

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011520\
 Data File : VN059709.D
 Acq On : 15 Jan 2020 9:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 16 03:40:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	106020	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	7.56	113	92026	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.08	98	350775	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	126131	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	122416	49.927	ug/l	98
3) Chloromethane	2.04	50	113619	47.721	ug/l	100
4) Vinyl Chloride	2.17	62	139323	51.144	ug/l	99
5) Bromomethane	2.54	94	84429	50.785	ug/l	98
6) Chloroethane	2.68	64	64930	50.380	ug/l	100
7) Trichlorofluoromethane	3.00	101	162360	49.628	ug/l	98
8) Diethyl Ether	3.38	74	57462	50.048	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95131	52.246	ug/l	92
10) Methyl Iodide	3.93	142	142235	48.327	ug/l	94
11) Tert butyl alcohol	4.73	59	85846	220.805	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92400	48.564	ug/l	88
13) Acrolein	3.57	56	49533	179.980	ug/l	97
14) Allyl chloride	4.29	41	123403	48.119	ug/l #	88
15) Acrylonitrile	4.94	53	206907	233.304	ug/l	99
16) Acetone	3.78	43	206064	262.088	ug/l	95
17) Carbon Disulfide	4.03	76	263853	48.681	ug/l	99
18) Methyl Acetate	4.28	43	122040	45.240	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	300535	48.447	ug/l	96
20) Methylene Chloride	4.52	84	100624	48.109	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	99958	49.424	ug/l	89
22) Diisopropyl ether	5.91	45	284206	48.902	ug/l #	96
23) Vinyl Acetate	5.86	43	1106469	245.901	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	172692	48.631	ug/l	97
25) 2-Butanone	6.80	43	302908	231.610	ug/l	92
26) 2,2-Dichloropropane	6.79	77	167758	49.139	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	114212	49.098	ug/l	88
28) Bromochloromethane	7.17	49	64676	45.569	ug/l #	75
29) Tetrahydrofuran	7.18	42	177589	219.466	ug/l	88
30) Chloroform	7.34	83	182553	49.615	ug/l	98
31) Cyclohexane	7.63	56	159077	46.554	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	168077	49.406	ug/l	95
36) 1,1-Dichloropropene	7.77	75	140540	51.817	ug/l	96
37) Ethyl Acetate	6.89	43	115565	45.429	ug/l	95
38) Carbon Tetrachloride	7.75	117	152199	51.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	174030	52.038	ug/l	91
40) Benzene	8.02	78	404956	50.063	ug/l	99
41) Methacrylonitrile	7.17	41	167642	133.793	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	138968	50.671	ug/l	96
43) Isopropyl Acetate	8.14	43	206348	47.160	ug/l #	94
44) Trichloroethene	8.81	130	117272	53.108	ug/l	94
45) 1,2-Dichloropropane	9.10	63	102230	51.074	ug/l	100
46) Dibromomethane	9.19	93	73100	51.772	ug/l	91
47) Bromodichloromethane	9.38	83	148042	52.030	ug/l	98
48) Methyl methacrylate	9.18	41	93376	47.710	ug/l	89
49) 1,4-Dioxane	9.18	88	34834	972.240	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	589480	233.055	ug/l	95
52) Toluene	10.14	92	264538	51.776	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	167462	52.710	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	175632	52.540	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	103183	50.990	ug/l	96
56) Ethyl methacrylate	10.42	69	155574	50.314	ug/l	91
57) 1,3-Dichloropropane	10.70	76	166227	51.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	238364	255.938	ug/l	91
59) 2-Hexanone	10.74	43	463052	248.500	ug/l	92
60) Dibromochloromethane	10.89	129	120727	52.390	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109569	51.660	ug/l	99
64) Tetrachloroethene	10.62	164	107923	46.399	ug/l	94
65) Chlorobenzene	11.43	112	288888	51.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111919	51.636	ug/l	99
67) Ethyl Benzene	11.50	91	519724	51.039	ug/l	98
68) m/p-Xylenes	11.61	106	396775	103.152	ug/l	94
69) o-Xylene	11.94	106	190994	50.719	ug/l	94
70) Styrene	11.96	104	326372	51.793	ug/l	97
71) Bromoform	12.12	173	91154	52.502	ug/l #	99
73) Isopropylbenzene	12.24	105	516059	49.987	ug/l	99
74) N-amyl acetate	12.06	43	186912	46.658	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	145643	48.663	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189778	80.109	ug/l #	100
77) Bromobenzene	12.52	156	131913	50.456	ug/l	80
78) n-propylbenzene	12.59	91	586596	50.623	ug/l	97
79) 2-Chlorotoluene	12.67	91	339094	49.191	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	437896	50.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	54564	49.462	ug/l	92
82) 4-Chlorotoluene	12.77	91	352561	50.991	ug/l	95
83) tert-Butylbenzene	12.99	119	376936	50.196	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	438318	51.029	ug/l	99
85) sec-Butylbenzene	13.17	105	503711	51.056	ug/l	99
86) p-Isopropyltoluene	13.28	119	463488	50.771	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	236510	52.079	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	235164	51.907	ug/l	97
89) n-Butylbenzene	13.61	91	410208	52.701	ug/l	98
90) Hexachloroethane	13.87	117	87508	51.234	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	227261	50.619	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30141	46.786	ug/l	79

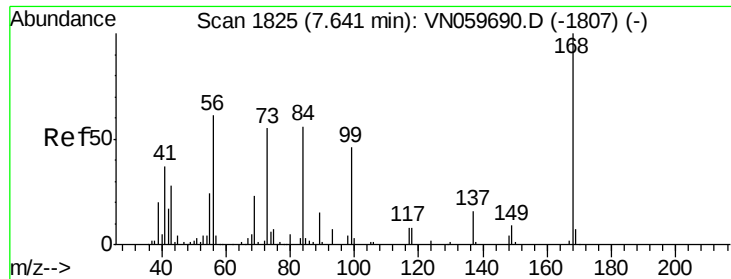
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QLast Update : Tue Jan 14 08:58:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144895	53.709	ug/l	99
94) Hexachlorobutadiene	15.01	225	78351	52.704	ug/l	98
95) Naphthalene	15.13	128	381234	49.682	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134452	51.202	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

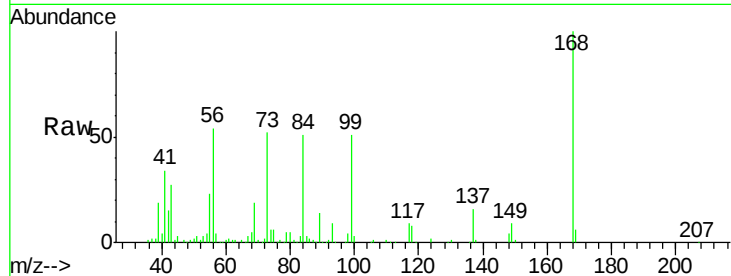
VSTDCCC050

Tgt Ion:168 Resp: 207962

Ion Ratio Lower Upper

168 100

99 50.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

20000

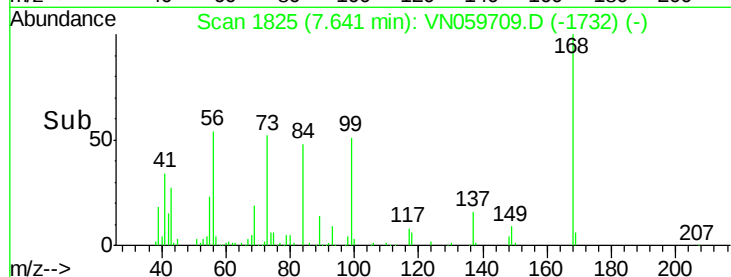
0

7.50

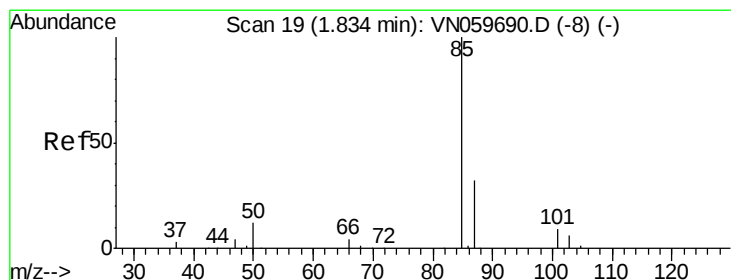
7.60

7.70

7.80



Time-->



#2

Dichlorodifluoromethane

Concen: 49.927 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059709.D

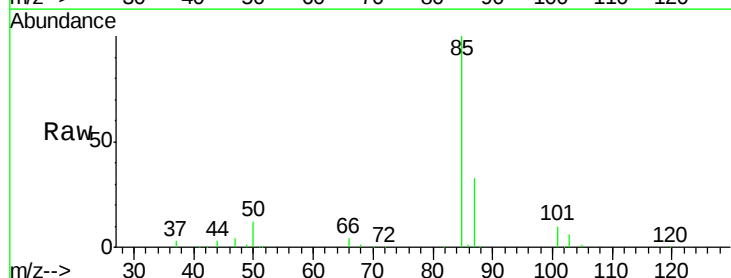
Acq: 15 Jan 2020 9:47

Tgt Ion: 85 Resp: 122416

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

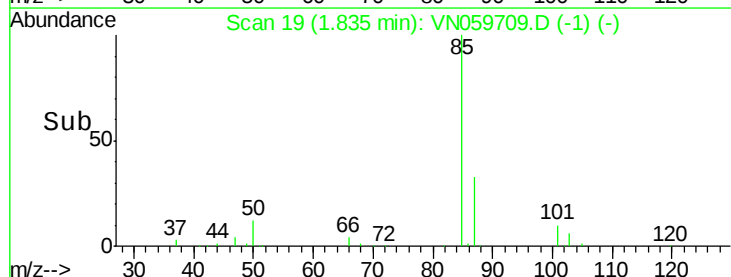
1.75

1.80

1.85

1.90

1.95



Time-->



#3

Chloromethane

Concen: 47.721 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

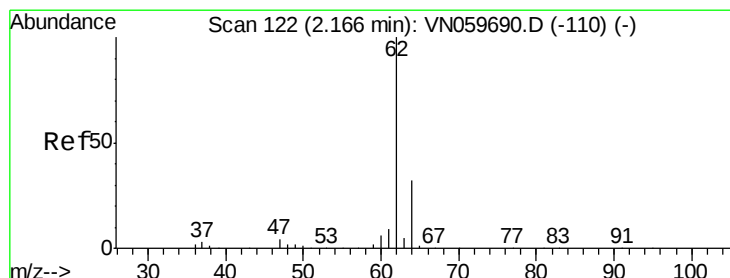
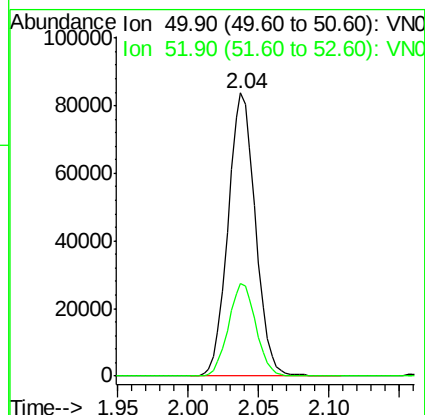
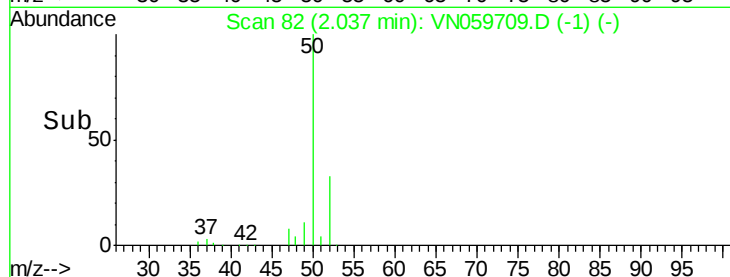
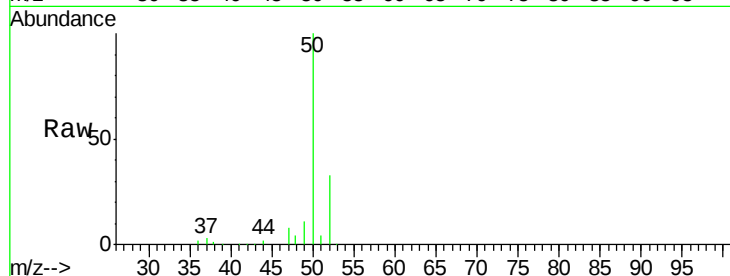
VSTDCCC050

Tgt Ion: 50 Resp: 113619

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 51.144 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059709.D

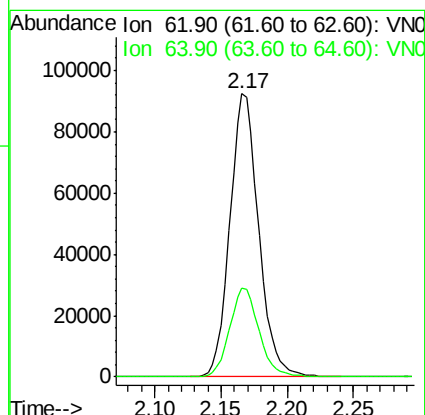
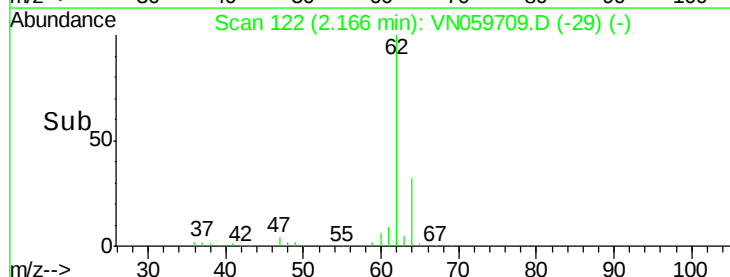
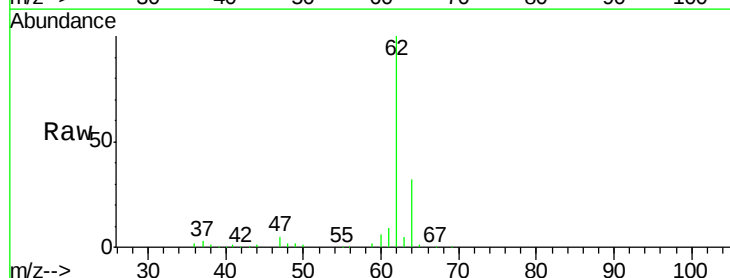
Acq: 15 Jan 2020 9:47

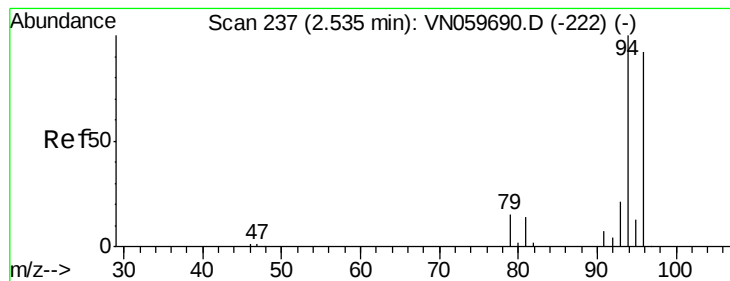
Tgt Ion: 62 Resp: 139323

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 50.785 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

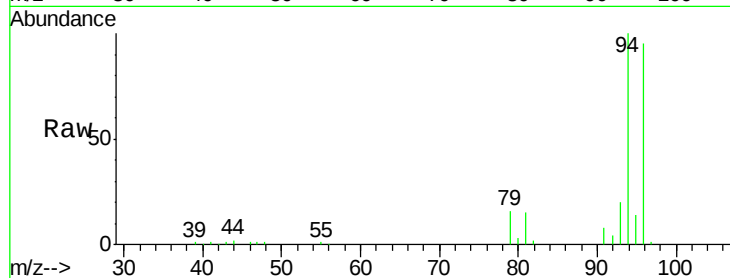
VSTDCCC050

Tgt Ion: 94 Resp: 84429

Ion Ratio Lower Upper

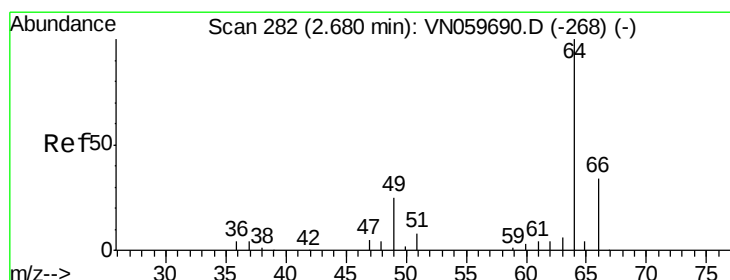
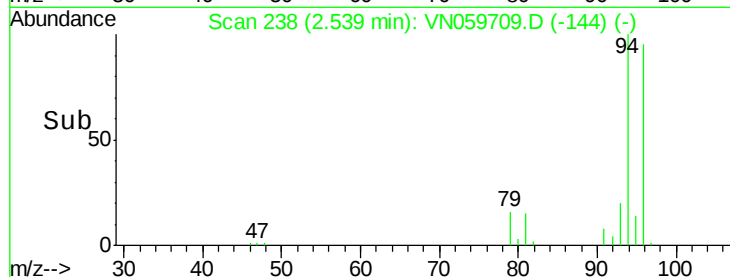
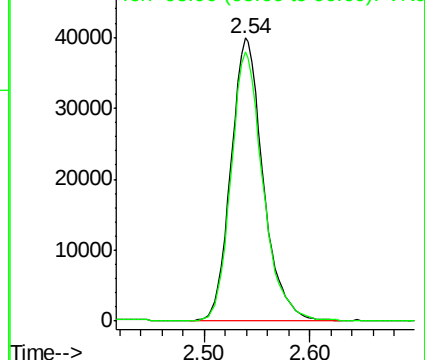
94 100

96 95.1 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.380 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059709.D

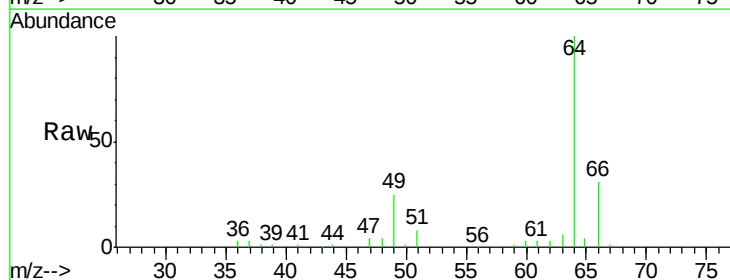
Acq: 15 Jan 2020 9:47

Tgt Ion: 64 Resp: 64930

Ion Ratio Lower Upper

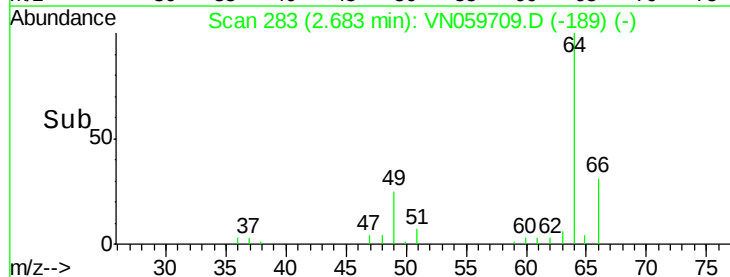
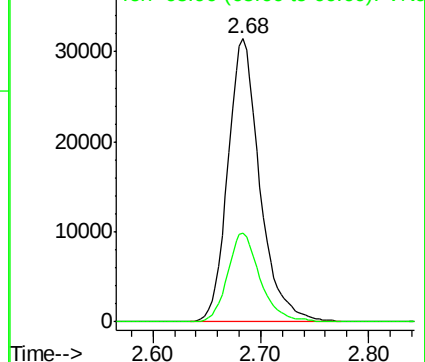
64 100

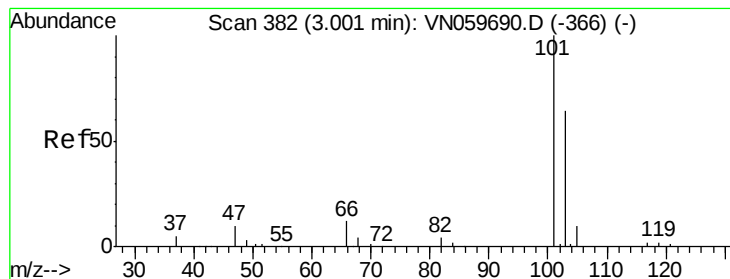
66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



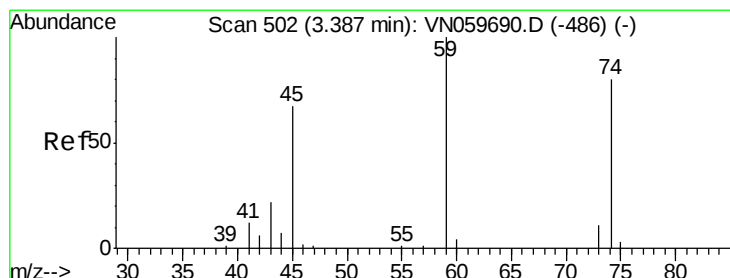
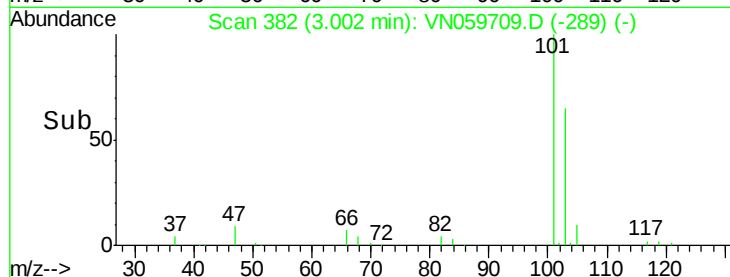
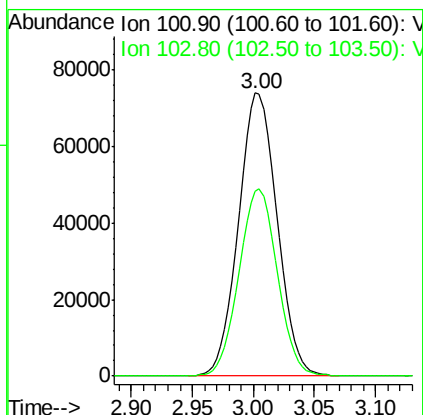
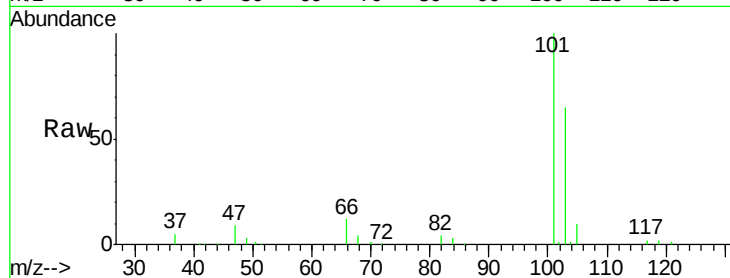


#7

Trichlorofluoromethane
 Concen: 49.628 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059709.D
 Acq: 15 Jan 2020 9:47

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 VSTDCCC050

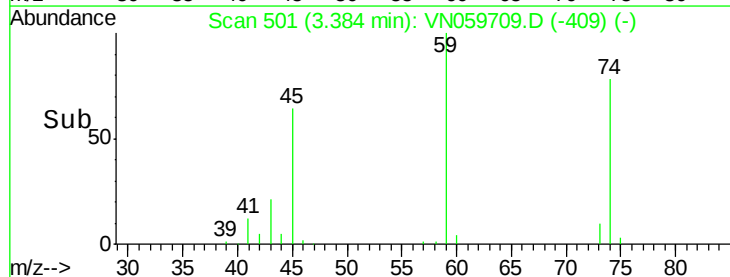
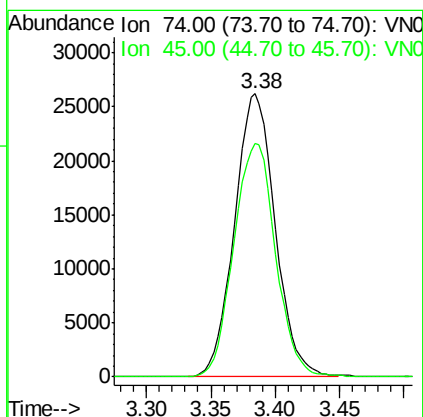
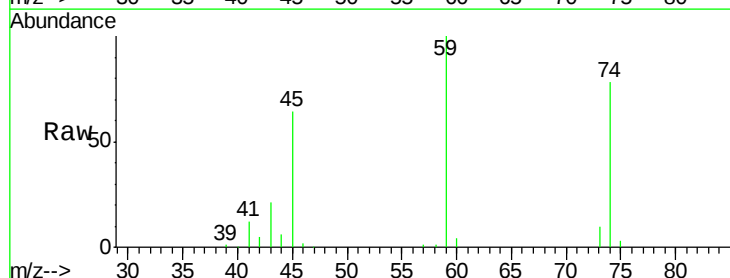
Tgt Ion: 101 Resp: 162360
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.0 76.6



#8

Diethyl Ether
 Concen: 50.048 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059709.D
 Acq: 15 Jan 2020 9:47

Tgt Ion: 74 Resp: 57462
 Ion Ratio Lower Upper
 74 100
 45 84.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.246 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

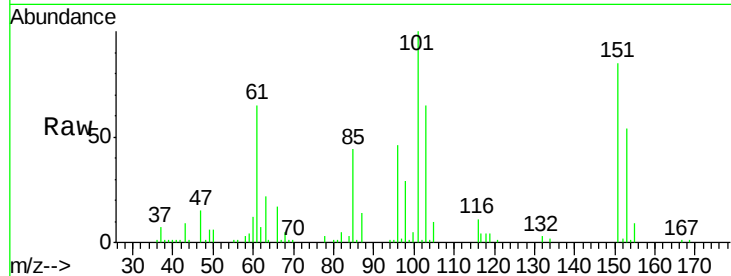
Tgt Ion:101 Resp: 95131

Ion Ratio Lower Upper

101 100

85 43.0 36.6 54.8

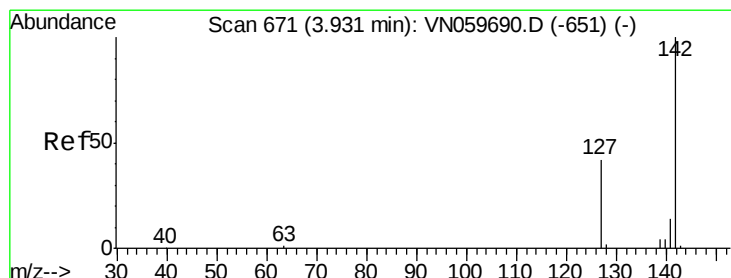
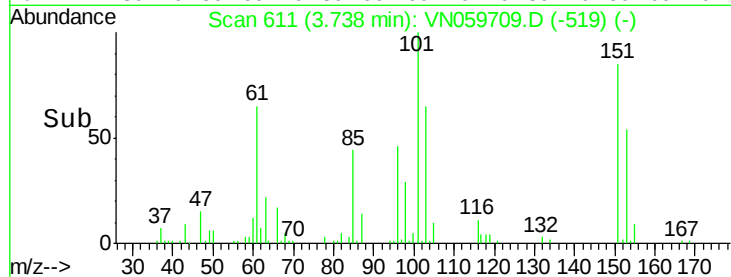
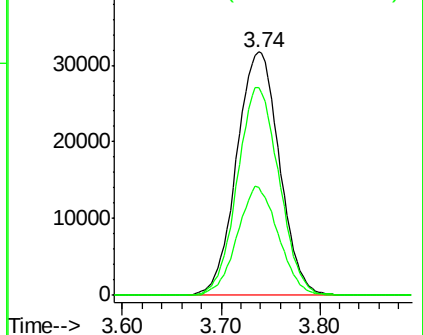
151 83.5 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.327 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

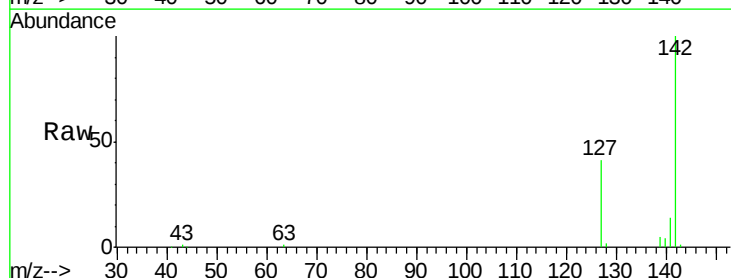
Tgt Ion:142 Resp: 142235

Ion Ratio Lower Upper

142 100

127 41.1 36.7 55.1

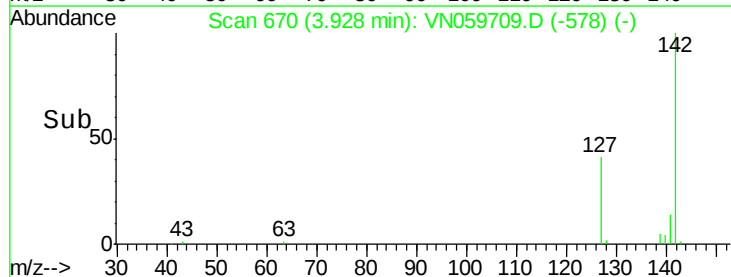
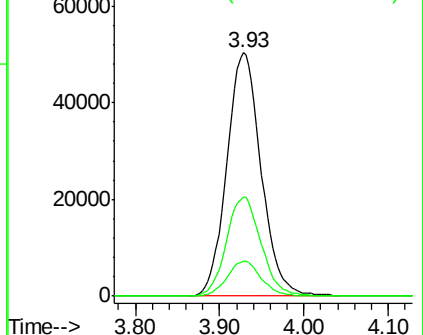
141 14.1 11.7 17.5

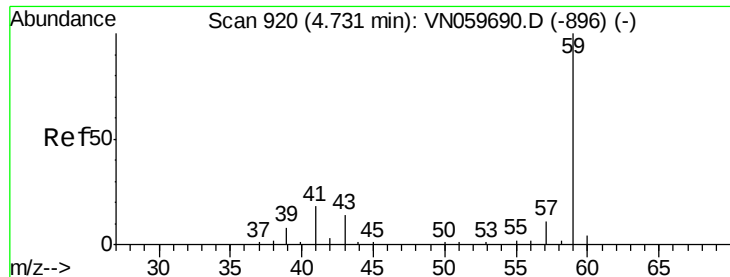


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



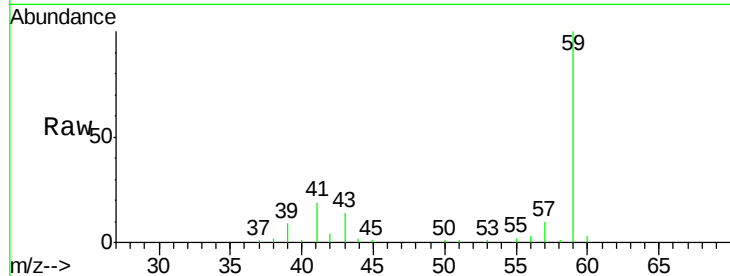


#11

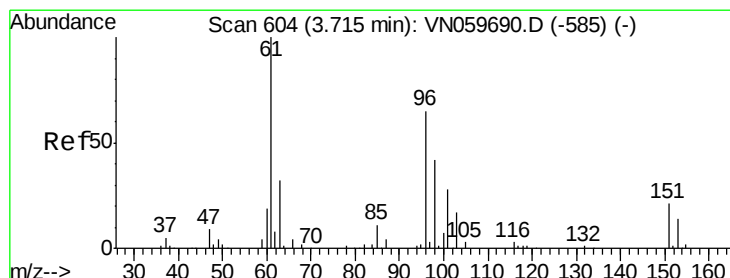
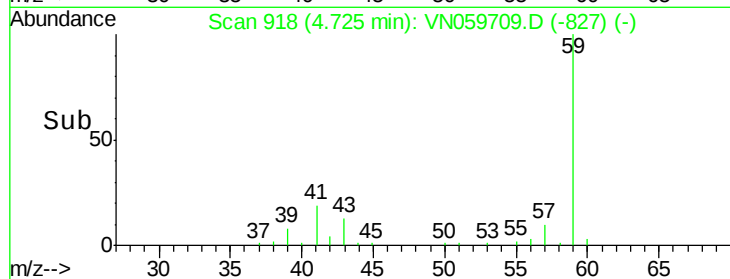
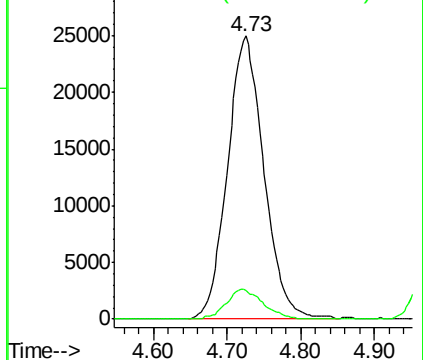
Tert butyl alcohol
 Concen: 220.805 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059709.D
 Acq: 15 Jan 2020 9:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 59 Resp: 85846
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8



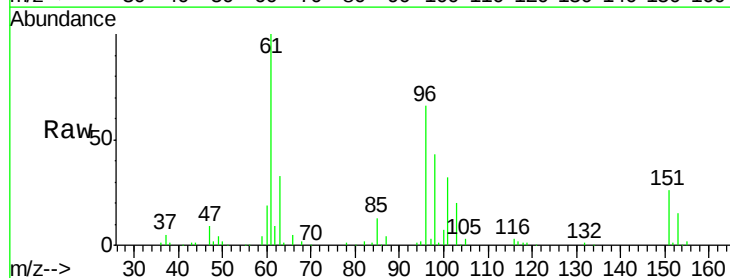
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



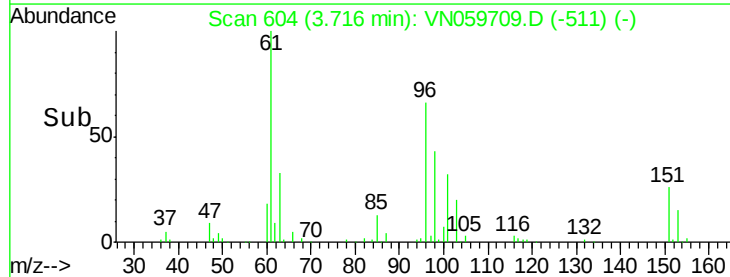
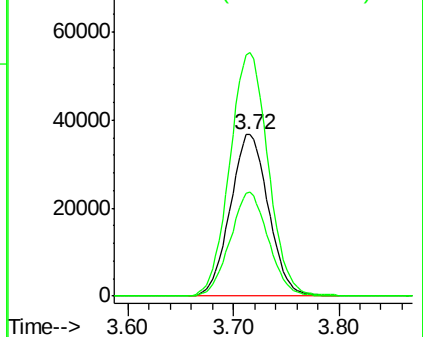
#12

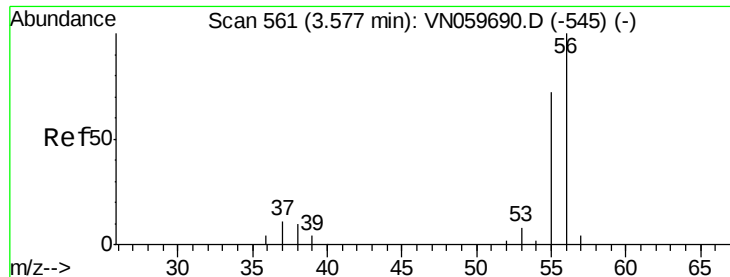
1,1-Dichloroethene
 Concen: 48.564 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059709.D
 Acq: 15 Jan 2020 9:47

Tgt Ion: 96 Resp: 92400
 Ion Ratio Lower Upper
 96 100
 61 151.0 137.5 206.3
 98 64.3 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

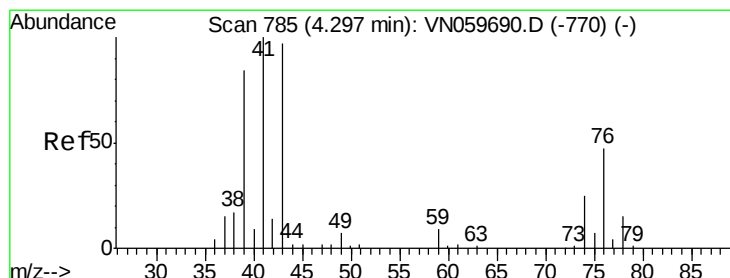
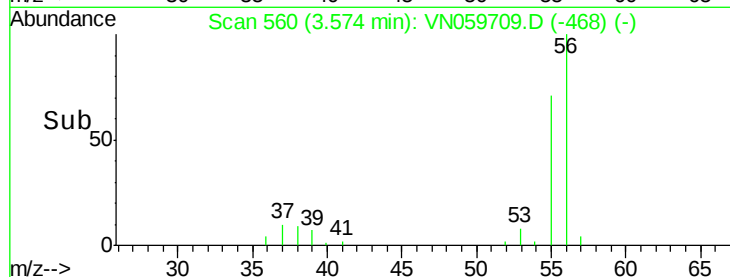
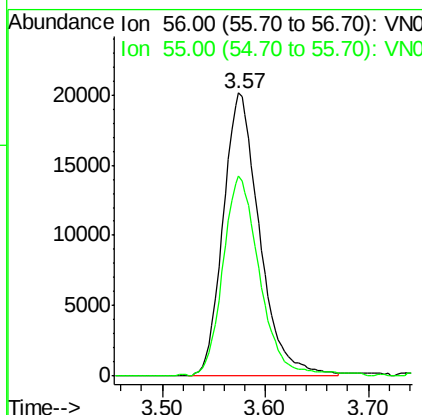
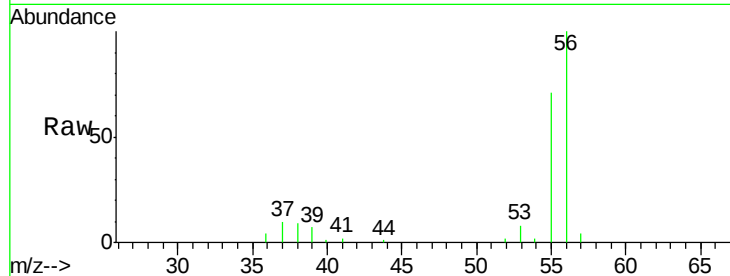




#13
Acrolein
Concen: 179.980 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

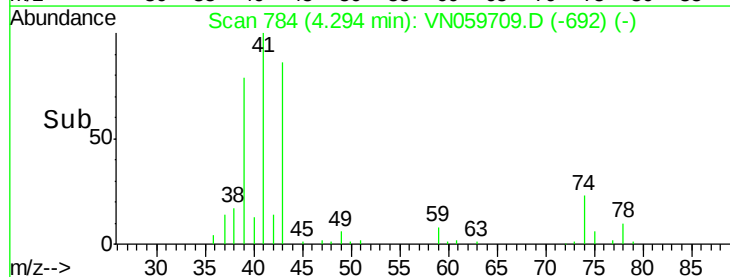
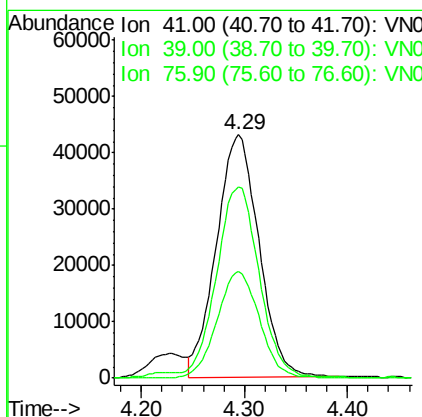
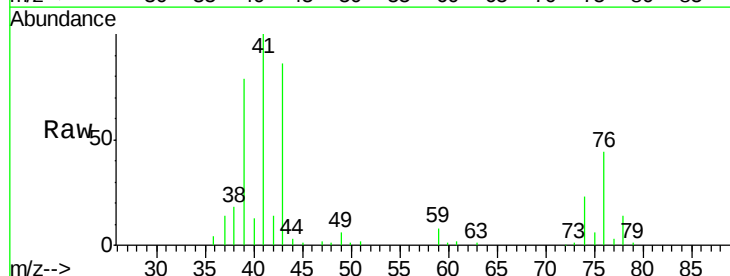
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

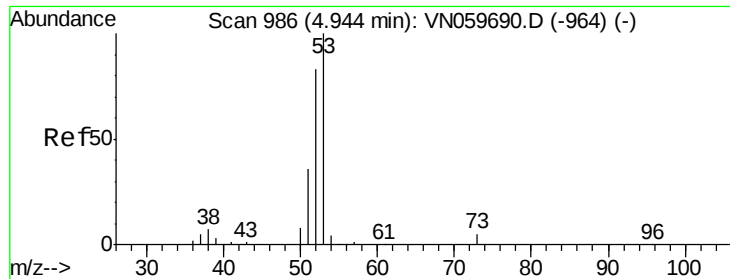
Tgt Ion: 56 Resp: 49533
Ion Ratio Lower Upper
56 100
55 70.4 58.6 88.0



#14
Allyl chloride
Concen: 48.119 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

Tgt Ion: 41 Resp: 123403
Ion Ratio Lower Upper
41 100
39 78.5 57.8 86.8
76 43.8 25.4 38.0#





#15

Acrylonitrile

Concen: 233.304 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

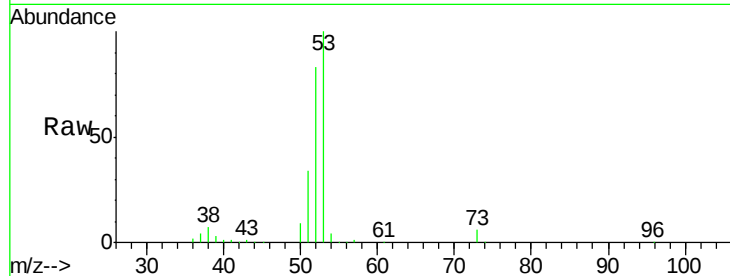
Tgt Ion: 53 Resp: 206907

Ion Ratio Lower Upper

53 100

52 83.7 66.3 99.5

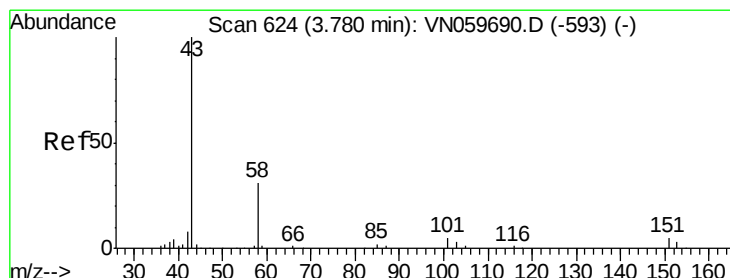
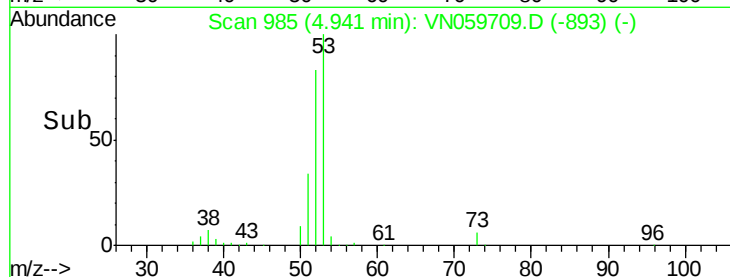
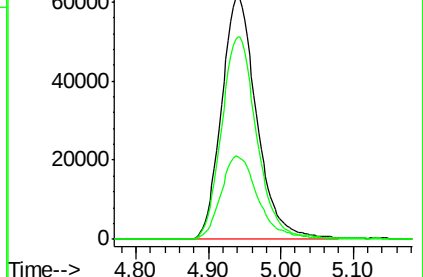
51 36.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059709.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059709.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059709.D (-964) (-)



#16

Acetone

Concen: 262.088 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN059709.D

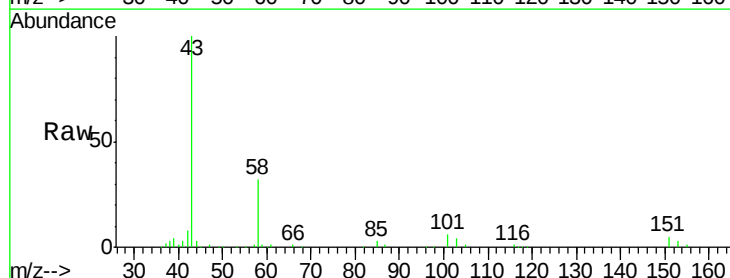
Acq: 15 Jan 2020 9:47

Tgt Ion: 43 Resp: 206064

Ion Ratio Lower Upper

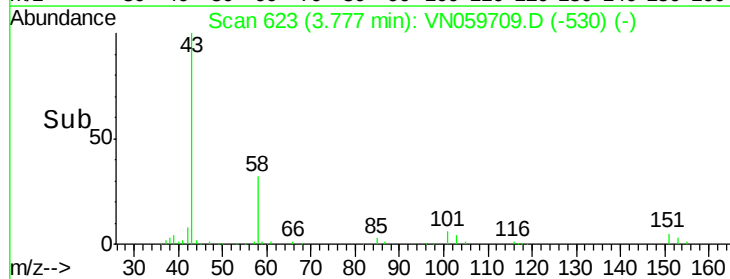
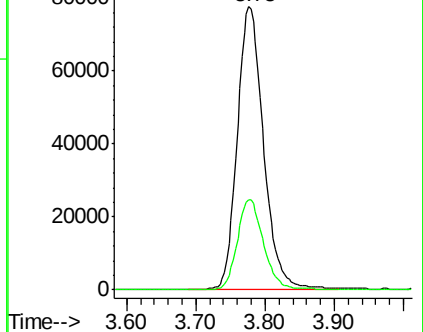
43 100

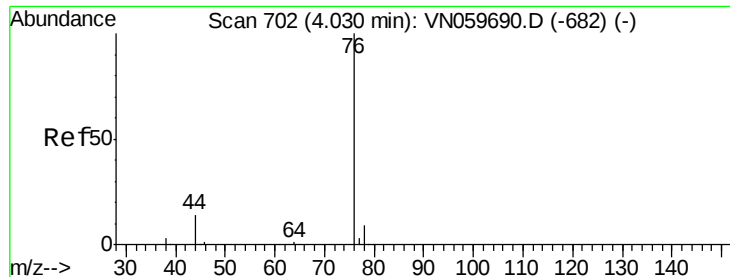
58 31.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059709.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059709.D (-530) (-)

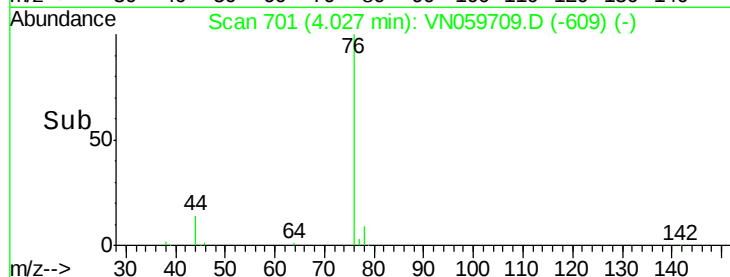
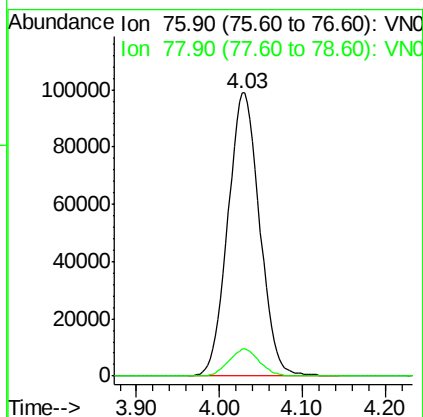
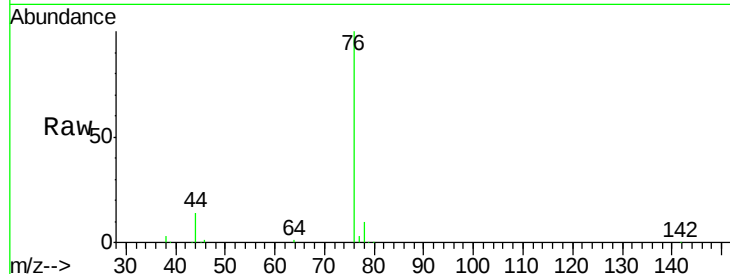




#17
Carbon Disulfide
Concen: 48.681 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

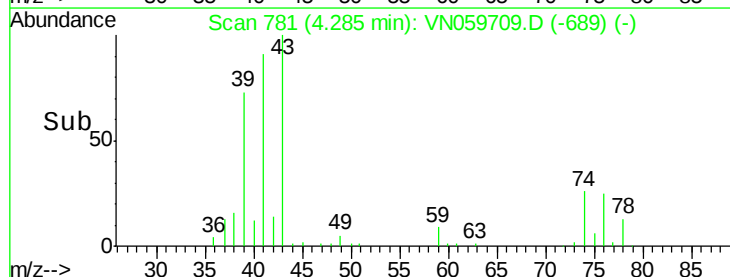
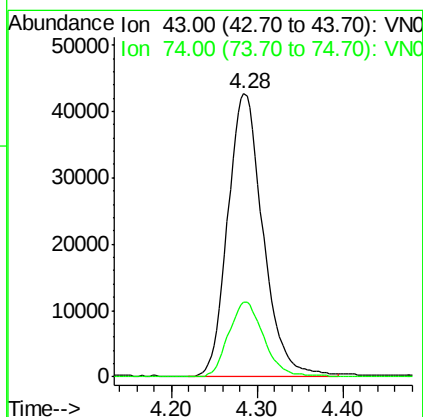
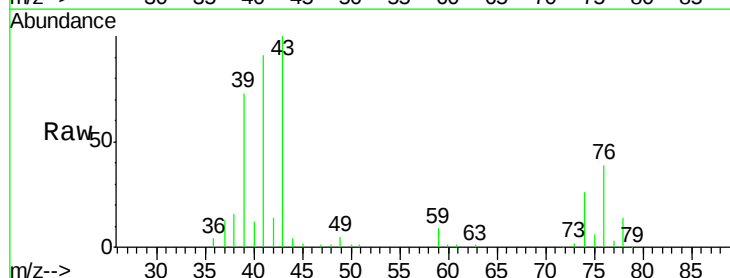
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 263853
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 45.240 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

Tgt Ion: 43 Resp: 122040
Ion Ratio Lower Upper
43 100
74 26.5 17.5 26.3#

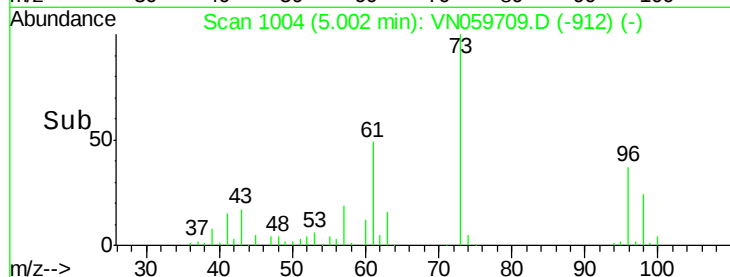
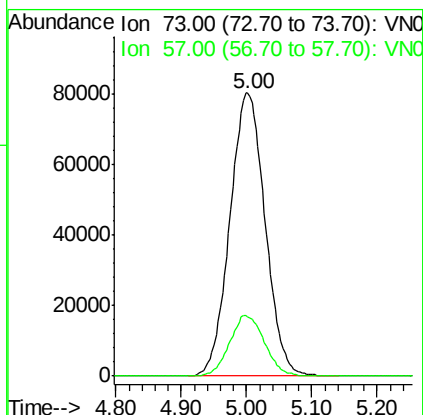
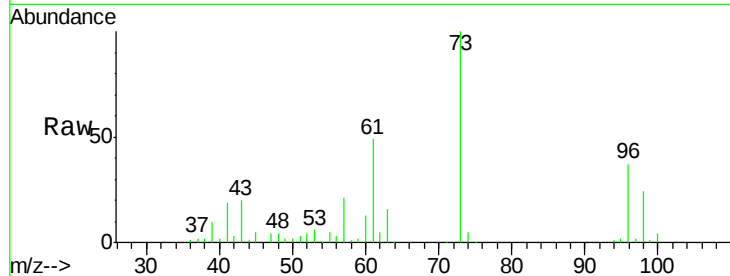




#19
Methyl tert-butyl Ether
Concen: 48.447 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

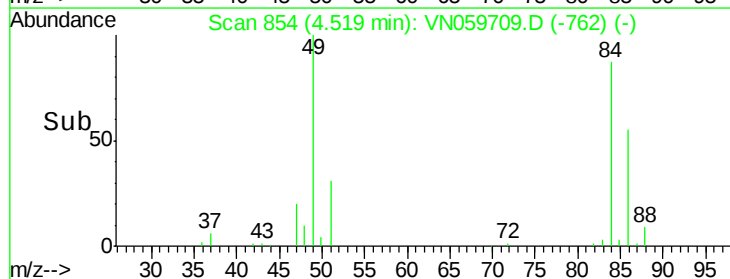
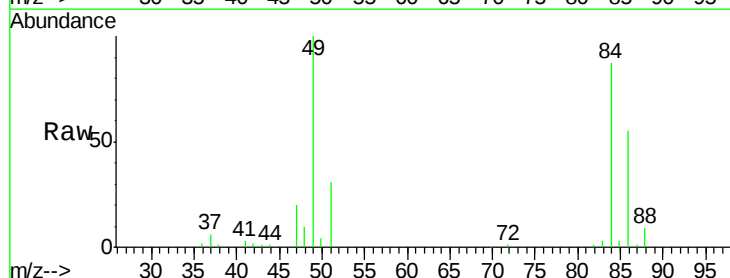
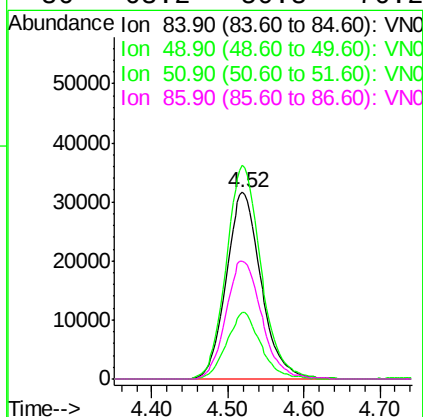
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

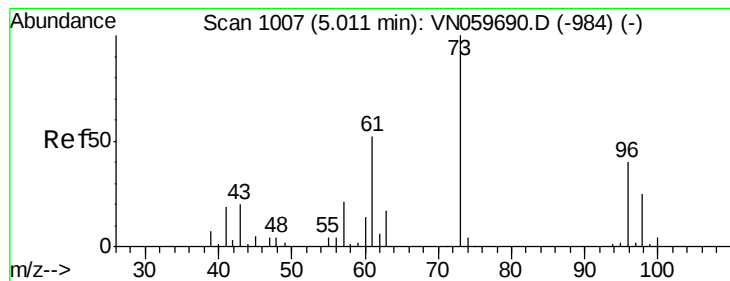
Tgt Ion: 73 Resp: 300535
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8



#20
Methylene Chloride
Concen: 48.109 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

Tgt Ion: 84 Resp: 100624
Ion Ratio Lower Upper
84 100
49 114.4 106.6 160.0
51 35.4 31.9 47.9
86 63.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.424 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

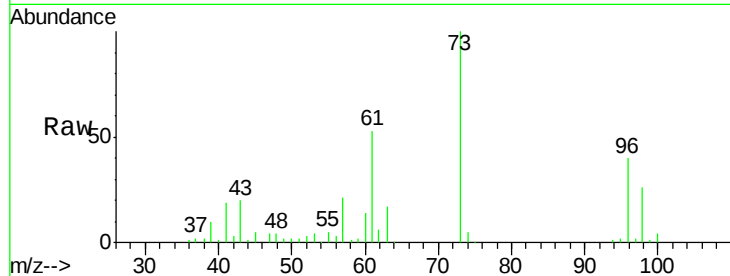
Tgt Ion: 96 Resp: 99958

Ion Ratio Lower Upper

96 100

61 132.8 120.4 180.6

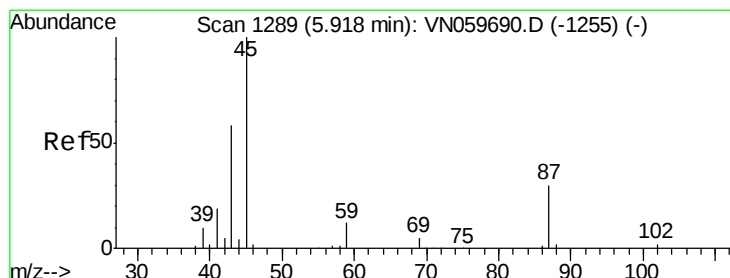
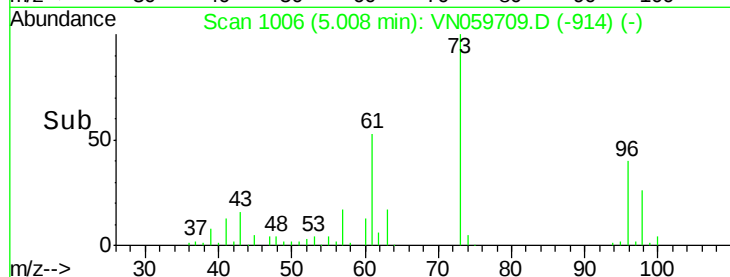
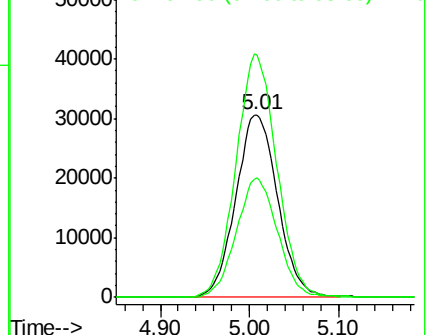
98 65.1 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN059690.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VN059690.D (-984) (-)

Ion 97.90 (97.60 to 98.60): VN059690.D (-984) (-)



#22

Diisopropyl ether

Concen: 48.902 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Tgt Ion: 45 Resp: 284206

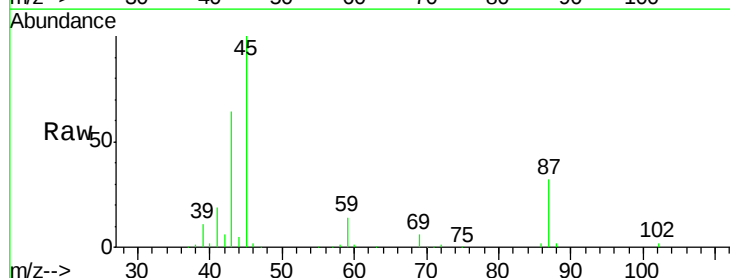
Ion Ratio Lower Upper

45 100

43 62.4 50.8 76.2

87 32.0 21.0 31.6

59 13.4 9.1 13.7

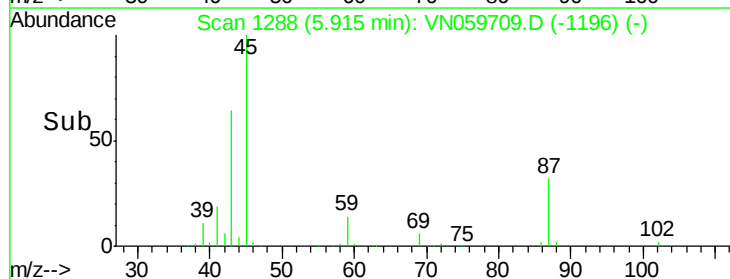
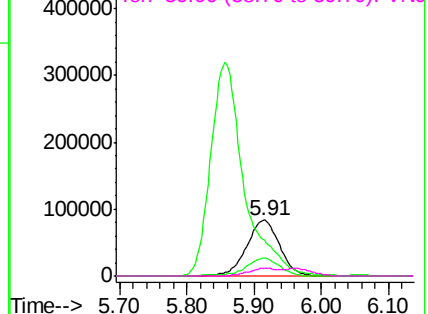


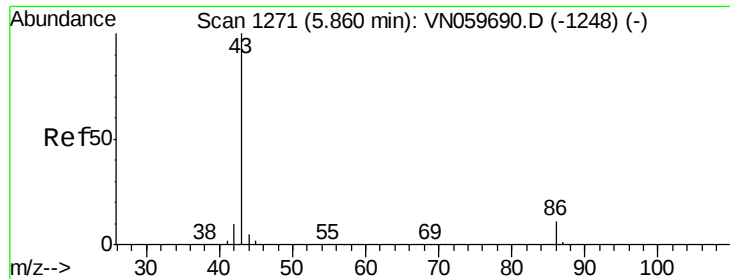
Abundance Ion 45.00 (44.70 to 45.70): VN059690.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN059690.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN059690.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN059690.D (-1255) (-)





#23

Vinyl Acetate

Concen: 245.901 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

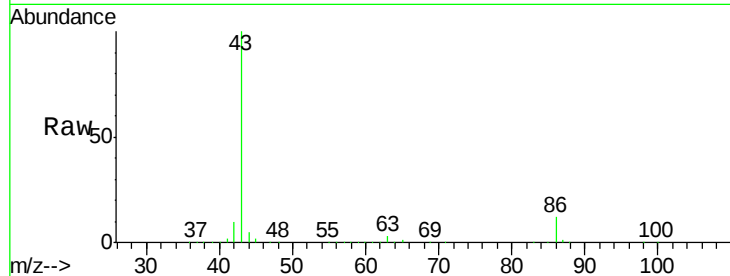
VSTDCCC050

Tgt Ion: 43 Resp: 1106469

Ion Ratio Lower Upper

43 100

86 11.7 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059709.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059709.D (-1178) (-)

5.86

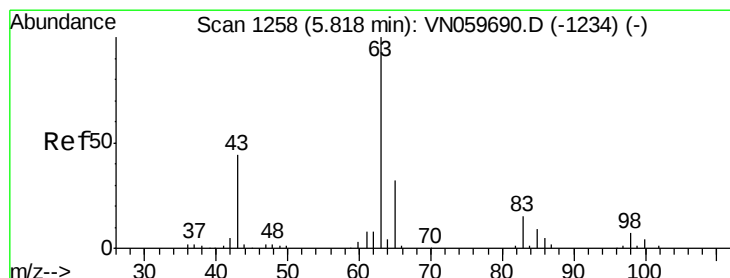
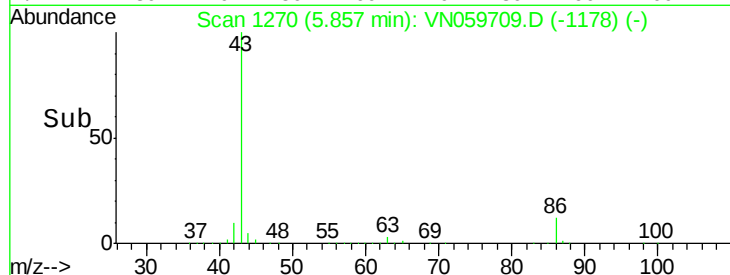
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.631 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

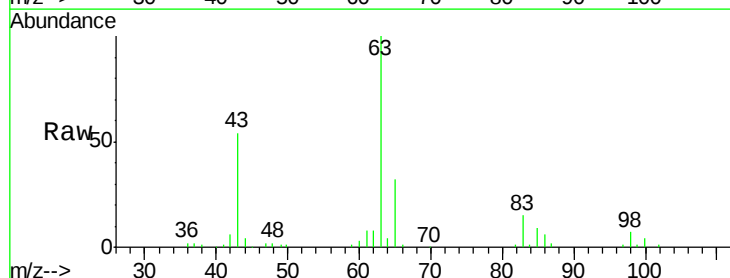
Tgt Ion: 63 Resp: 172692

Ion Ratio Lower Upper

63 100

98 7.1 2.9 8.7

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059709.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059709.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059709.D (-1165) (-)

5.82

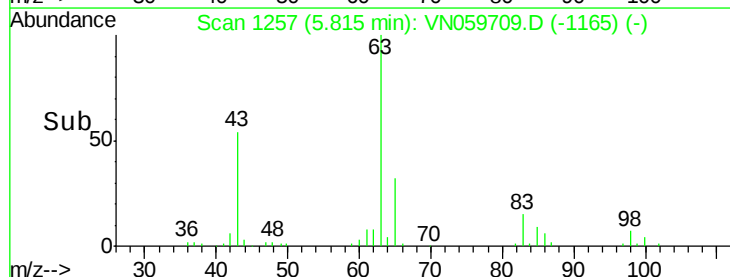
60000

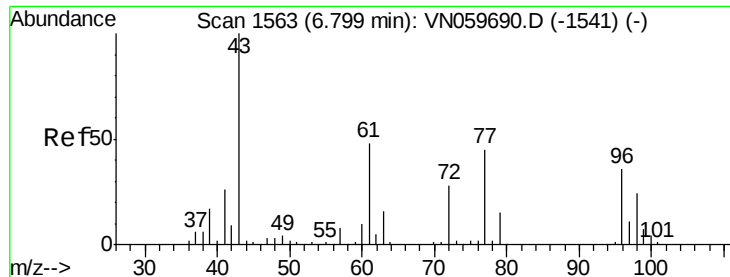
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 231.610 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

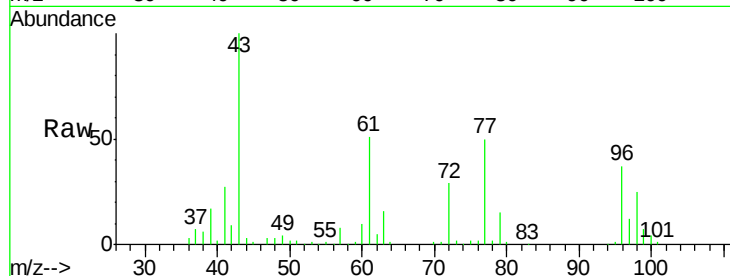
VSTDCCC050

Tgt Ion: 43 Resp: 302908

Ion Ratio Lower Upper

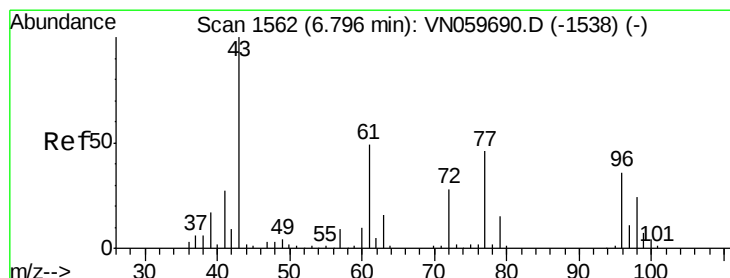
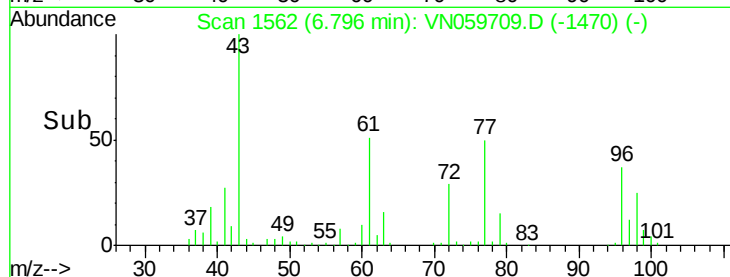
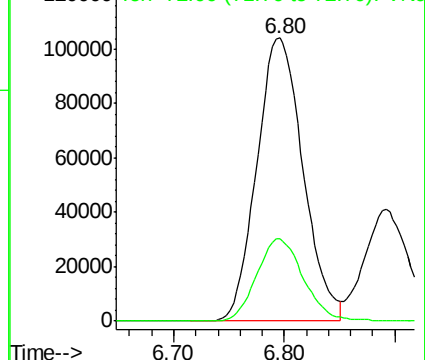
43 100

72 29.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059690.D (-1541) (-)



#26

2,2-Dichloropropane

Concen: 49.139 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059709.D

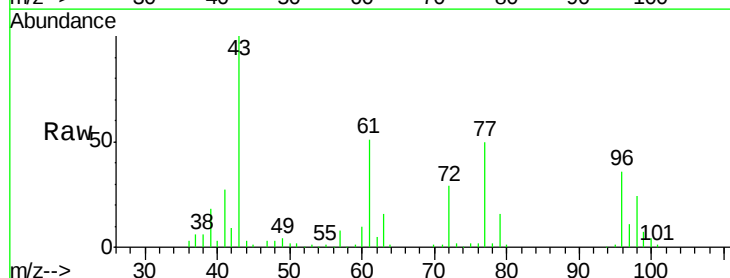
Acq: 15 Jan 2020 9:47

Tgt Ion: 77 Resp: 167758

Ion Ratio Lower Upper

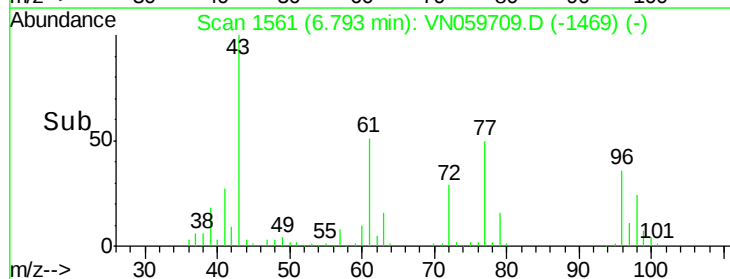
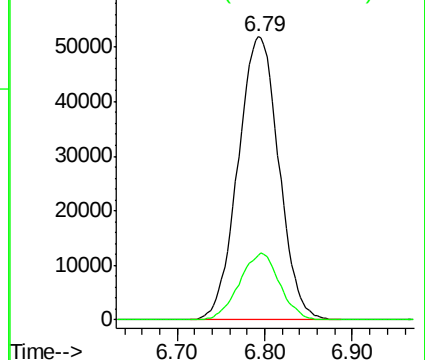
77 100

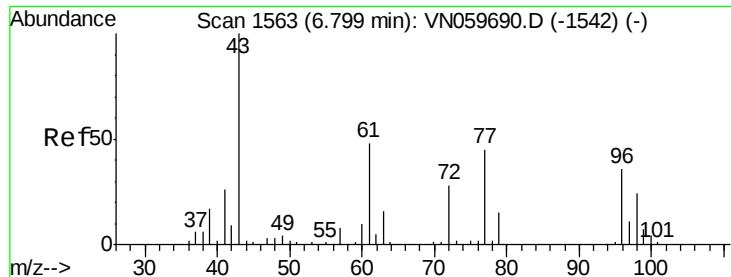
97 23.2 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059690.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN059690.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 49.098 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

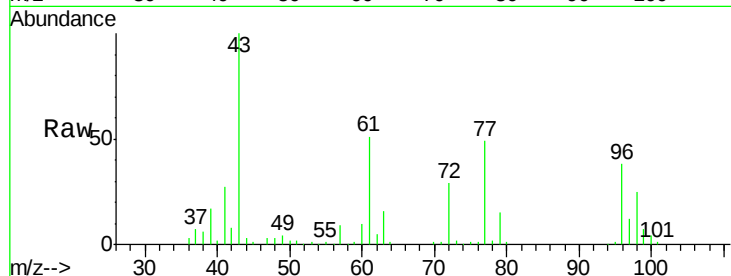
Tgt Ion: 96 Resp: 114212

Ion Ratio Lower Upper

96 100

61 138.3 0.0 317.6

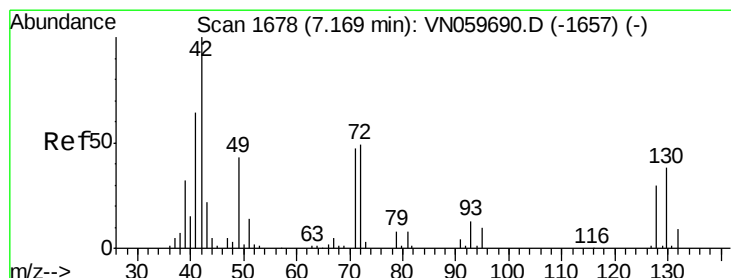
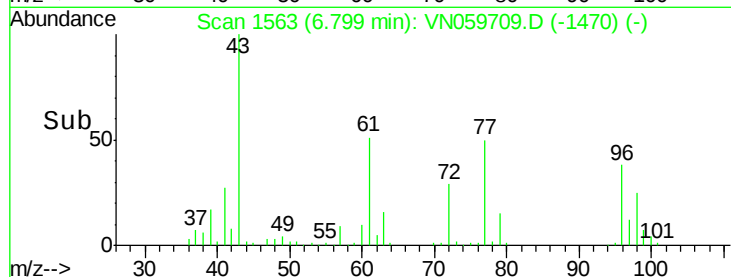
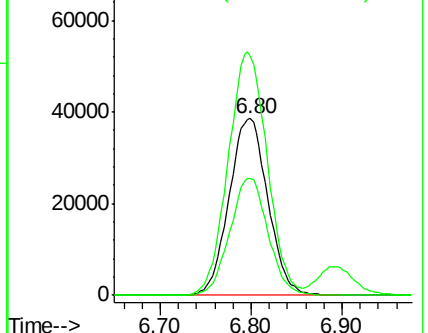
98 65.2 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059709.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059709.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059709.D (-1470) (-)



#28

Bromochloromethane

Concen: 45.569 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

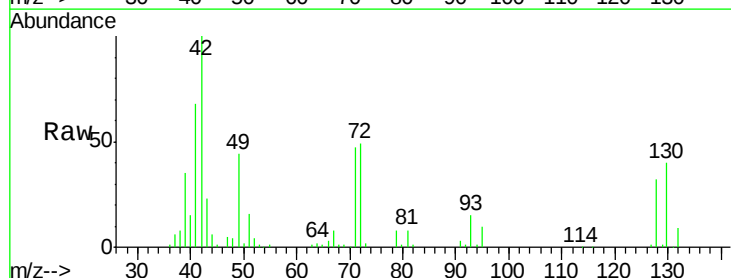
Tgt Ion: 49 Resp: 64676

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

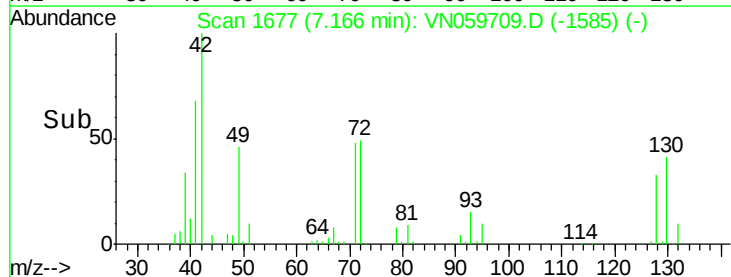
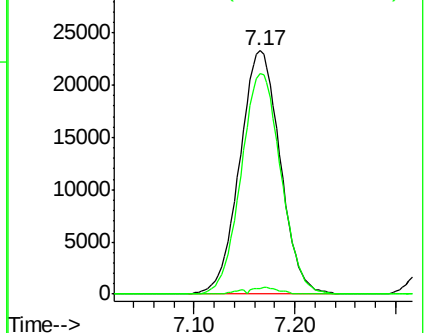
130 89.5 54.7 82.1#

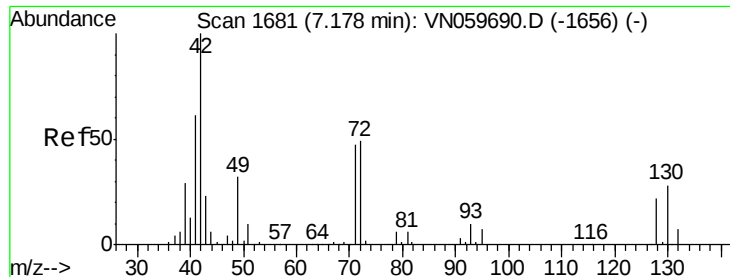


Abundance Ion 48.90 (48.60 to 49.60): VN059709.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059709.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059709.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 219.466 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

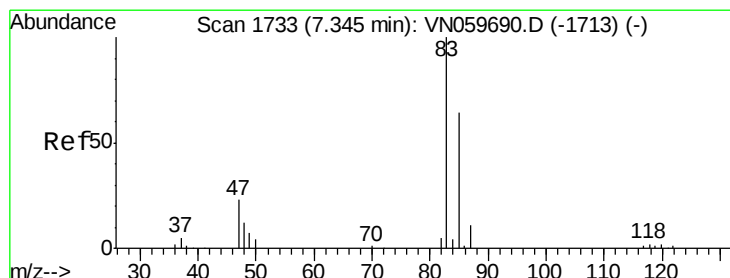
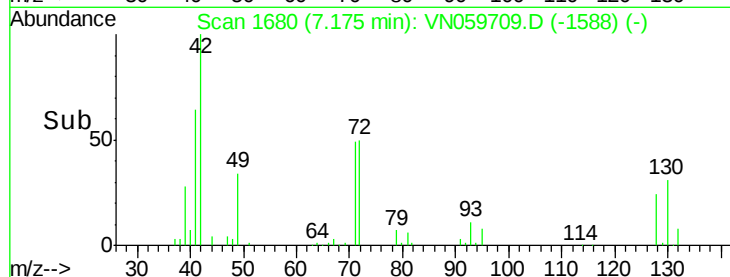
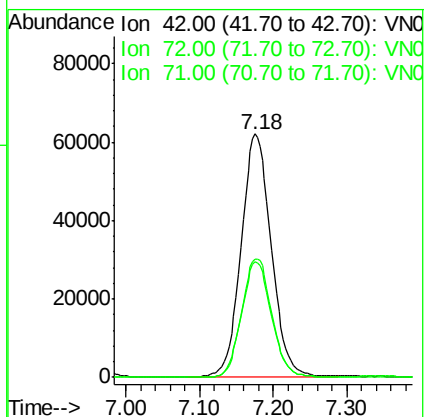
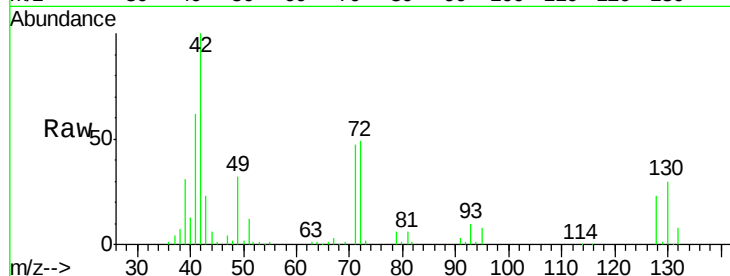
Tgt Ion: 42 Resp: 177589

Ion Ratio Lower Upper

42 100

72 48.6 33.1 49.7

71 46.9 31.4 47.0



#30

Chloroform

Concen: 49.615 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN059709.D

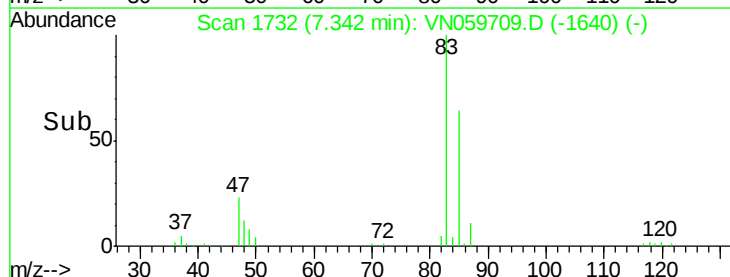
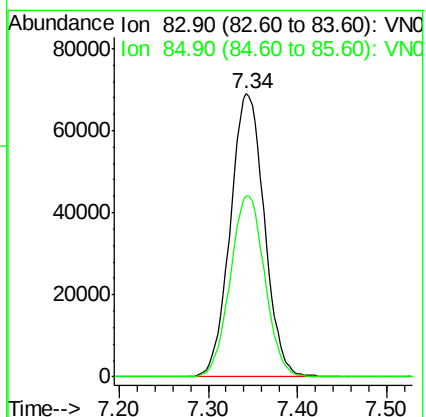
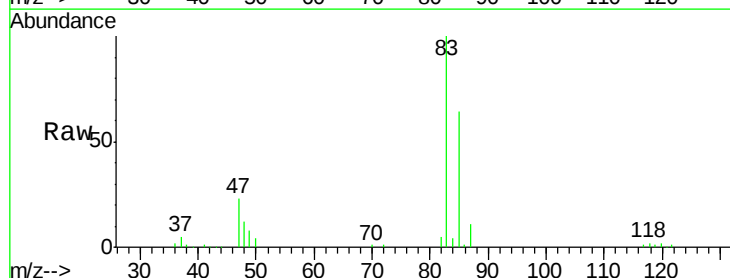
Acq: 15 Jan 2020 9:47

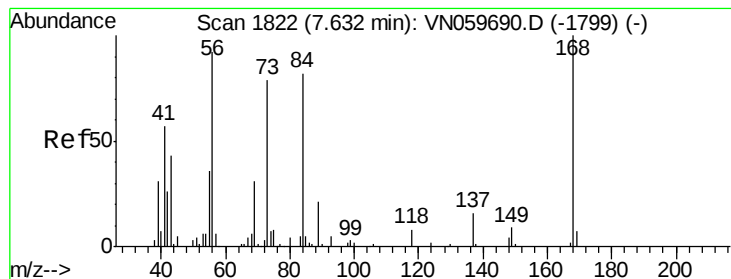
Tgt Ion: 83 Resp: 182553

Ion Ratio Lower Upper

83 100

85 64.0 52.4 78.6





#31

Cyclohexane

Concen: 46.554 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

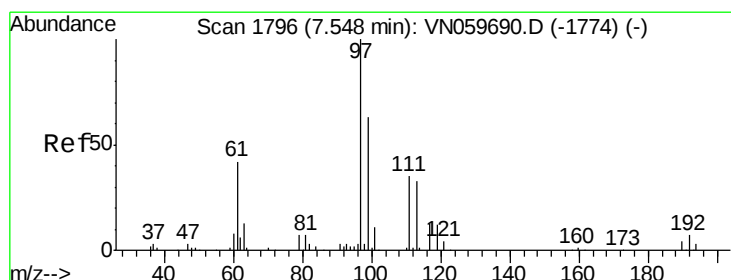
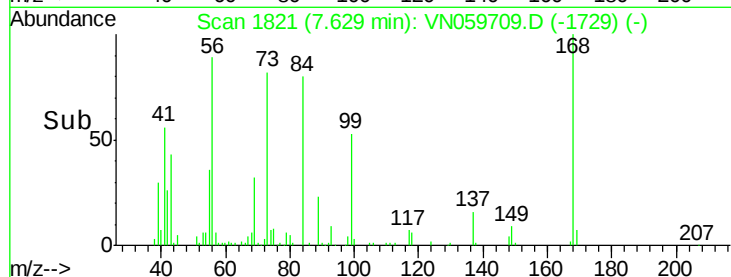
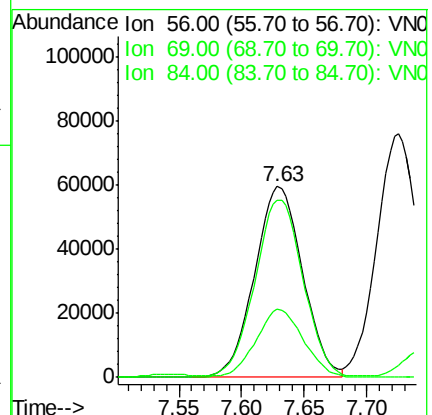
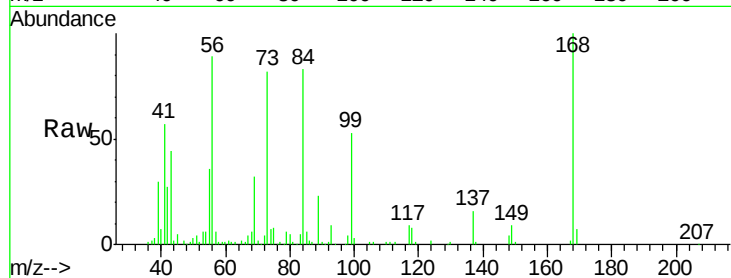
Tgt Ion: 56 Resp: 159077

Ion Ratio Lower Upper

56 100

69 35.5 26.5 39.7

84 92.1 65.3 97.9



#32

1,1,1-Trichloroethane

Concen: 49.406 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

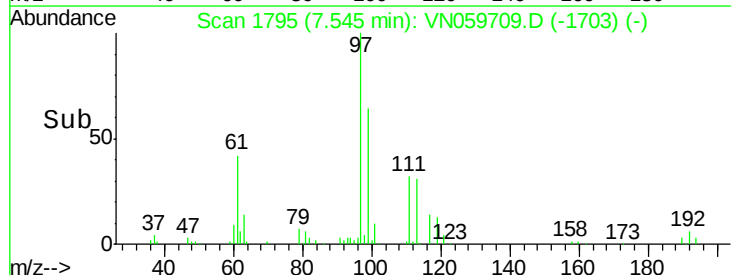
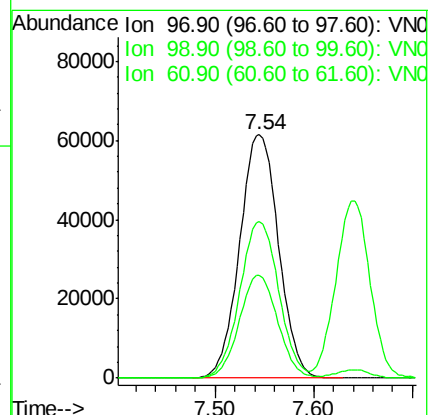
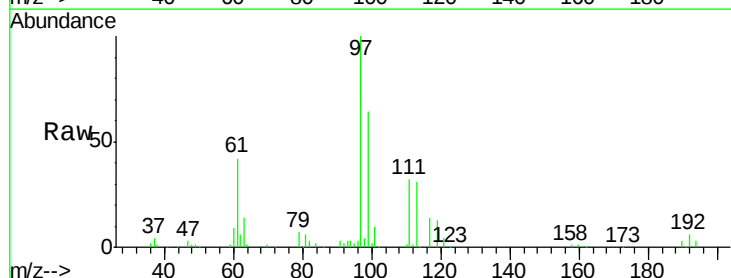
Tgt Ion: 97 Resp: 168077

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 41.8 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 45.907 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

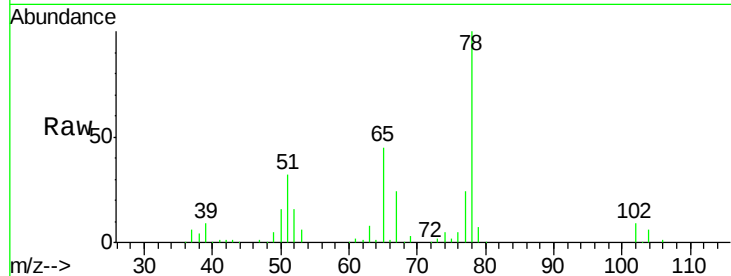
VSTDCCC050

Tgt Ion: 65 Resp: 106020

Ion Ratio Lower Upper

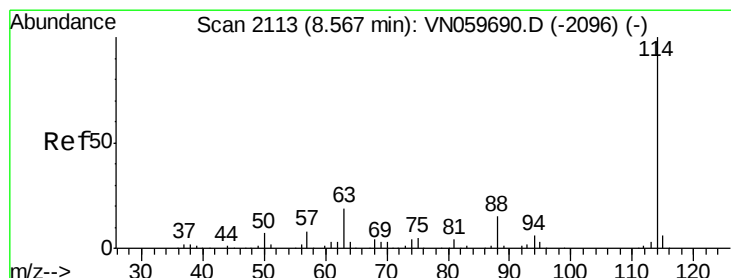
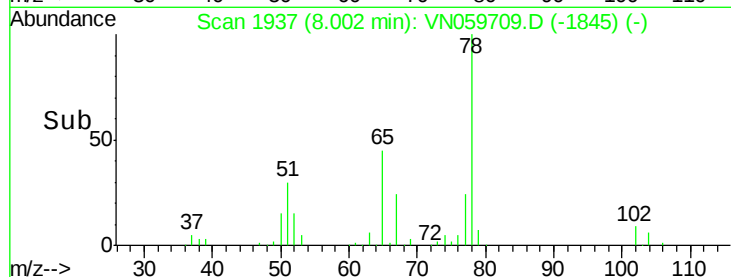
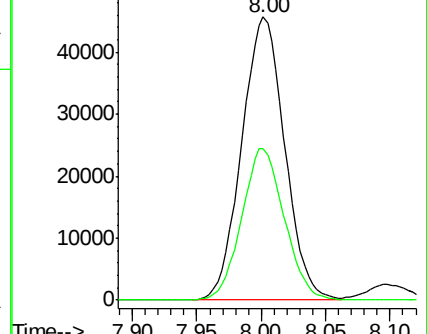
65 100

67 53.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059690.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059690.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

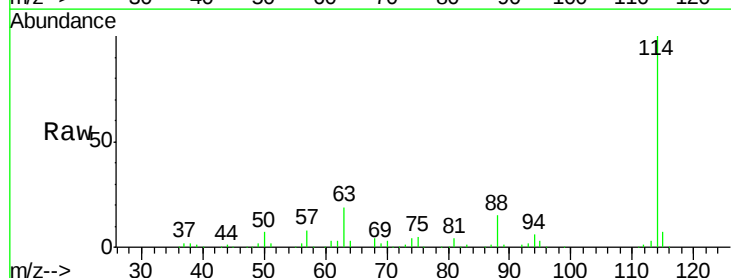
Tgt Ion: 114 Resp: 311453

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.6

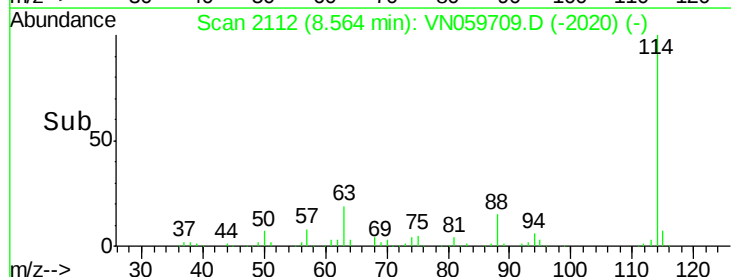
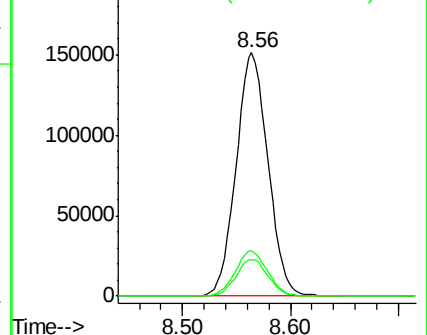
88 15.1 0.0 31.4

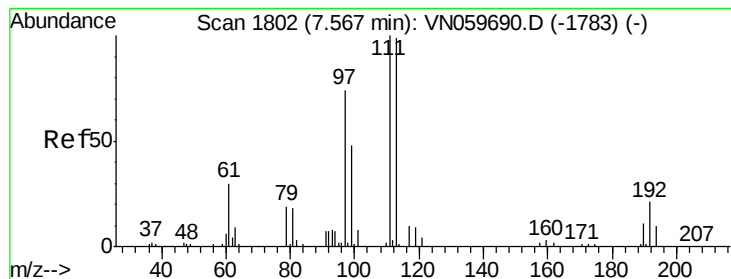


Abundance Ion 113.90 (113.60 to 114.60): VN059690.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059690.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN059690.D (-2096) (-)





#35

Dibromofluoromethane

Concen: 49.547 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

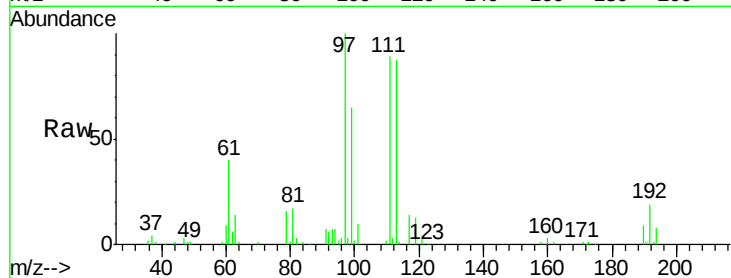
Tgt Ion: 113 Resp: 92026

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

192 21.2 15.4 23.2

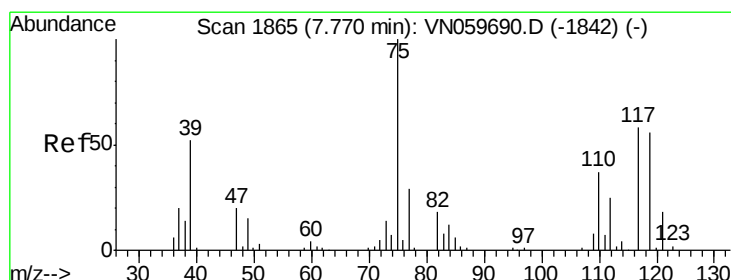
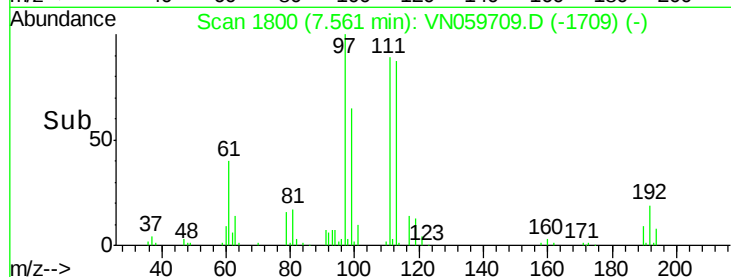
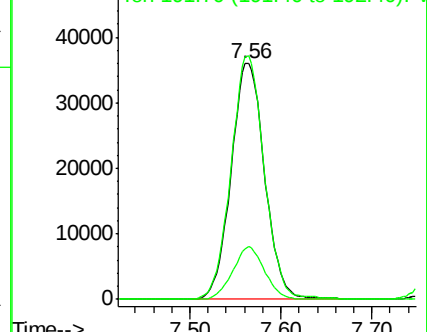


Abundance

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: 51.817 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

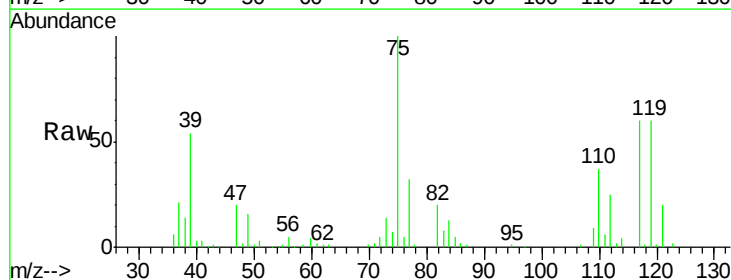
Tgt Ion: 75 Resp: 140540

Ion Ratio Lower Upper

75 100

110 37.1 16.6 49.7

77 31.1 25.1 37.7

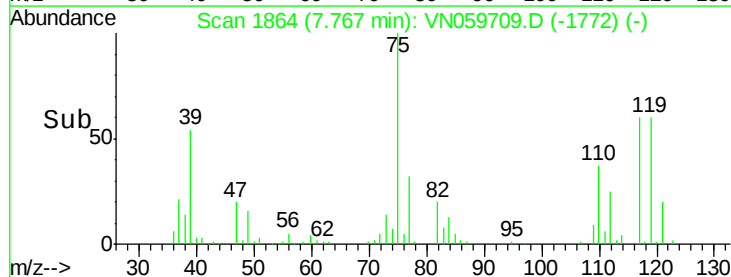
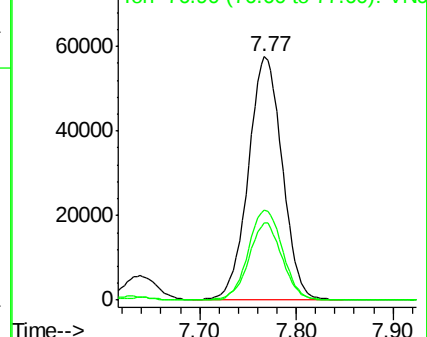


Abundance

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

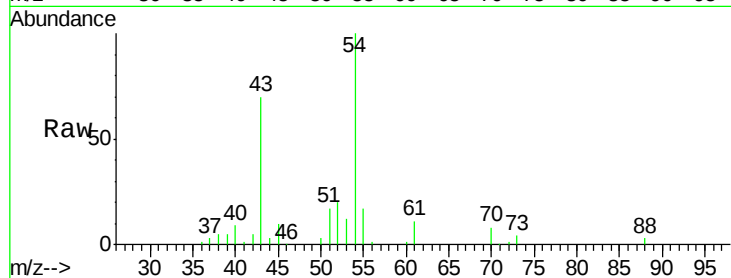




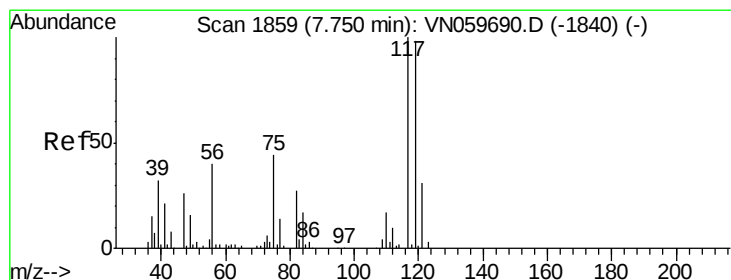
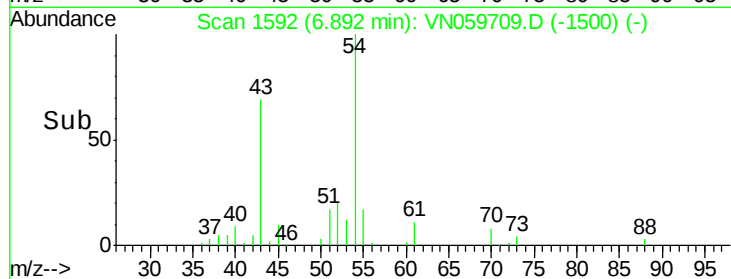
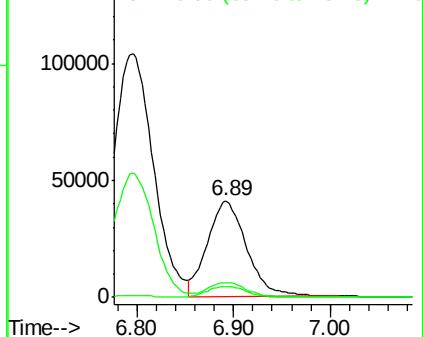
#37
 Ethyl Acetate
 Concen: 45.429 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN059709.D
 Acq: 15 Jan 2020 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 115565
 Ion Ratio Lower Upper
 43 100
 61 15.5 10.9 16.3
 70 11.3 7.7 11.5

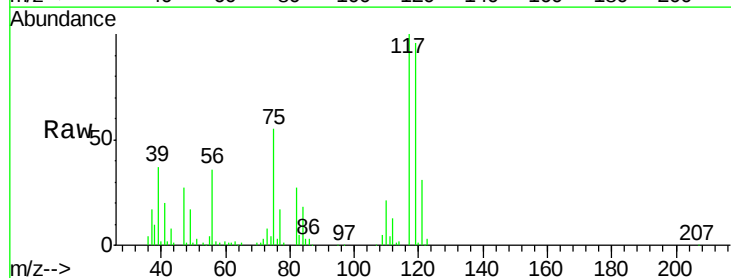


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

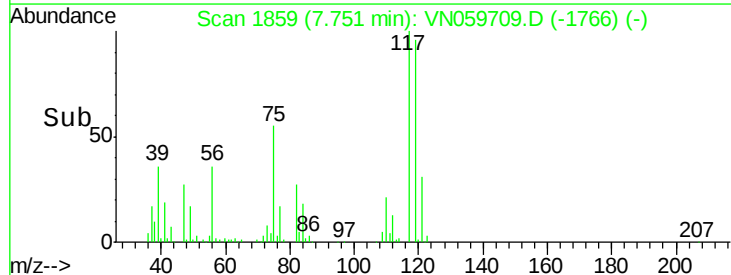
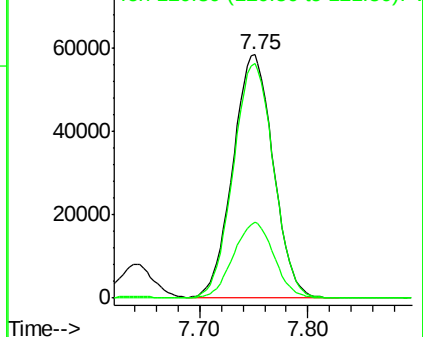


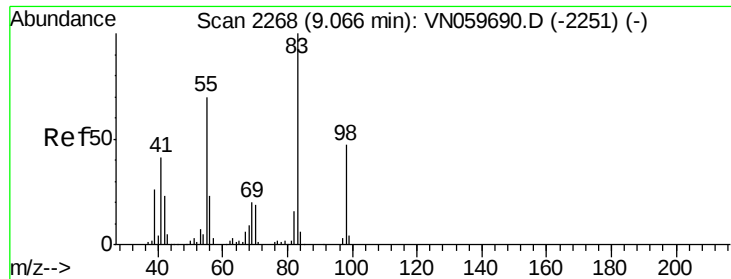
#38
 Carbon Tetrachloride
 Concen: 51.587 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN059709.D
 Acq: 15 Jan 2020 9:47

Tgt Ion: 117 Resp: 152199
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.5 114.7
 121 31.2 25.1 37.7



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

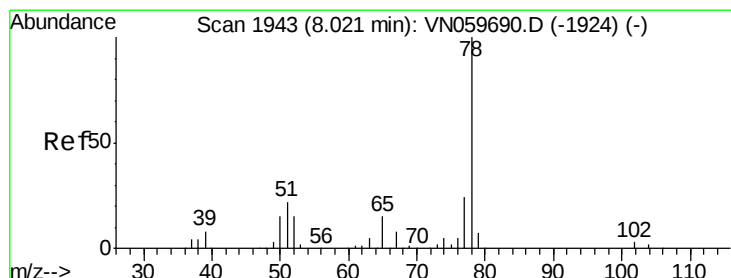
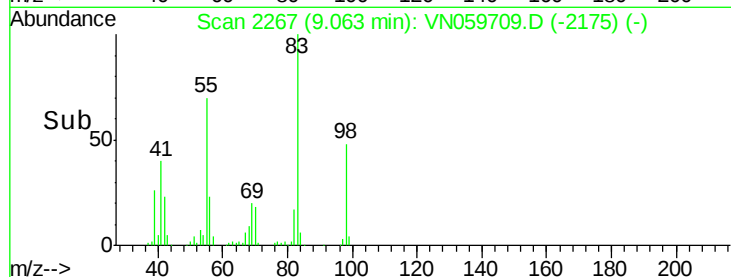
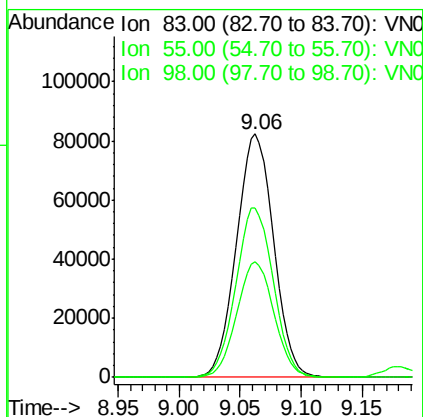
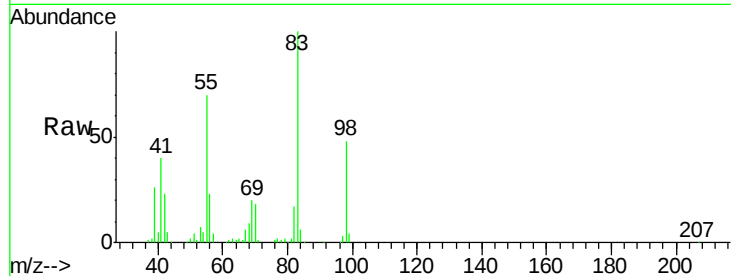




#39
Methylcyclohexane
Concen: 52.038 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

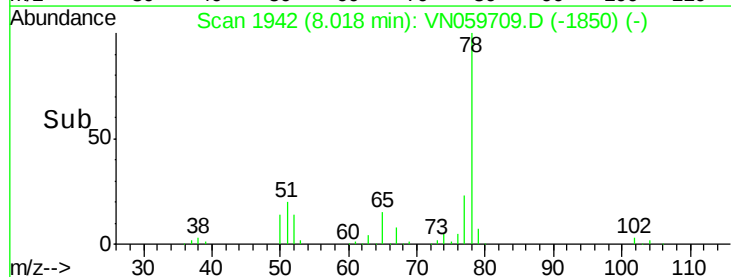
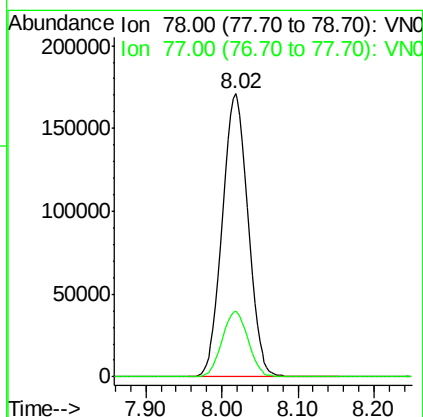
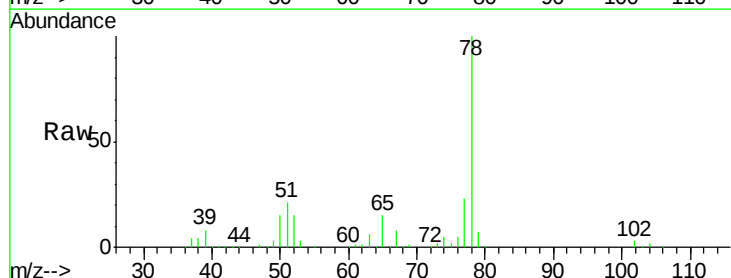
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 83 Resp: 174030
Ion Ratio Lower Upper
83 100
55 69.8 64.2 96.2
98 47.7 35.9 53.9



#40
Benzene
Concen: 50.063 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059709.D
Acq: 15 Jan 2020 9:47

Tgt Ion: 78 Resp: 404956
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3





#41

Methacrylonitrile

Concen: 133.793 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.02 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 167642

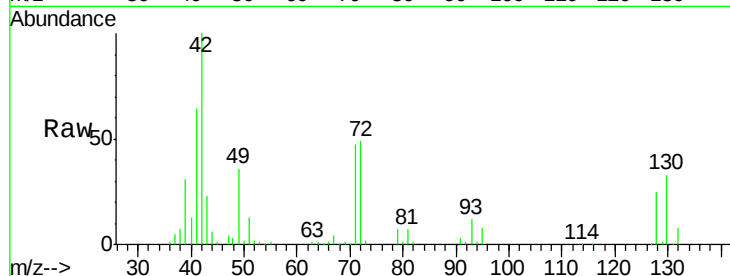
Ion Ratio Lower Upper

41 100

39 52.0 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

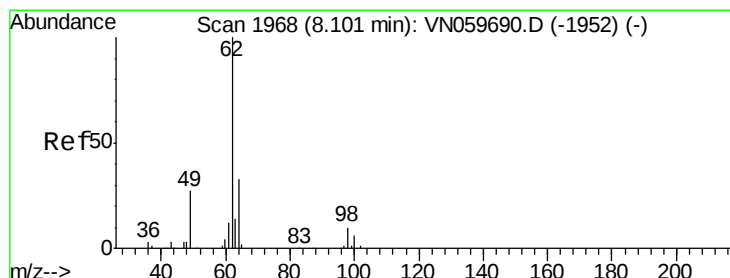
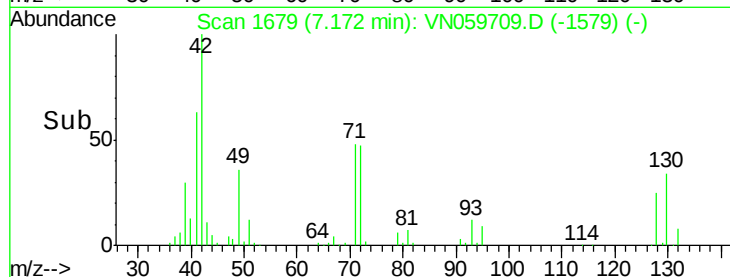
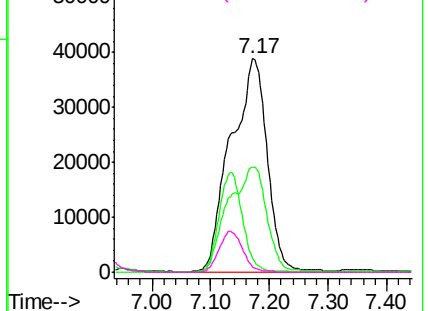


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 50.671 ug/l

RT: 8.10 min Scan# 1967

Delta R.T. -0.00 min

Lab File: VN059709.D

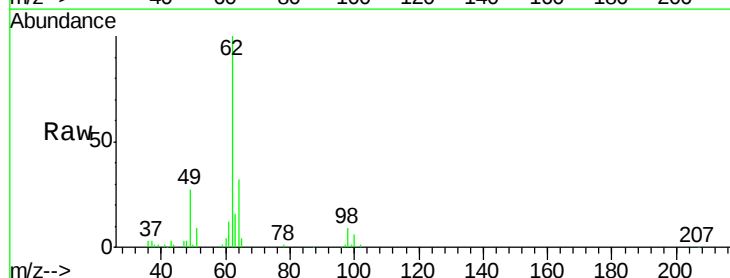
Acq: 15 Jan 2020 9:47

Tgt Ion: 62 Resp: 138968

Ion Ratio Lower Upper

62 100

98 9.2 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

