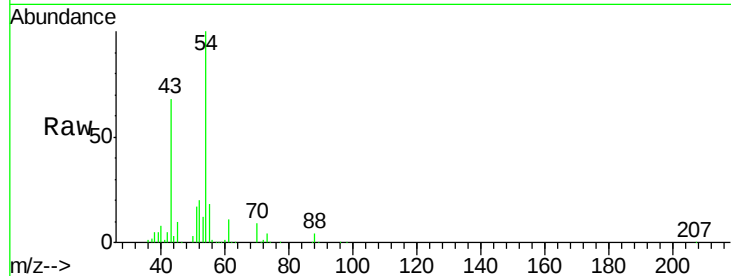




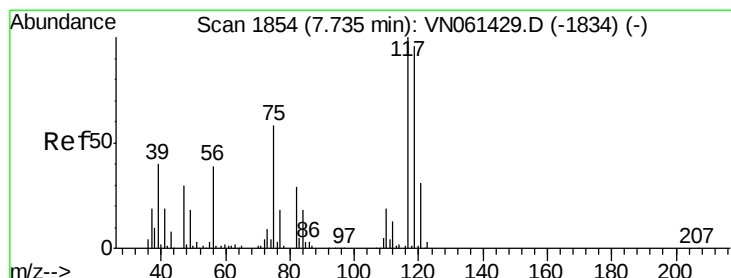
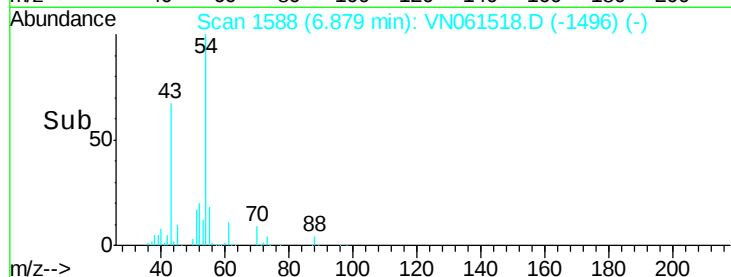
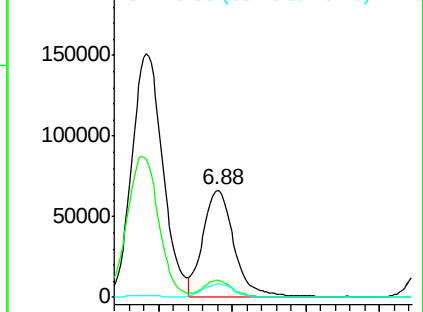
#37
Ethyl Acetate
Concen: 40.774 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 194922
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 12.2 9.2 13.8

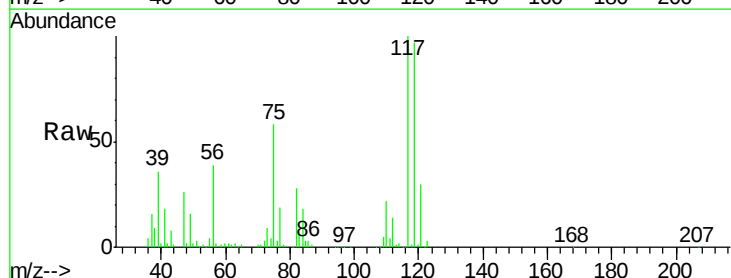


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

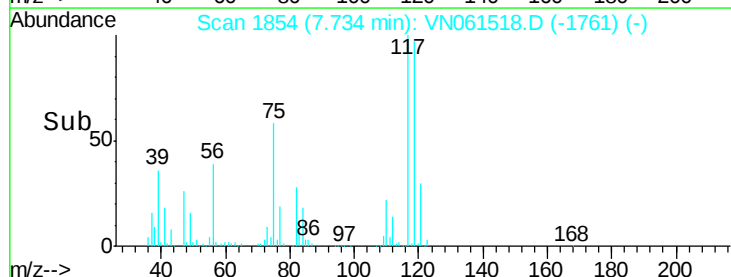
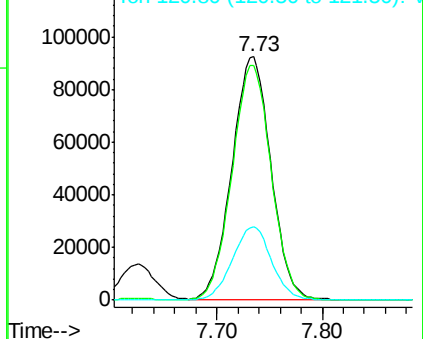


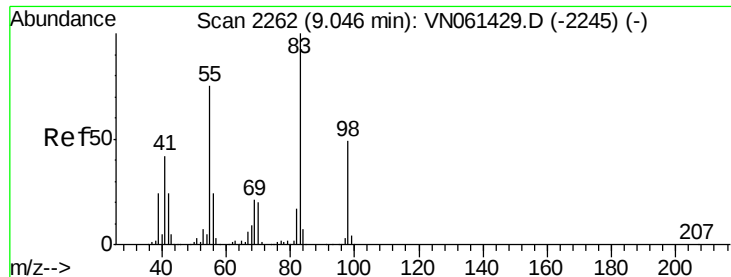
#38
Carbon Tetrachloride
Concen: 48.694 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 117 Resp: 236355
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.6
121 30.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

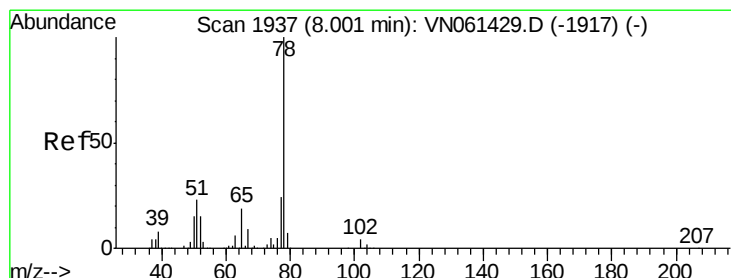
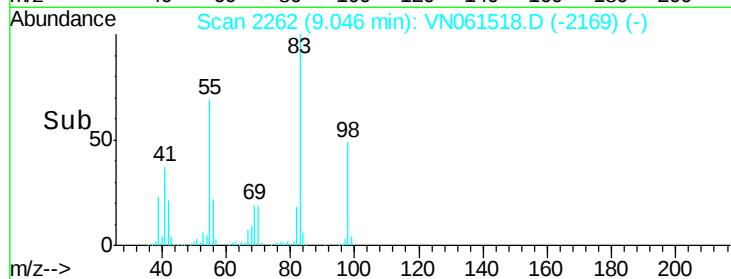
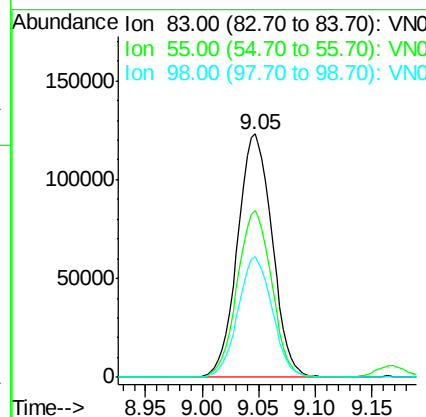
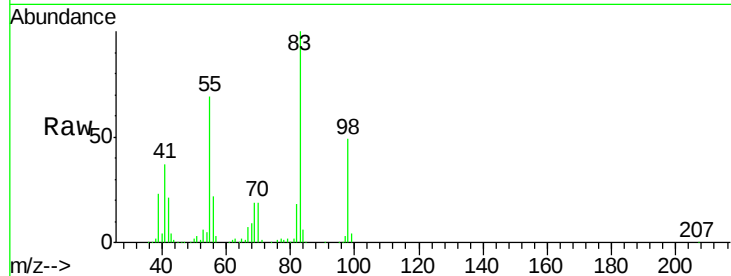




#39
Methvlcvclohexane
Concen: 40.884 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

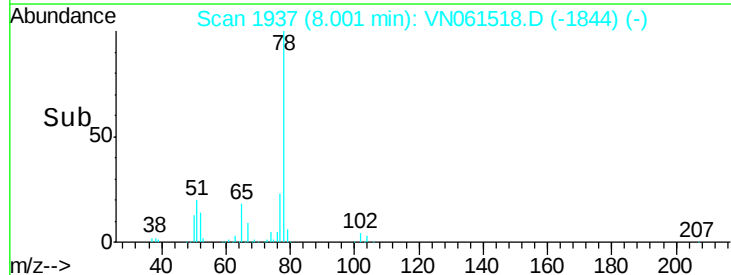
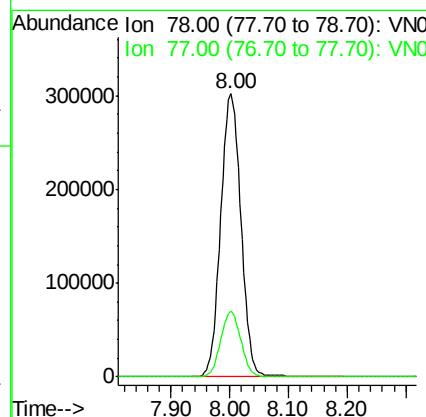
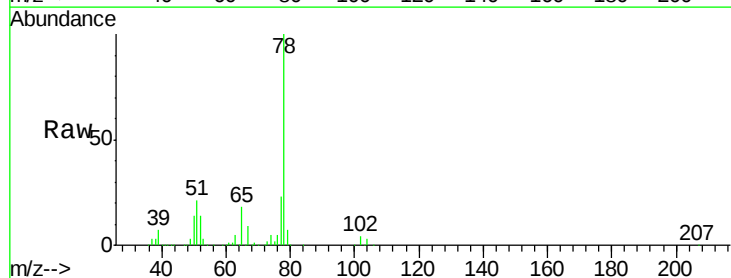
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

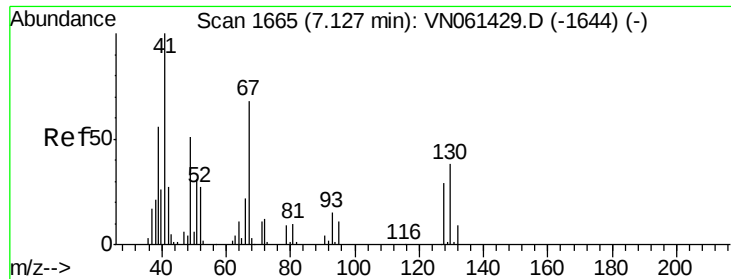
Tot Ion: 83 Resp: 263227
Ion Ratio Lower Upper
83 100
55 68.7 59.7 89.5
98 49.4 38.9 58.3



#40
Benzene
Concen: 45.375 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 78 Resp: 720813
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

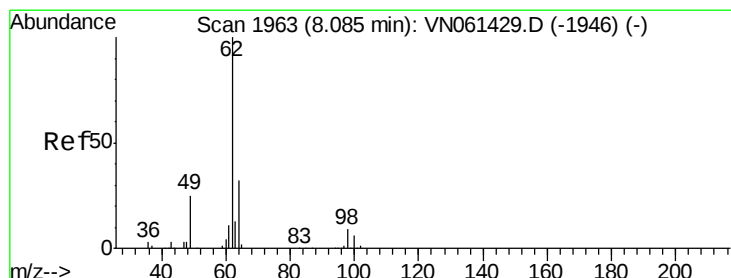
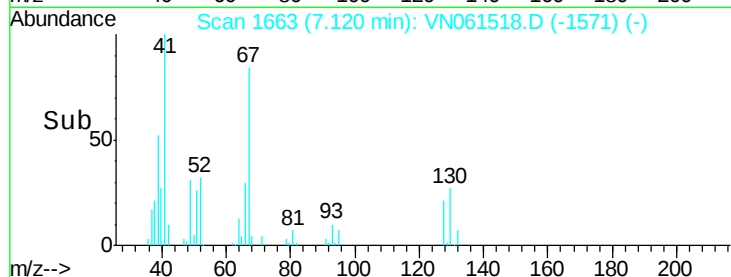
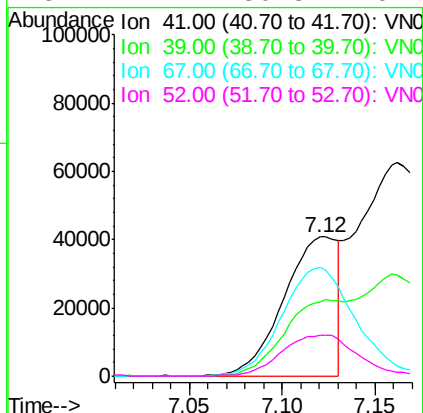
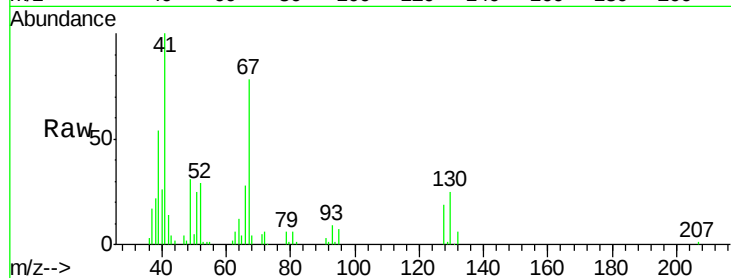




#41
Methacrylonitrile
Concen: 40.788 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

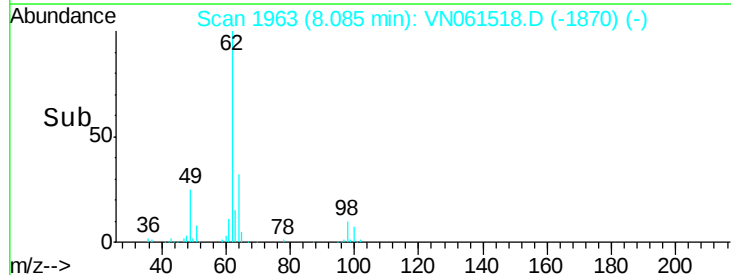
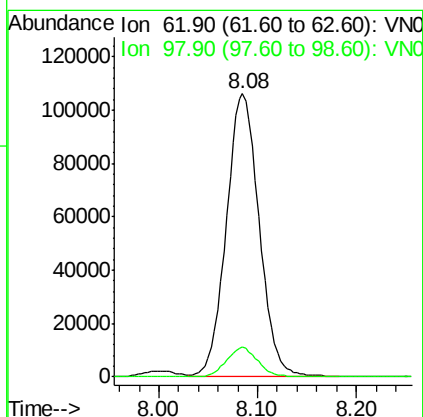
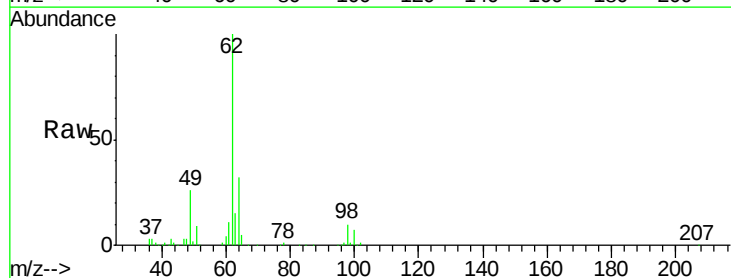
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	82356
Ion	Ratio	Lower	Upper
41	100		
39	59.9	48.3	72.5
67	107.2	74.2	111.4
52	42.4	30.8	46.2



#42
1,2-Dichloroethane
Concen: 42.849 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion:	62	Resp:	245237
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4





#43

Isopropyl Acetate

Concen: 41.433 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

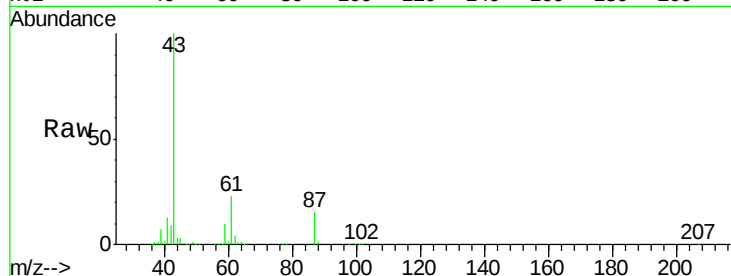
Tot Ion: 43 Resp: 345459

Ion Ratio Lower Upper

43 100

61 29.3 23.0 34.4

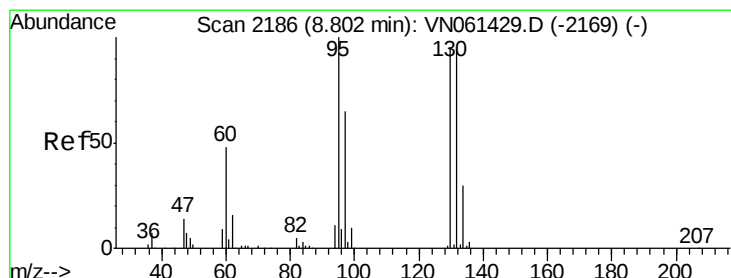
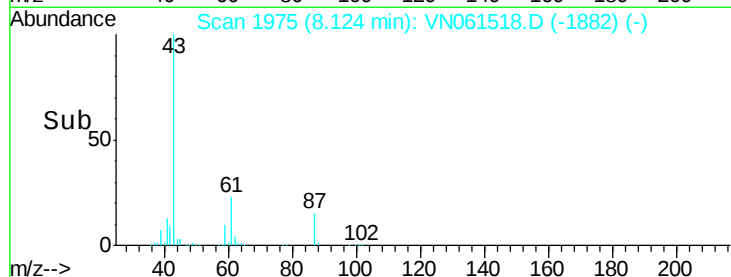
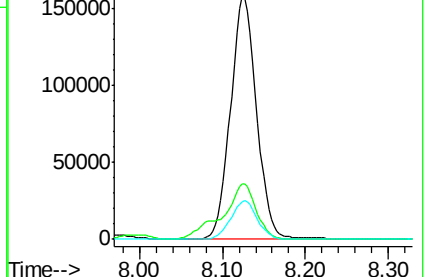
87 16.1 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 49.203 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061518.D

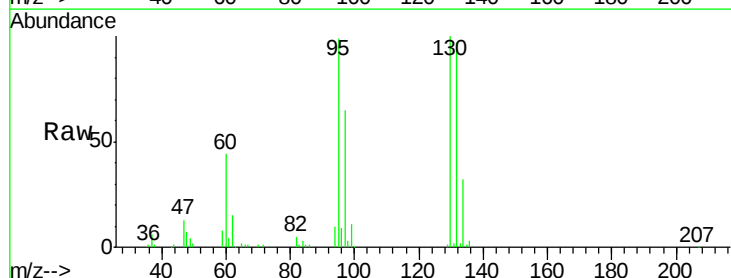
Acq: 20 May 2020 22:07

Tgt Ion: 130 Resp: 204803

Ion Ratio Lower Upper

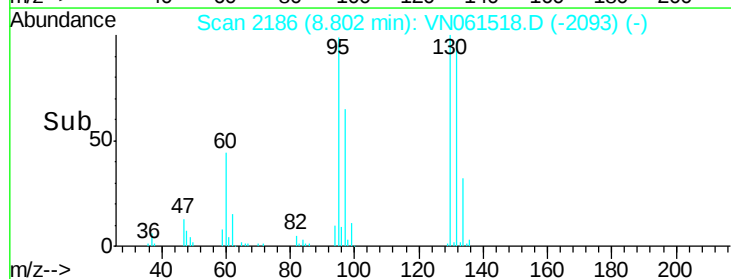
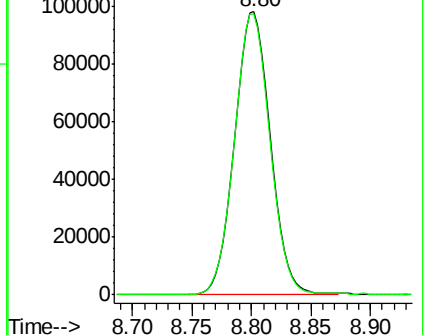
130 100

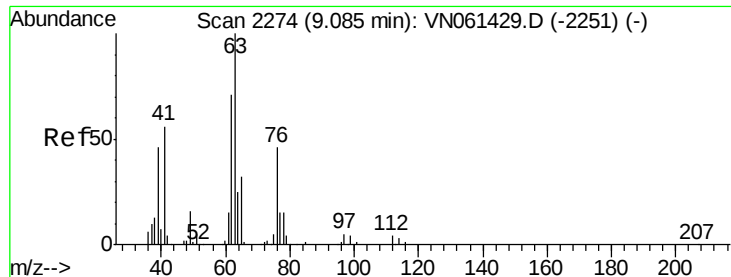
95 99.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)

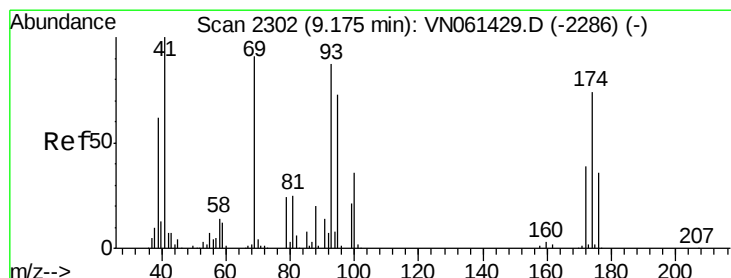
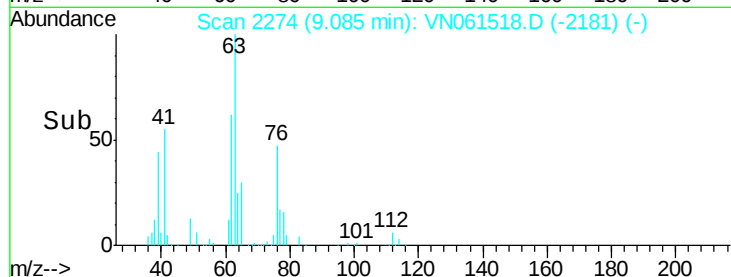
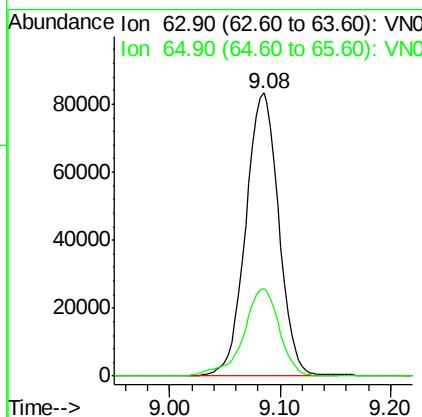
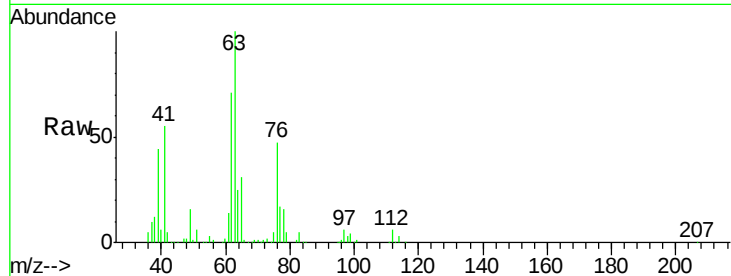




#45
 1,2-Dichloropropane
 Concen: 43.451 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

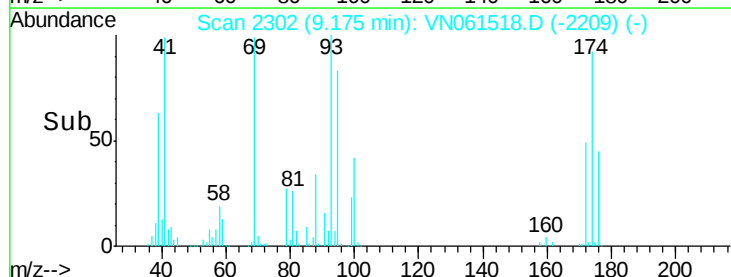
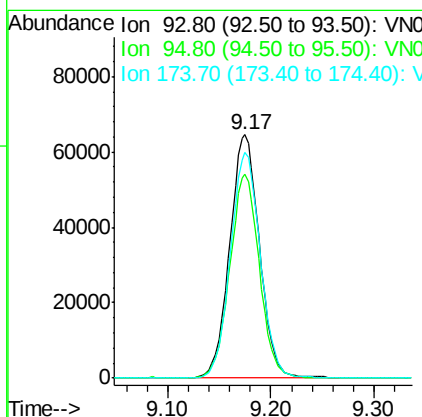
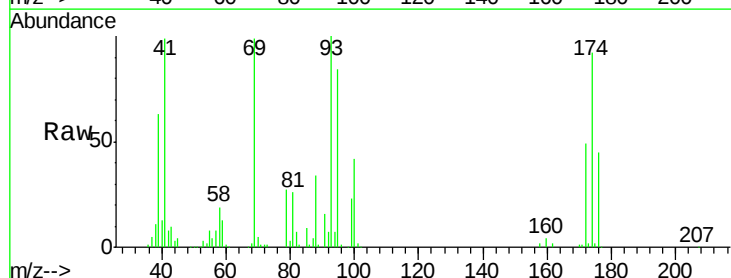
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

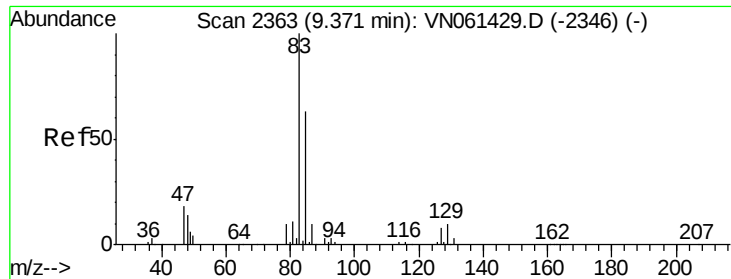
Tot Ion: 63 Resp: 172768
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 46.504 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 93 Resp: 129627
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.6 98.4
 174 93.4 68.0 102.0

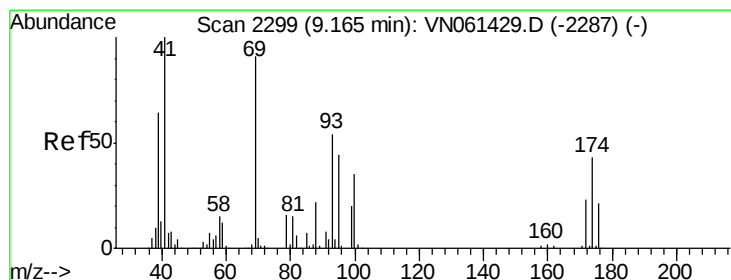
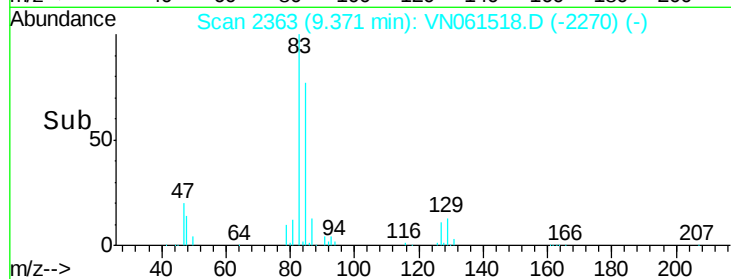
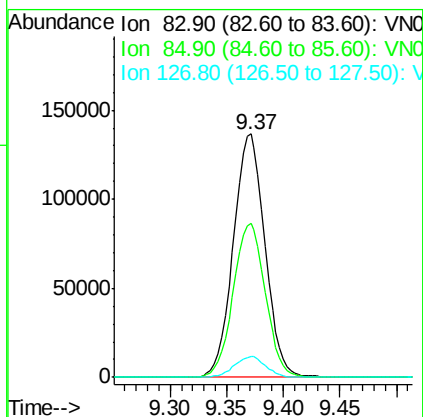
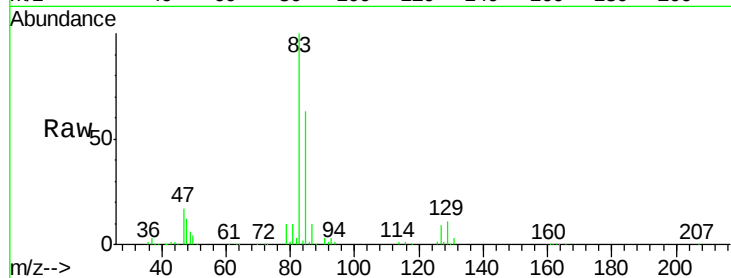




#47
 Bromodichloromethane
 Concen: 45.296 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

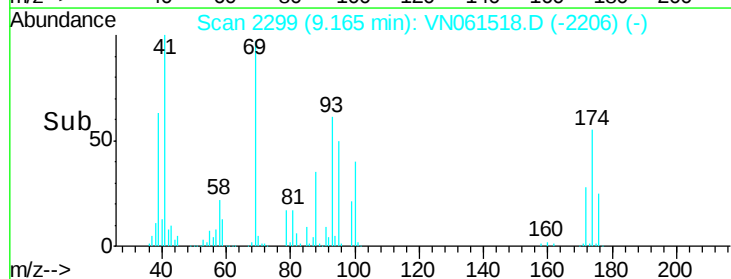
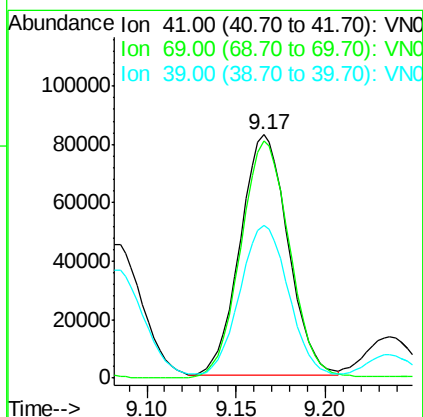
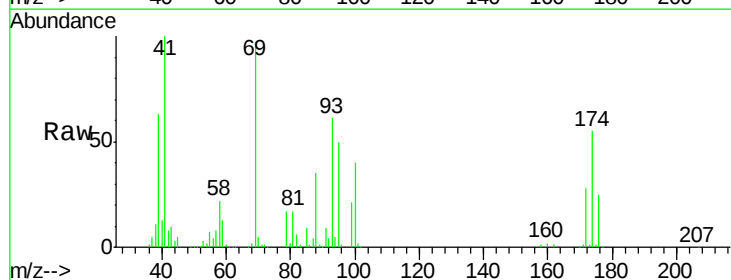
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

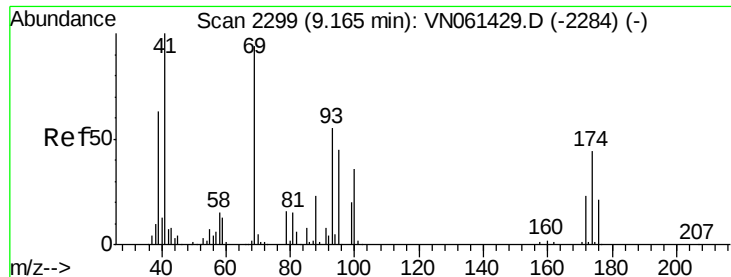
Tot Ion: 83 Resp: 266021
 Ion Ratio Lower Upper
 83 100
 85 63.3 50.6 76.0
 127 8.6 6.1 9.1



#48
 Methyl methacrylate
 Concen: 40.226 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 41 Resp: 154939
 Ion Ratio Lower Upper
 41 100
 69 101.8 75.3 112.9
 39 65.4 52.6 79.0

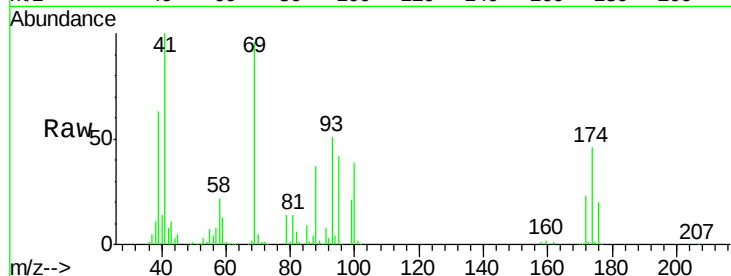




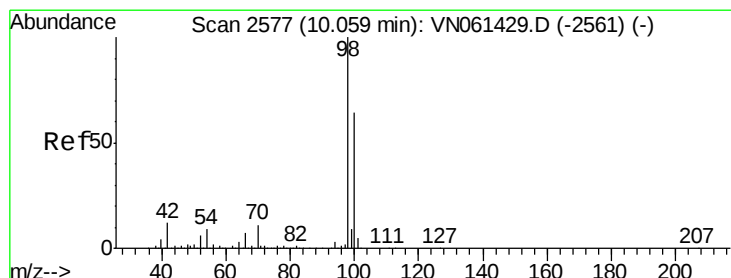
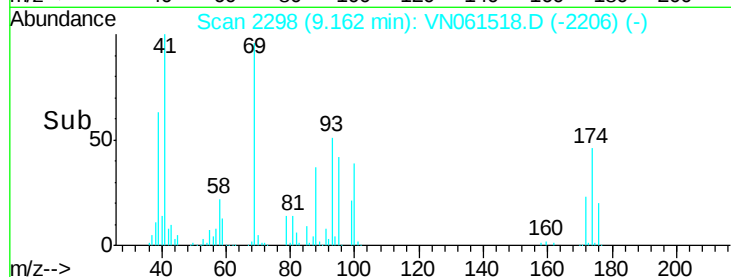
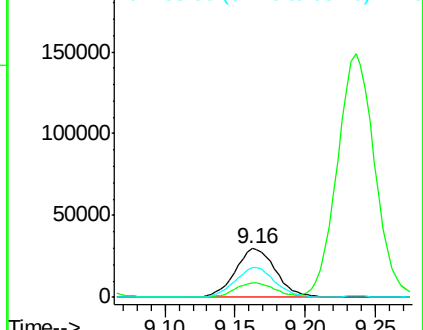
#49
1,4-Dioxane
Concen: 1492.652 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 59718
Ion Ratio Lower Upper
88 100
43 29.6 26.3 39.5
58 60.5 54.1 81.1

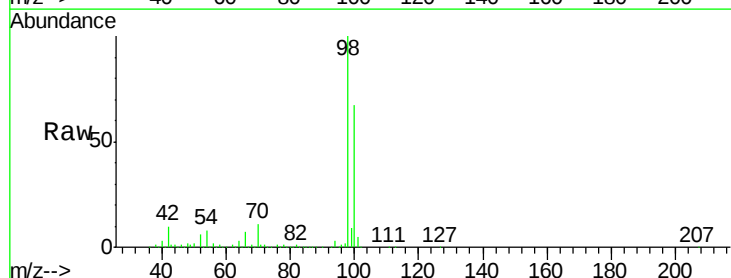


Abundance Ion 88.00 (87.70 to 88.70): VN061518.D (-2298) (-)
Ion 43.00 (42.70 to 43.70): VN061518.D (-2298) (-)
Ion 58.00 (57.70 to 58.70): VN061518.D (-2298) (-)

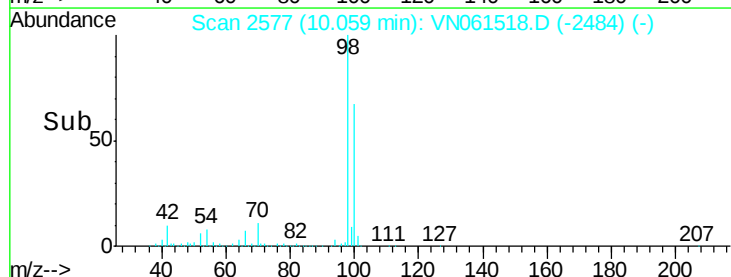
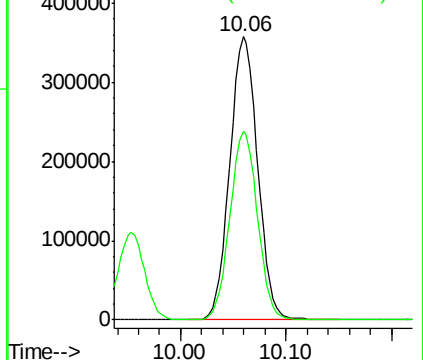


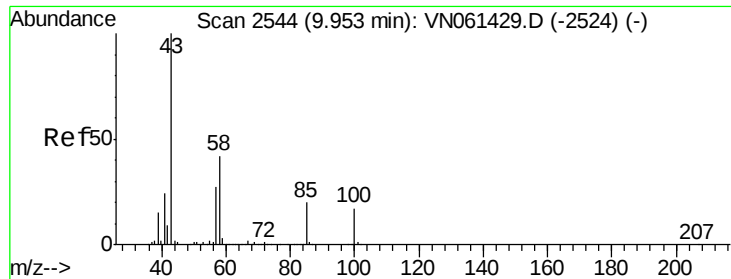
#50
Toluene-d8
Concen: 47.687 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 98 Resp: 653227
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN061518.D (-2484) (-)
Ion 100.00 (99.70 to 100.70): VN061518.D (-2484) (-)





#51

4-Methyl-2-Pentanone

Concen: 218.930 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

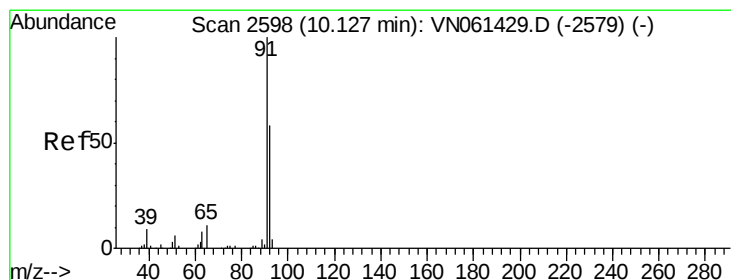
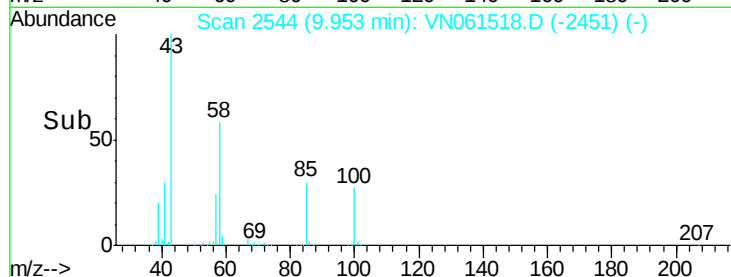
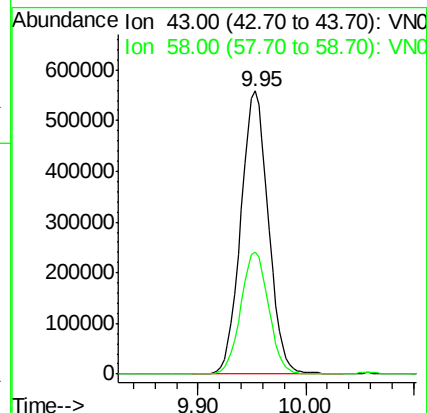
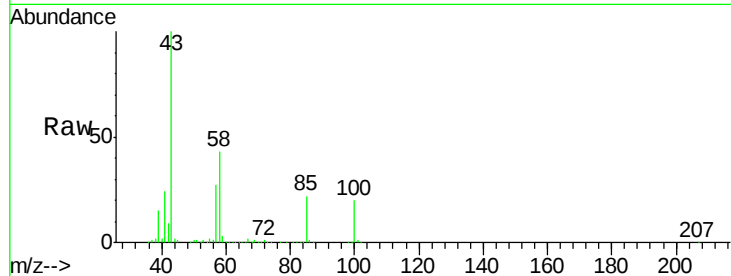
VSTDCCC050EC

Tot Ion: 43 Resp: 994390

Ion Ratio Lower Upper

43 100

58 43.8 33.4 50.2



#52

Toluene

Concen: 47.154 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN061518.D

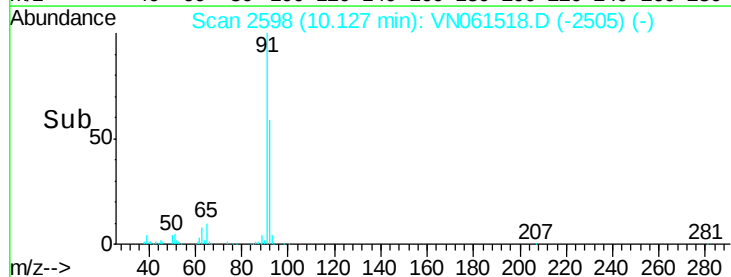
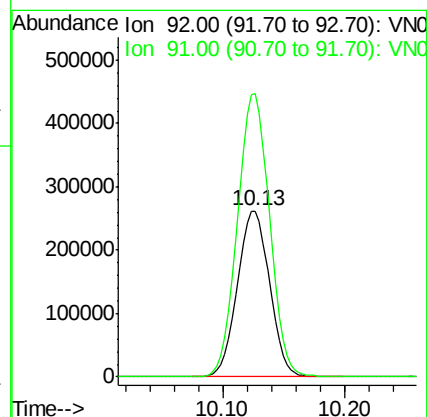
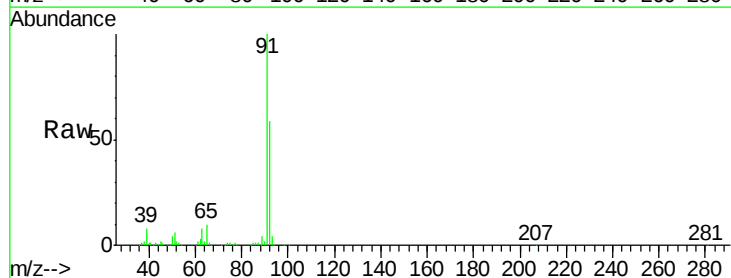
Acq: 20 May 2020 22:07

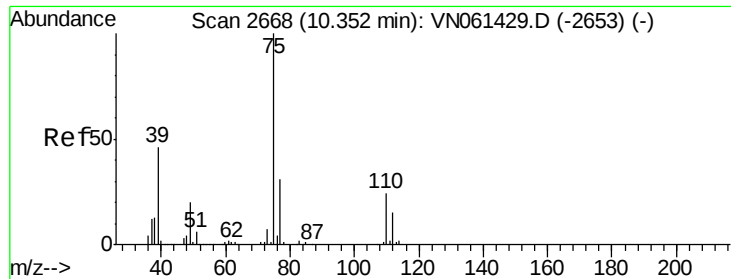
Tgt Ion: 92 Resp: 480905

Ion Ratio Lower Upper

92 100

91 170.3 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 44.935 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

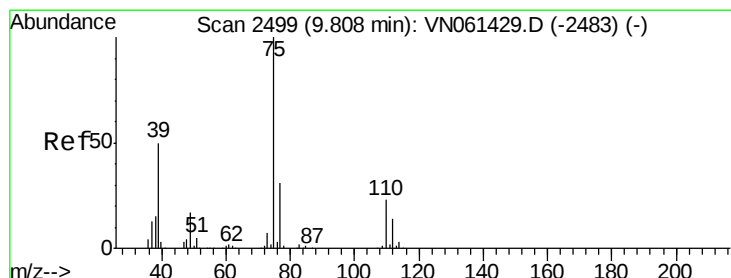
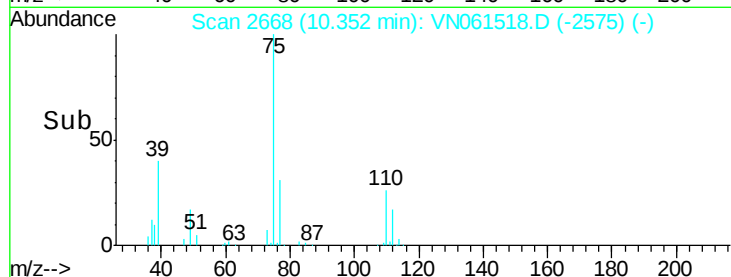
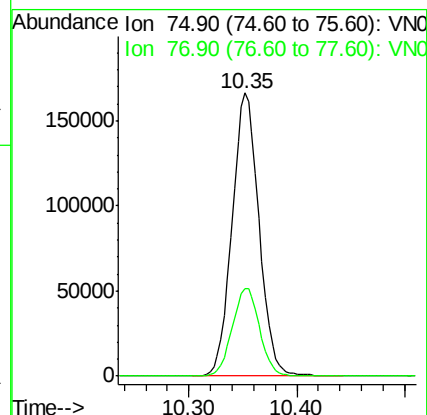
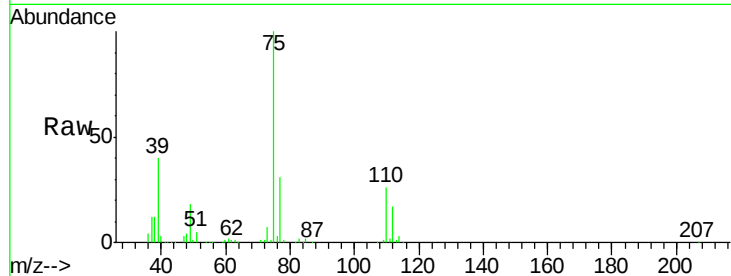
VSTDCCC050EC

Tot Ion: 75 Resp: 289245

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 43.915 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

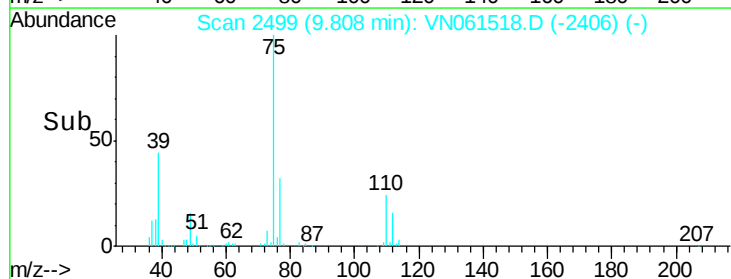
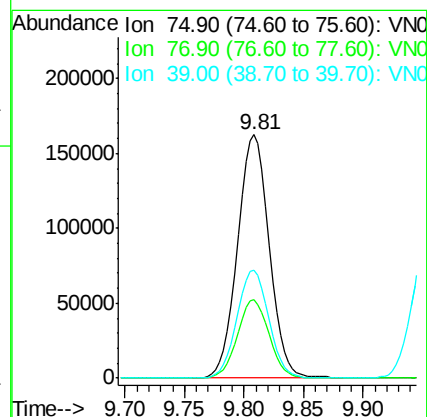
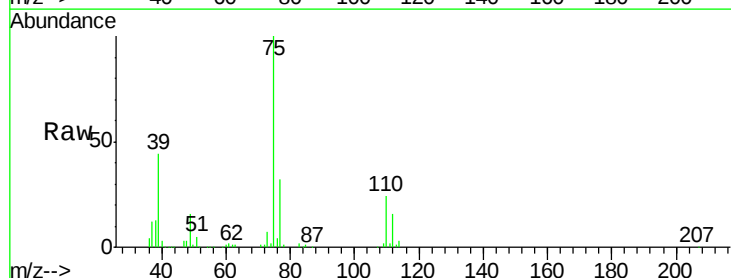
Tgt Ion: 75 Resp: 300495

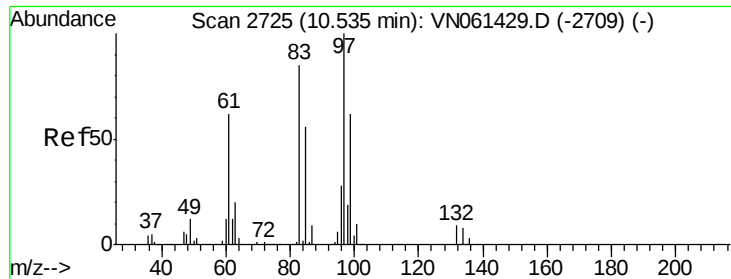
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 44.4 39.8 59.6

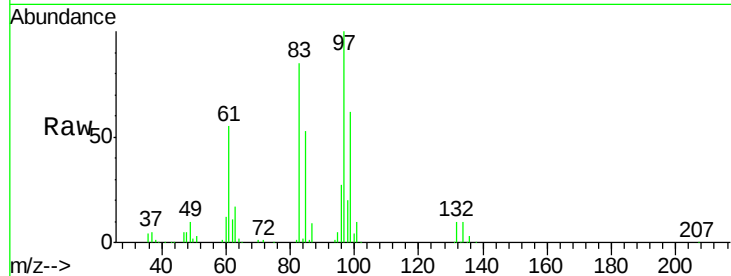




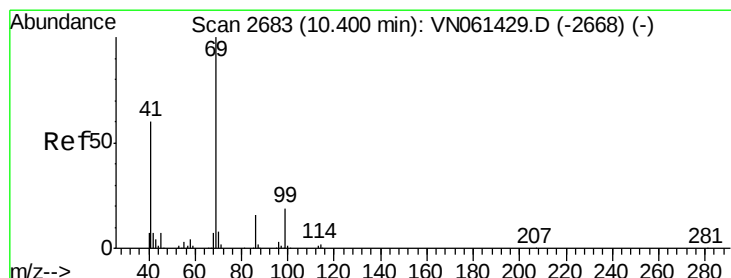
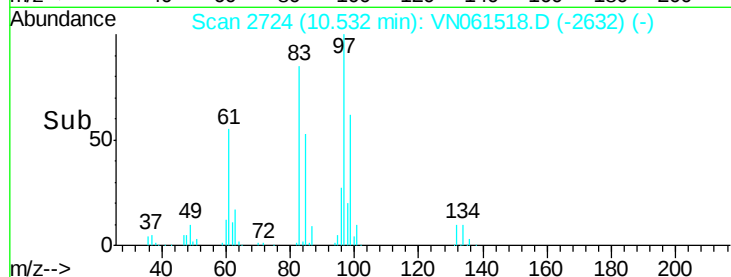
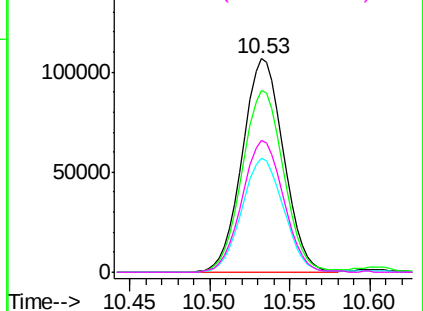
#55
 1,1,2-Trichloroethane
 Concen: 48.800 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	188162
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.2	102.4
85	53.3	44.6	67.0
99	61.7	49.5	74.3

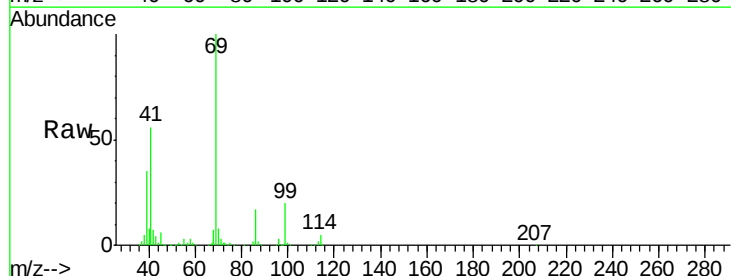


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

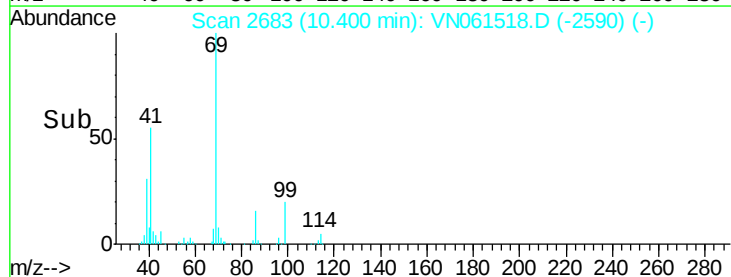
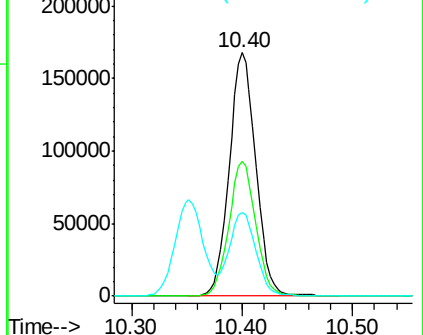


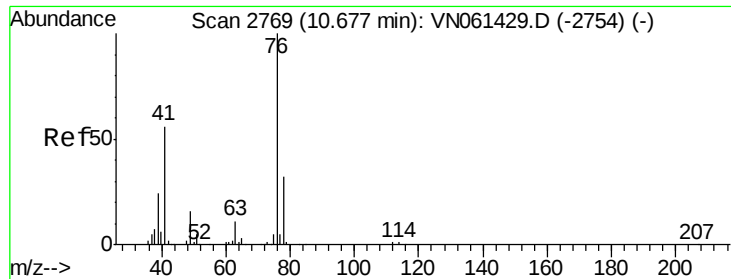
#56
 Ethyl methacrylate
 Concen: 46.393 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion:	69	Resp:	279663
Ion	Ratio	Lower	Upper
69	100		
41	55.3	48.3	72.5
39	34.7	30.2	45.2



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: 45.995 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

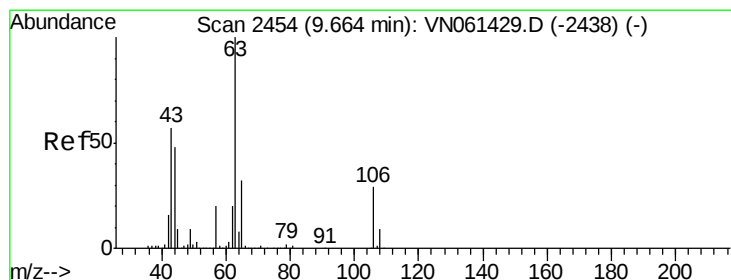
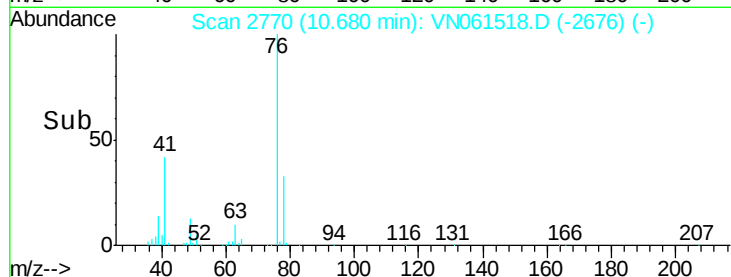
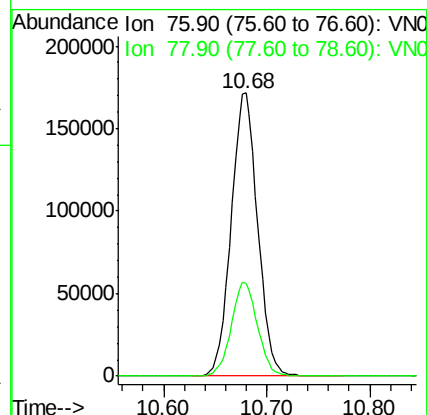
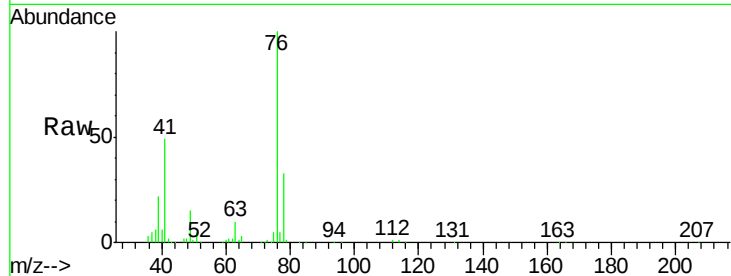
VSTDCCC050EC

Tot Ion: 76 Resp: 306493

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 228.794 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061518.D

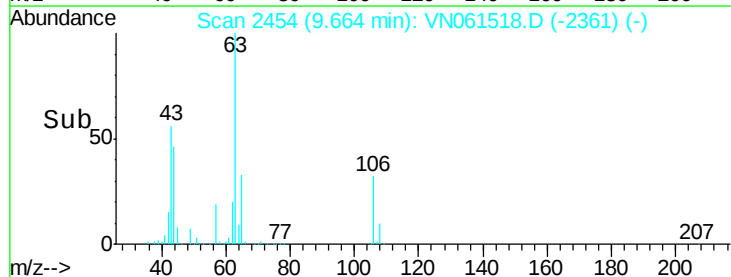
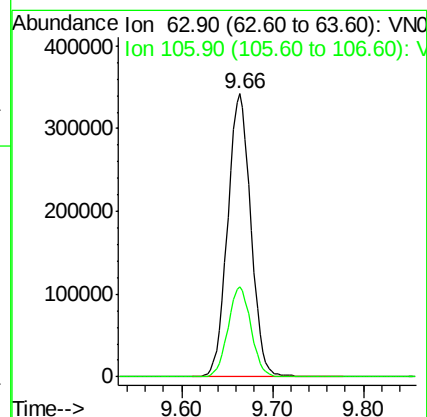
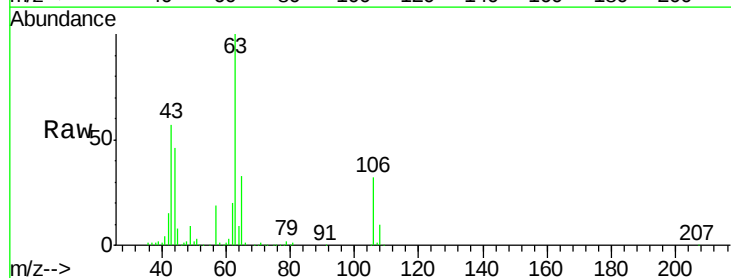
Acq: 20 May 2020 22:07

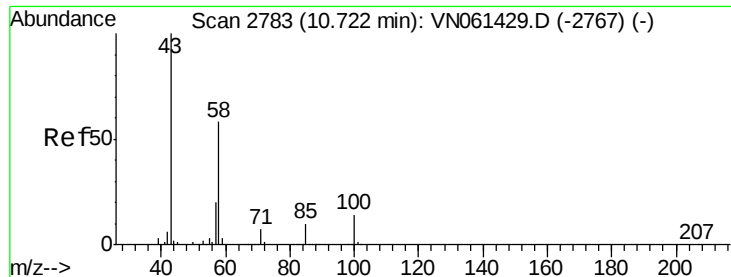
Tgt Ion: 63 Resp: 605382

Ion Ratio Lower Upper

63 100

106 31.7 22.7 34.1

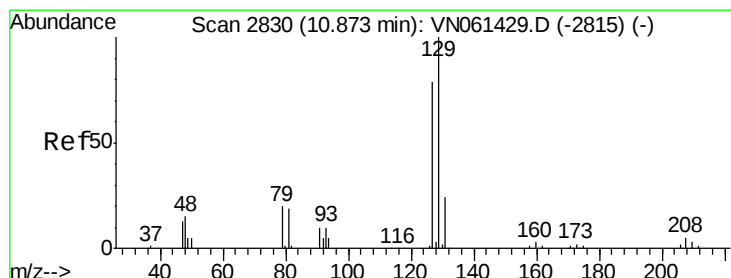
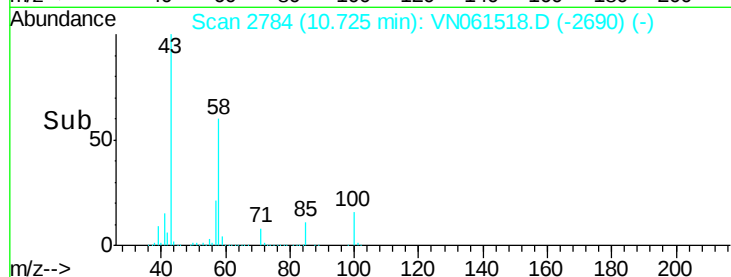
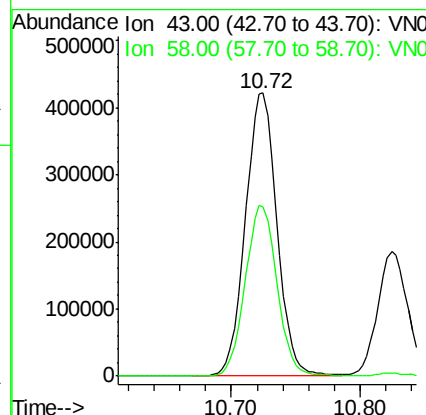
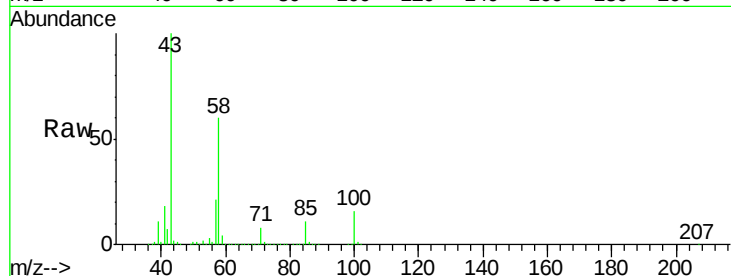




#59
2-Hexanone
Concen: 217.912 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

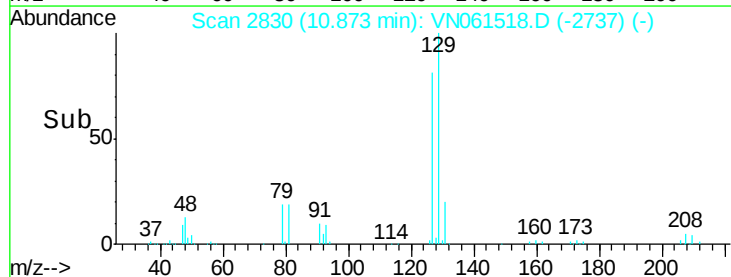
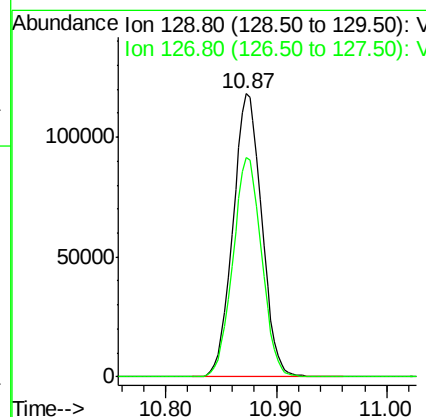
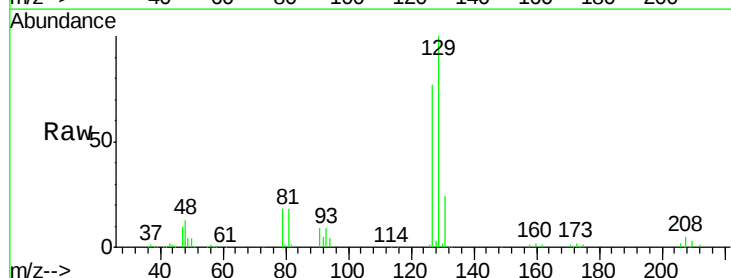
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

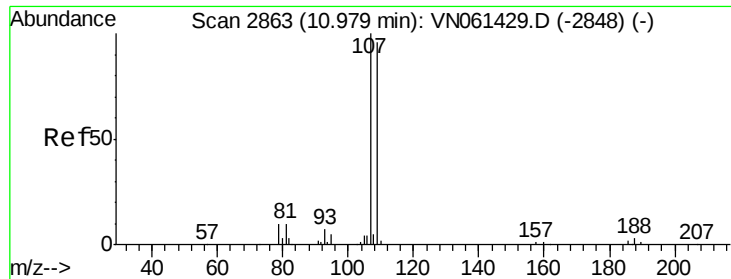
Tot Ion: 43 Resp: 716084
Ion Ratio Lower Upper
43 100
58 61.2 29.2 87.6



#60
Dibromochloromethane
Concen: 50.131 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion:129 Resp: 213813
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.548 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

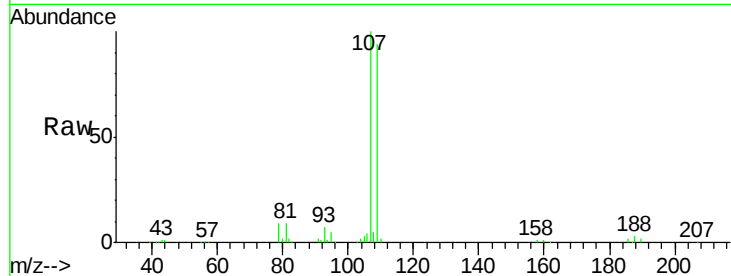
VSTDCCC050EC

Tot Ion:107 Resp: 200873

Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

120000

100000

80000

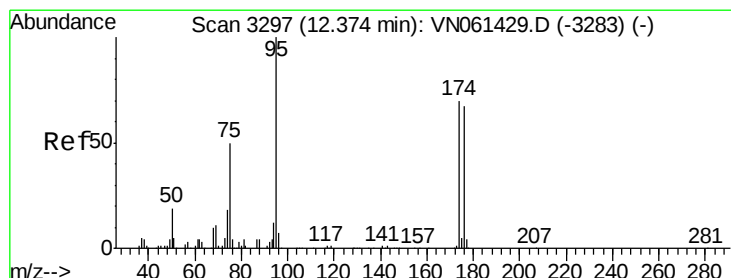
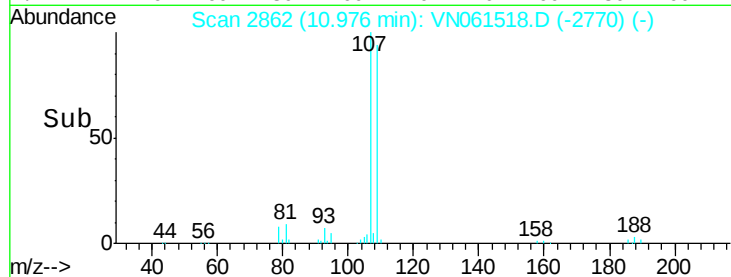
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.512 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

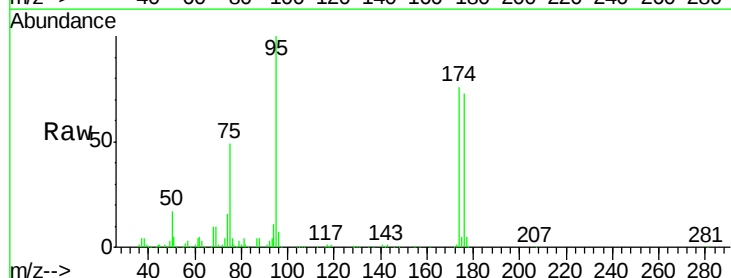
Tgt Ion: 95 Resp: 253389

Ion Ratio Lower Upper

95 100

174 77.1 0.0 141.2

176 74.5 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.37

200000

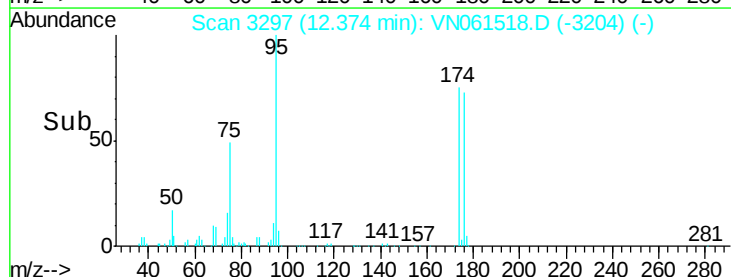
150000

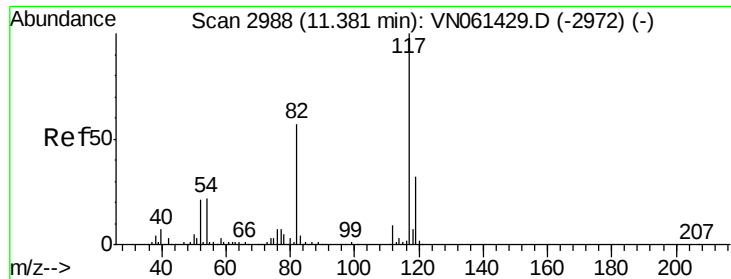
100000

50000

0

Time-->

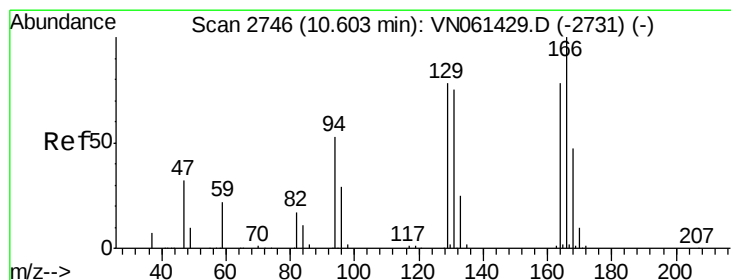
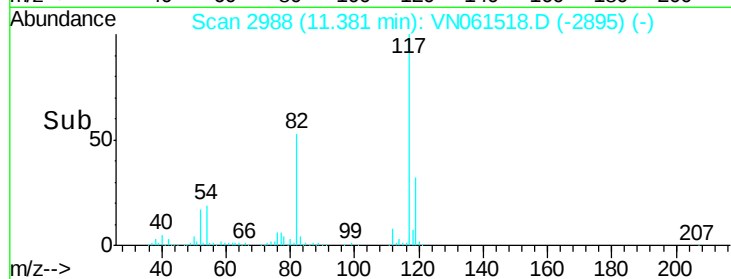
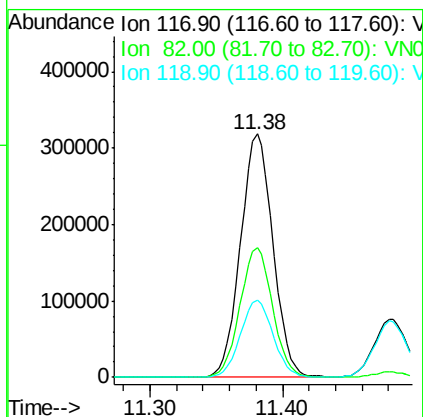
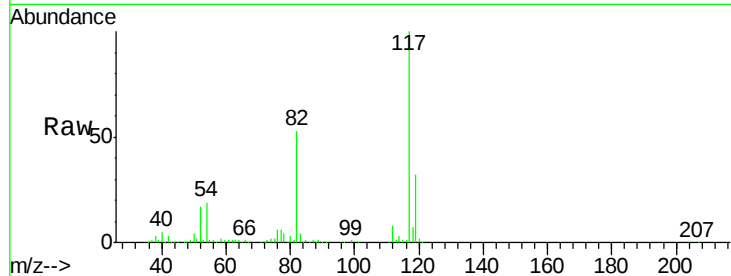




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

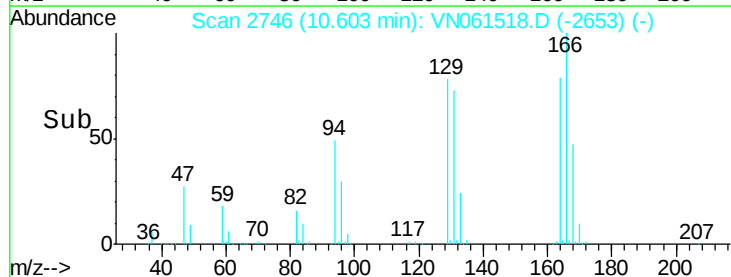
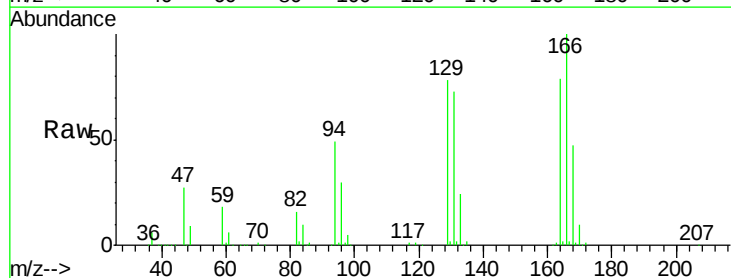
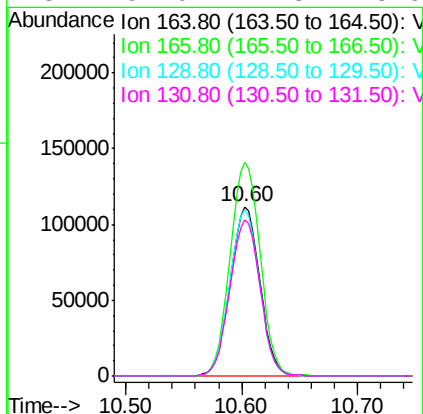
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

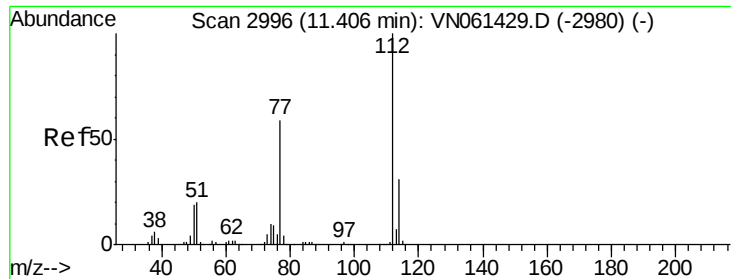
Tot Ion:117 Resp: 541645
Ion Ratio Lower Upper
117 100
82 53.2 45.2 67.8
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 47.116 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion:164 Resp: 197437
Ion Ratio Lower Upper
164 100
166 126.0 103.2 154.8
129 98.1 81.0 121.4
131 92.0 77.3 115.9





#65

Chlorobenzene

Concen: 47.410 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

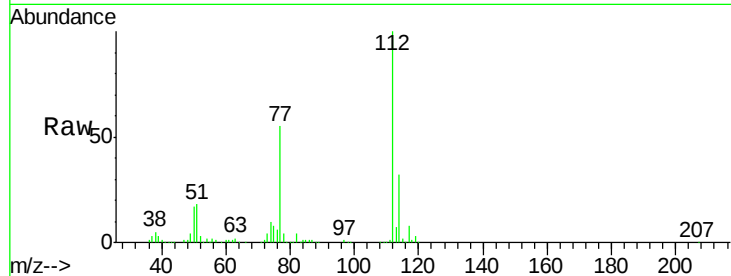
VSTDCCC050EC

Tot Ion:112 Resp: 523662

Ion Ratio Lower Upper

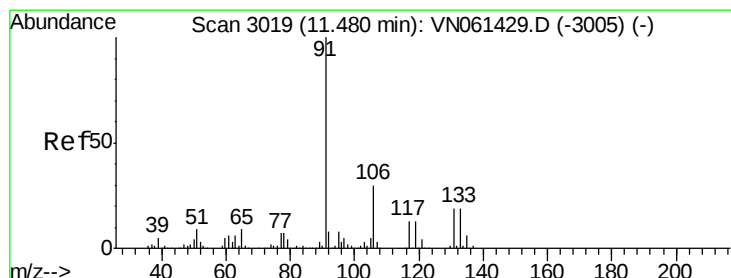
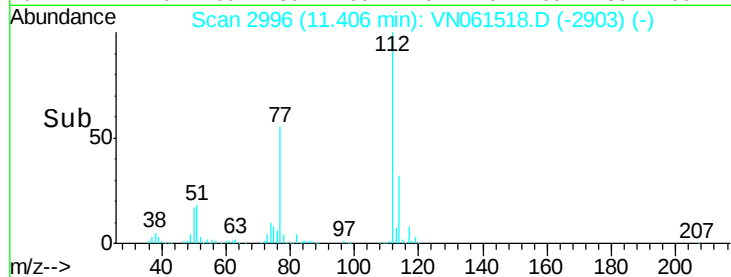
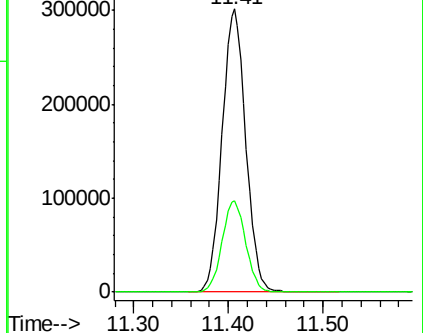
112 100

114 32.1 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.928 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

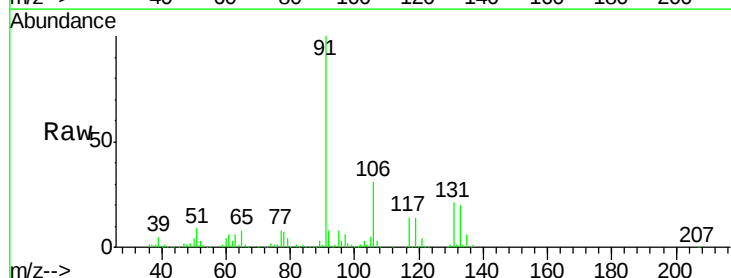
Tgt Ion:131 Resp: 193744

Ion Ratio Lower Upper

131 100

133 95.7 48.7 146.1

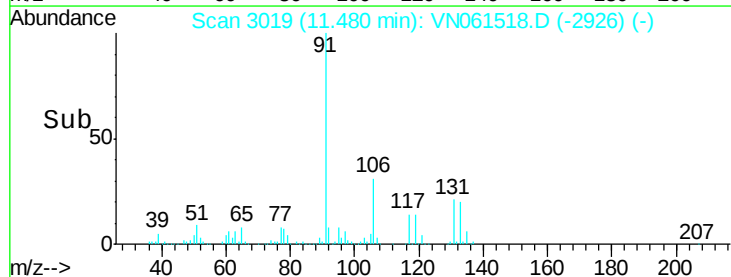
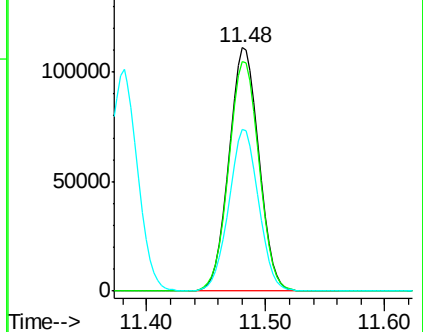
119 66.1 33.8 101.3

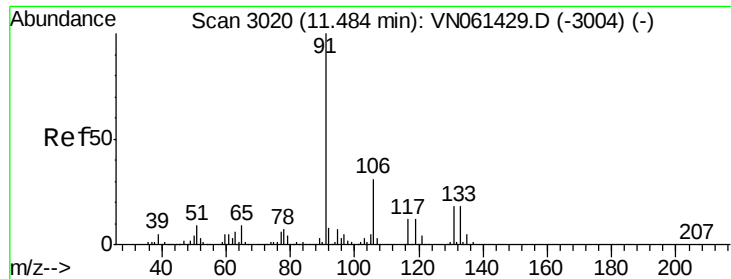


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

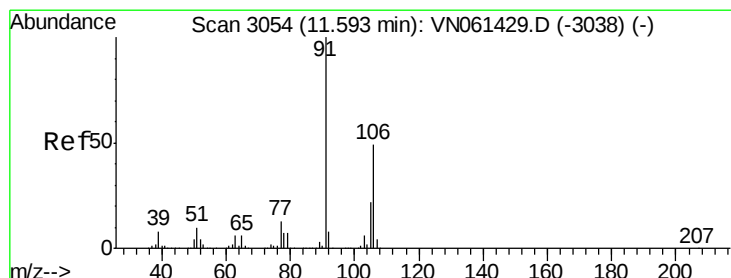
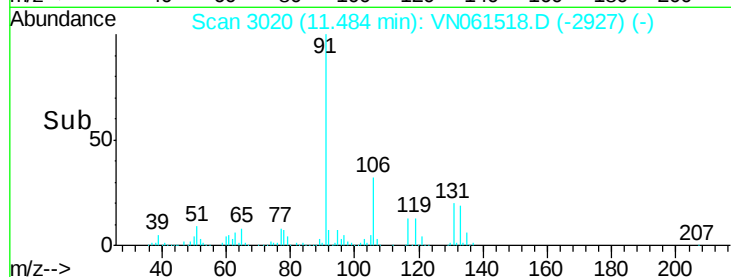
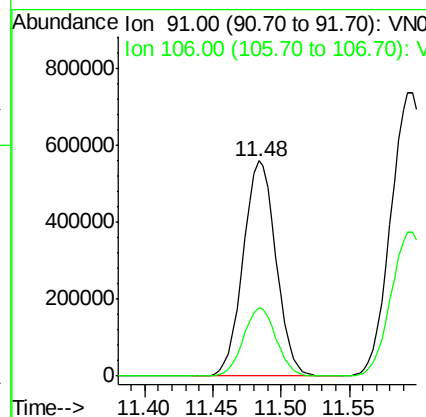
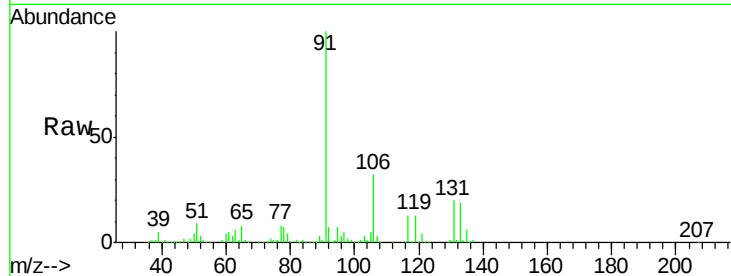




#67
Ethyl Benzene
Concen: 46.353 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

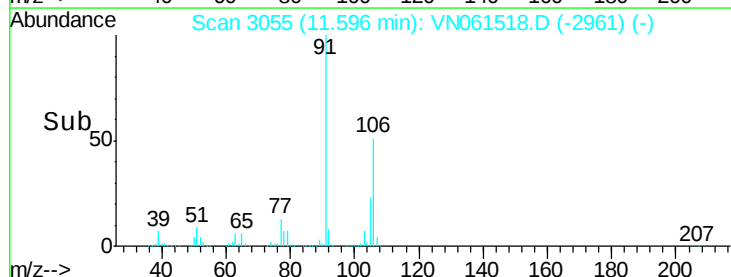
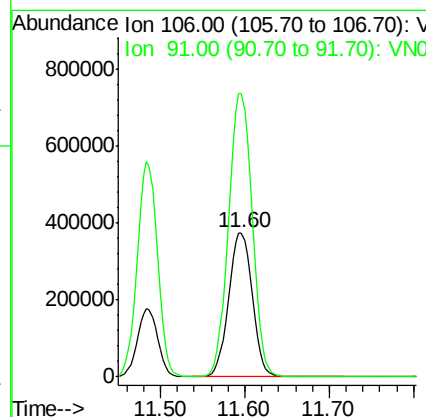
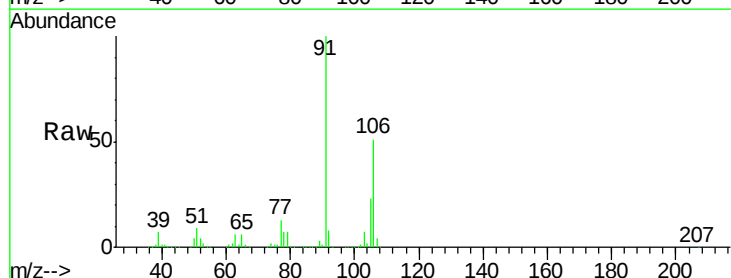
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

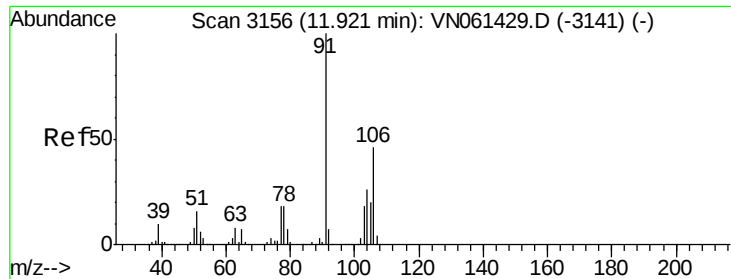
Tot Ion: 91 Resp: 934570
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 95.319 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 106 Resp: 729474
Ion Ratio Lower Upper
106 100
91 197.1 163.0 244.6

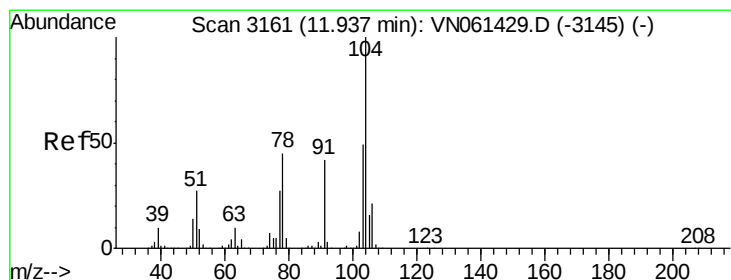
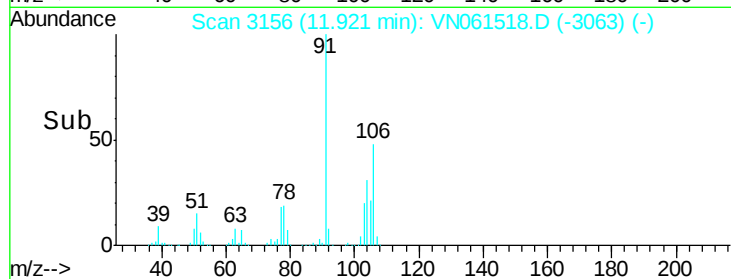
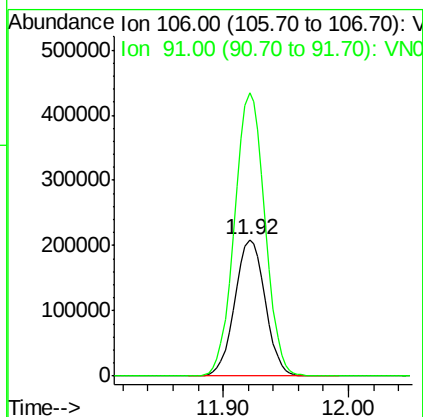
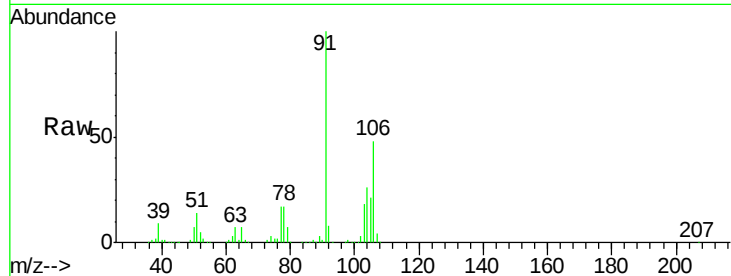




#69
o-Xylene
Concen: 47.510 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

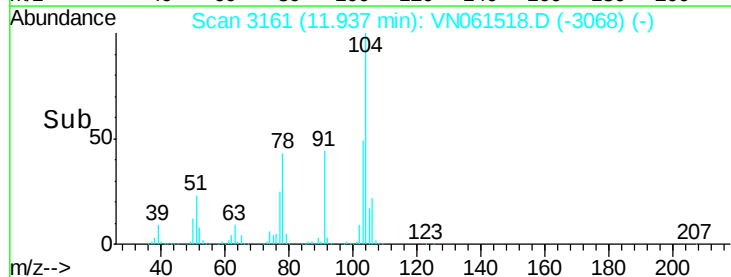
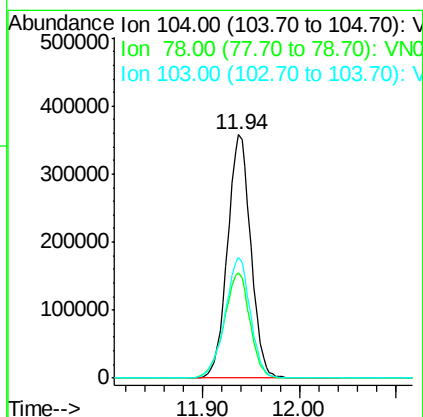
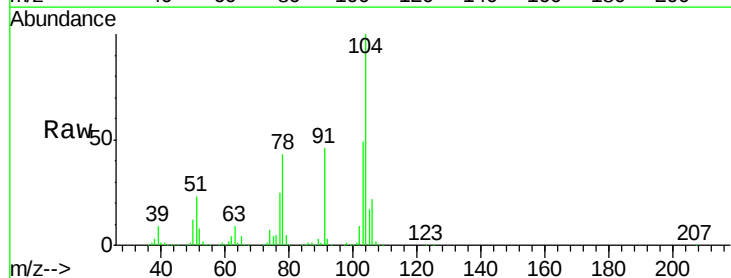
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

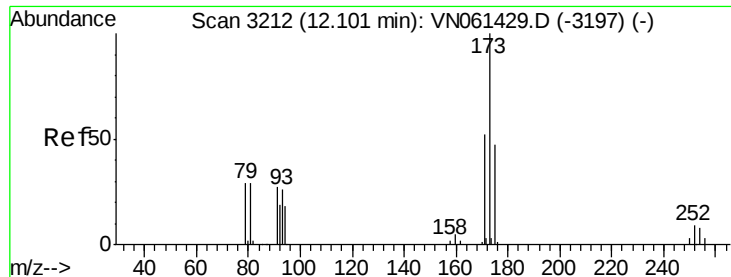
Tot Ion:106 Resp: 351859
Ion Ratio Lower Upper
106 100
91 208.0 107.9 323.7



#70
Styrene
Concen: 48.802 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion:104 Resp: 598504
Ion Ratio Lower Upper
104 100
78 47.9 40.7 61.1
103 53.5 43.0 64.4





#71

Bromoform

Concen: 47.037 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

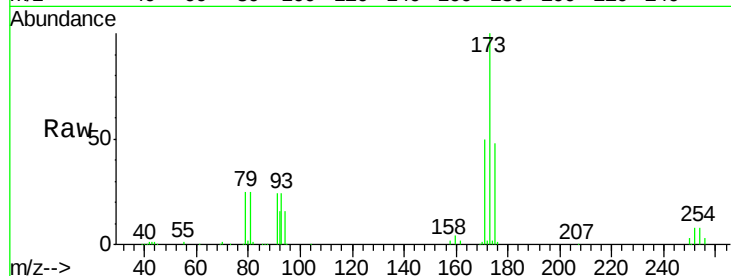
Tot Ion:173 Resp: 144454

Ion Ratio Lower Upper

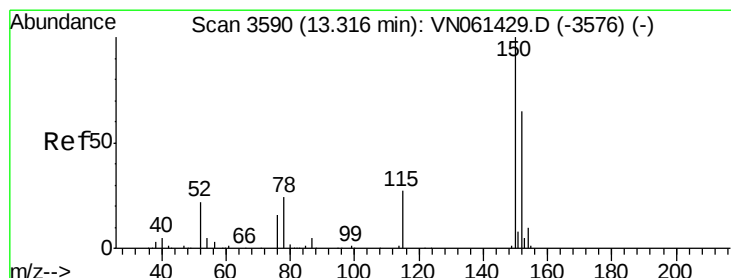
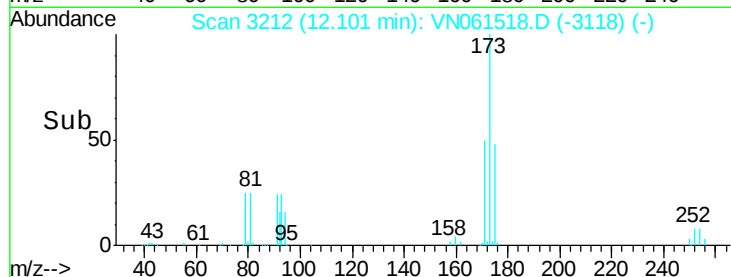
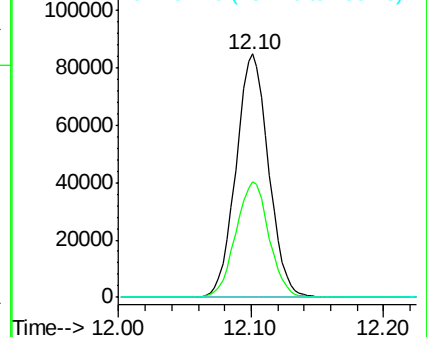
173 100

175 48.4 23.9 71.8

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: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

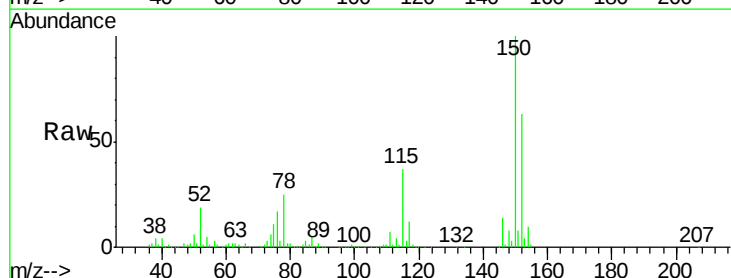
Tgt Ion:152 Resp: 272560

Ion Ratio Lower Upper

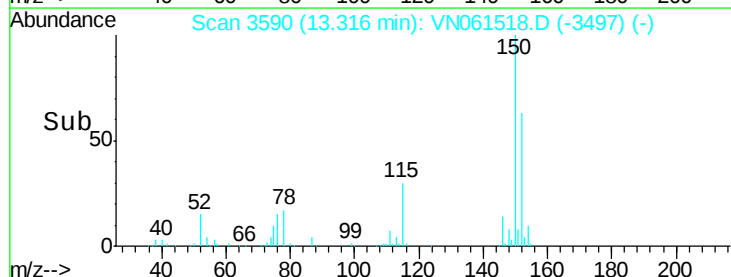
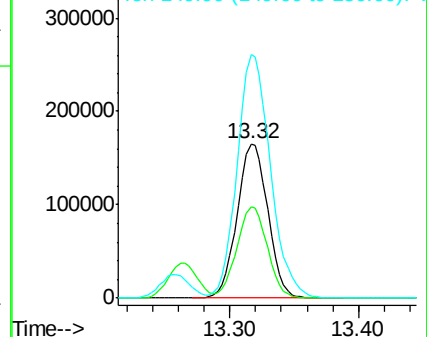
152 100

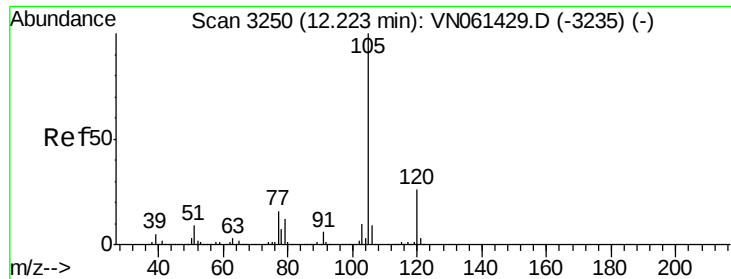
115 58.8 30.9 92.5

150 171.9 0.0 349.2



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

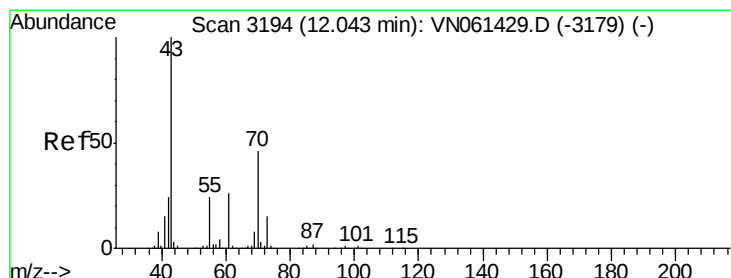
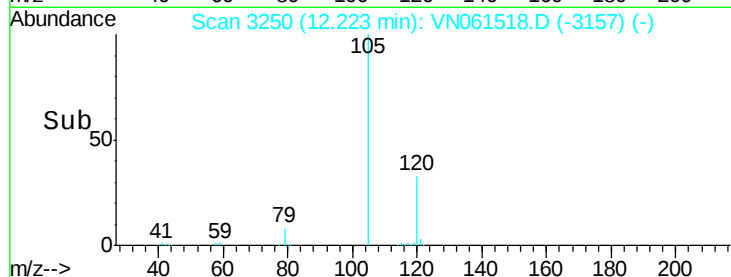
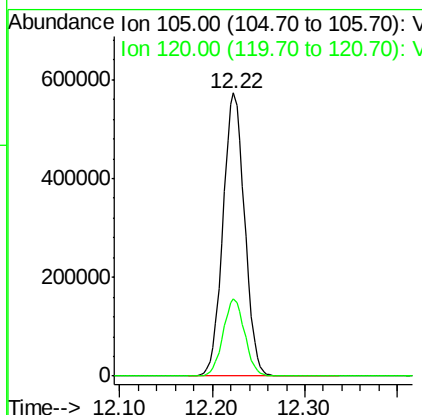
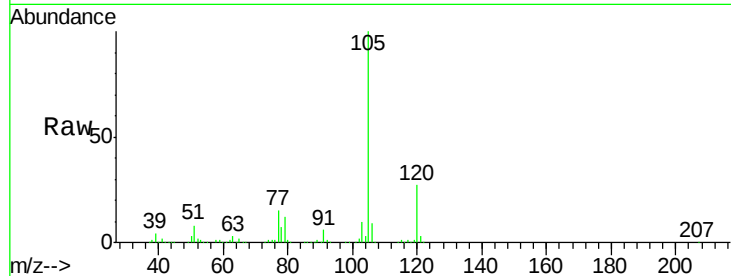




#73
Isopropylbenzene
Concen: 42.283 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

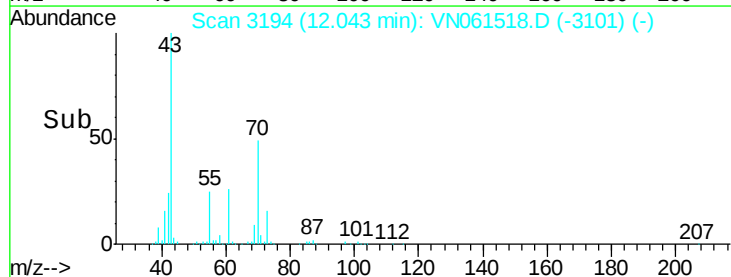
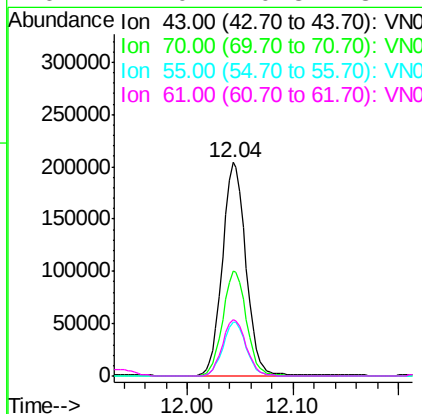
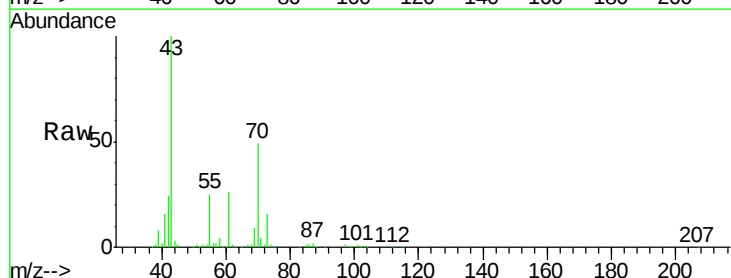
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

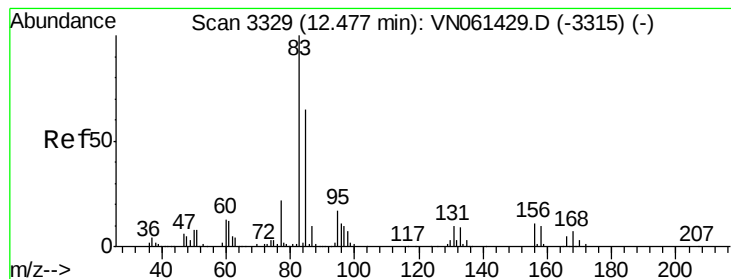
Tot Ion:105 Resp: 925186
Ion Ratio Lower Upper
105 100
120 27.2 13.0 39.0



#74
N-ethyl acetate
Concen: 39.193 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 43 Resp: 313902
Ion Ratio Lower Upper
43 100
70 49.7 37.0 55.4
55 25.2 19.5 29.3
61 27.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 42.509 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

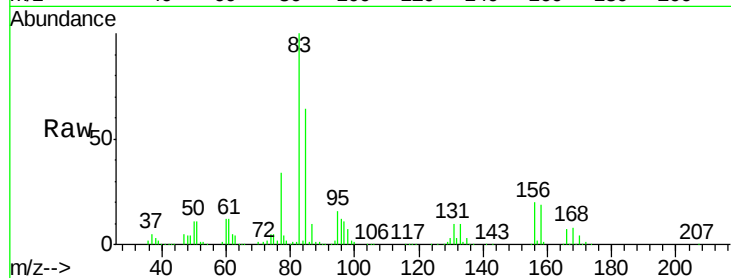
Tot Ion: 83 Resp: 255906

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.4

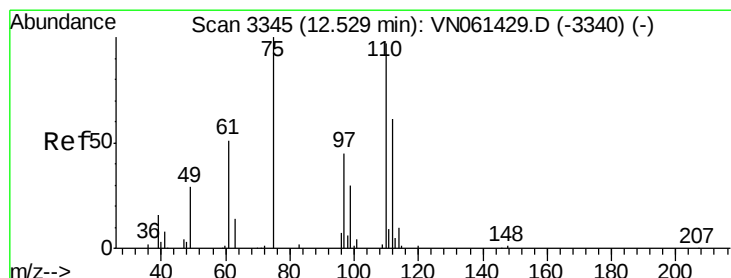
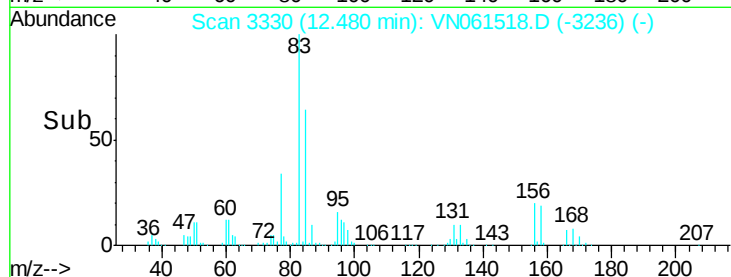
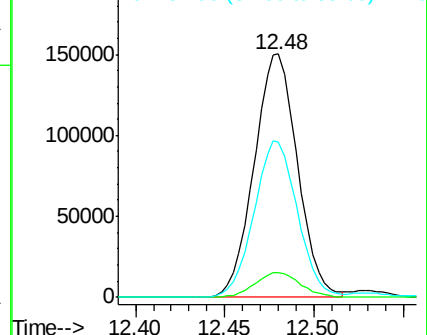
85 64.0 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061518.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061518.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061518.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 57.755 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061518.D

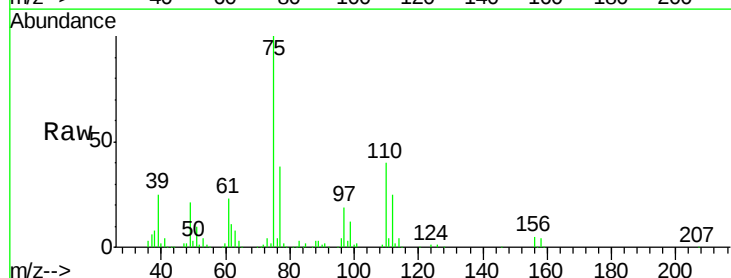
Acq: 20 May 2020 22:07

Tgt Ion: 75 Resp: 337778

Ion Ratio Lower Upper

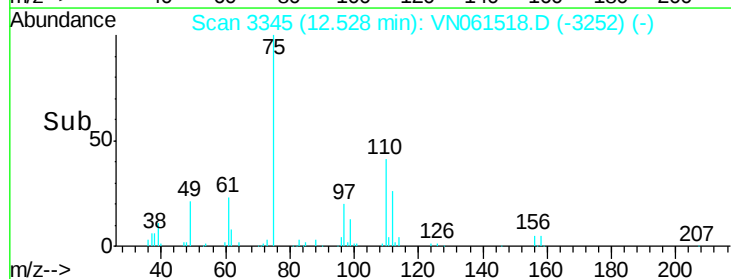
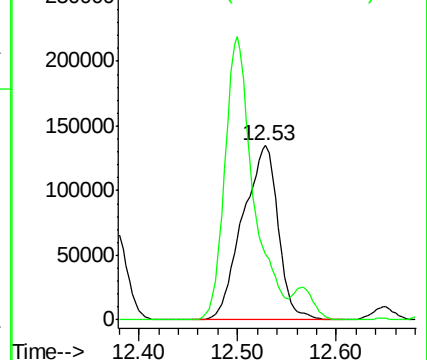
75 100

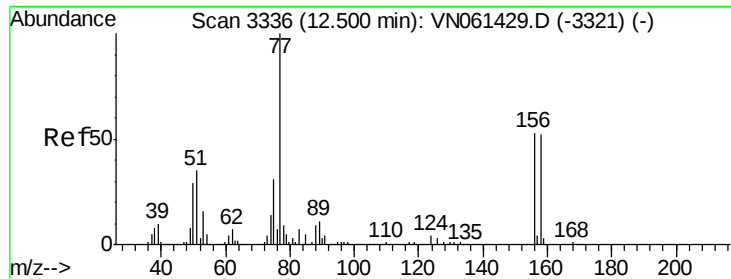
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061518.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061518.D (-3252) (-)

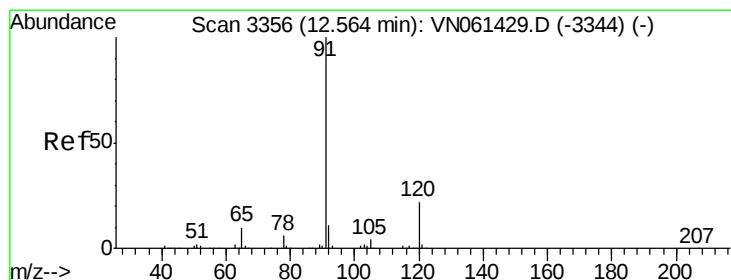
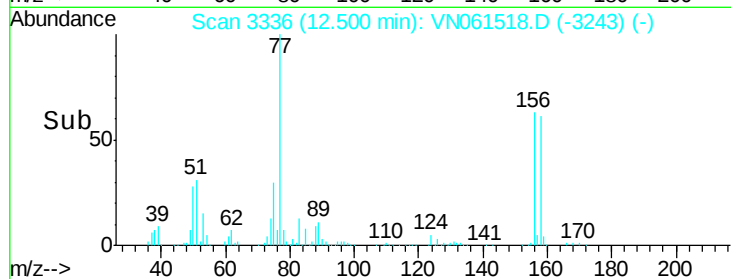
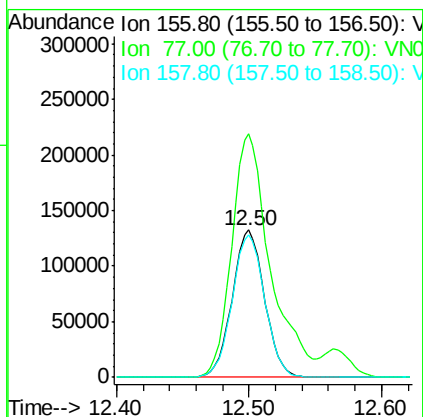
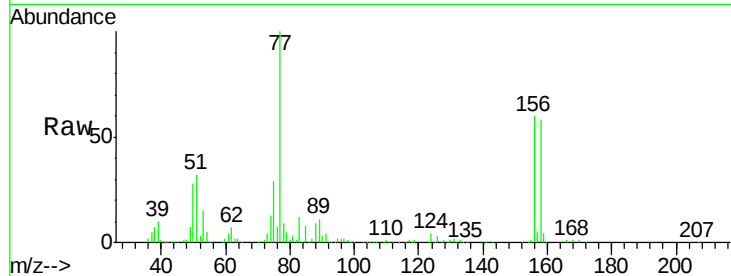




#77
Bromobenzene
Concen: 47.133 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

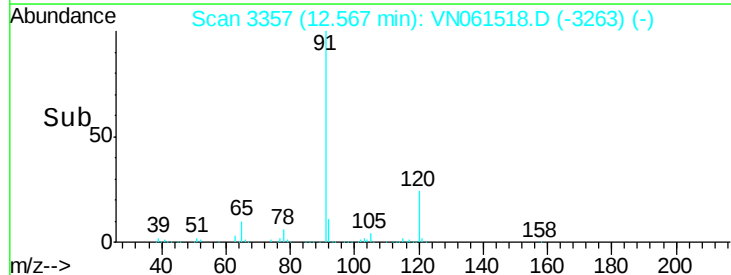
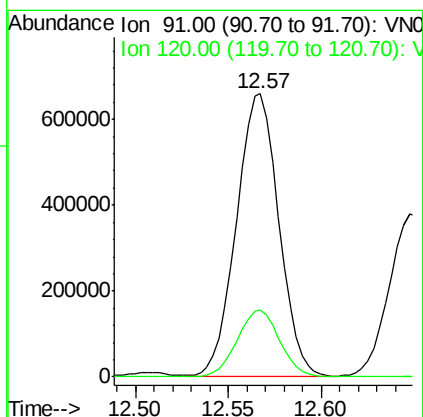
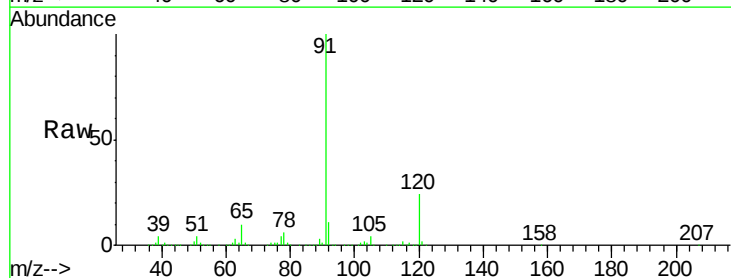
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 223820
Ion Ratio Lower Upper
156 100
77 198.9 112.3 336.9
158 97.6 47.9 143.6



#78
n-propylbenzene
Concen: 41.627 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 91 Resp: 1037802
Ion Ratio Lower Upper
91 100
120 23.7 11.2 33.6

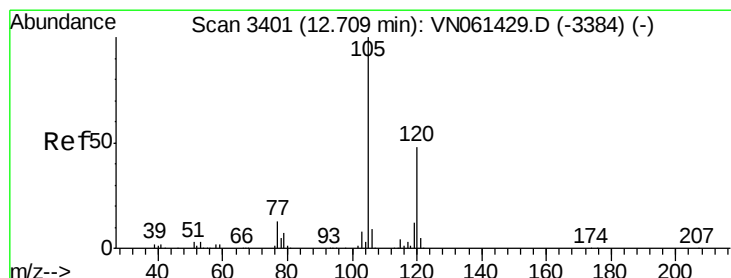
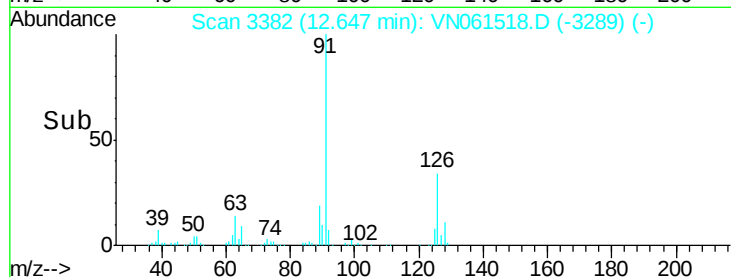
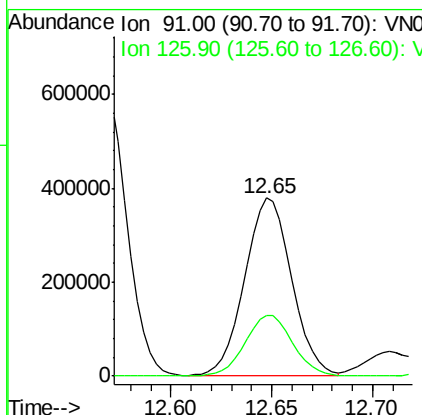
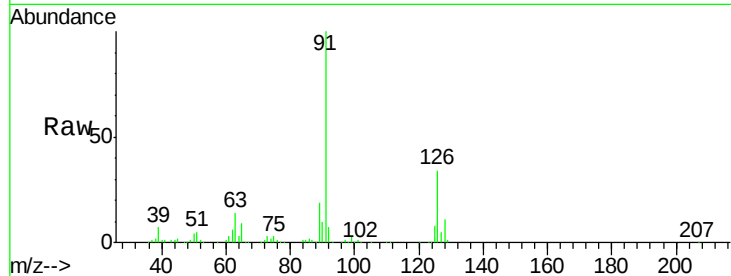




#79
 2-Chlorotoluene
 Concen: 41.807 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

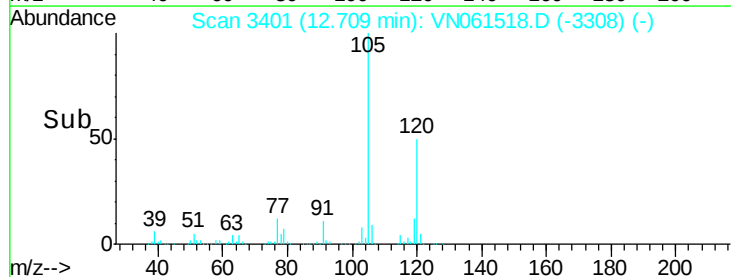
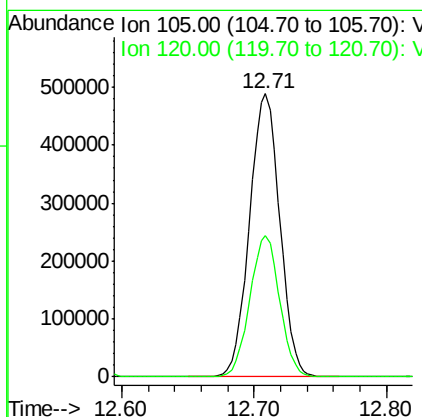
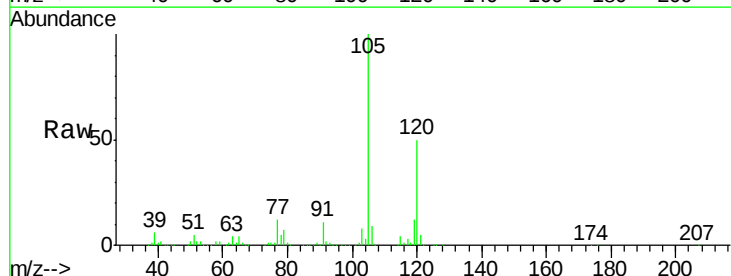
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 616088
 Ion Ratio Lower Upper
 91 100
 126 34.8 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 43.110 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 105 Resp: 772357
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.1 72.4

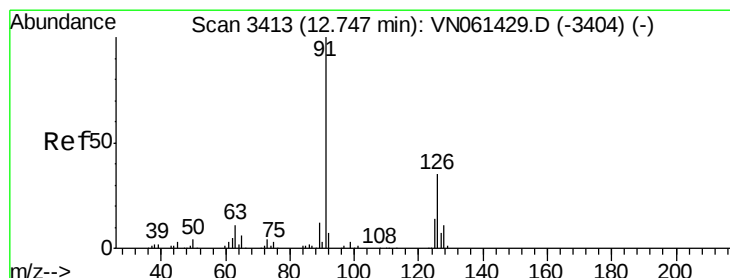
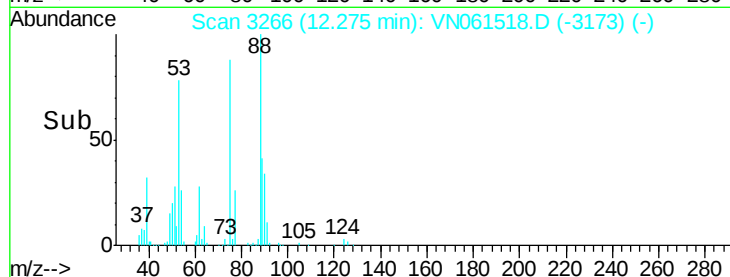
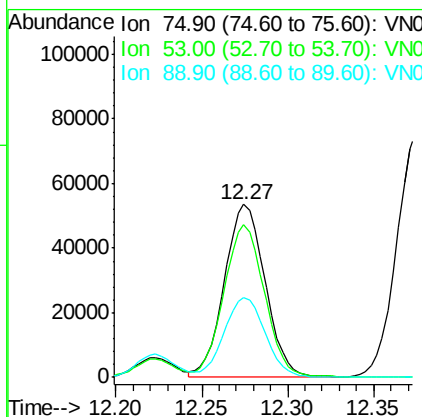
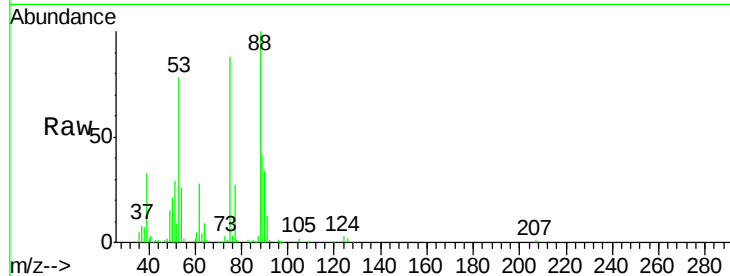




#81
trans-1,4-Dichloro-2-butene
Concen: 40.143 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

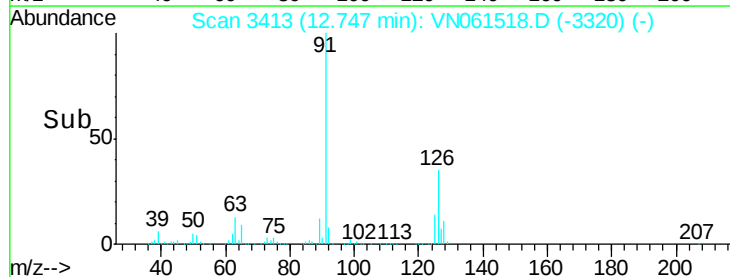
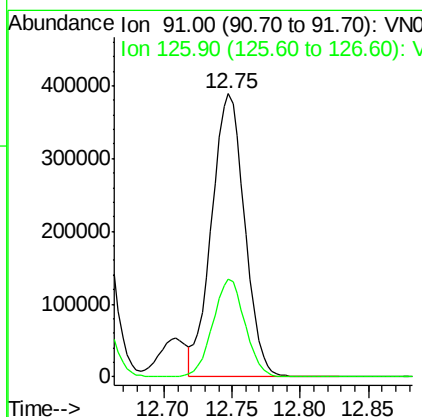
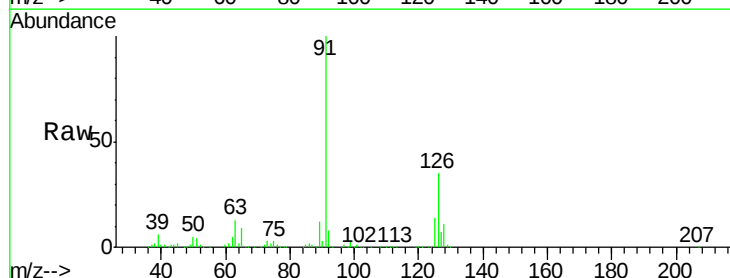
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

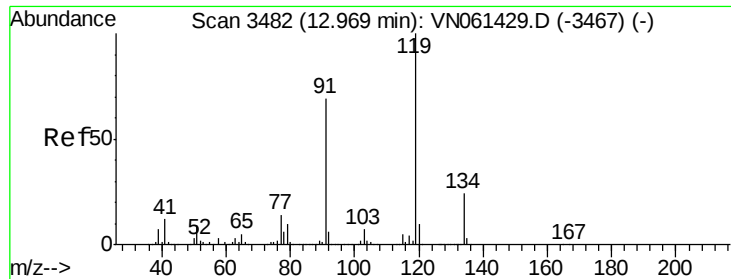
Tot Ion: 75 Resp: 88501
Ion Ratio Lower Upper
75 100
53 88.5 75.2 112.8
89 46.7 38.2 57.4



#82
4-Chlorotoluene
Concen: 42.731 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 91 Resp: 652014
Ion Ratio Lower Upper
91 100
126 33.8 16.1 48.2

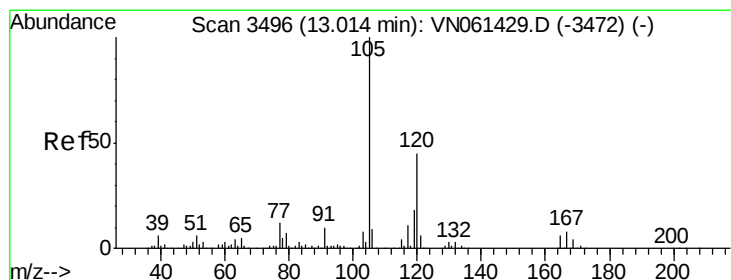
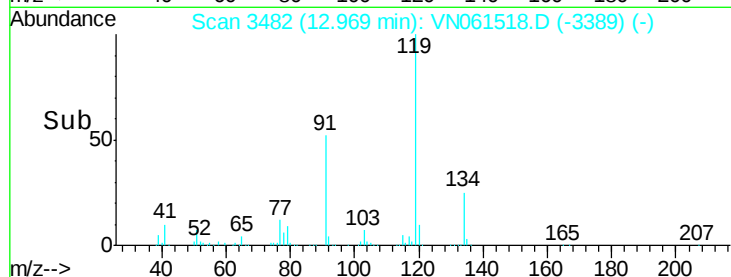
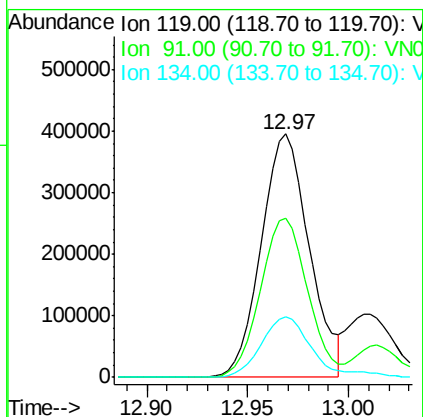
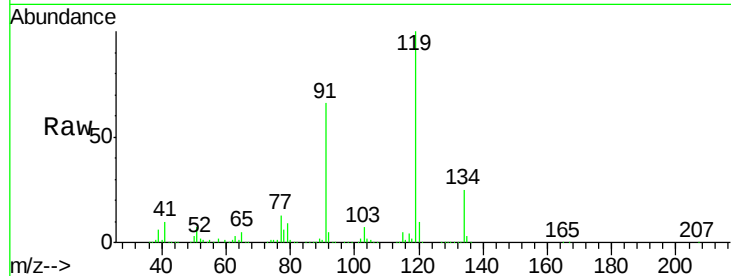




#83
 tert-Butylbenzene
 Concen: 42.728 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

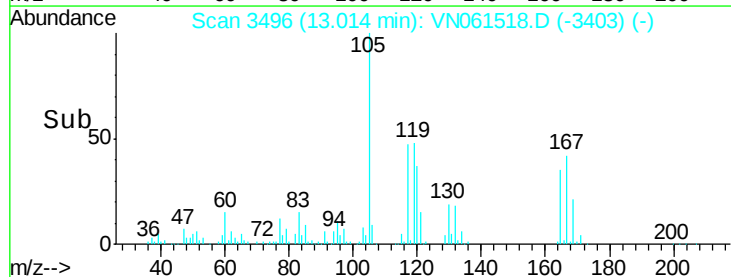
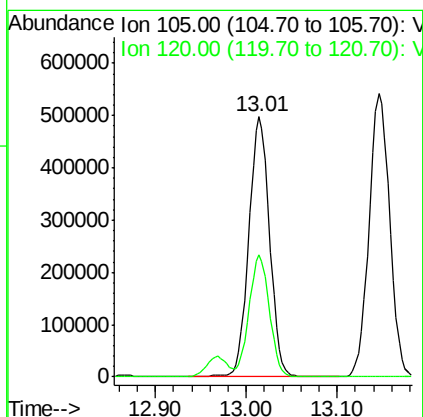
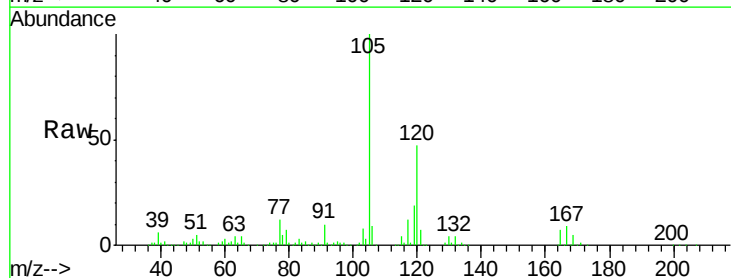
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

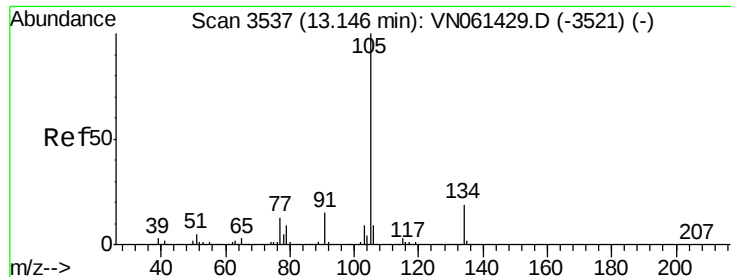
Tot Ion:119 Resp: 655715
 Ion Ratio Lower Upper
 119 100
 91 64.1 33.7 101.0
 134 26.5 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 43.982 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion:105 Resp: 788605
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.4 67.3

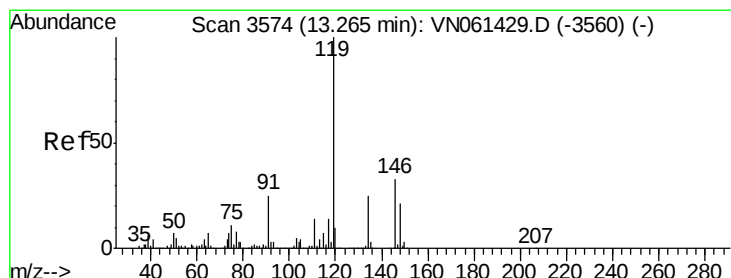
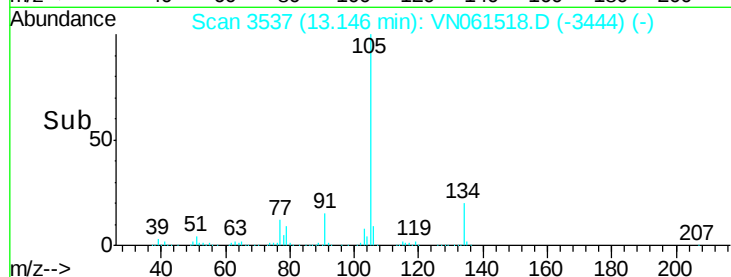
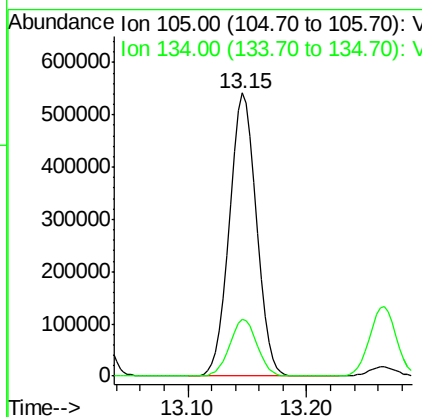
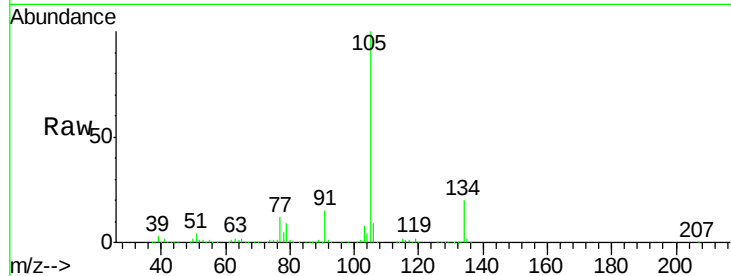




#85
 sec-Butylbenzene
 Concen: 41.046 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

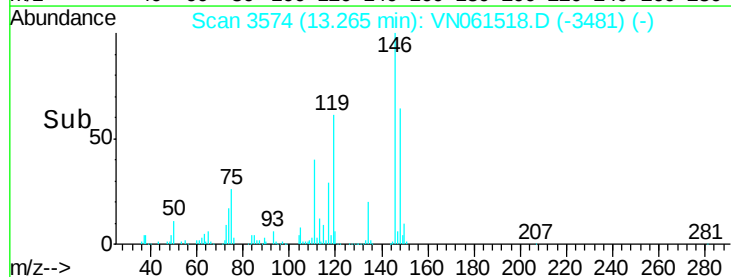
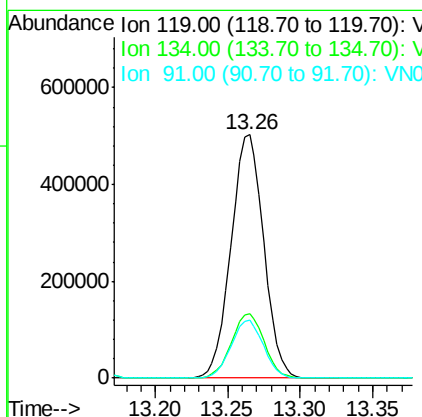
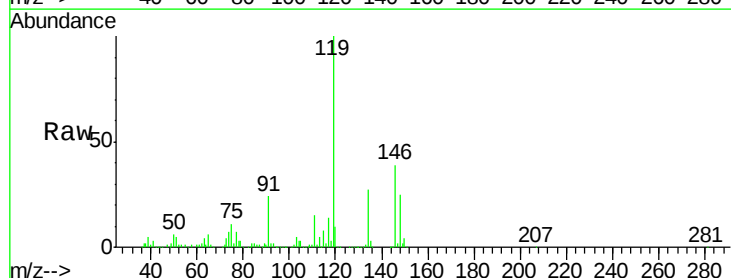
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

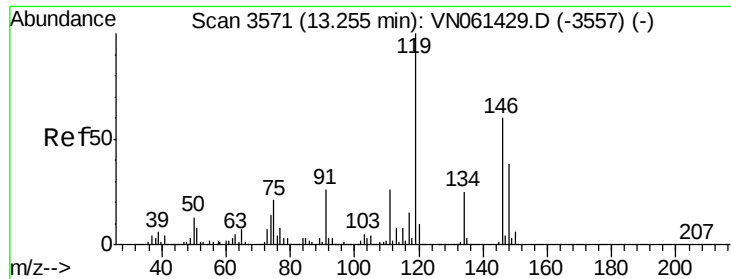
Tot Ion:105 Resp: 851766
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 42.492 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion:119 Resp: 783007
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.7 38.1
 91 23.5 12.6 37.6

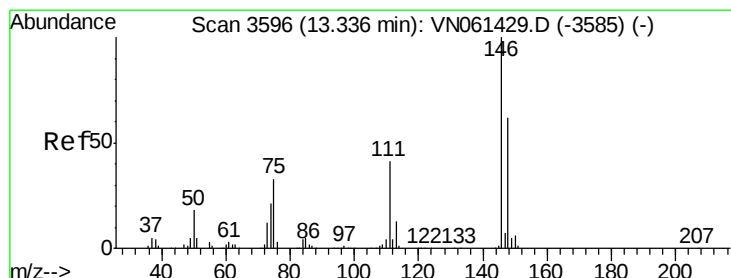
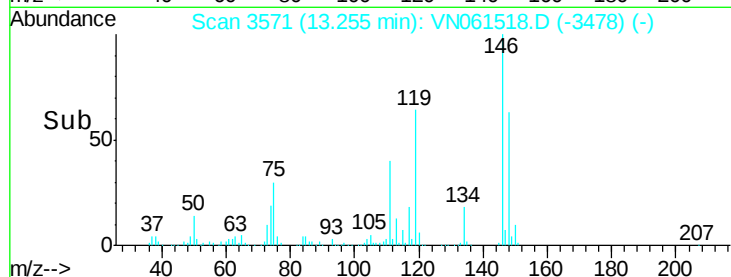
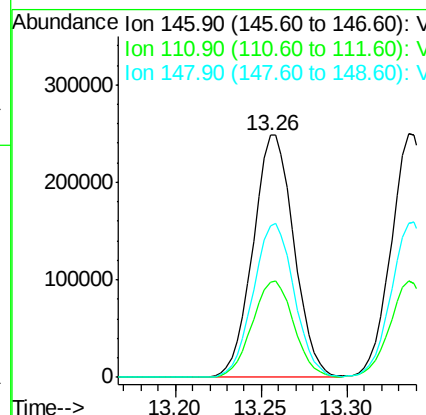
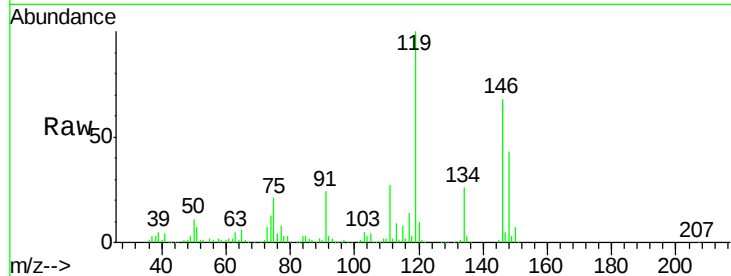




#87
 1,3-Dichlorobenzene
 Concen: 47.217 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

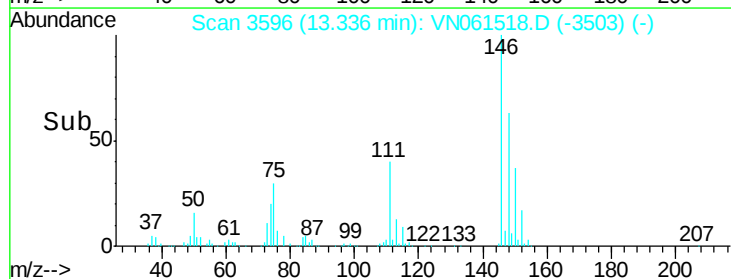
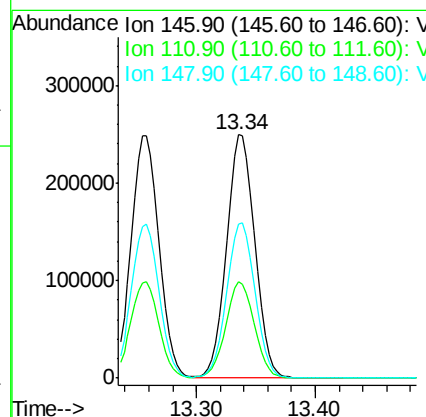
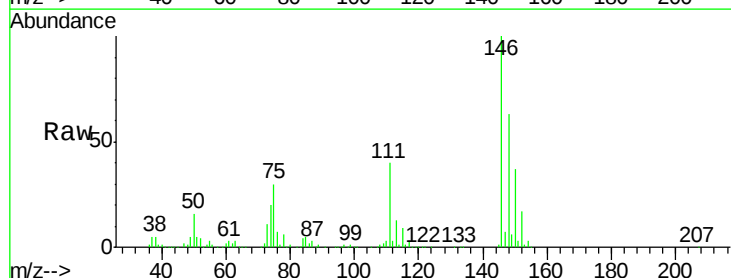
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

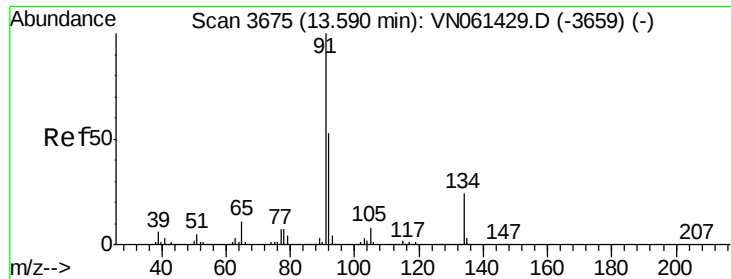
Tot Ion:146 Resp: 410345
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.5 64.5
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.225 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion:146 Resp: 411022
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.8 62.5
 148 64.3 31.6 94.8





#89

n-Butylbenzene

Concen: 39.552 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

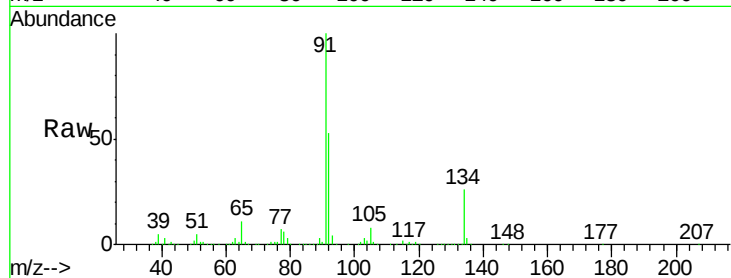
Tot Ion: 91 Resp: 662134

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.3

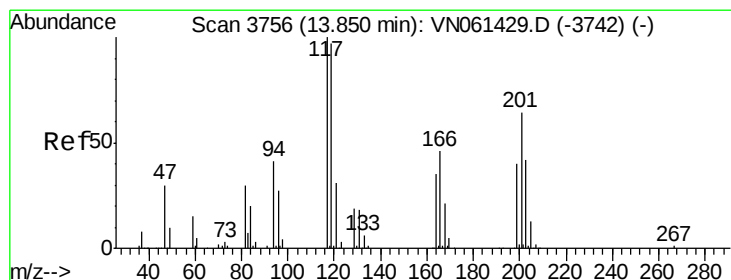
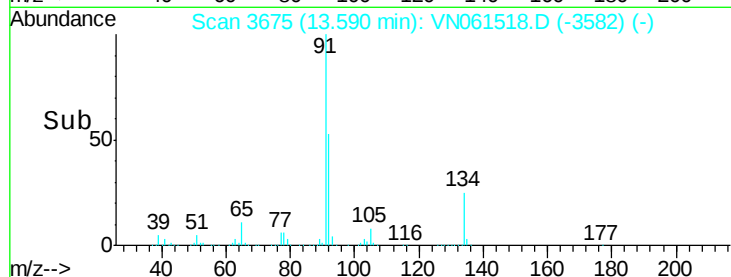
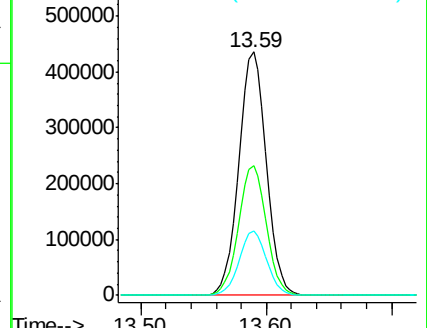
134 26.4 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061518.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061518.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061518.D (-3582) (-)



#90

Hexachloroethane

Concen: 42.387 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061518.D

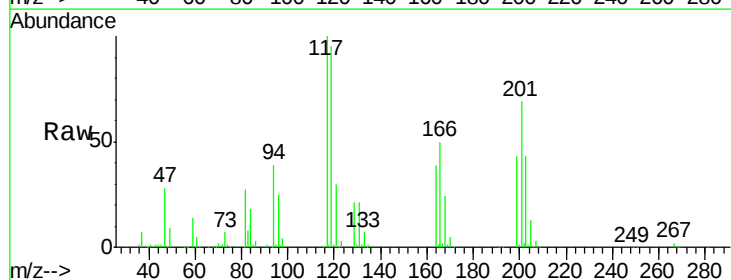
Acq: 20 May 2020 22:07

Tgt Ion: 117 Resp: 105855

Ion Ratio Lower Upper

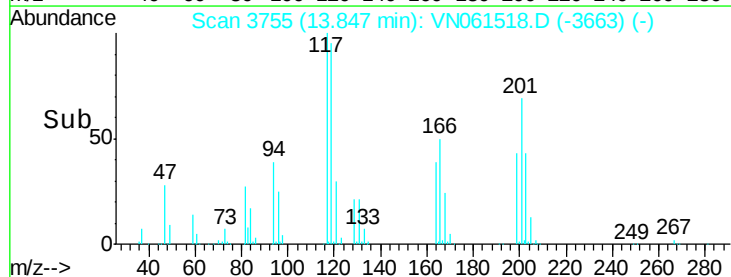
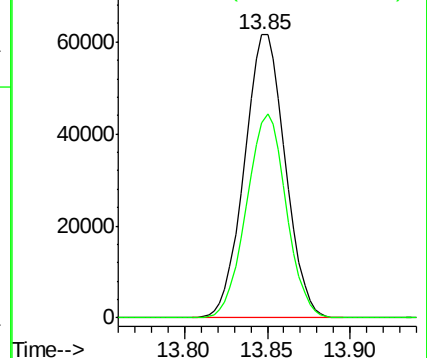
117 100

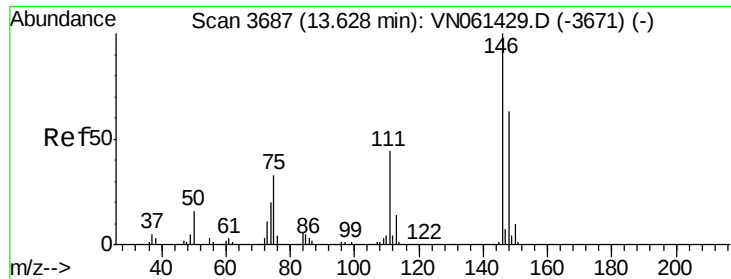
201 70.0 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061518.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061518.D (-3663) (-)

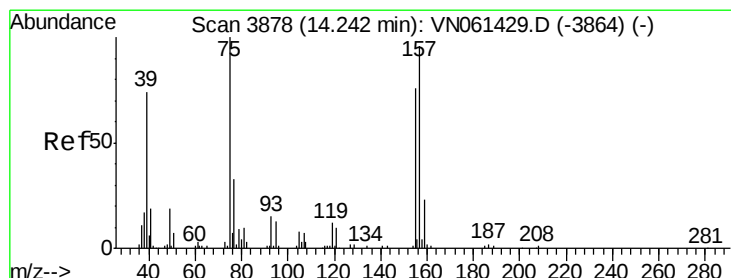
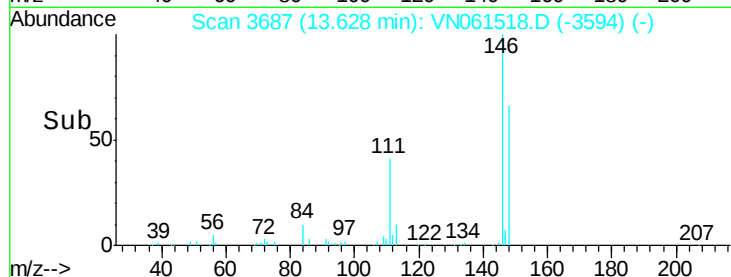
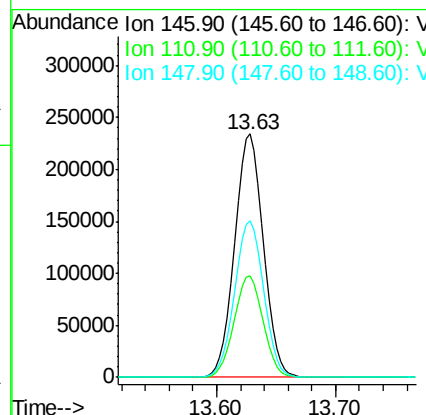
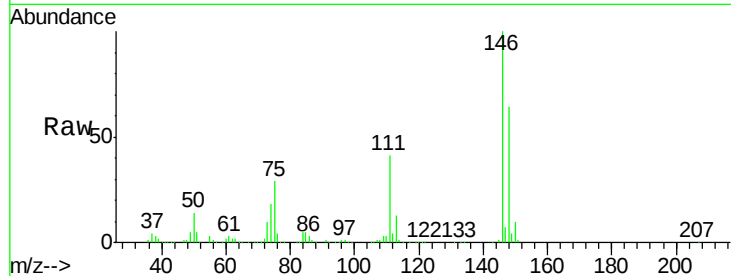




#91
 1,2-Dichlorobenzene
 Concen: 47.083 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

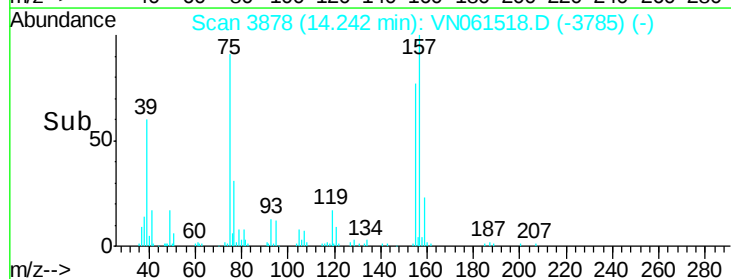
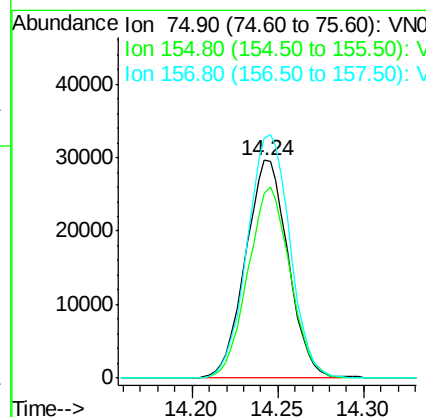
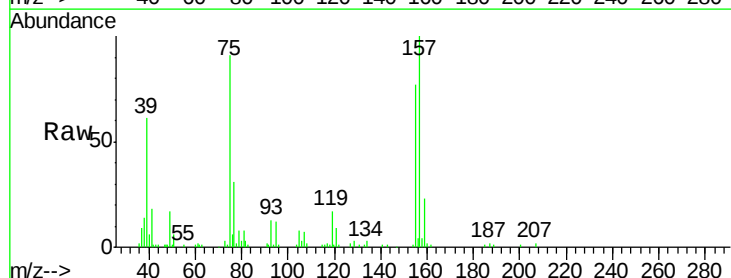
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 392504
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.9 65.7
 148 65.0 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.850 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 75 Resp: 50892
 Ion Ratio Lower Upper
 75 100
 155 86.6 38.9 116.7
 157 111.8 48.6 145.8

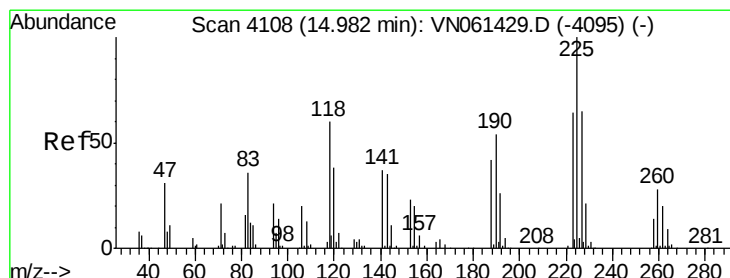
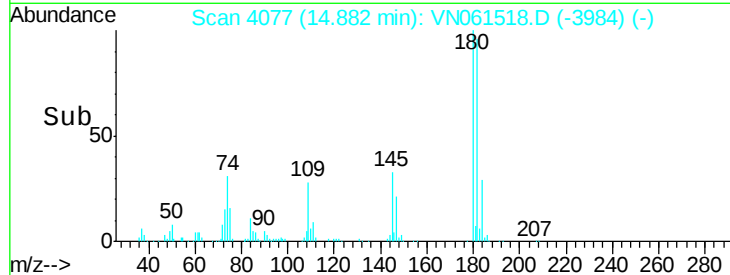
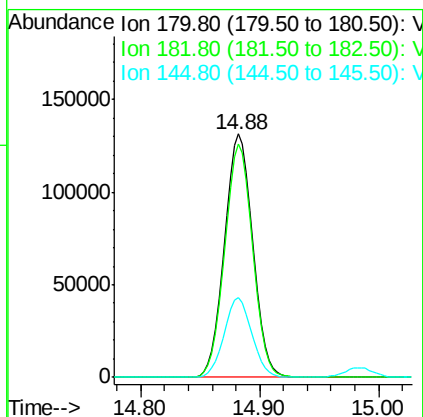
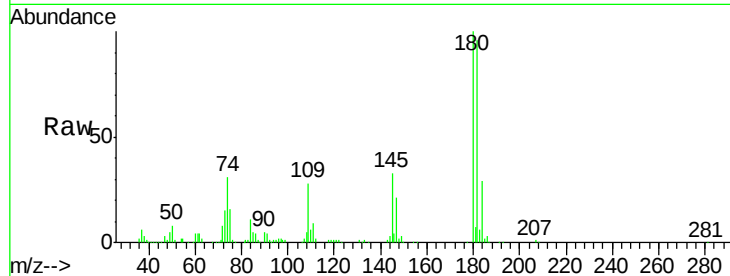




#93
 1,2,4-Trichlorobenzene
 Concen: 47.792 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

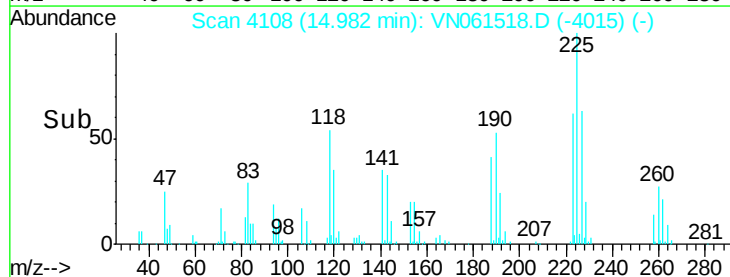
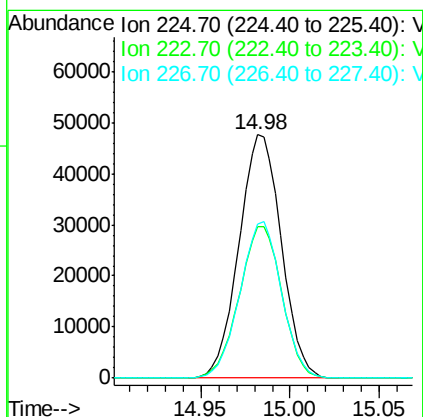
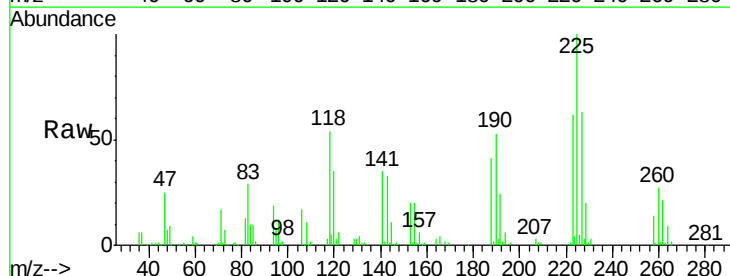
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

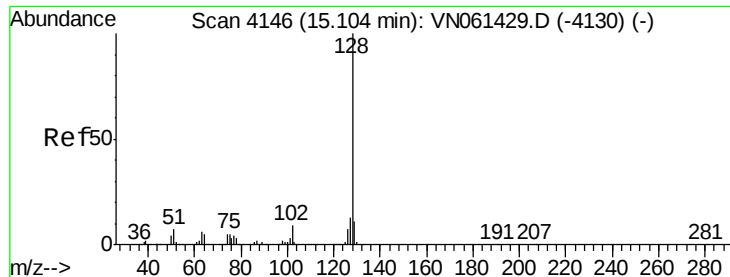
Tot Ion:180 Resp: 216029
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.0 141.0
 145 32.2 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 39.229 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion:225 Resp: 78789
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.7
 227 62.9 31.5 94.5

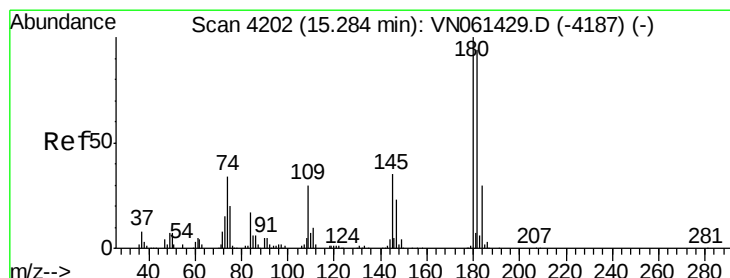
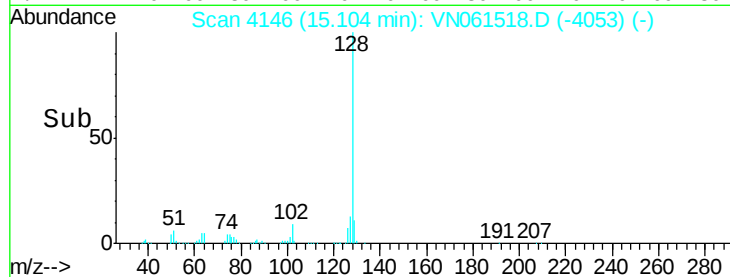
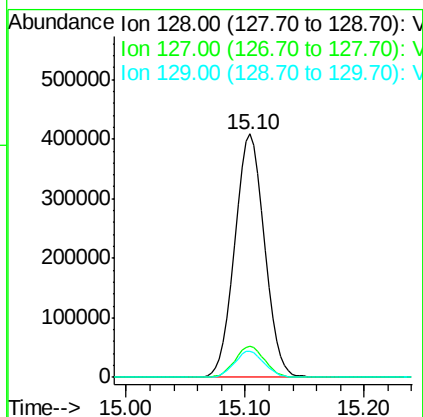
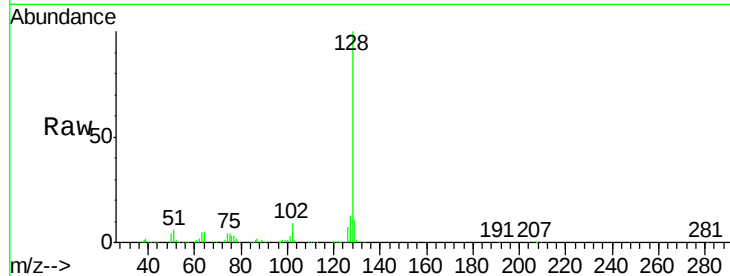




#95
Naphthalene
Concen: 49.233 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 707488
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 46.655 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion:180 Resp: 209943
Ion Ratio Lower Upper
180 100
182 94.5 47.8 143.3
145 34.5 17.3 51.9

