

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011420\
 Data File : VN059695.D
 Acq On : 14 Jan 2020 9:27
 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 14 22:14:47 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	194695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	298180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	98949	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.56	113	84507	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.08	98	320478	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	114594	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	127745	55.711	ug/l	97
3) Chloromethane	2.03	50	121084	54.322	ug/l	99
4) Vinyl Chloride	2.17	62	145141	56.910	ug/l	97
5) Bromomethane	2.54	94	88276	56.717	ug/l	98
6) Chloroethane	2.68	64	66956	55.492	ug/l	100
7) Trichlorofluoromethane	3.00	101	169628	55.383	ug/l	99
8) Diethyl Ether	3.38	74	60462	56.250	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.73	101	97905	57.433	ug/l	92
10) Methyl Iodide	3.93	142	145790	52.910	ug/l	95
11) Tert butyl alcohol	4.73	59	92534	254.225	ug/l	100
12) 1,1-Dichloroethene	3.71	96	96578	54.219	ug/l	89
13) Acrolein	3.58	56	63334	245.808	ug/l	96
14) Allyl chloride	4.29	41	145634	60.658	ug/l #	93
15) Acrylonitrile	4.94	53	219411	264.262	ug/l	99
16) Acetone	3.78	43	195203	265.316	ug/l	95
17) Carbon Disulfide	4.03	76	278839	54.952	ug/l	100
18) Methyl Acetate	4.29	43	127884	50.637	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	315537	54.331	ug/l	95
20) Methylene Chloride	4.52	84	103567	53.022	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	104524	55.203	ug/l	90
22) Diisopropyl ether	5.91	45	297827	54.738	ug/l #	96
23) Vinyl Acetate	5.86	43	1160932	275.585	ug/l	95
24) 1,1-Dichloroethane	5.81	63	182188	54.801	ug/l	98
25) 2-Butanone	6.80	43	319451	260.903	ug/l	94
26) 2,2-Dichloropropane	6.79	77	174299	54.534	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	119483	54.864	ug/l	88
28) Bromochloromethane	7.17	49	67780	51.010	ug/l #	76
29) Tetrahydrofuran	7.18	42	190077	250.906	ug/l	88
30) Chloroform	7.35	83	191702	55.652	ug/l	98
31) Cyclohexane	7.63	56	166243	51.967	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	176487	55.413	ug/l	96
36) 1,1-Dichloropropene	7.77	75	145096	55.878	ug/l	96
37) Ethyl Acetate	6.89	43	122872	50.452	ug/l	95
38) Carbon Tetrachloride	7.75	117	159596	56.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	181086	56.558	ug/l	92
40) Benzene	8.02	78	423568	54.695	ug/l	100
41) Methacrylonitrile	7.18	41	178619	148.900	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	144479	55.025	ug/l	97
43) Isopropyl Acetate	8.14	43	217684	51.965	ug/l #	94
44) Trichloroethene	8.81	130	120906	57.191	ug/l	93
45) 1,2-Dichloropropane	9.10	63	107092	55.885	ug/l	100
46) Dibromomethane	9.19	93	75071	55.535	ug/l	91
47) Bromodichloromethane	9.39	83	154088	56.566	ug/l	99
48) Methyl methacrylate	9.18	41	98842	52.751	ug/l	92
49) 1,4-Dioxane	9.18	88	36683	1069.422	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	619616	255.874	ug/l	95
52) Toluene	10.14	92	273027	55.816	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	172708	56.781	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	183242	57.257	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	105802	54.612	ug/l	98
56) Ethyl methacrylate	10.42	69	161611	54.593	ug/l	91
57) 1,3-Dichloropropane	10.70	76	171731	55.833	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	214478	240.542	ug/l	92
59) 2-Hexanone	10.74	43	498853	279.630	ug/l	94
60) Dibromochloromethane	10.89	129	125267	56.780	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112234	55.272	ug/l	99
64) Tetrachloroethene	10.62	164	110229	50.430	ug/l	96
65) Chlorobenzene	11.43	112	292189	55.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	114956	56.438	ug/l	99
67) Ethyl Benzene	11.50	91	528146	55.192	ug/l	97
68) m/p-Xylenes	11.62	106	406388	112.426	ug/l	94
69) o-Xylene	11.94	106	196333	55.480	ug/l	94
70) Styrene	11.96	104	336659	56.852	ug/l	96
71) Bromoform	12.12	173	93080	57.050	ug/l #	99
73) Isopropylbenzene	12.25	105	526972	53.271	ug/l	99
74) N-amyl acetate	12.06	43	197280	51.395	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	147734	51.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	196384	86.514	ug/l #	100
77) Bromobenzene	12.52	156	134603	53.731	ug/l	80
78) n-propylbenzene	12.59	91	605405	54.526	ug/l	97
79) 2-Chlorotoluene	12.67	91	348604	52.777	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	450183	54.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	56545	53.495	ug/l	93
82) 4-Chlorotoluene	12.77	91	362099	54.655	ug/l	95
83) tert-Butylbenzene	12.99	119	386059	53.654	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	453902	55.148	ug/l	99
85) sec-Butylbenzene	13.17	105	517787	54.772	ug/l	99
86) p-Isopropyltoluene	13.28	119	475354	54.343	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	241383	55.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	241443	55.618	ug/l	98
89) n-Butylbenzene	13.61	91	428116	57.401	ug/l	98
90) Hexachloroethane	13.87	117	89580	54.735	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	235030	54.633	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32410	52.769	ug/l	81

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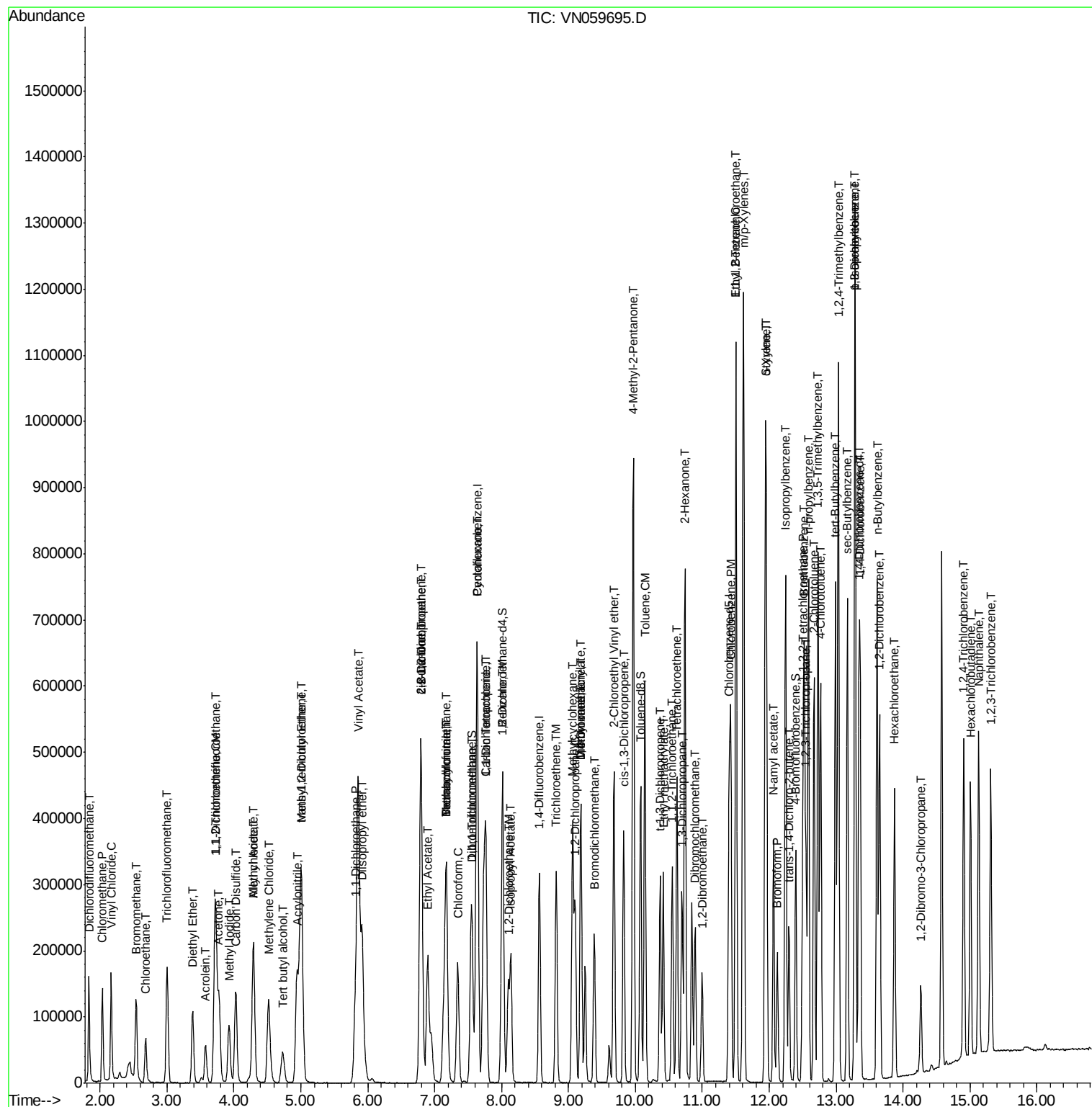
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158529	61.327	ug/l	98
94) Hexachlorobutadiene	15.01	225	80460	56.484	ug/l	99
95) Naphthalene	15.13	128	427710	58.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	150537	59.829	ug/l	99

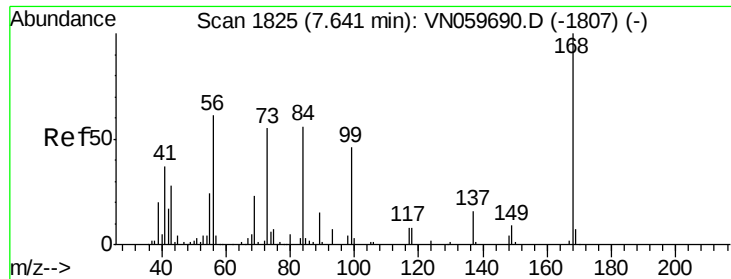
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN011420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

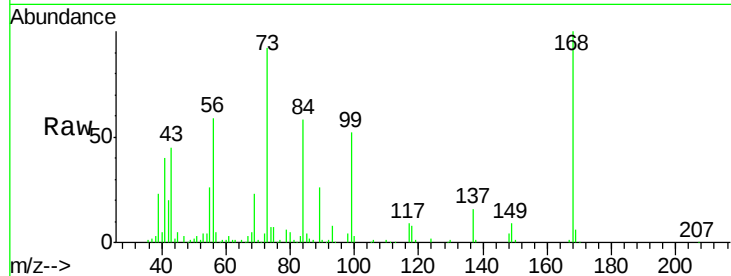
VSTDCCC050

Tgt Ion:168 Resp: 194695

Ion Ratio Lower Upper

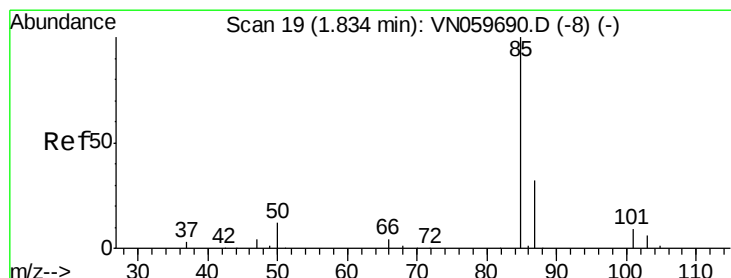
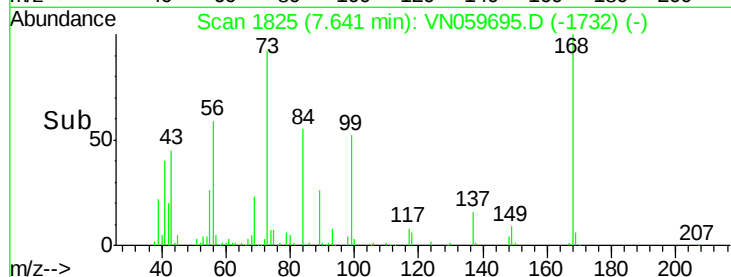
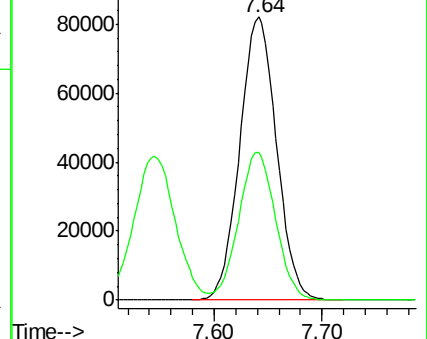
168 100

99 52.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 55.711 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059695.D

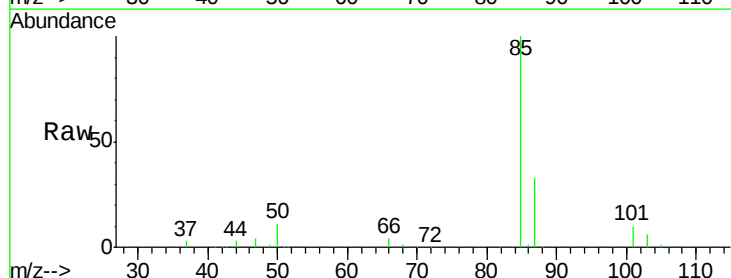
Acq: 14 Jan 2020 9:27

Tgt Ion: 85 Resp: 127745

Ion Ratio Lower Upper

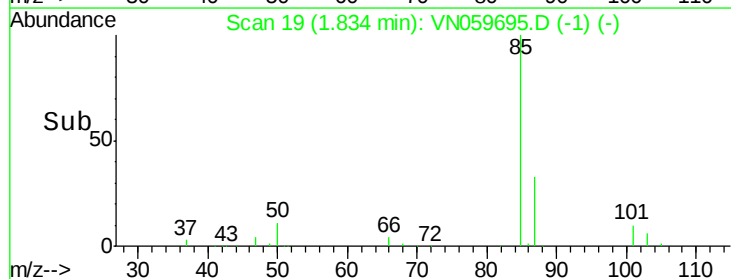
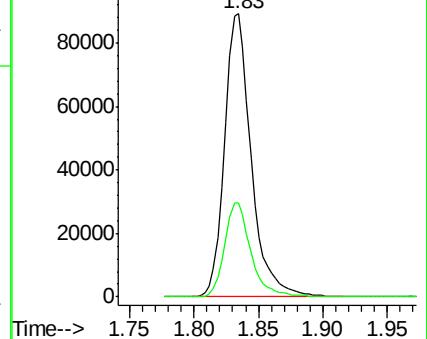
85 100

87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.322 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

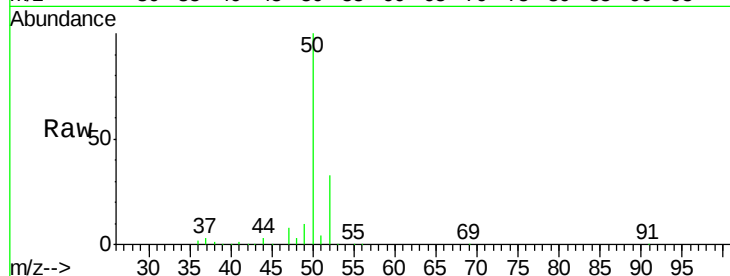
VSTDCCC050

Tgt Ion: 50 Resp: 121084

Ion Ratio Lower Upper

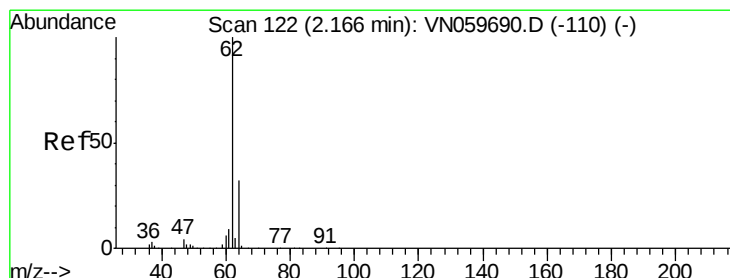
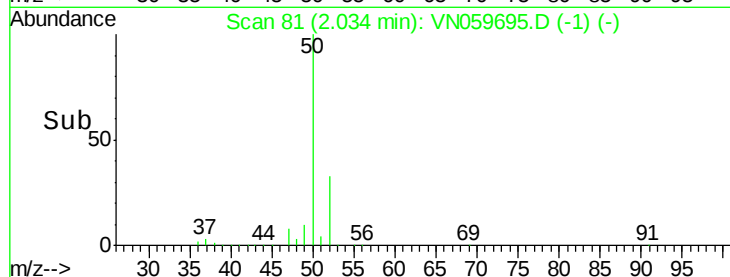
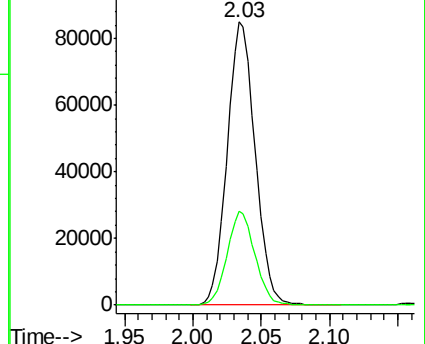
50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059695.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059695.D (-71) (-)



#4

Vinyl Chloride

Concen: 56.910 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059695.D

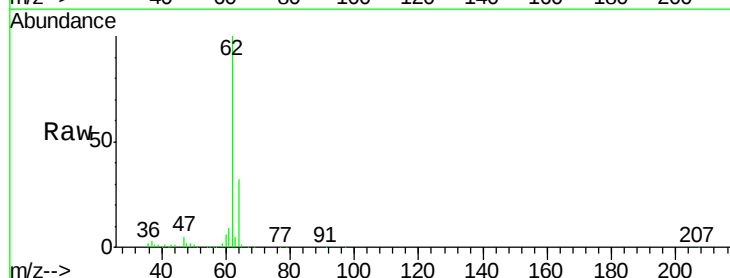
Acq: 14 Jan 2020 9:27

Tgt Ion: 62 Resp: 145141

Ion Ratio Lower Upper

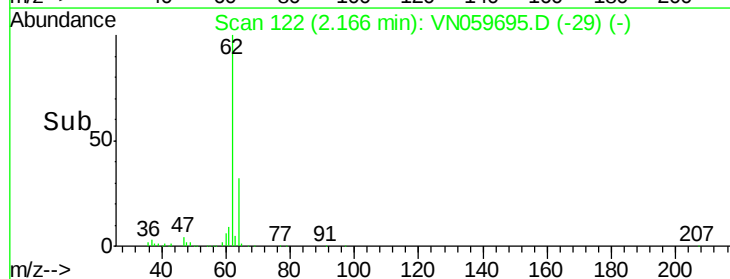
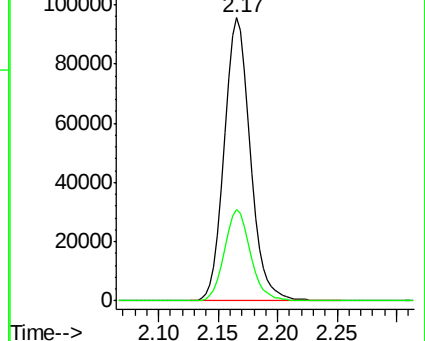
62 100

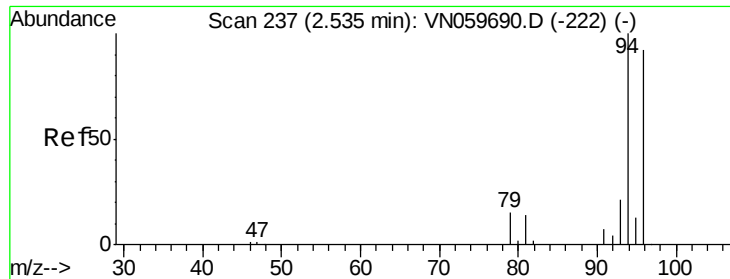
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059695.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059695.D (-110) (-)

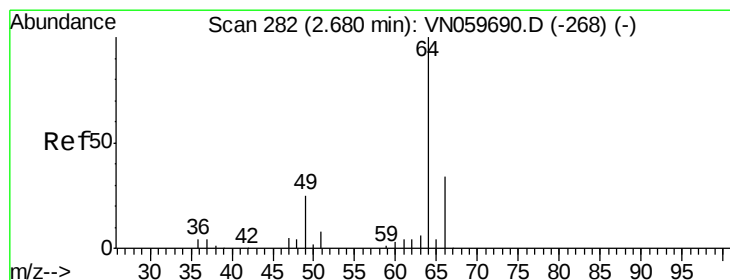
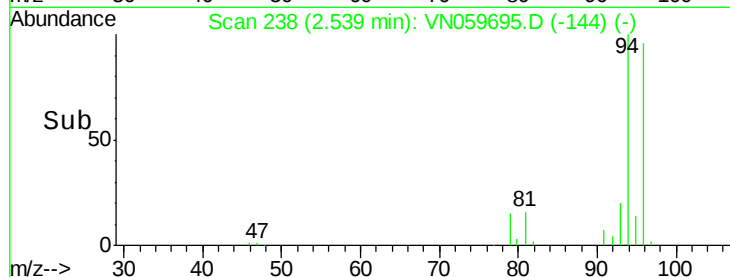
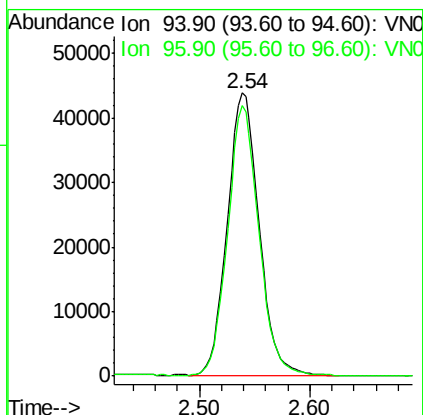
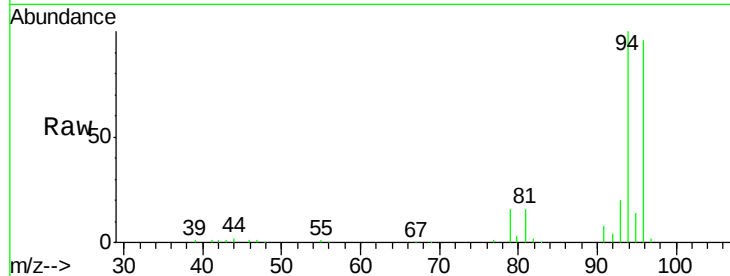




#5
Bromomethane
Concen: 56.717 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

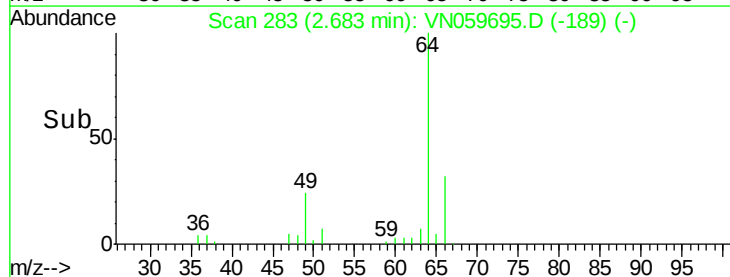
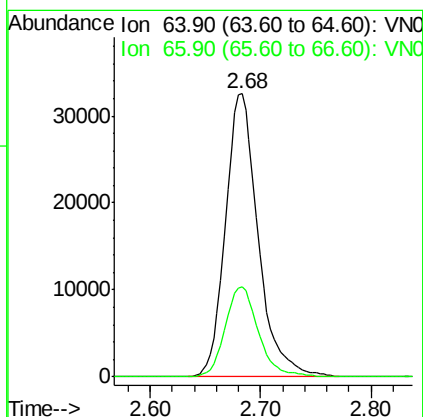
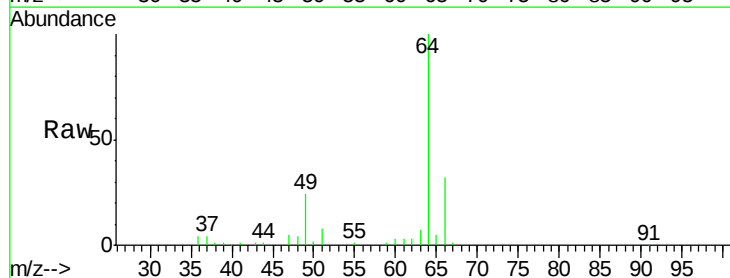
Instrument :
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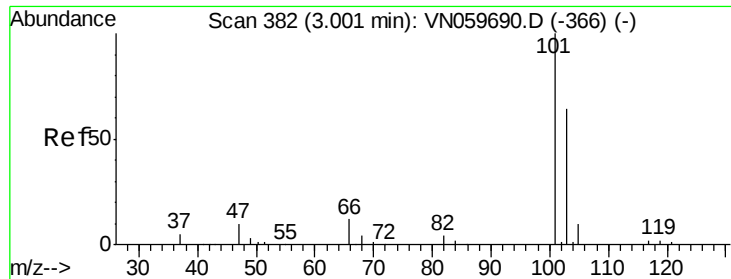
Tgt Ion: 94 Resp: 88276
Ion Ratio Lower Upper
94 100
96 95.7 74.7 112.1



#6
Chloroethane
Concen: 55.492 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 64 Resp: 66956
Ion Ratio Lower Upper
64 100
66 31.6 25.1 37.7



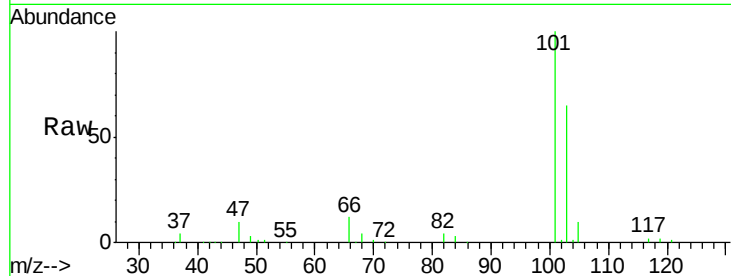


#7

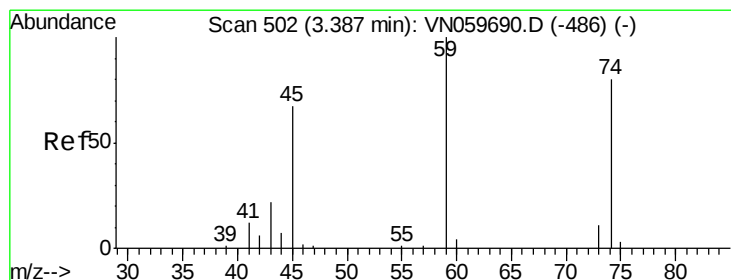
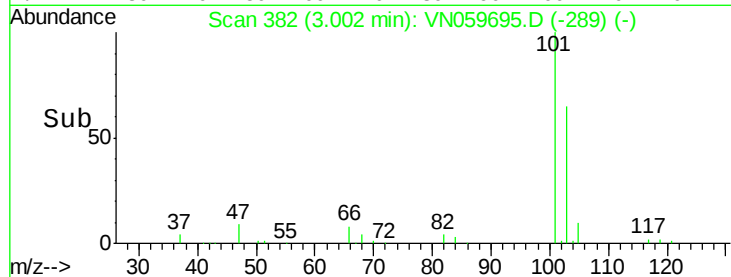
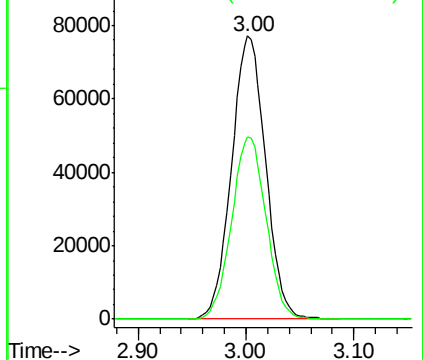
Trichlorofluoromethane
Concen: 55.383 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 101 Resp: 169628
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6



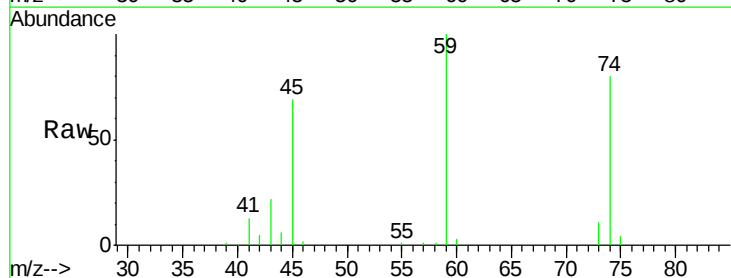
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



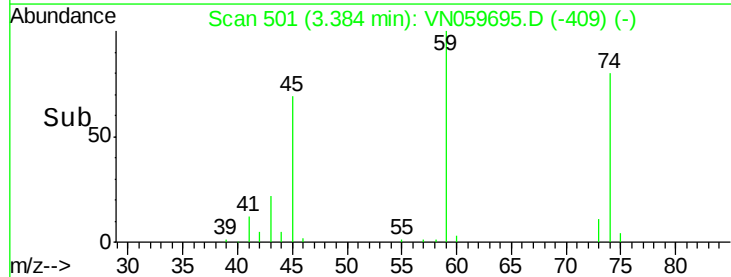
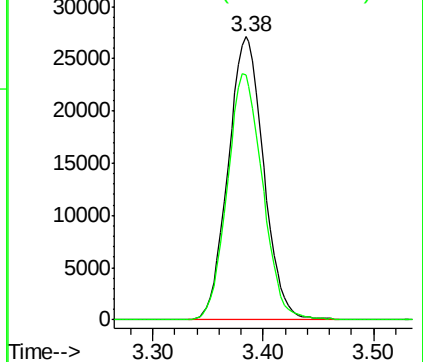
#8

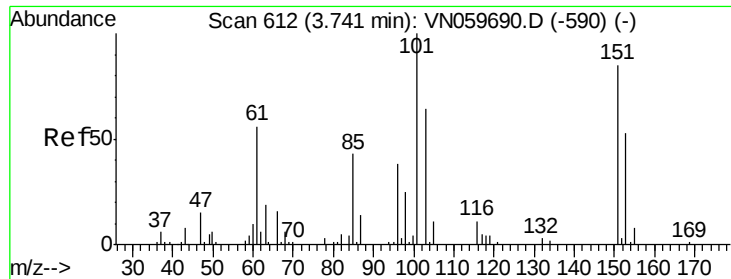
Diethyl Ether
Concen: 56.250 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 74 Resp: 60462
Ion Ratio Lower Upper
74 100
45 86.4 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.433 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

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VSTDCCC050

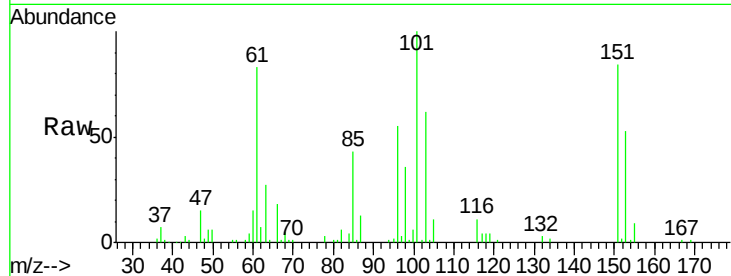
Tgt Ion:101 Resp: 97905

Ion Ratio Lower Upper

101 100

85 43.5 36.6 54.8

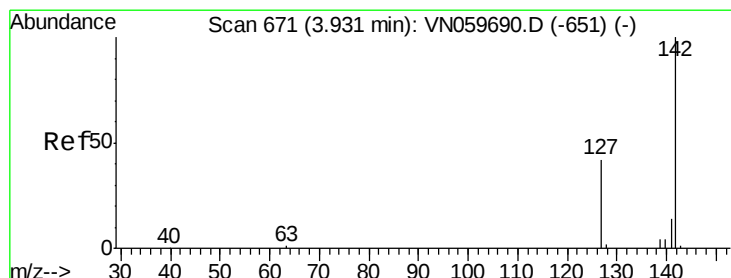
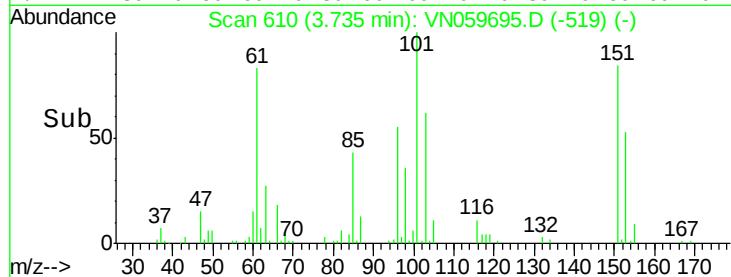
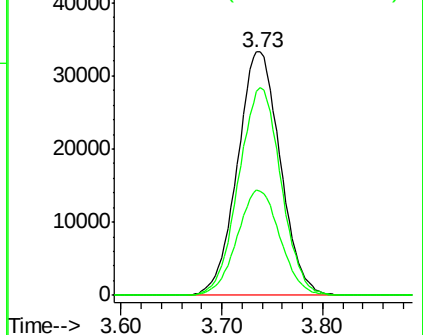
151 84.4 59.7 89.5



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: 52.910 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

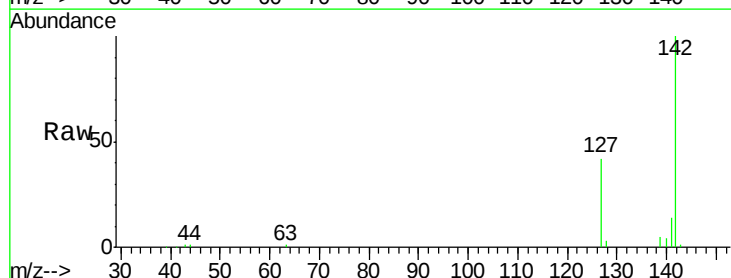
Tgt Ion:142 Resp: 145790

Ion Ratio Lower Upper

142 100

127 41.9 36.7 55.1

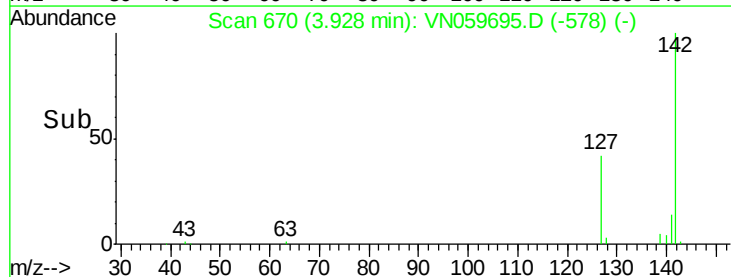
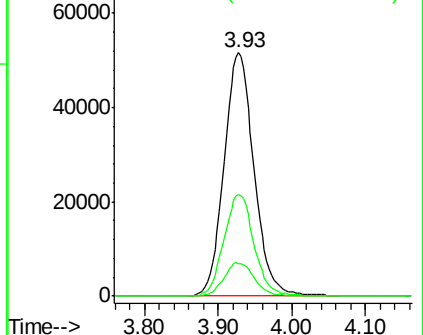
141 13.9 11.7 17.5

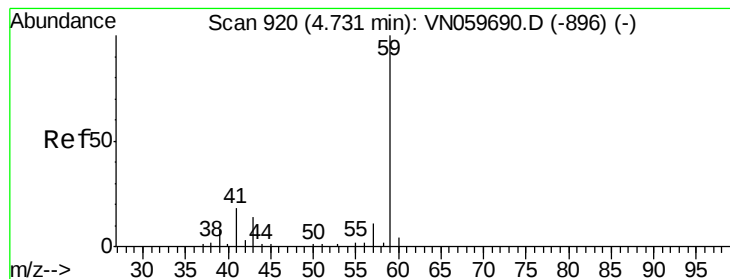


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



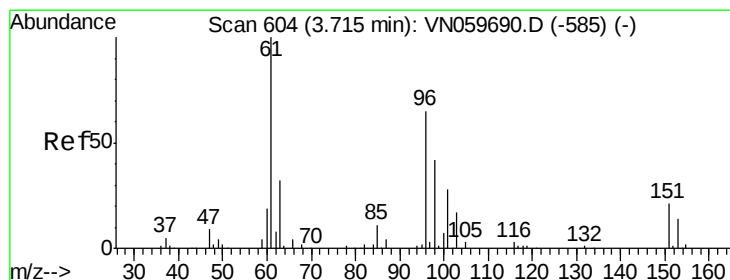
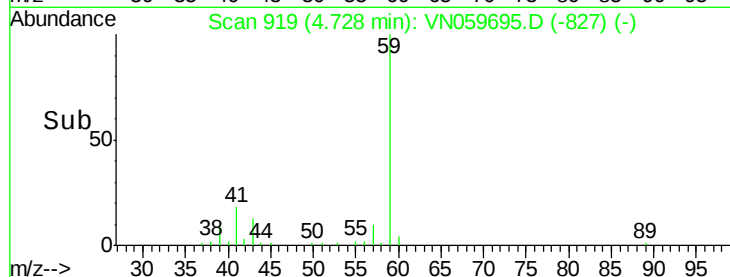
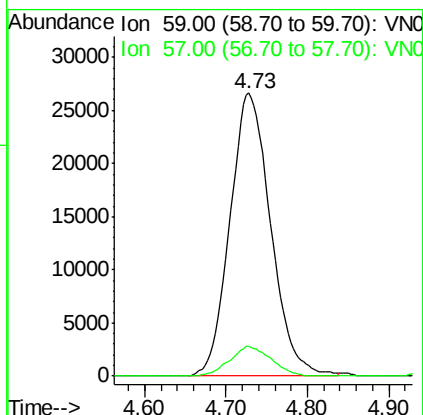
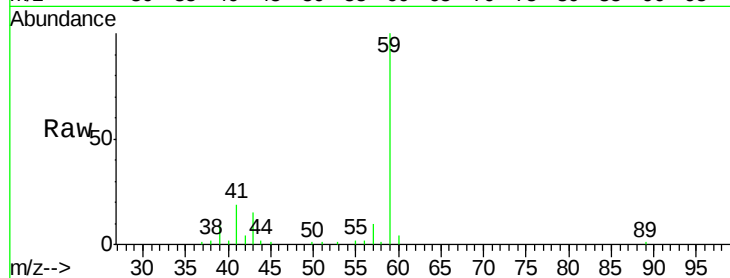


#11

Tert butyl alcohol
 Concen: 254.225 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

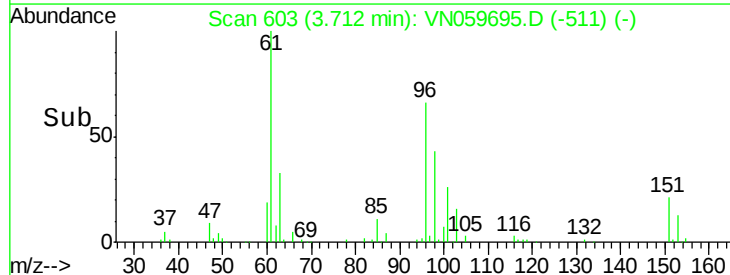
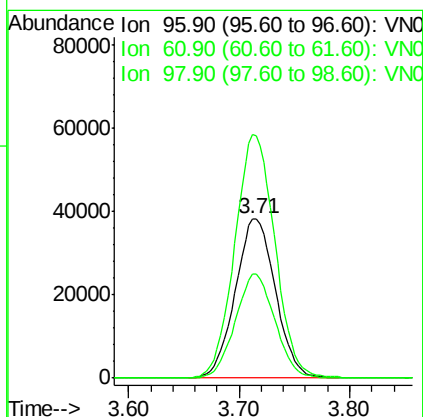
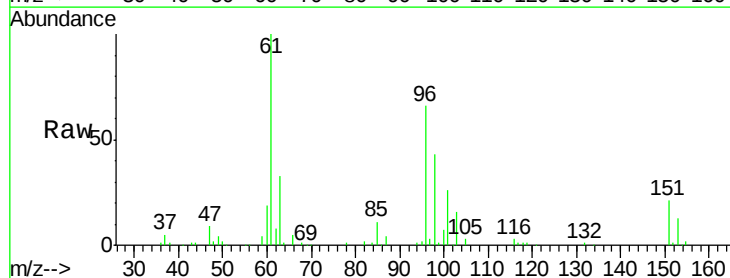
Tgt Ion: 59 Resp: 92534
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 12.8

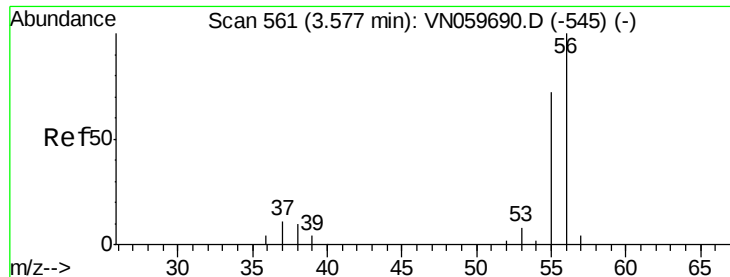


#12

1,1-Dichloroethene
 Concen: 54.219 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 96 Resp: 96578
 Ion Ratio Lower Upper
 96 100
 61 152.6 137.5 206.3
 98 64.9 50.2 75.4





#13

Acrolein

Concen: 245.808 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

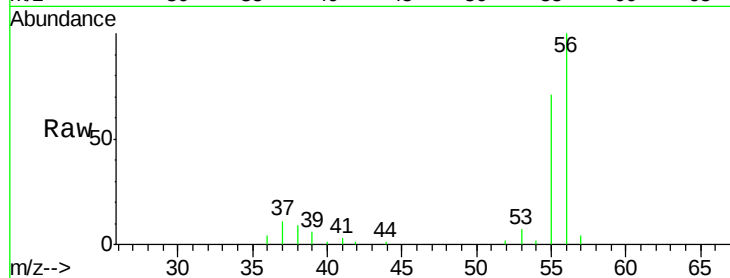
VSTDCCC050

Tgt Ion: 56 Resp: 63334

Ion Ratio Lower Upper

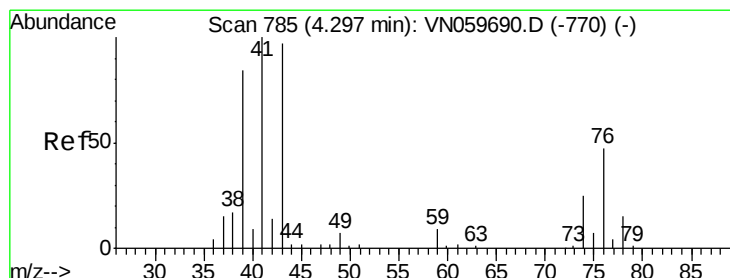
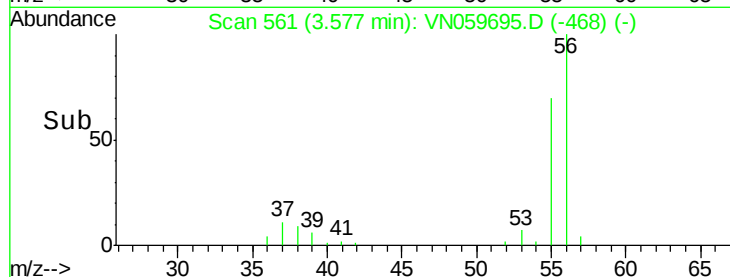
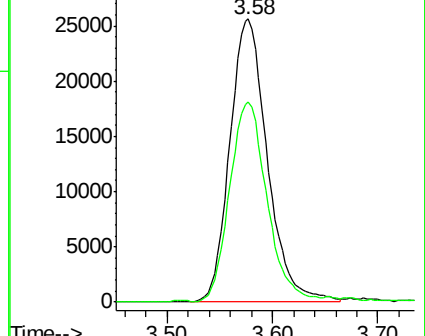
56 100

55 70.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 60.658 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

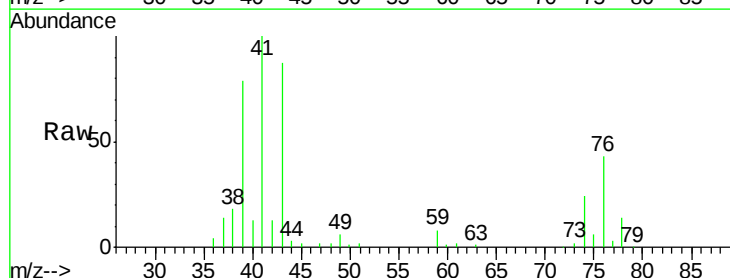
Tgt Ion: 41 Resp: 145634

Ion Ratio Lower Upper

41 100

39 74.8 57.8 86.8

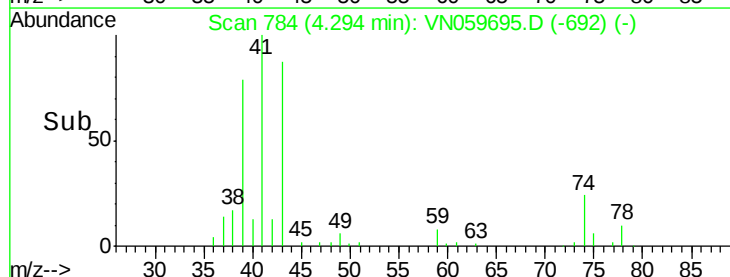
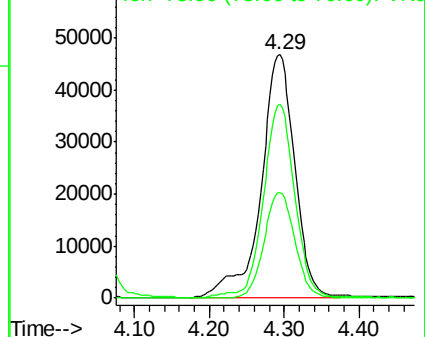
76 39.9 25.4 38.0#

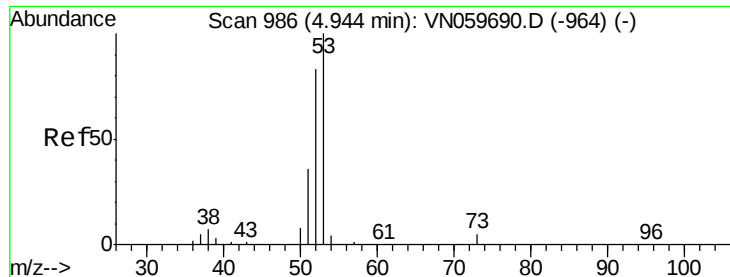


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.262 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

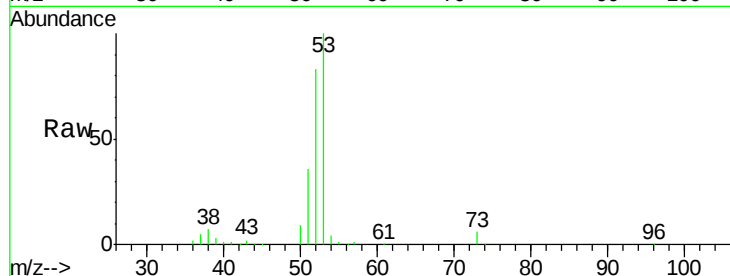
Tgt Ion: 53 Resp: 219411

Ion Ratio Lower Upper

53 100

52 82.0 66.3 99.5

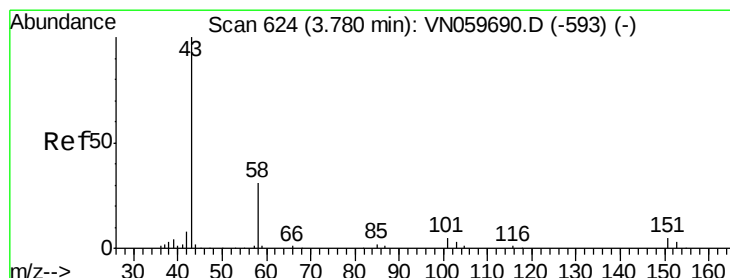
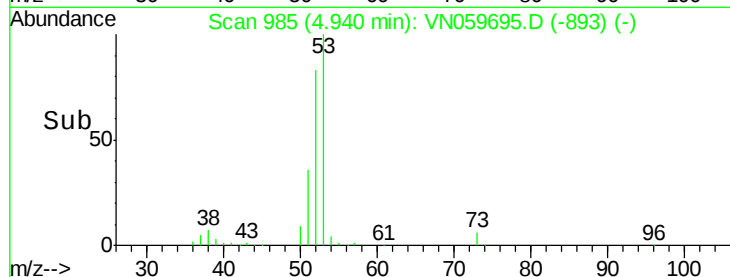
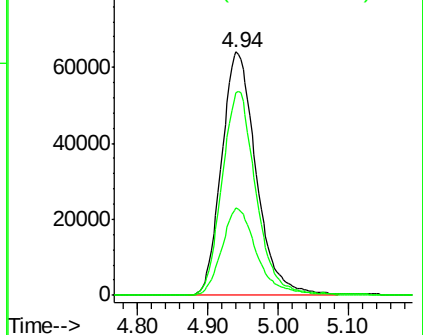
51 36.3 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 265.316 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059695.D

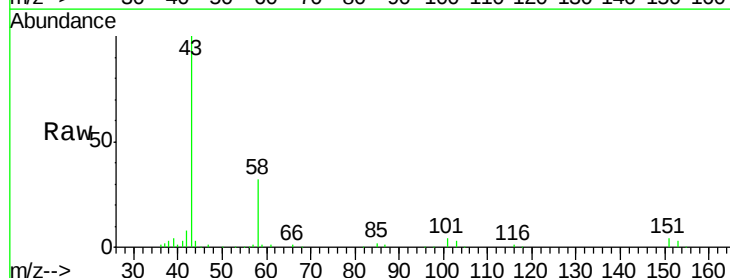
Acq: 14 Jan 2020 9:27

Tgt Ion: 43 Resp: 195203

Ion Ratio Lower Upper

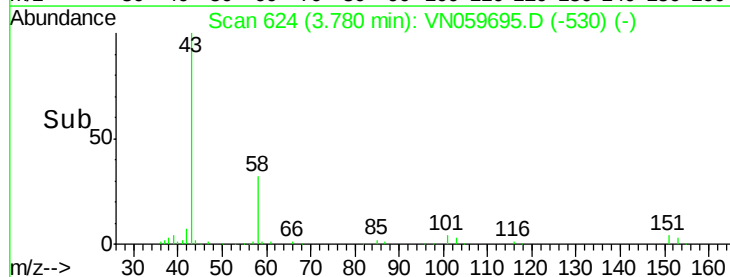
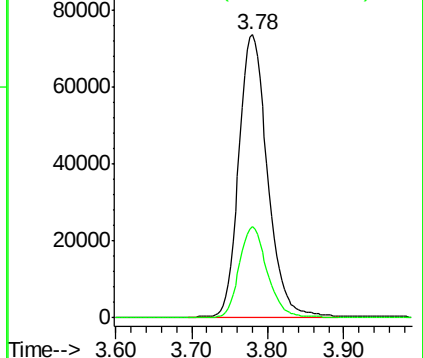
43 100

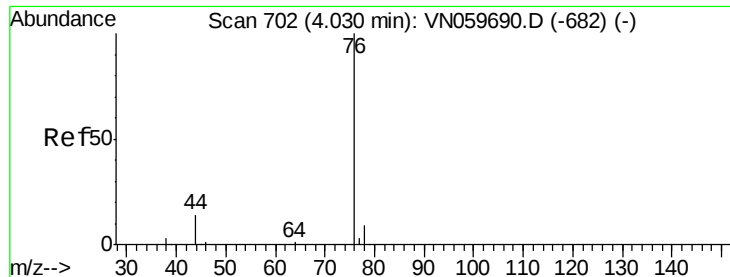
58 32.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 54.952 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

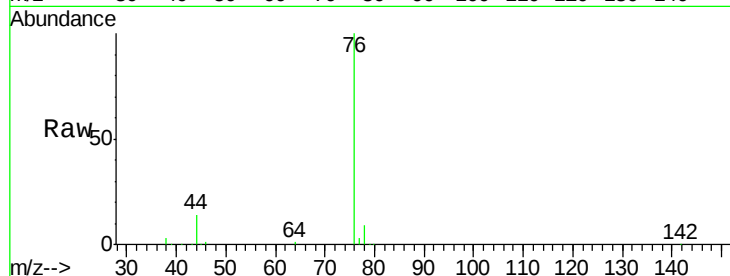
VSTDCCC050

Tgt Ion: 76 Resp: 278839

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

120000

100000

80000

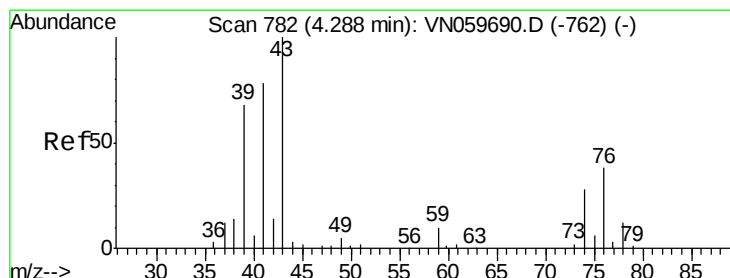
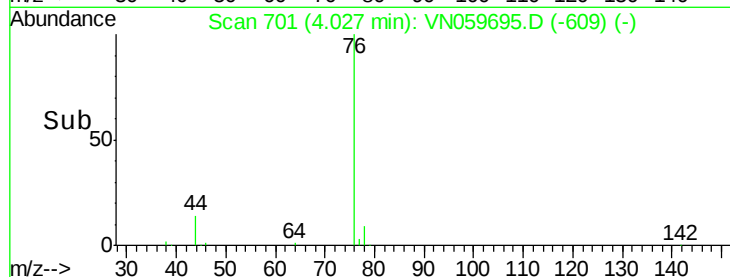
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 50.637 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059695.D

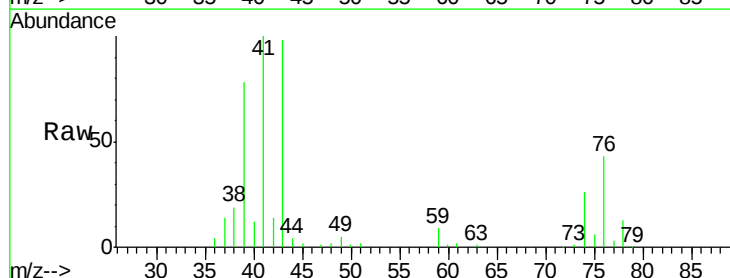
Acq: 14 Jan 2020 9:27

Tgt Ion: 43 Resp: 127884

Ion Ratio Lower Upper

43 100

74 26.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

50000

40000

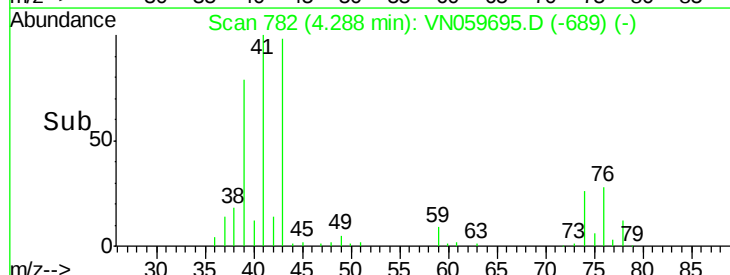
30000

20000

10000

0

Time-->

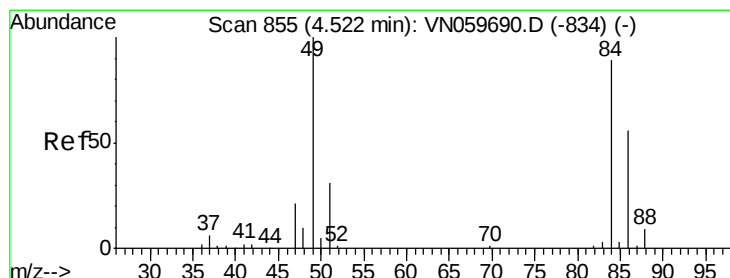
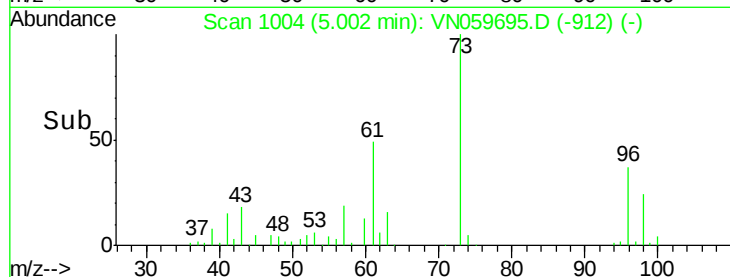
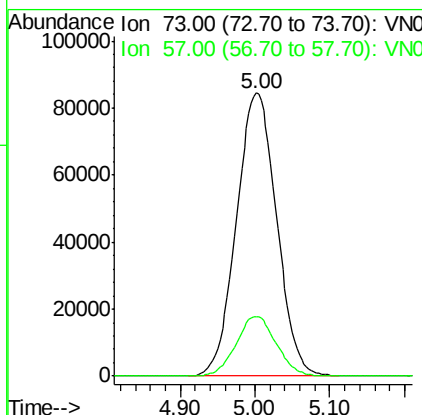
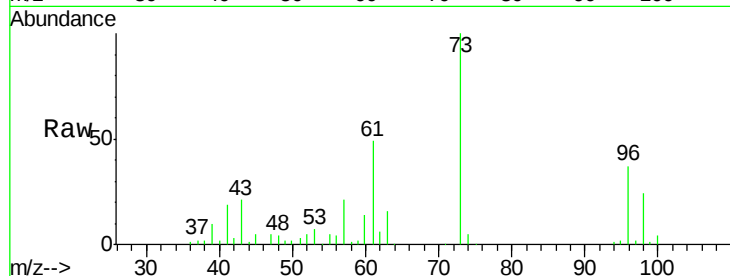




#19
Methyl tert-butyl Ether
Concen: 54.331 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

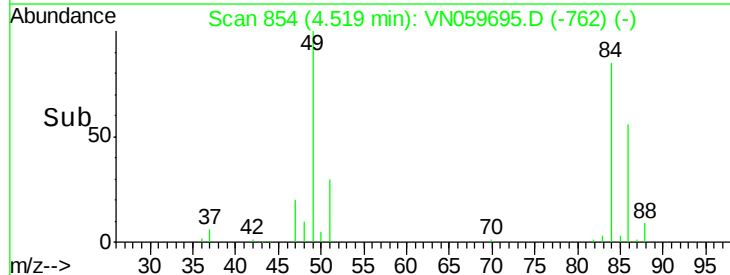
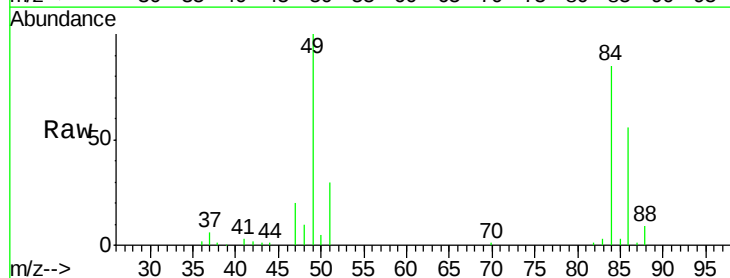
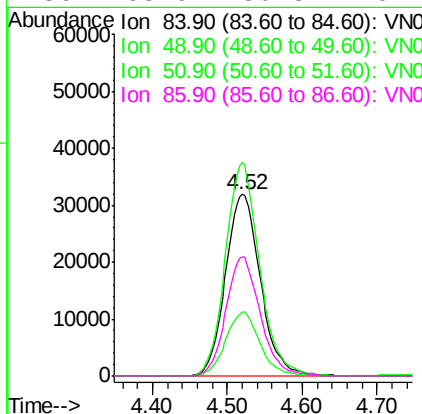
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

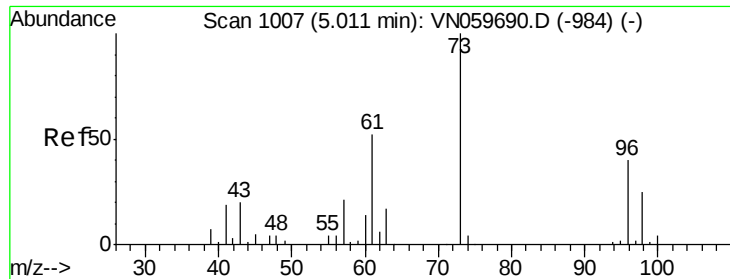
Tgt Ion: 73 Resp: 315537
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8



#20
Methylene Chloride
Concen: 53.022 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 84 Resp: 103567
Ion Ratio Lower Upper
84 100
49 117.6 106.6 160.0
51 35.3 31.9 47.9
86 65.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.203 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

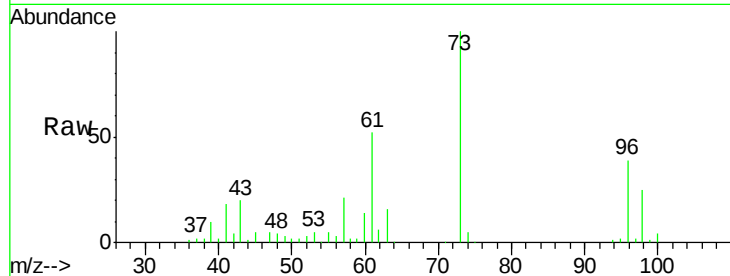
Tgt Ion: 96 Resp: 104524

Ion Ratio Lower Upper

96 100

61 133.0 120.4 180.6

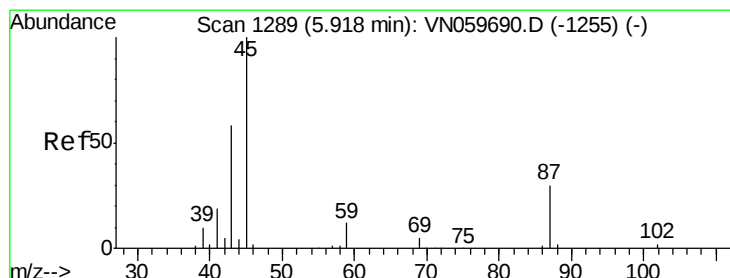
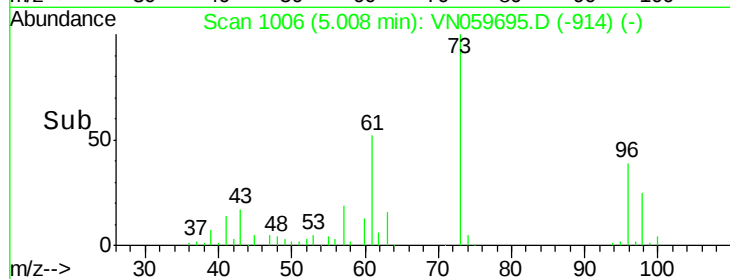
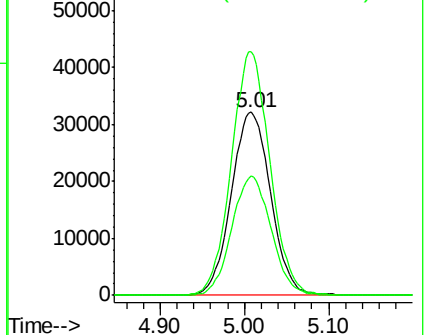
98 64.9 50.6 75.8



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



#22

Diisopropyl ether

Concen: 54.738 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion: 45 Resp: 297827

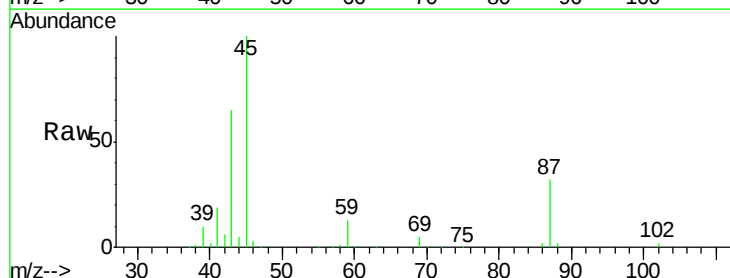
Ion Ratio Lower Upper

45 100

43 63.4 50.8 76.2

87 32.4 21.0 31.6#

59 12.8 9.1 13.7

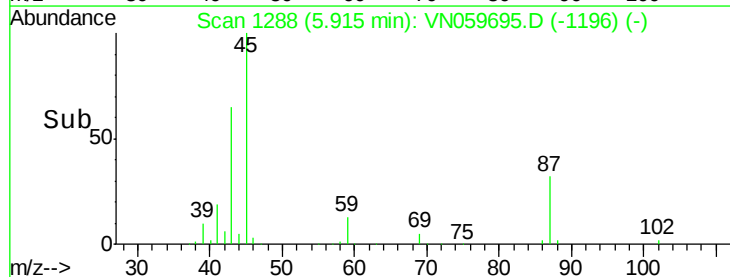
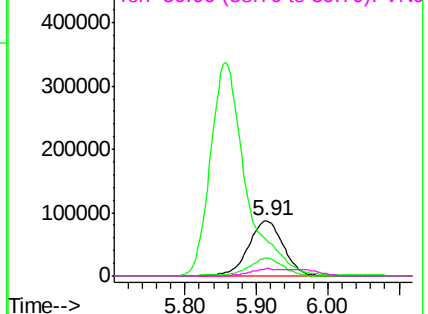


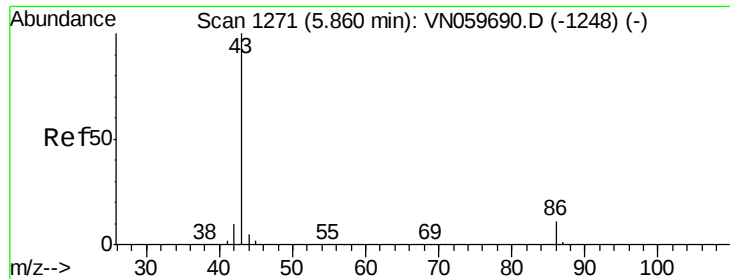
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

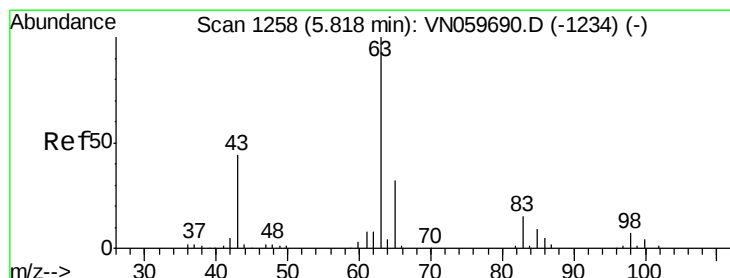
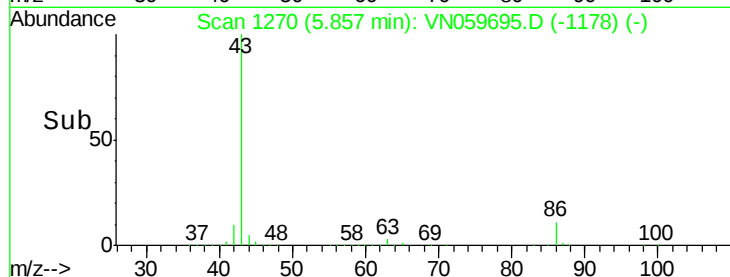
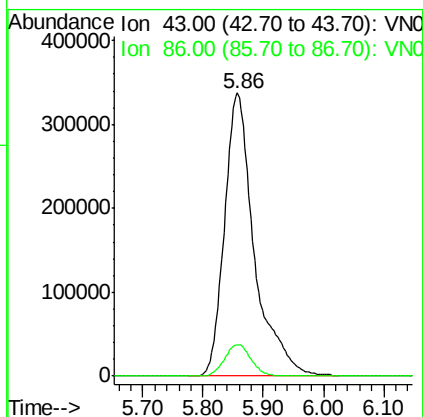
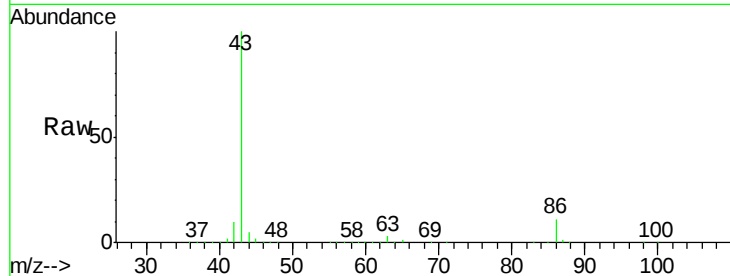




#23
 Vinyl Acetate
 Concen: 275.585 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

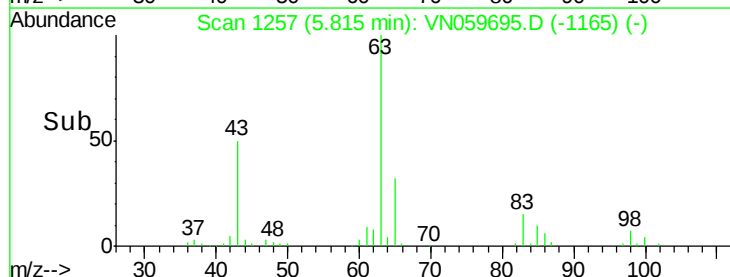
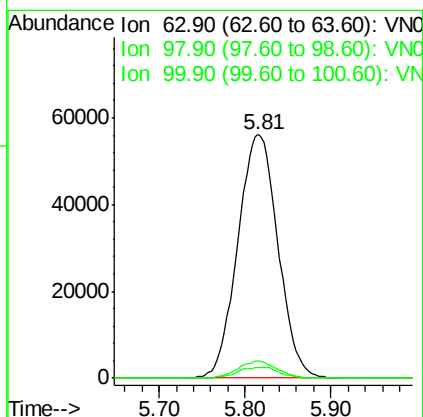
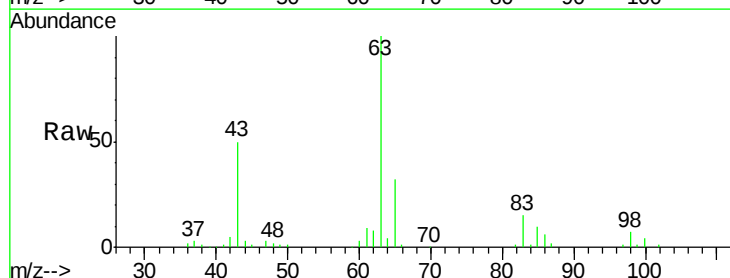
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1160932
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 54.801 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 63 Resp: 182188
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 260.903 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

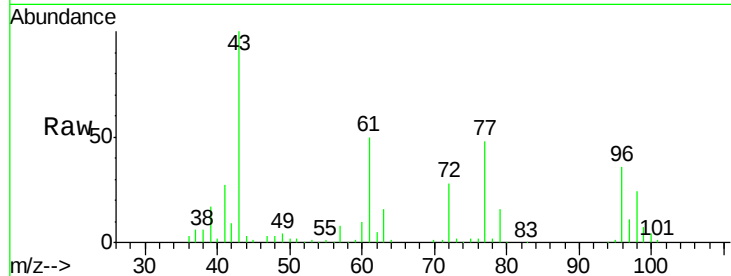
VSTDCCC050

Tgt Ion: 43 Resp: 319451

Ion Ratio Lower Upper

43 100

72 28.1 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) (-)

6.80

120000

100000

80000

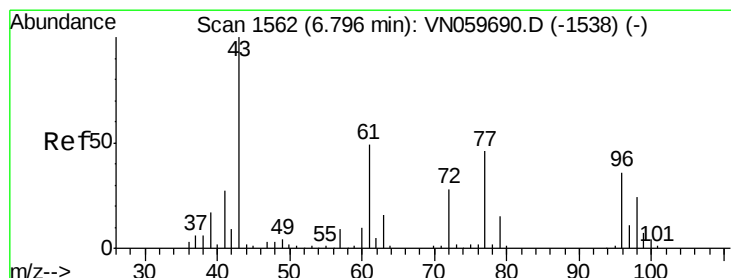
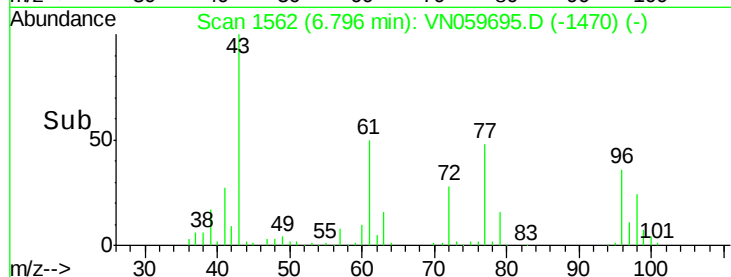
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.534 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059695.D

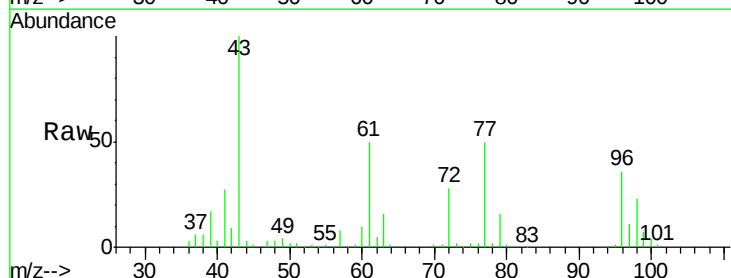
Acq: 14 Jan 2020 9:27

Tgt Ion: 77 Resp: 174299

Ion Ratio Lower Upper

77 100

97 23.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059695.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059695.D (-1469) (-)

6.79

60000

50000

40000

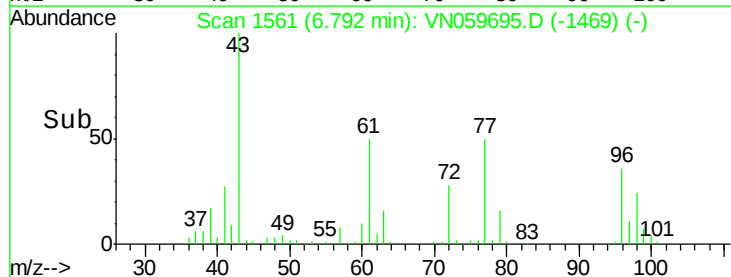
30000

20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 54.864 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

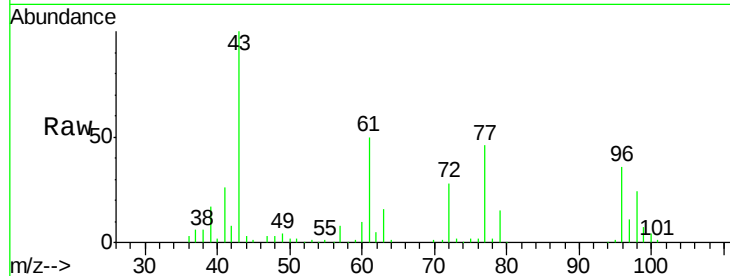
Tgt Ion: 96 Resp: 119483

Ion Ratio Lower Upper

96 100

61 137.8 0.0 317.6

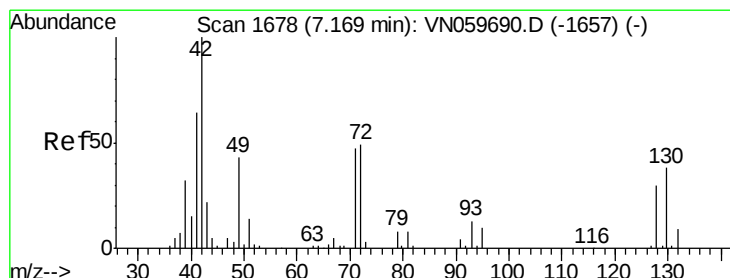
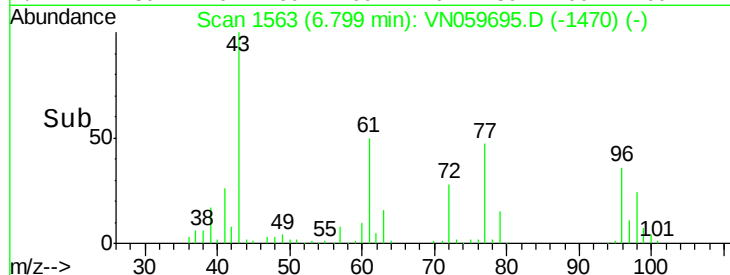
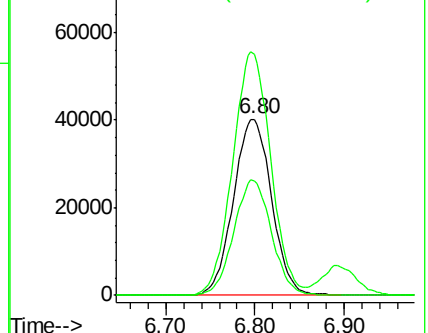
98 64.6 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059695.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059695.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059695.D (-1470) (-)



#28

Bromochloromethane

Concen: 51.010 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

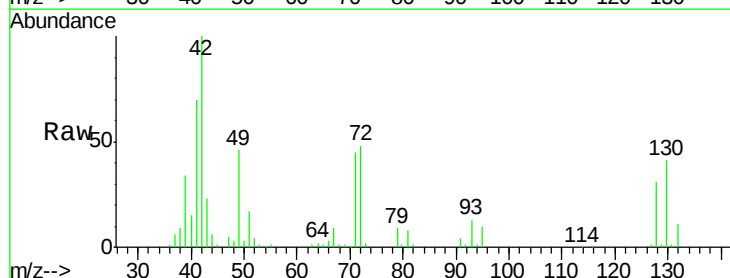
Tgt Ion: 49 Resp: 67780

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.4

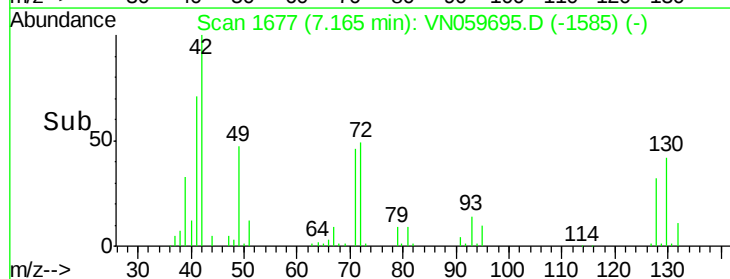
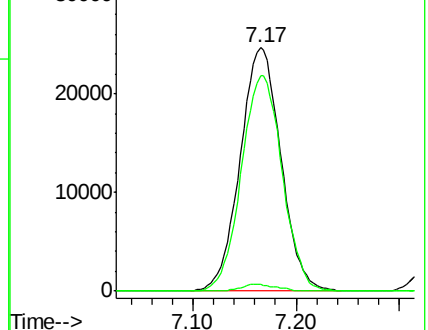
130 88.7 54.7 82.1#

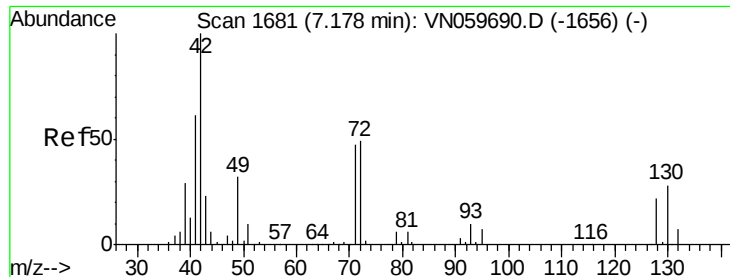


Abundance Ion 48.90 (48.60 to 49.60): VN059695.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059695.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059695.D (-1585) (-)

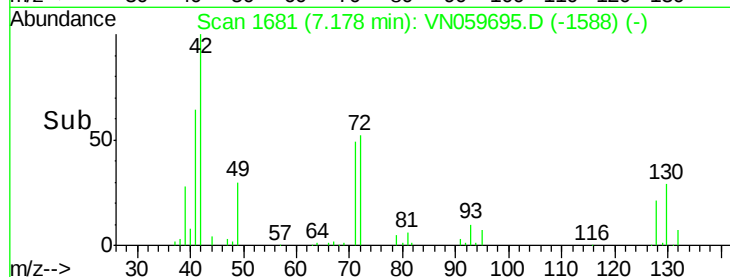
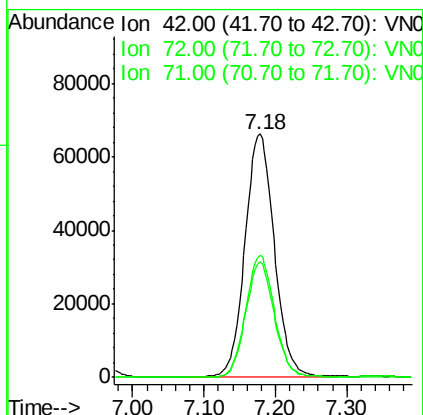
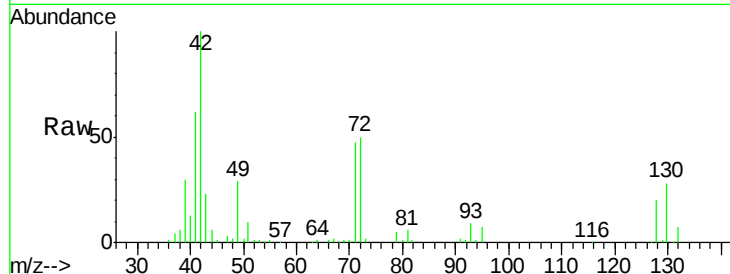




#29
Tetrahydrofuran
Concen: 250.906 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

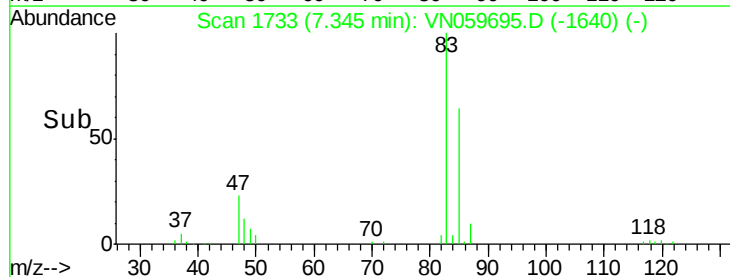
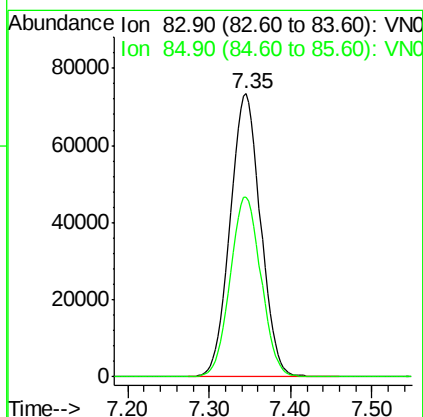
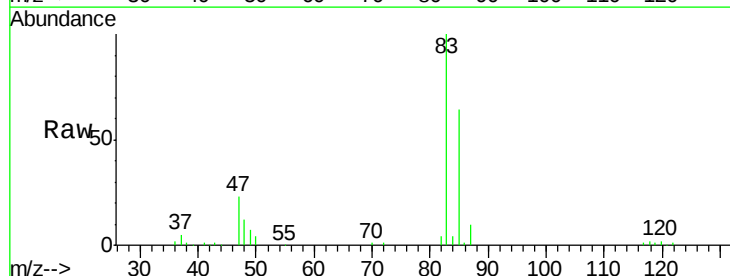
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

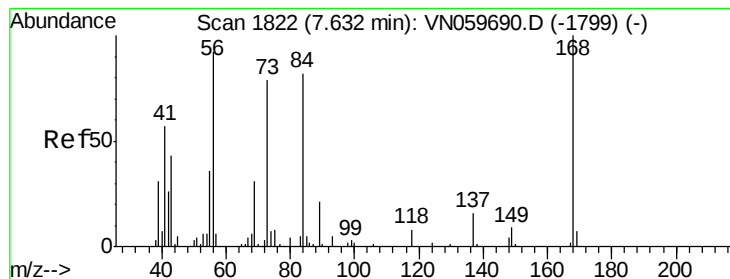
Tgt Ion: 42 Resp: 190077
Ion Ratio Lower Upper
42 100
72 49.0 33.1 49.7
71 46.0 31.4 47.0



#30
Chloroform
Concen: 55.652 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 83 Resp: 191702
Ion Ratio Lower Upper
83 100
85 63.6 52.4 78.6





#31

Cyclohexane

Concen: 51.967 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

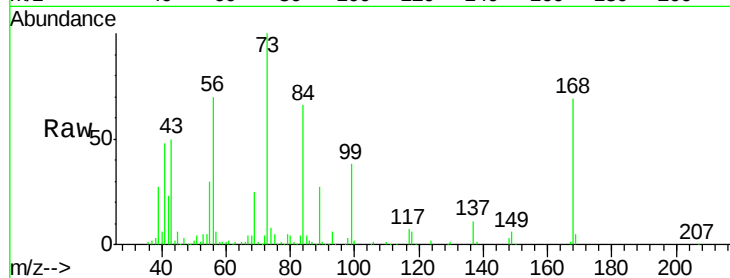
Tgt Ion: 56 Resp: 166243

Ion Ratio Lower Upper

56 100

69 35.0 26.5 39.7

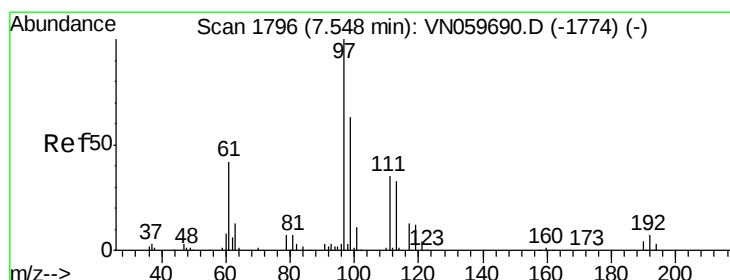
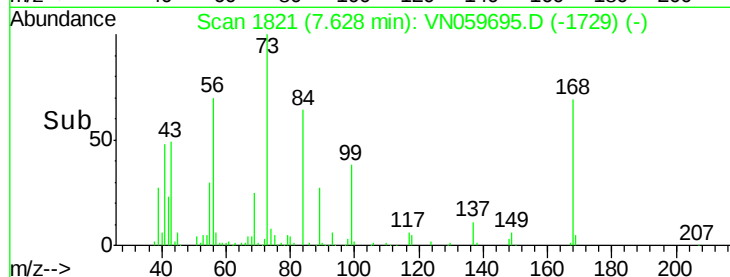
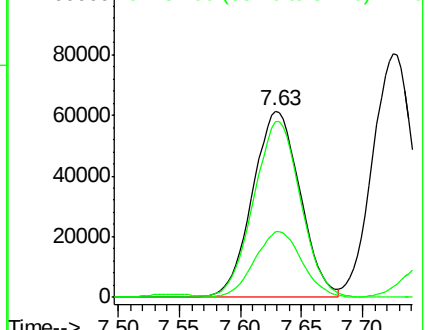
84 93.0 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 55.413 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

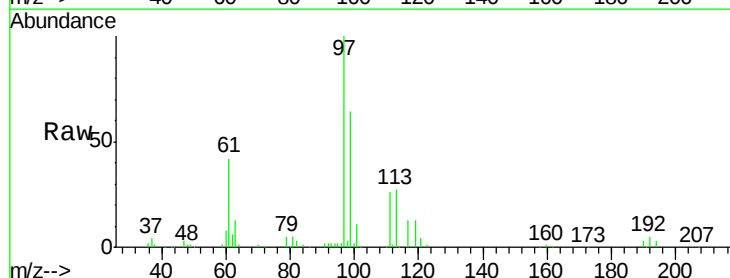
Tgt Ion: 97 Resp: 176487

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

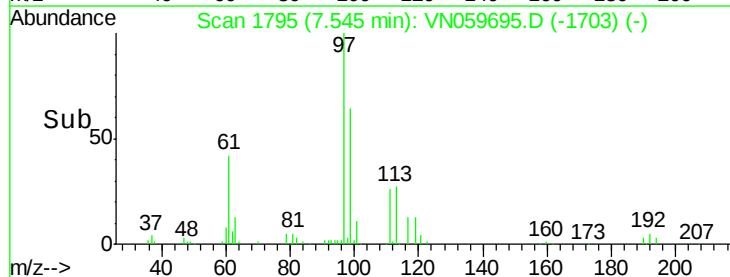
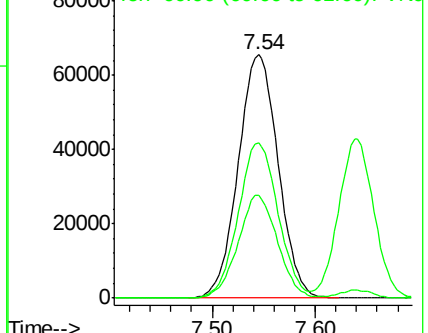
61 41.6 38.5 57.7

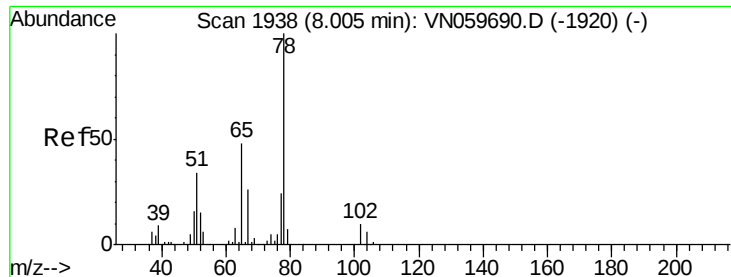


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 45.764 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

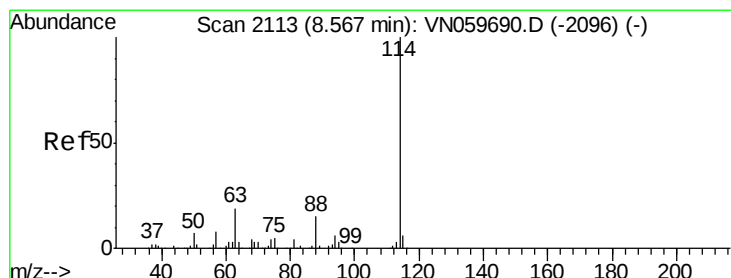
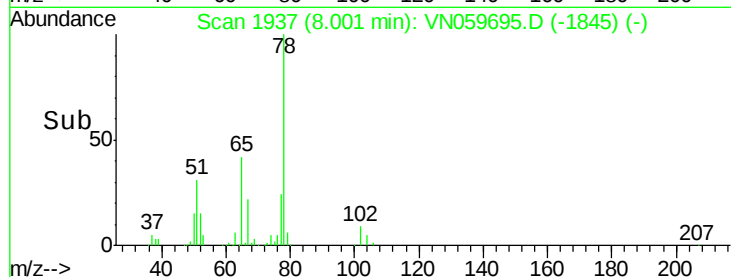
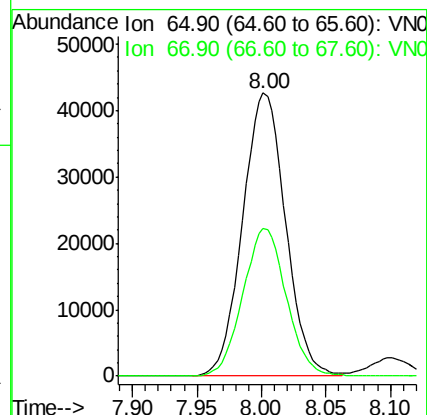
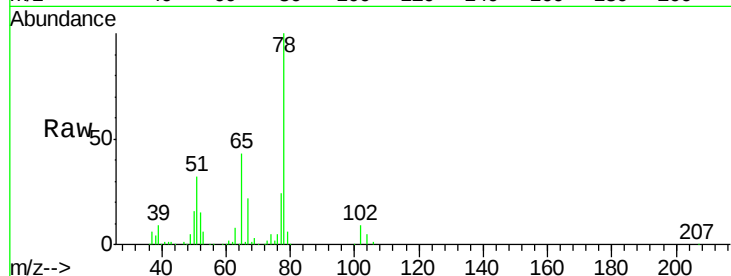
VSTDCCC050

Tgt Ion: 65 Resp: 98949

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

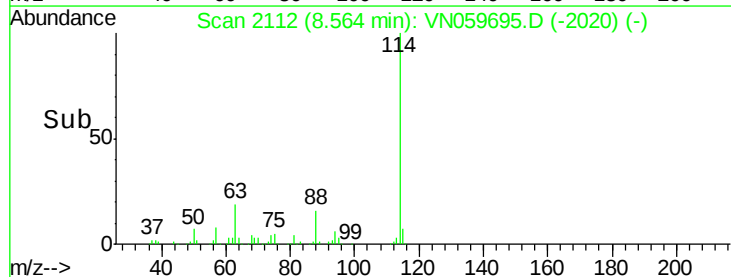
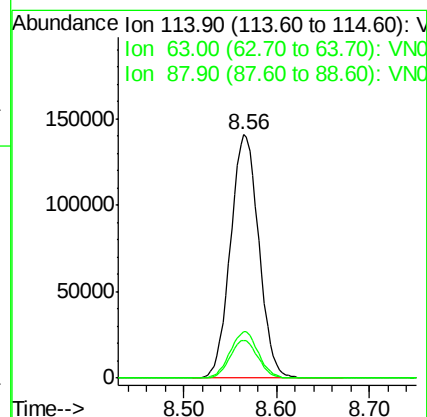
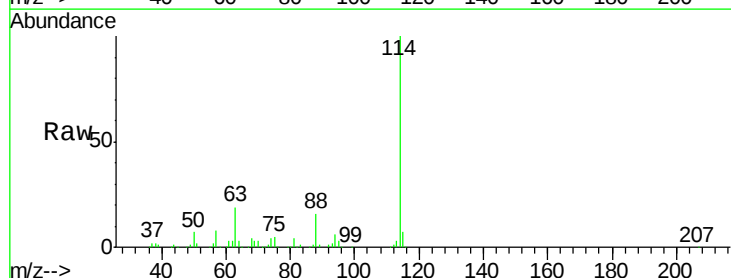
Tgt Ion: 114 Resp: 298180

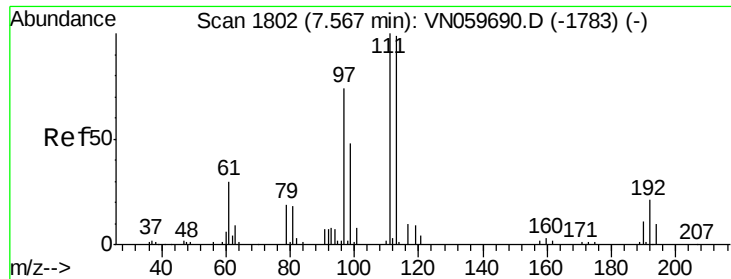
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.6

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.524 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

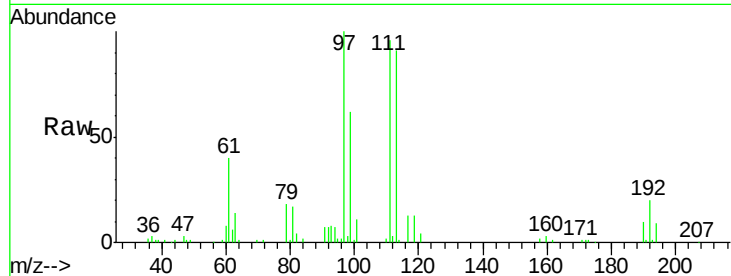
Tgt Ion: 113 Resp: 84507

Ion Ratio Lower Upper

113 100

111 102.8 83.5 125.3

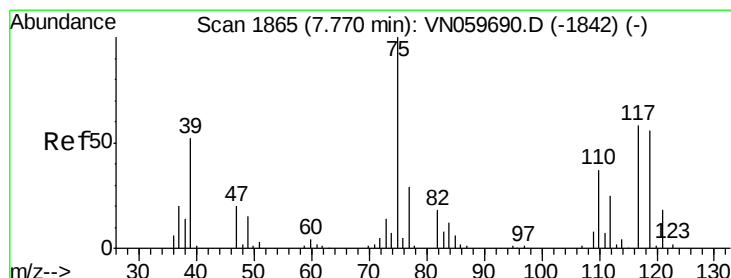
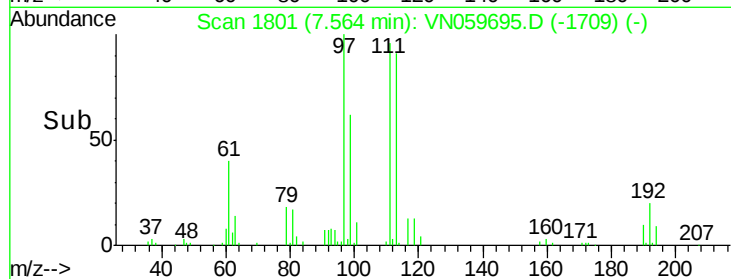
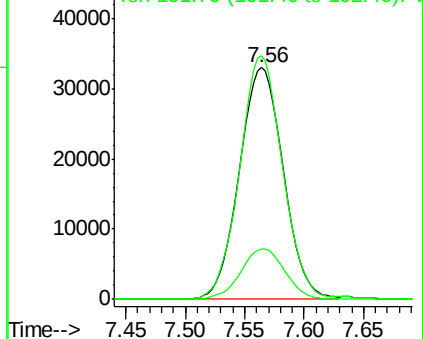
192 21.7 15.4 23.2



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: 55.878 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

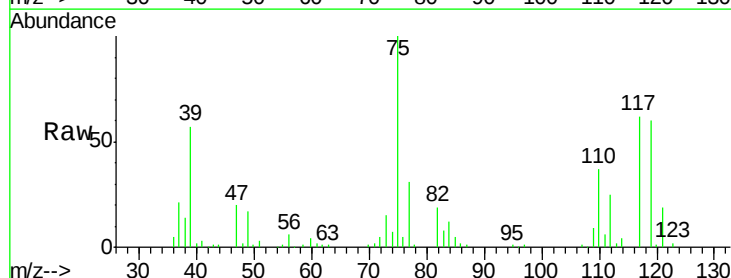
Tgt Ion: 75 Resp: 145096

Ion Ratio Lower Upper

75 100

110 36.9 16.6 49.7

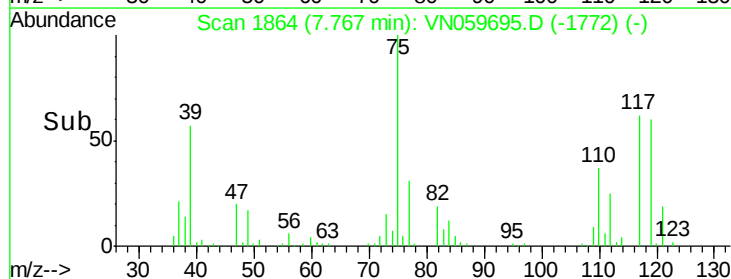
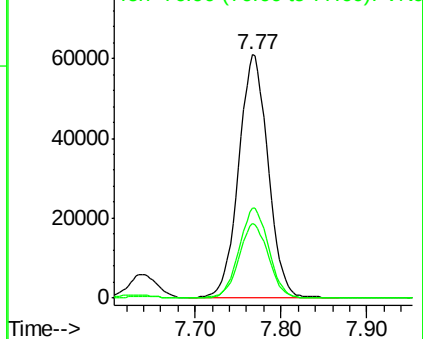
77 30.8 25.1 37.7

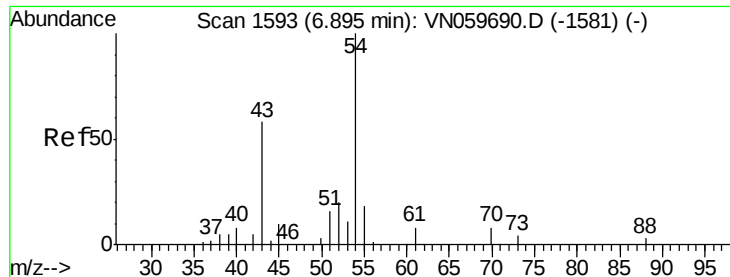


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

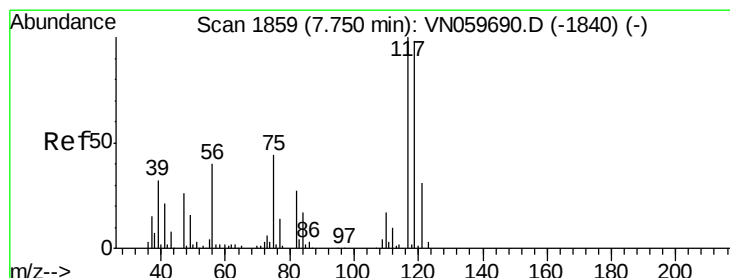
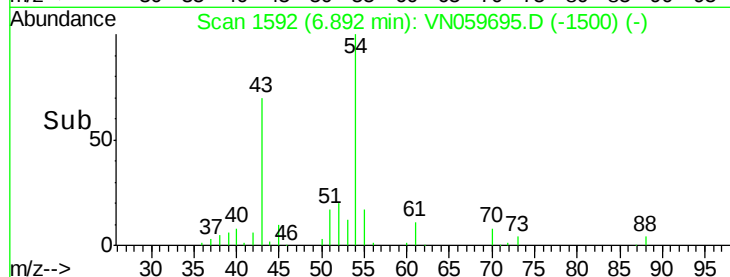
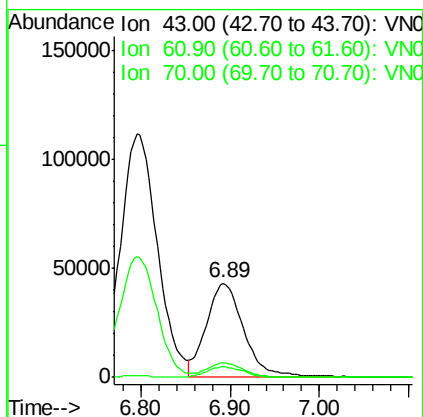
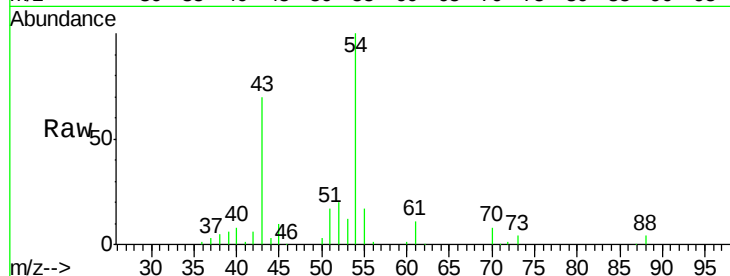




#37
 Ethyl Acetate
 Concen: 50.452 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

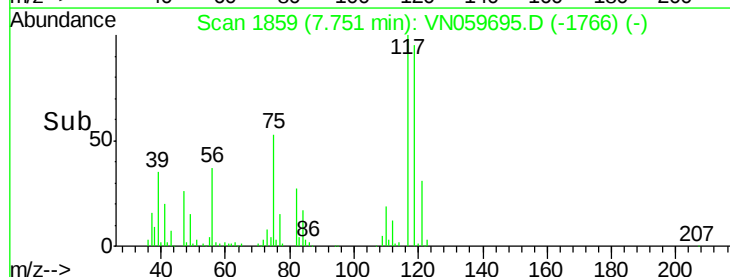
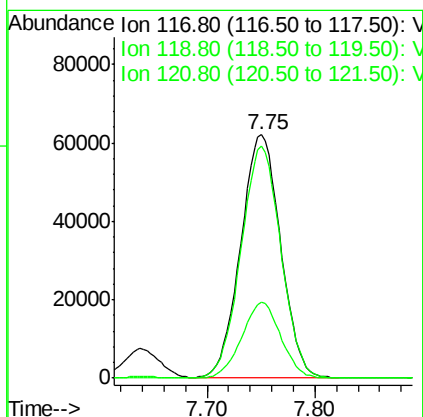
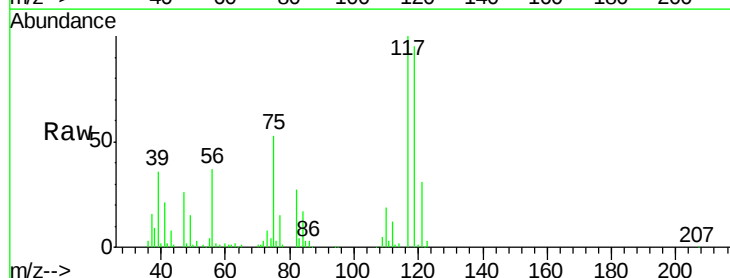
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

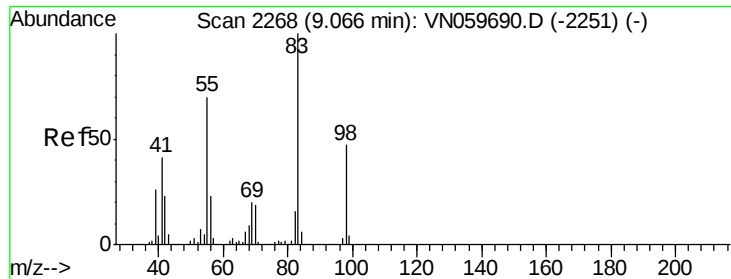
Tgt Ion: 43 Resp: 122872
 Ion Ratio Lower Upper
 43 100
 61 15.5 10.9 16.3
 70 11.4 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 56.502 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 117 Resp: 159596
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.5 114.7
 121 31.0 25.1 37.7

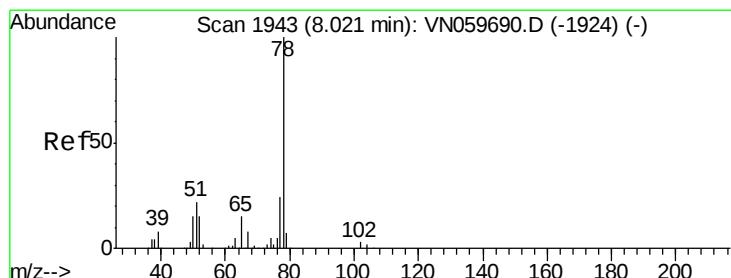
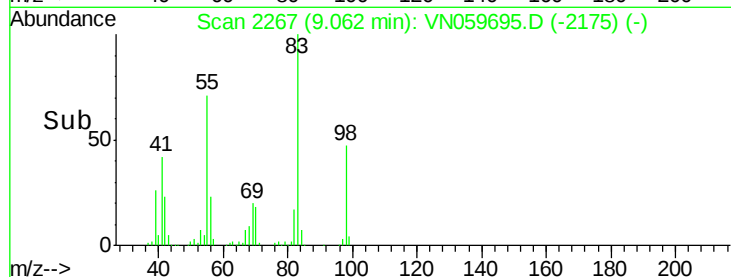
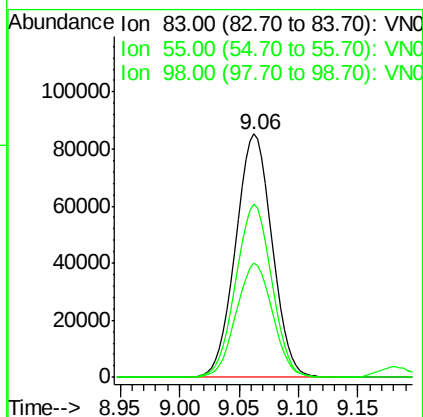
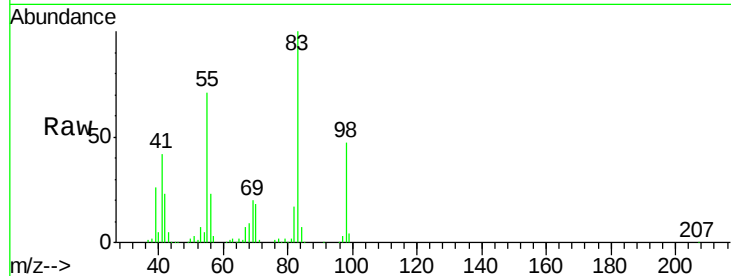




#39
Methylcyclohexane
Concen: 56.558 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

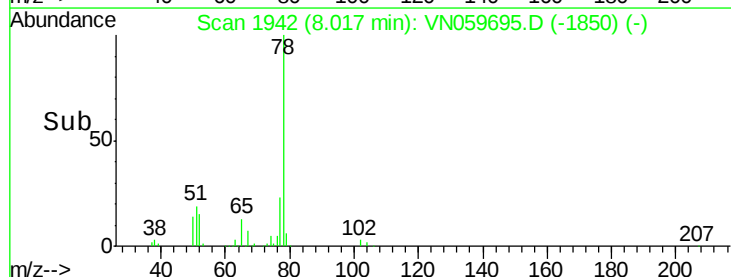
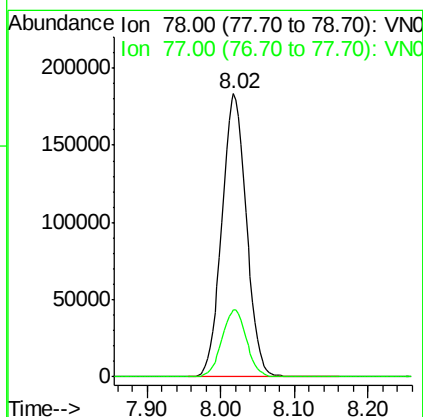
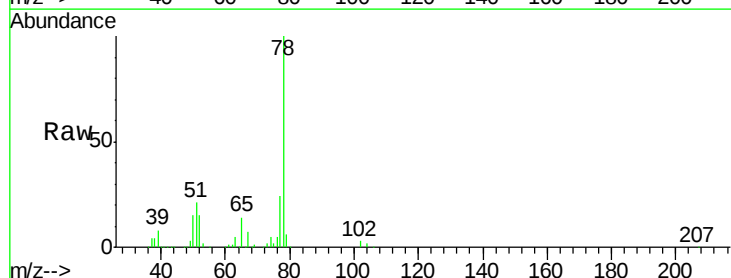
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

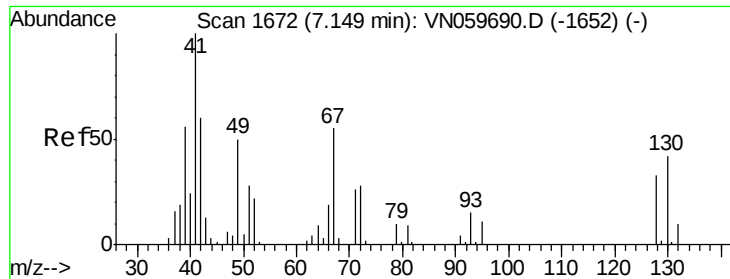
Tgt Ion: 83 Resp: 181086
Ion Ratio Lower Upper
83 100
55 71.2 64.2 96.2
98 46.8 35.9 53.9



#40
Benzene
Concen: 54.695 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 78 Resp: 423568
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

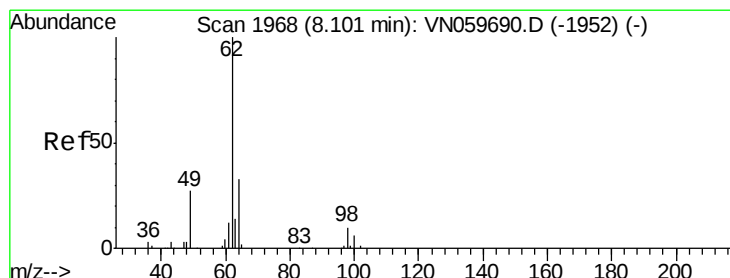
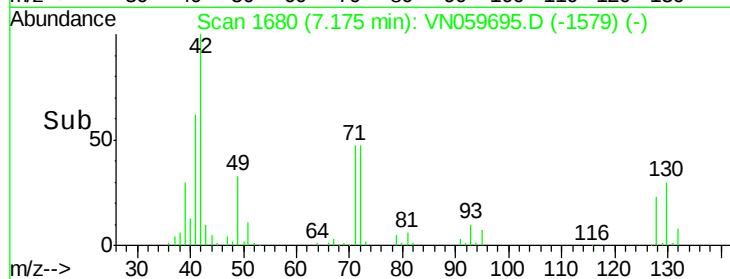
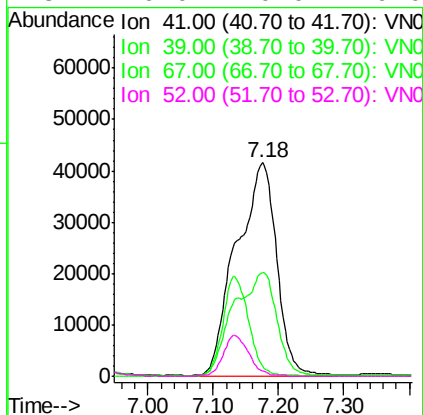
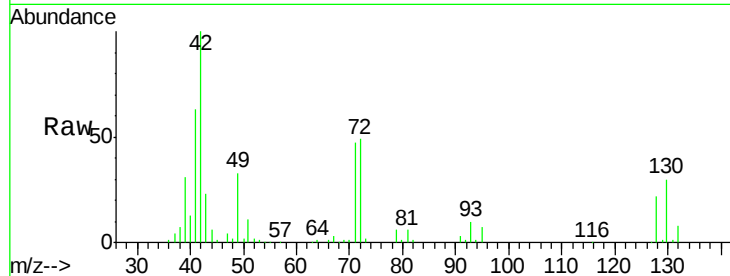




#41
Methacrylonitrile
Concen: 148.900 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

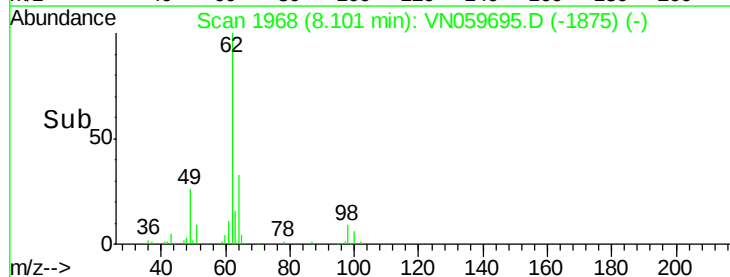
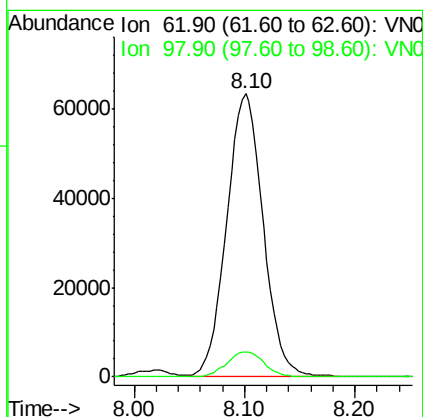
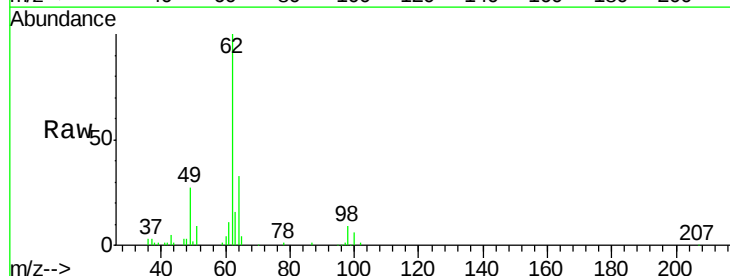
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

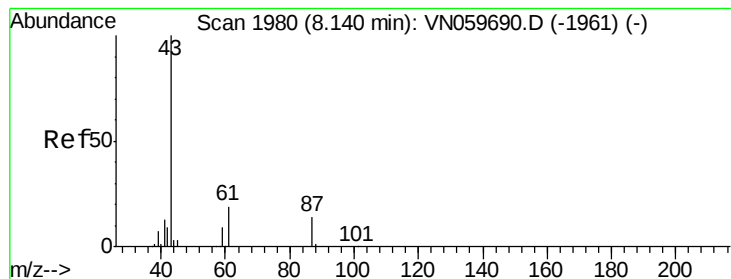
Tgt Ion:	41	Resp:	178619
Ion	Ratio	Lower	Upper
41	100		
39	51.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 55.025 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion:	62	Resp:	144479
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 51.965 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

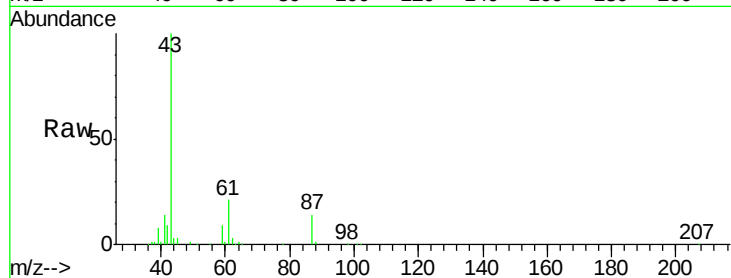
Tgt Ion: 43 Resp: 217684

Ion Ratio Lower Upper

43 100

61 27.9 20.2 30.2

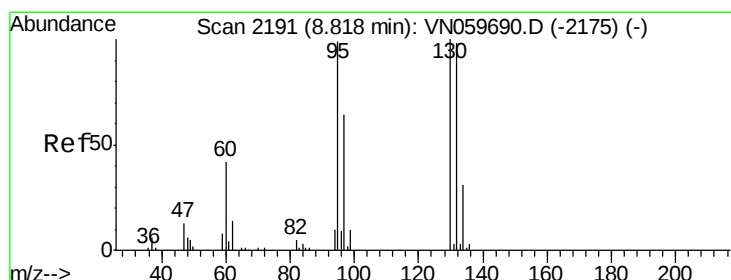
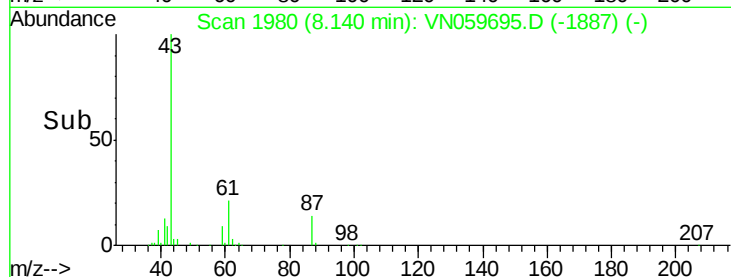
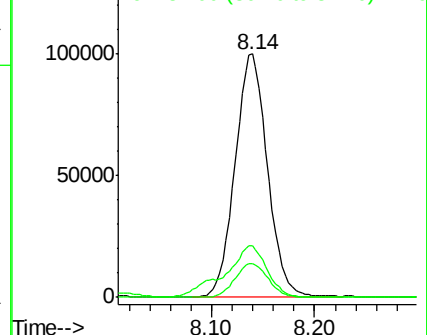
87 14.3 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 57.191 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059695.D

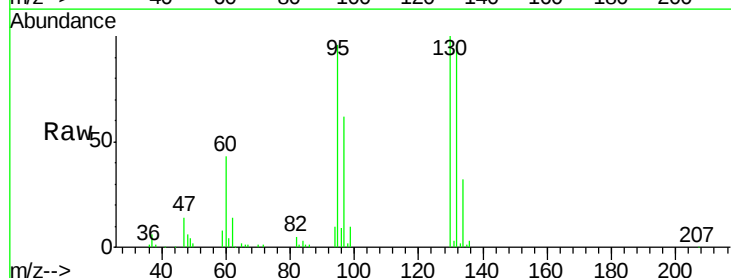
Acq: 14 Jan 2020 9:27

Tgt Ion: 130 Resp: 120906

Ion Ratio Lower Upper

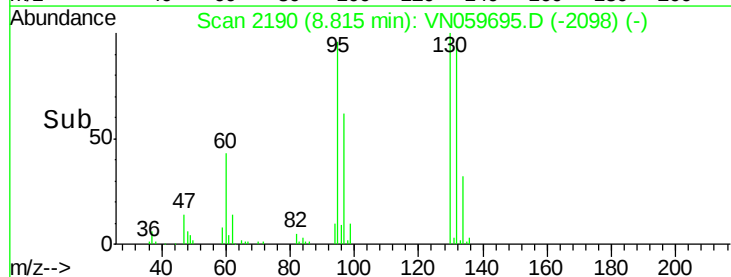
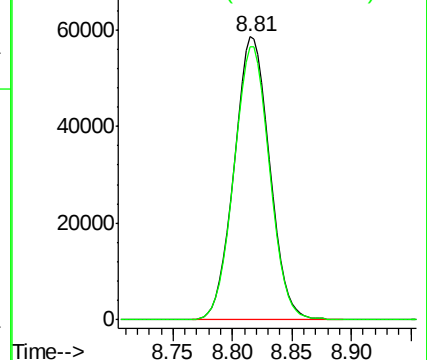
130 100

95 96.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 55.885 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

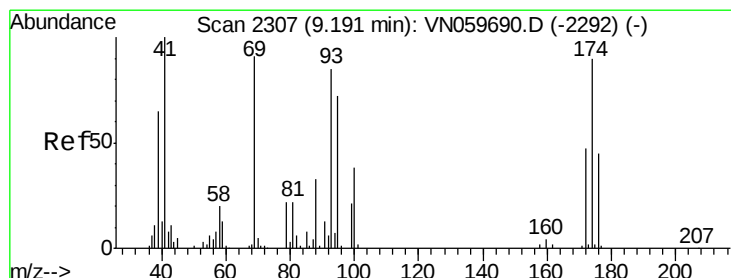
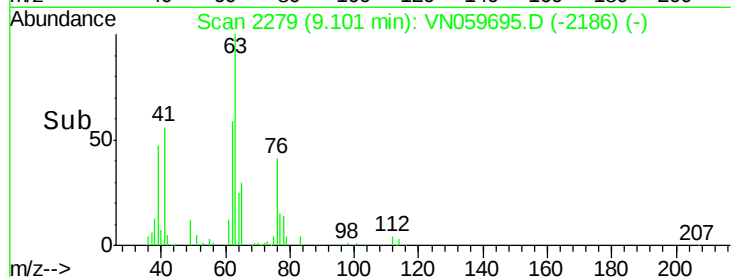
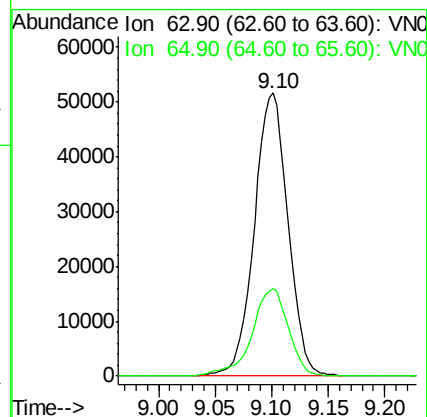
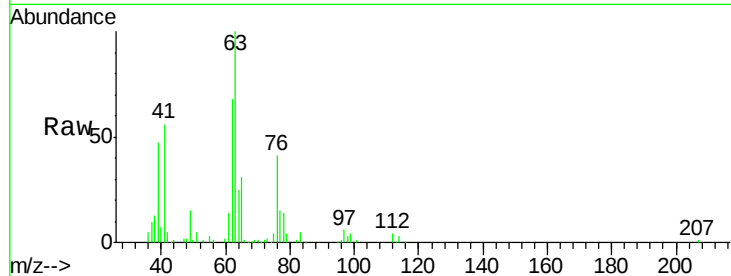
VSTDCCC050

Tgt Ion: 63 Resp: 107092

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



#46

Dibromomethane

Concen: 55.535 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

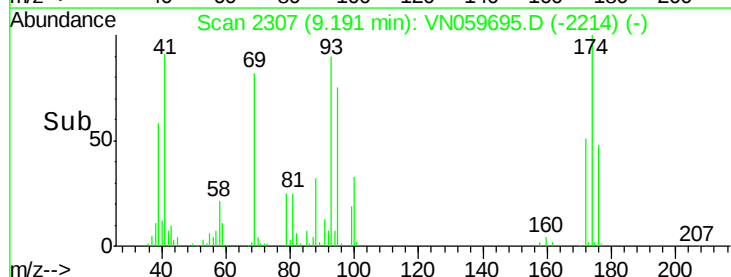
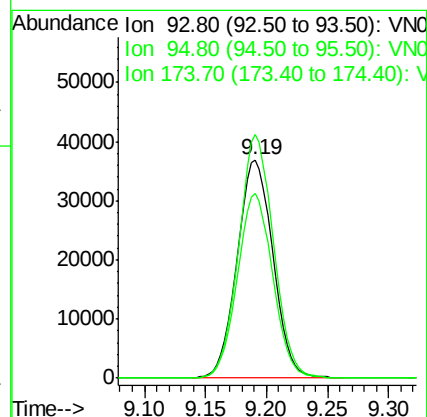
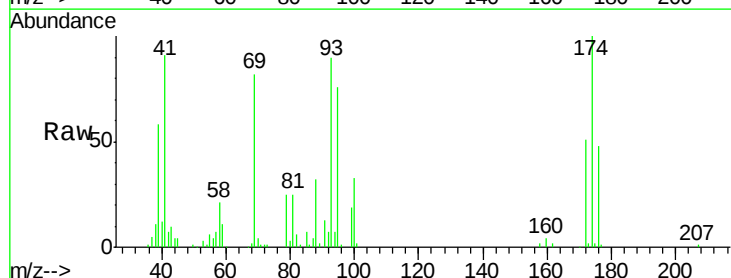
Tgt Ion: 93 Resp: 75071

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

174 108.4 73.4 110.2

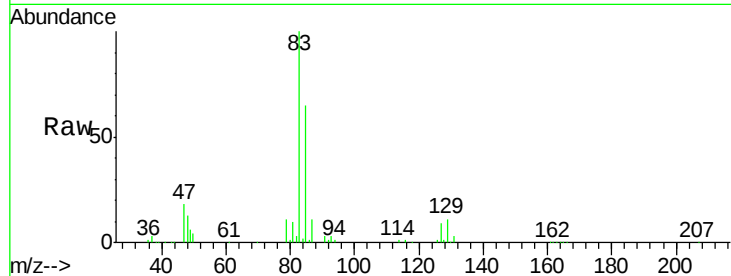




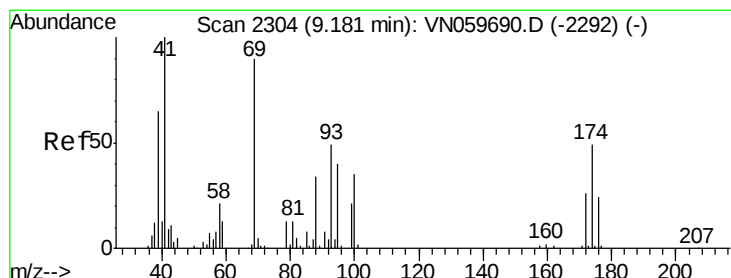
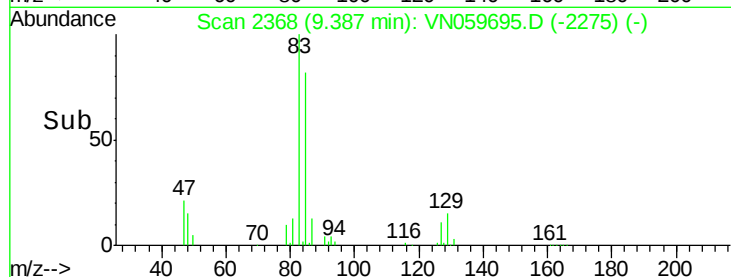
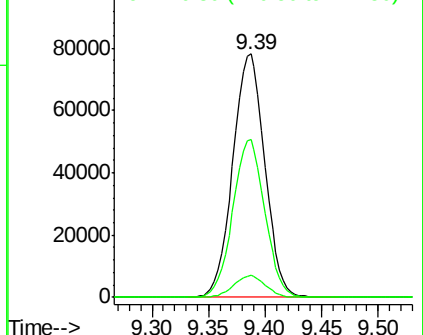
#47
 Bromodichloromethane
 Concen: 56.566 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 83 Resp: 154088
 Ion Ratio Lower Upper
 83 100
 85 64.7 51.1 76.7
 127 9.0 6.6 9.8

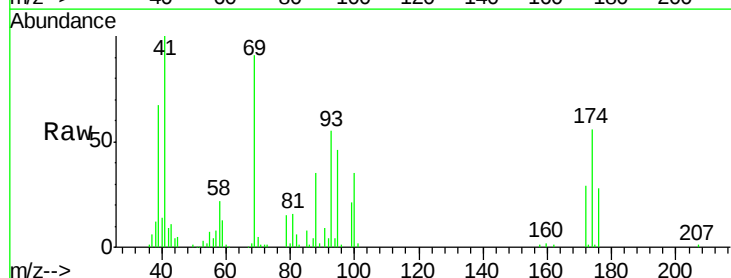


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

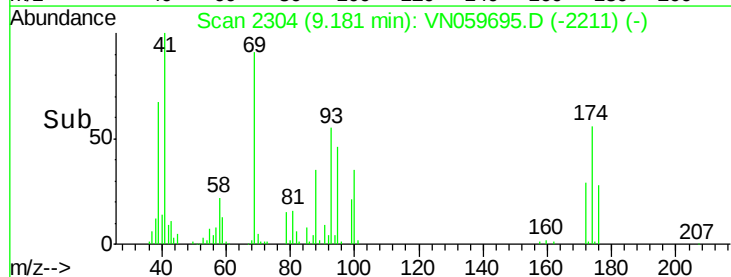
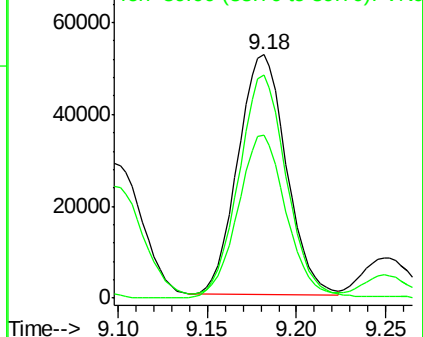


#48
 Methyl methacrylate
 Concen: 52.751 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 41 Resp: 98842
 Ion Ratio Lower Upper
 41 100
 69 92.6 64.4 96.6
 39 64.5 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

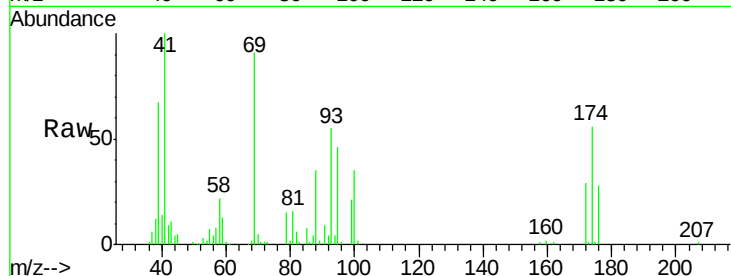




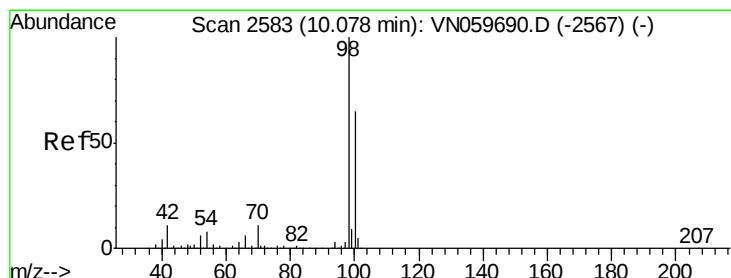
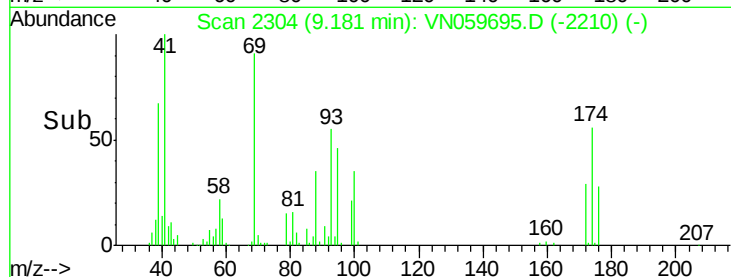
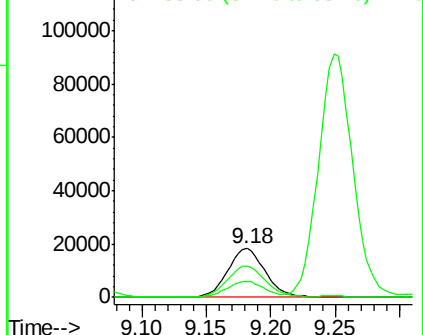
#49
 1,4-Dioxane
 Concen: 1069.422 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 36683
 Ion Ratio Lower Upper
 88 100
 43 30.6 29.7 44.5
 58 65.9 56.6 85.0

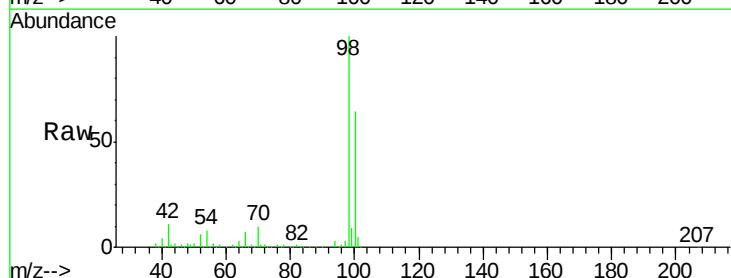


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

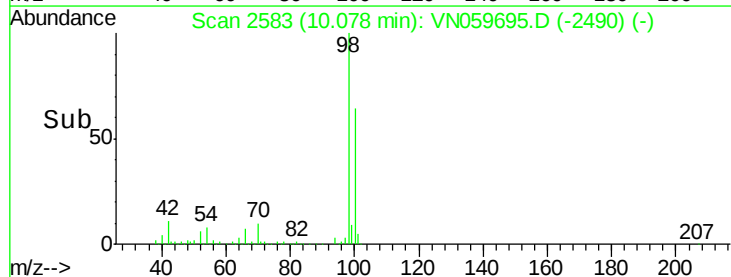
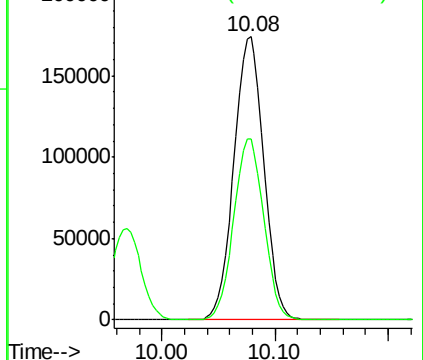


#50
 Toluene-d8
 Concen: 46.516 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 98 Resp: 320478
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

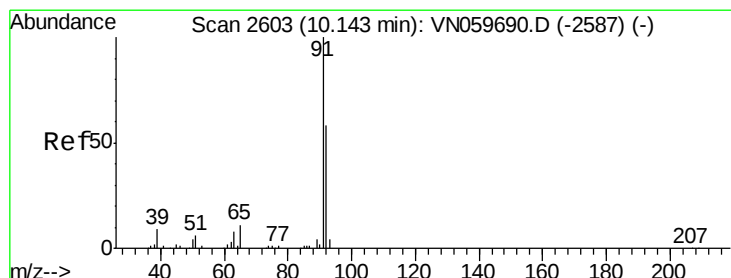
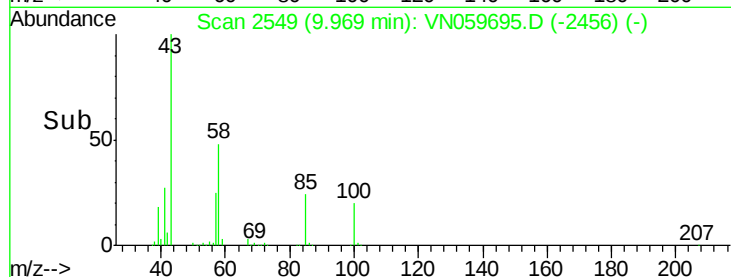
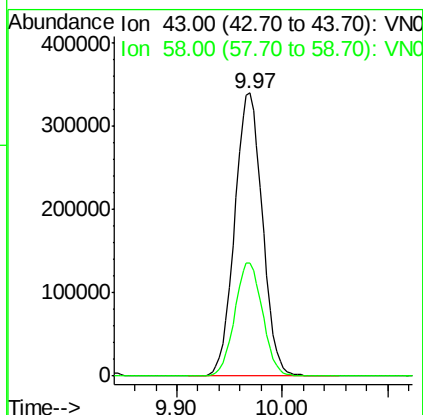
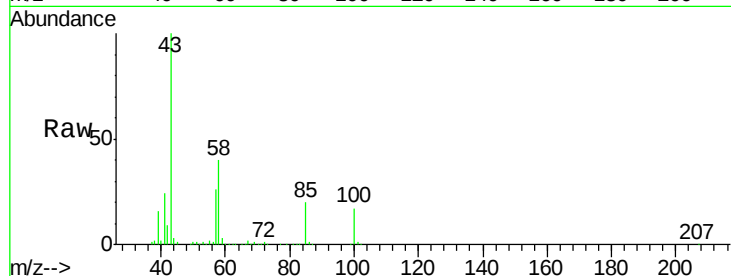




#51
 4-Methyl-2-Pentanone
 Concen: 255.874 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

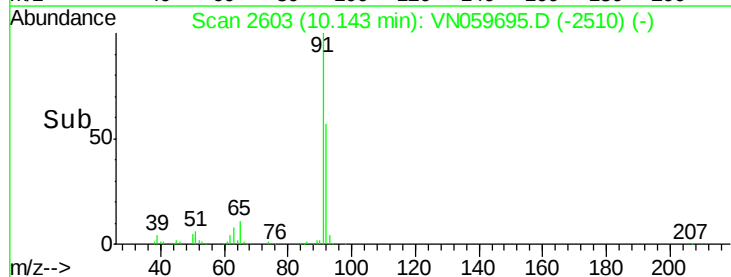
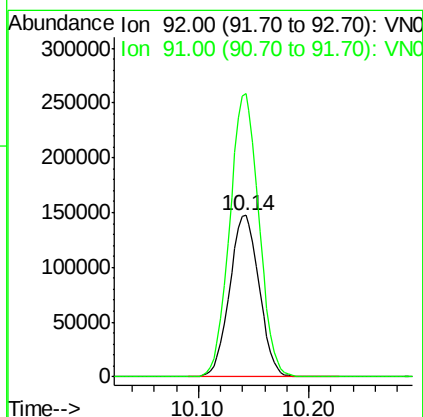
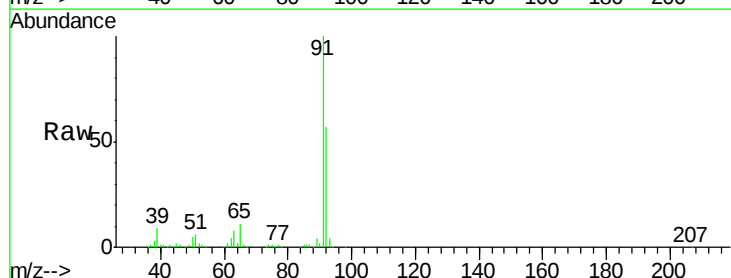
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

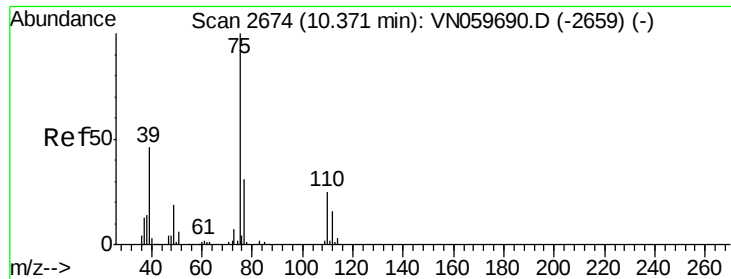
Tgt Ion: 43 Resp: 619616
 Ion Ratio Lower Upper
 43 100
 58 40.1 29.8 44.8



#52
 Toluene
 Concen: 55.816 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion: 92 Resp: 273027
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 56.781 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampled :

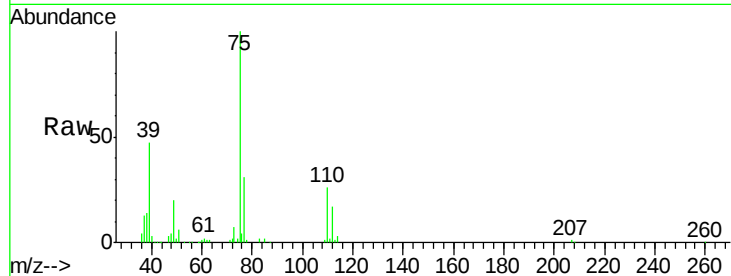
VSTDCCC050

Tgt Ion: 75 Resp: 172708

Ion Ratio Lower Upper

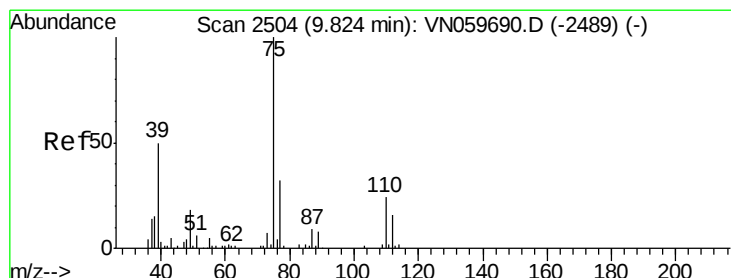
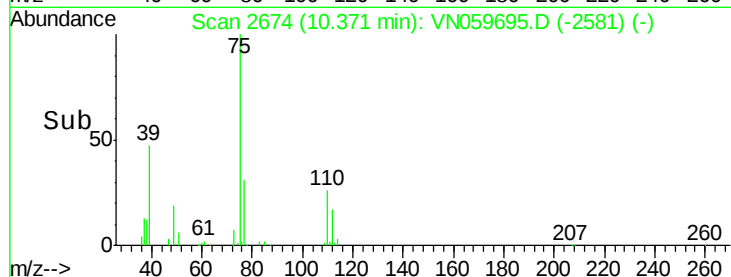
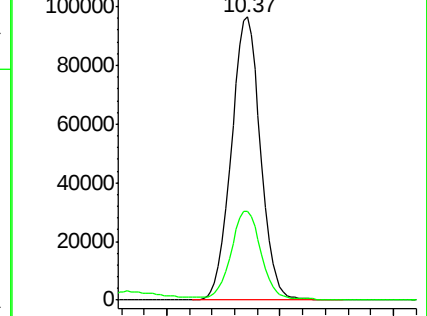
75 100

77 31.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 57.257 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

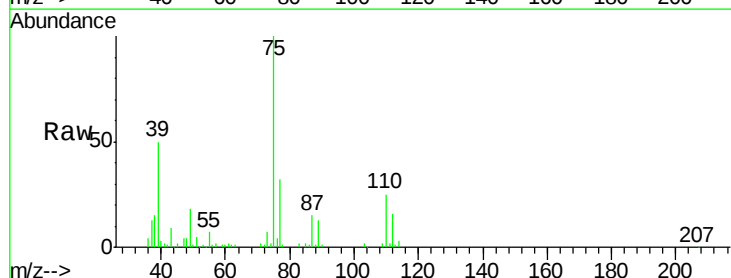
Tgt Ion: 75 Resp: 183242

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

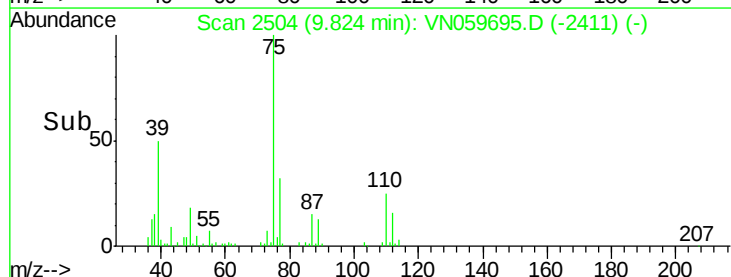
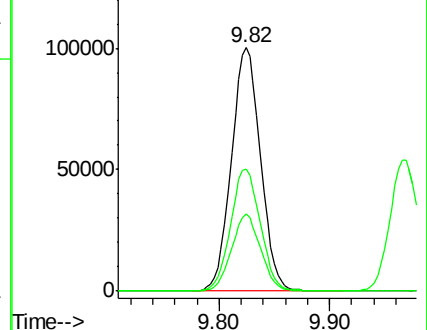
39 49.8 46.1 69.1

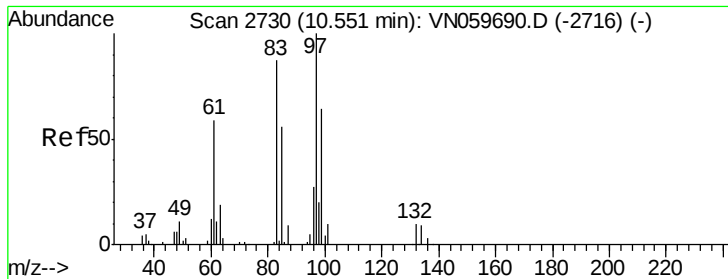


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 54.612 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 105802

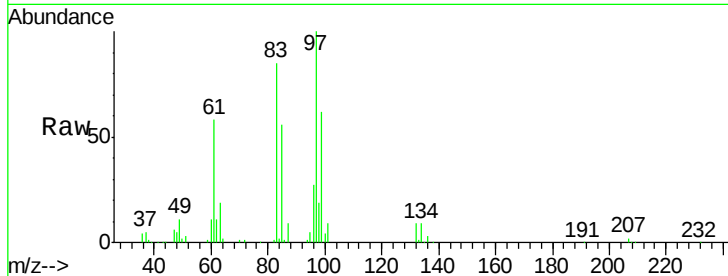
Ion Ratio Lower Upper

97 100

83 85.1 71.3 106.9

85 55.8 45.8 68.8

99 62.2 50.0 75.0

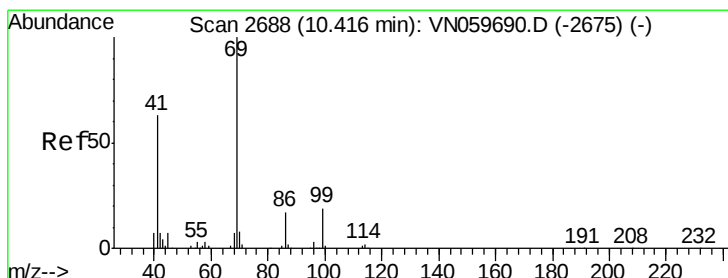
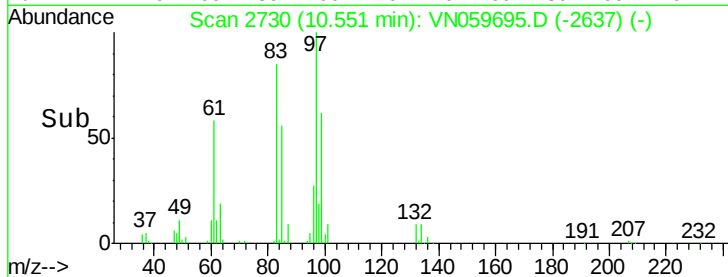
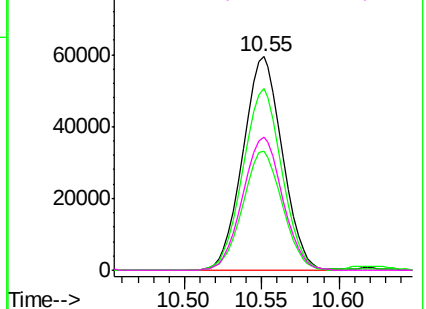


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 54.593 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

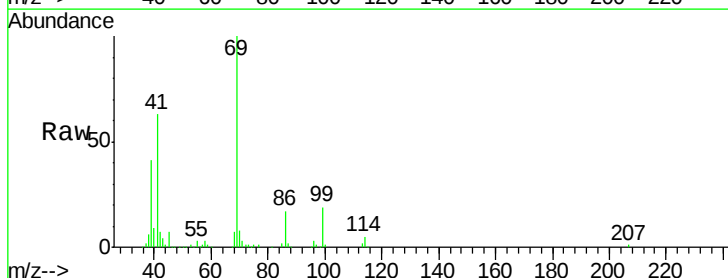
Tgt Ion: 69 Resp: 161611

Ion Ratio Lower Upper

69 100

41 61.8 57.1 85.7

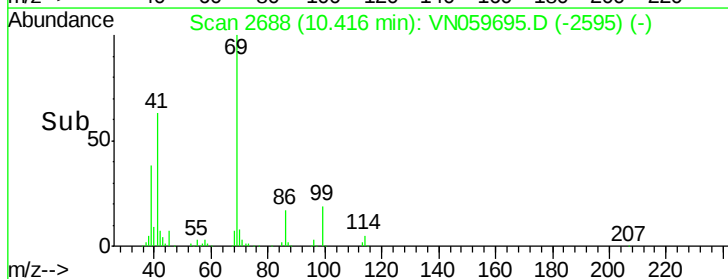
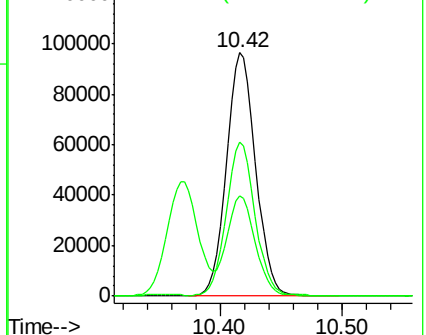
39 40.7 34.7 52.1



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: 55.833 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

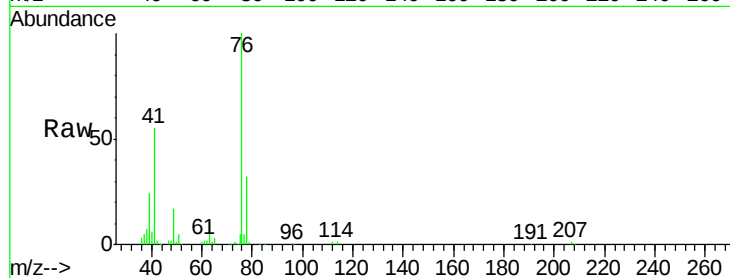
VSTDCCC050

Tgt Ion: 76 Resp: 171731

Ion Ratio Lower Upper

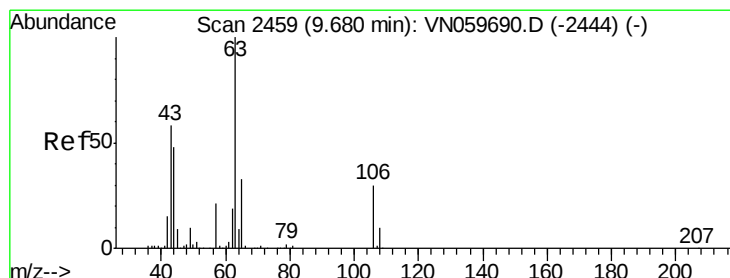
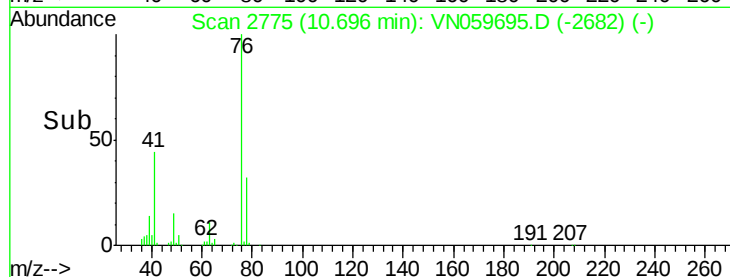
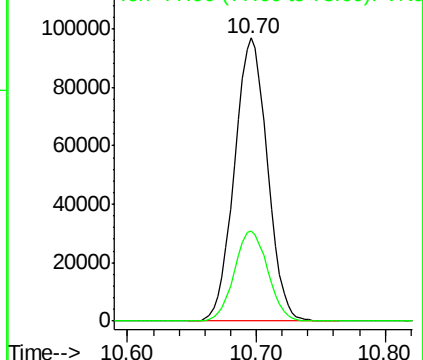
76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 240.542 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059695.D

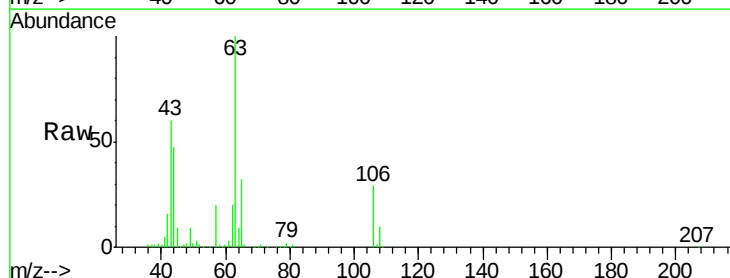
Acq: 14 Jan 2020 9:27

Tgt Ion: 63 Resp: 214478

Ion Ratio Lower Upper

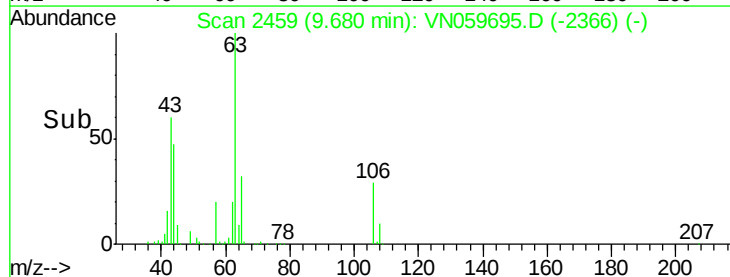
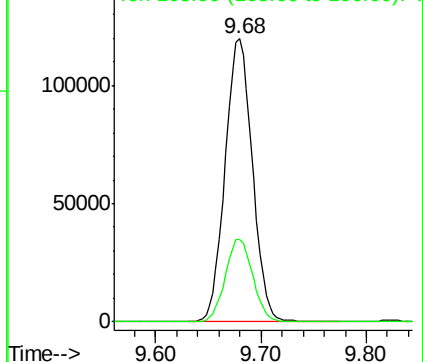
63 100

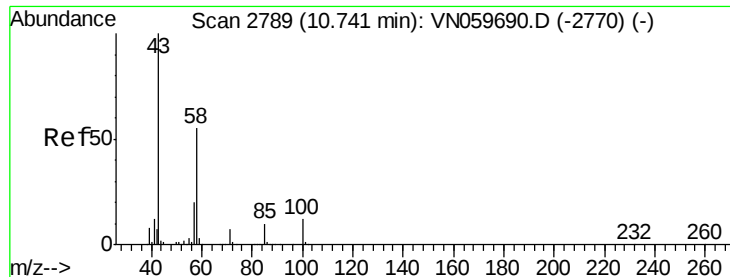
106 29.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

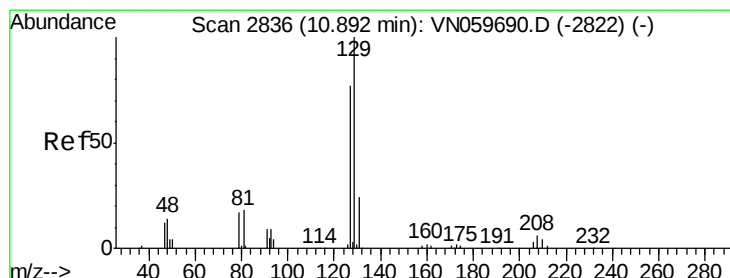
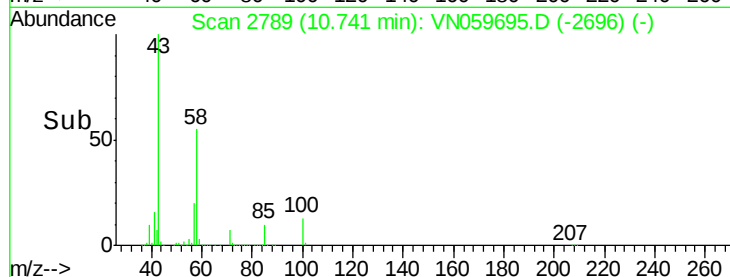
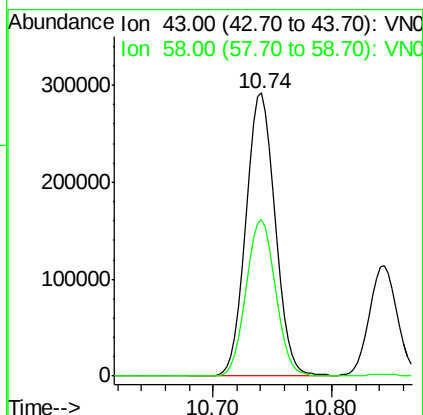
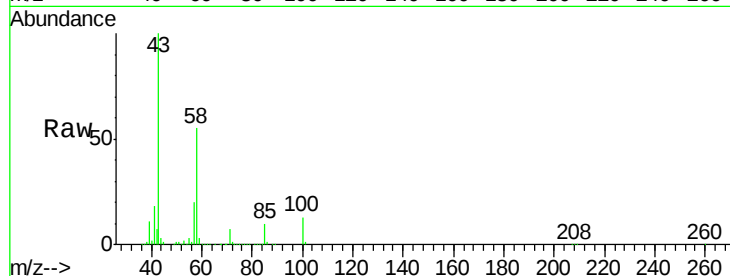




#59
2-Hexanone
Concen: 279.630 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

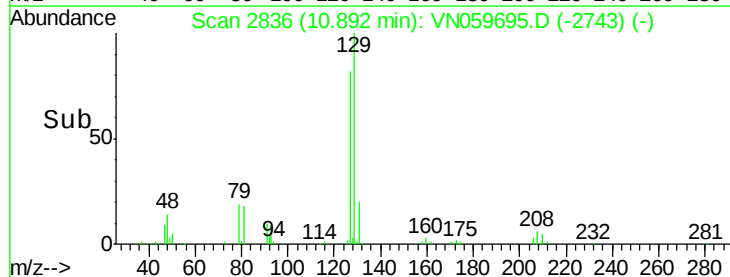
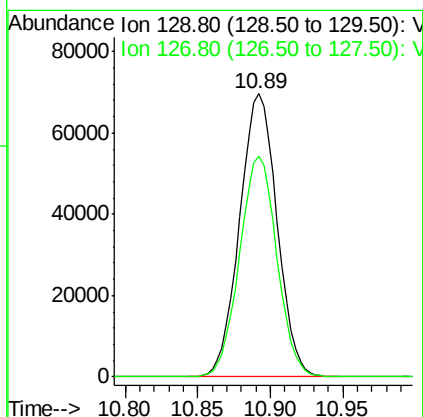
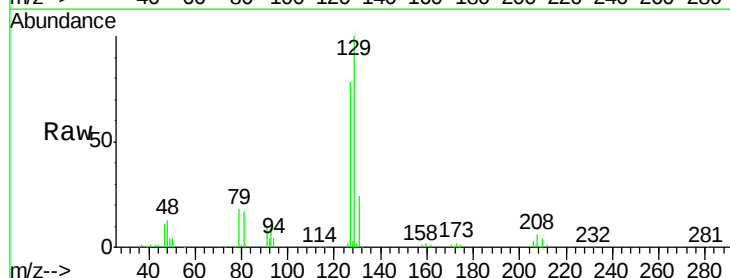
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

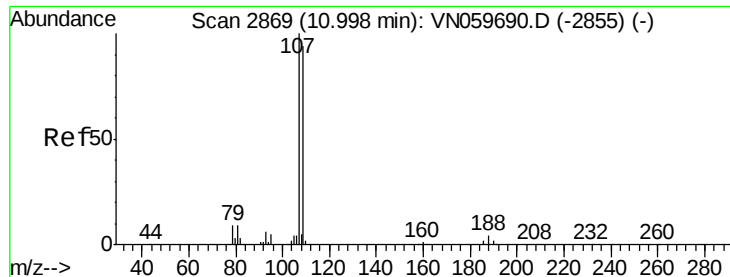
Tgt Ion: 43 Resp: 498853
Ion Ratio Lower Upper
43 100
58 55.6 25.8 77.3



#60
Dibromochloromethane
Concen: 56.780 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion: 129 Resp: 125267
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 55.272 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

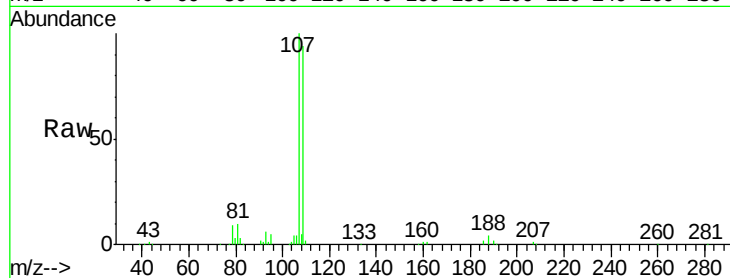
VSTDCCC050

Tgt Ion: 107 Resp: 112234

Ion Ratio Lower Upper

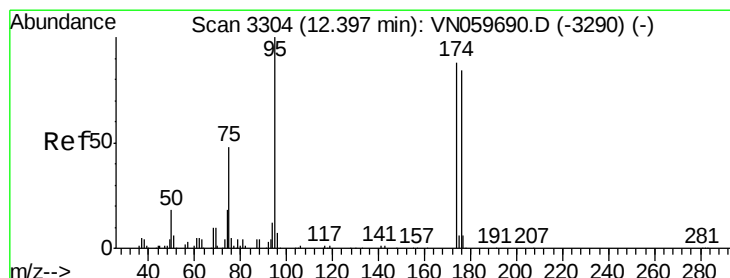
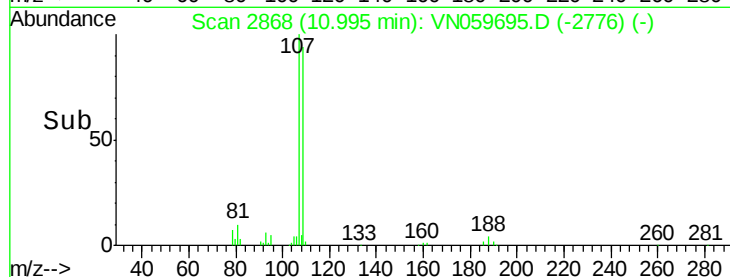
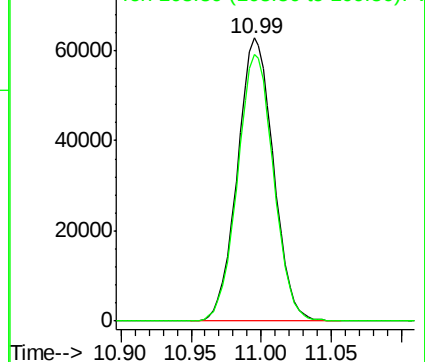
107 100

109 94.4 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.139 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

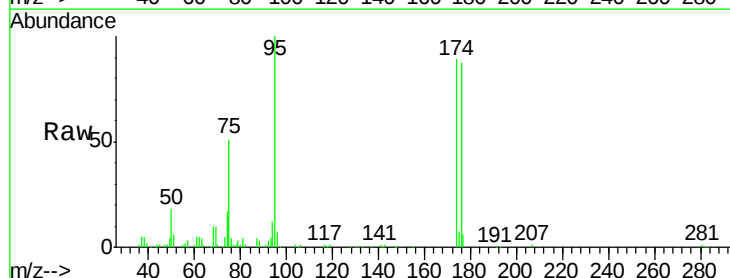
Tgt Ion: 95 Resp: 114594

Ion Ratio Lower Upper

95 100

174 88.5 0.0 151.4

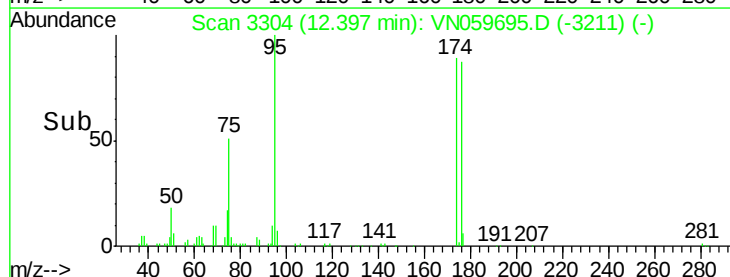
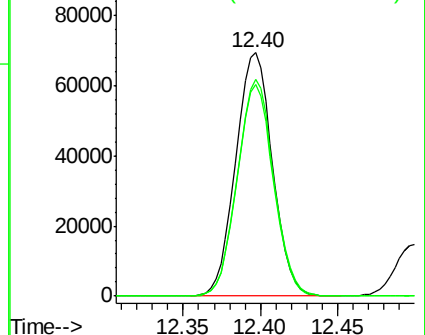
176 85.7 0.0 146.0

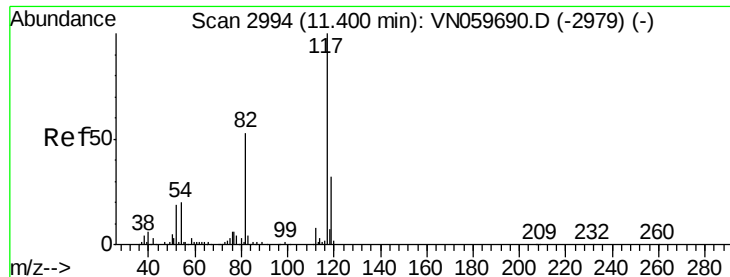


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

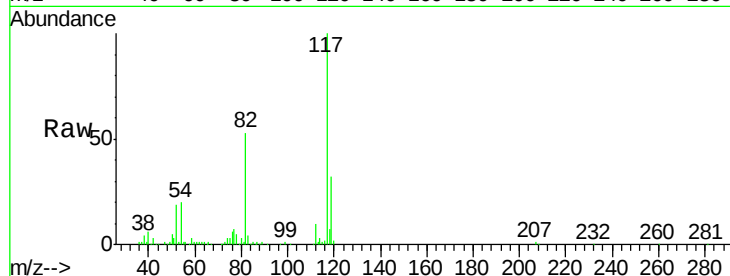
Tgt Ion:117 Resp: 268192

Ion Ratio Lower Upper

117 100

82 52.8 45.9 68.9

119 32.5 25.5 38.3

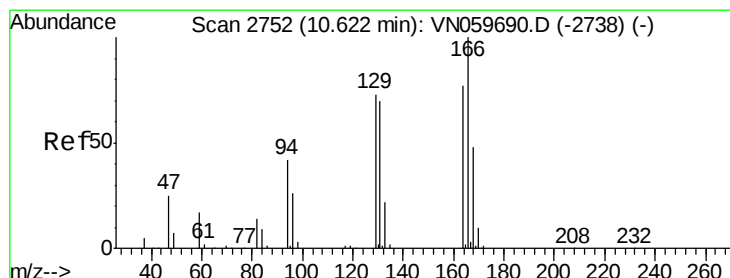
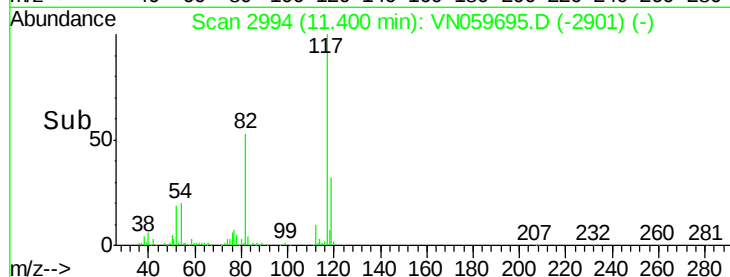
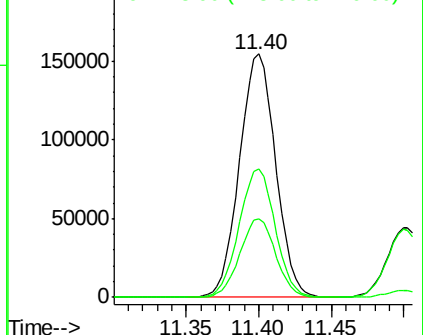


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.430 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:164 Resp: 110229

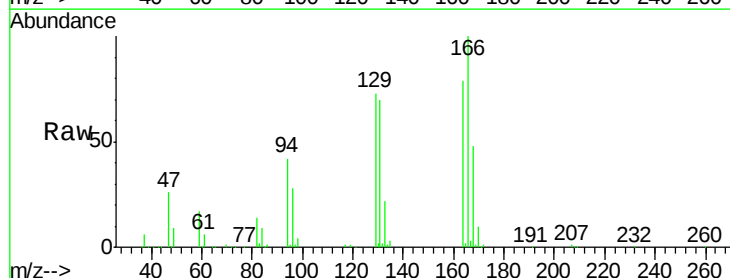
Ion Ratio Lower Upper

164 100

166 127.3 101.4 152.0

129 92.8 80.2 120.4

131 89.0 75.0 112.4



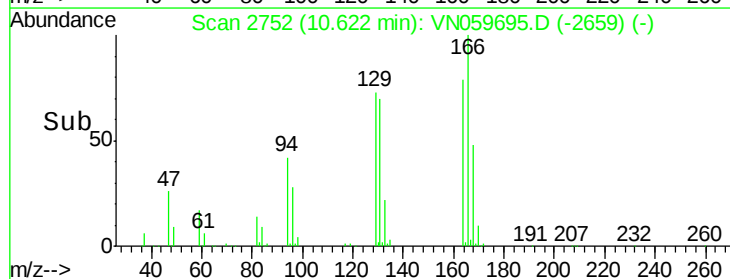
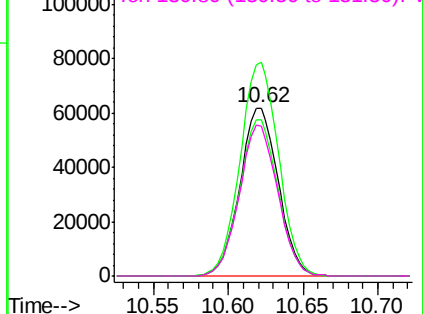
Abundance

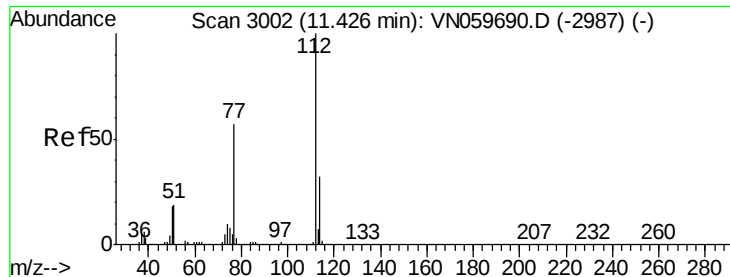
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 55.429 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

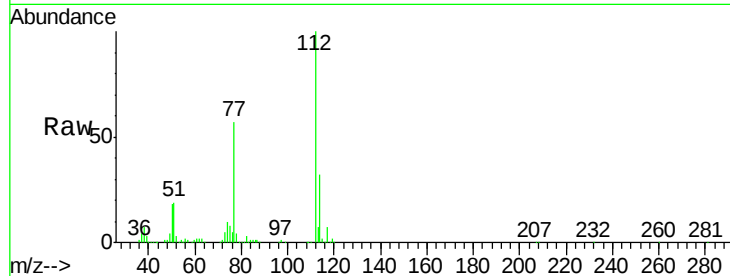
VSTDCCC050

Tgt Ion:112 Resp: 292189

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

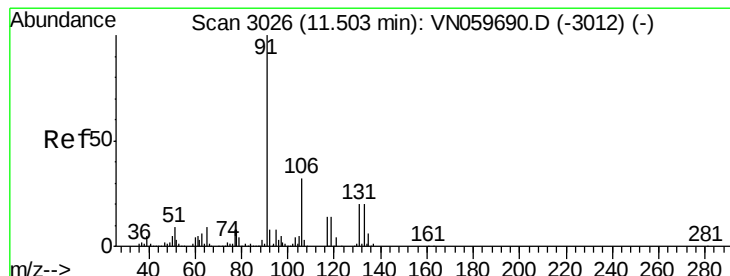
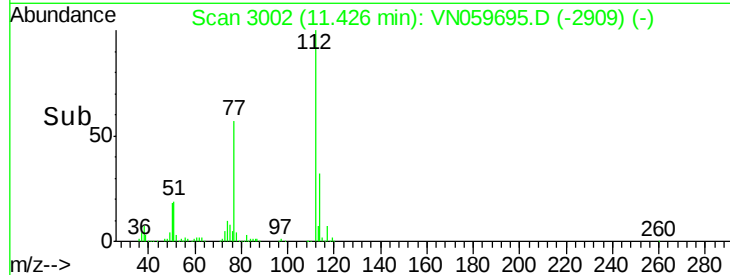
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.438 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

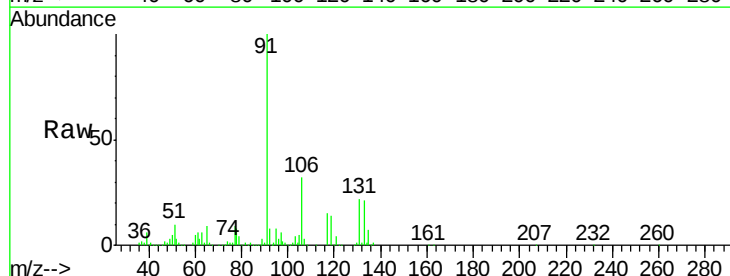
Tgt Ion:131 Resp: 114956

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 65.2 33.1 99.3



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

11.50

80000

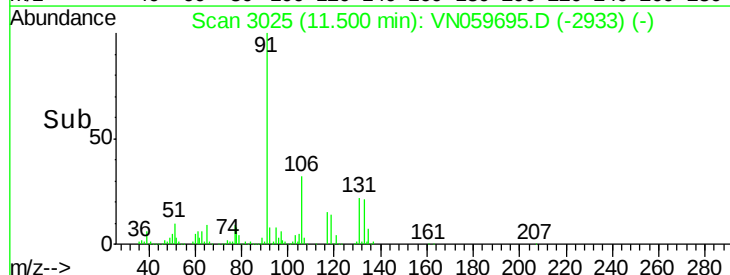
60000

40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 55.192 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

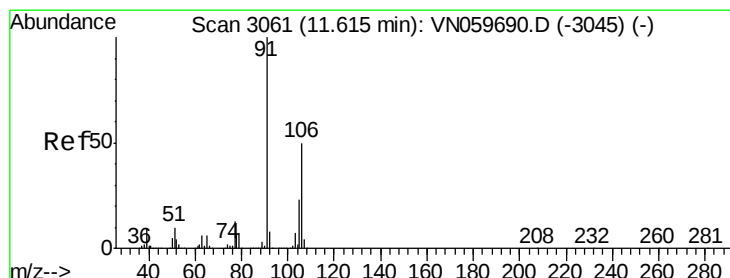
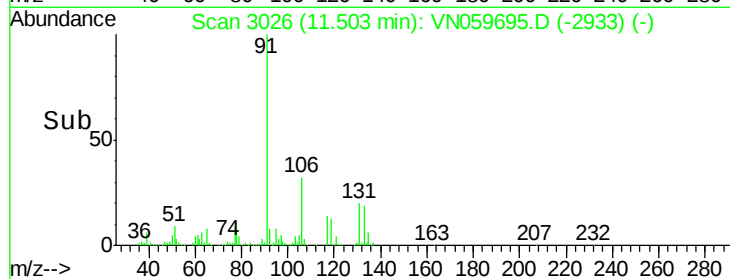
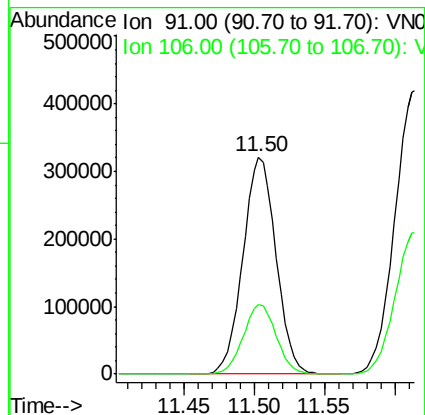
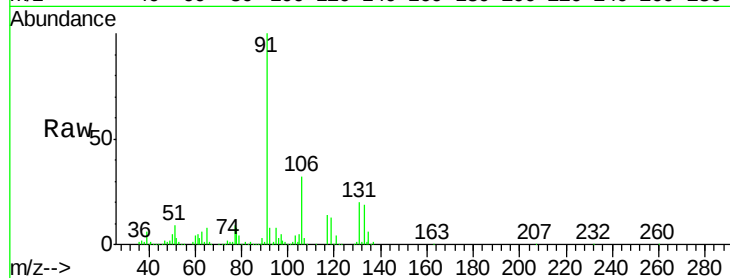
VSTDCCC050

Tgt Ion: 91 Resp: 528146

Ion Ratio Lower Upper

91 100

106 32.0 24.1 36.1



#68

m/p-Xylenes

Concen: 112.426 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059695.D

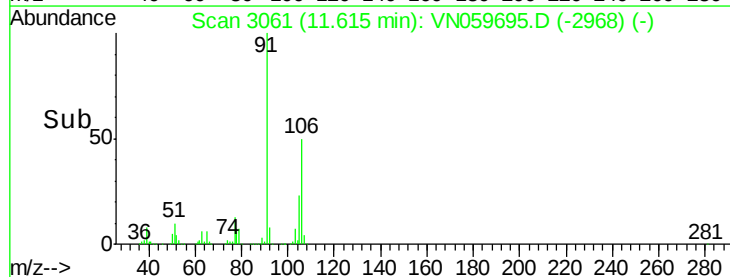
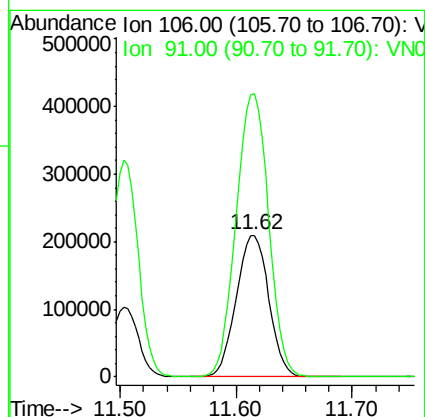
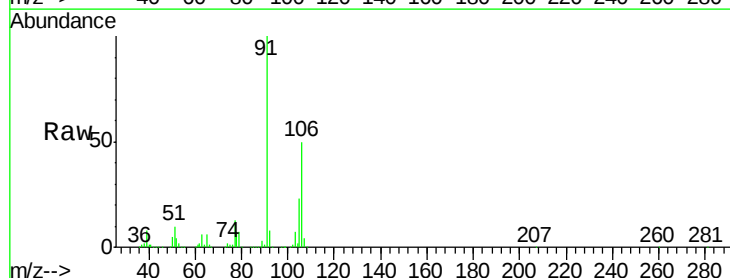
Acq: 14 Jan 2020 9:27

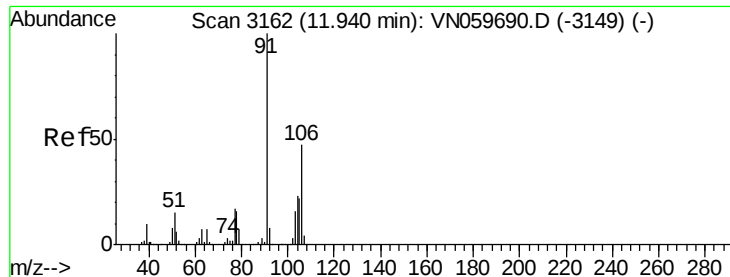
Tgt Ion: 106 Resp: 406388

Ion Ratio Lower Upper

106 100

91 200.1 167.9 251.9

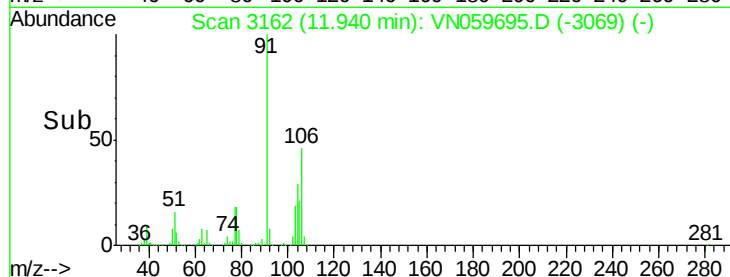
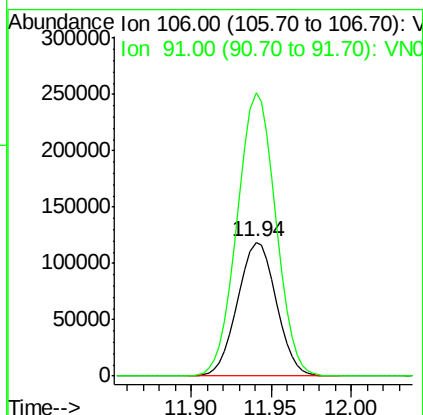
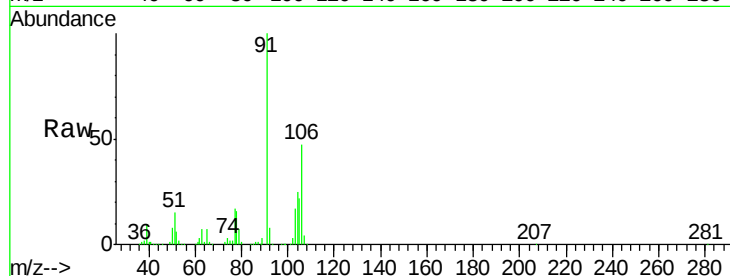




#69
o-Xylene
Concen: 55.480 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

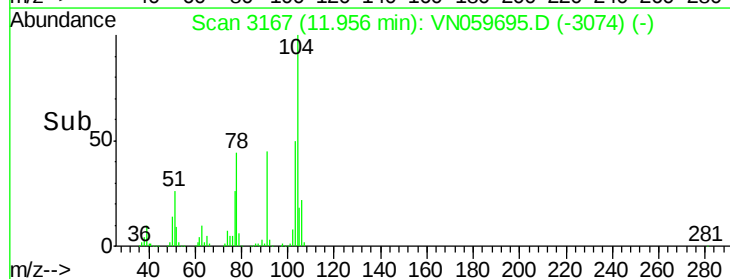
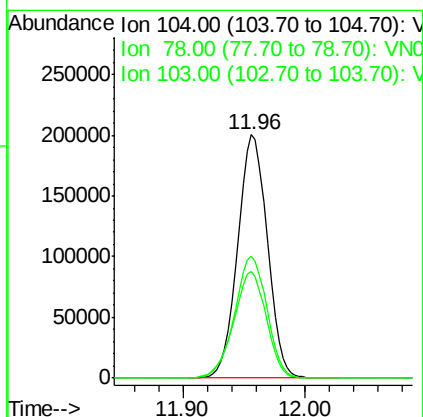
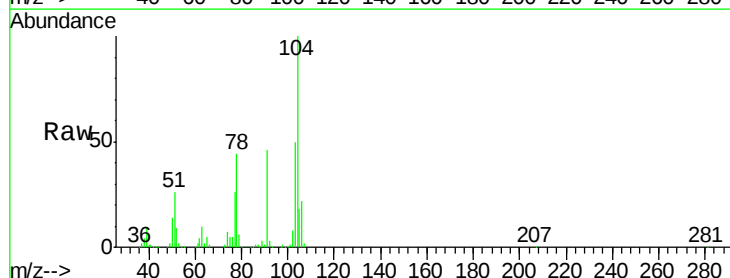
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

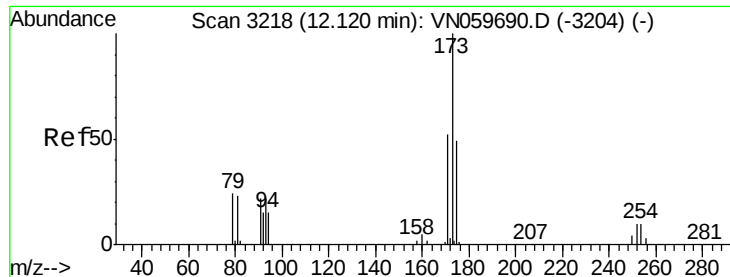
Tgt Ion:106 Resp: 196333
Ion Ratio Lower Upper
106 100
91 210.8 110.3 330.9



#70
Styrene
Concen: 56.852 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion:104 Resp: 336659
Ion Ratio Lower Upper
104 100
78 48.3 42.4 63.6
103 54.4 43.9 65.9

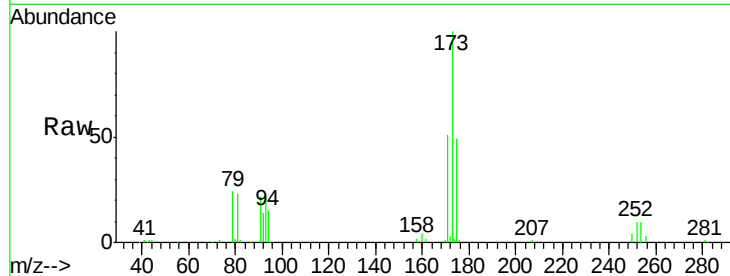




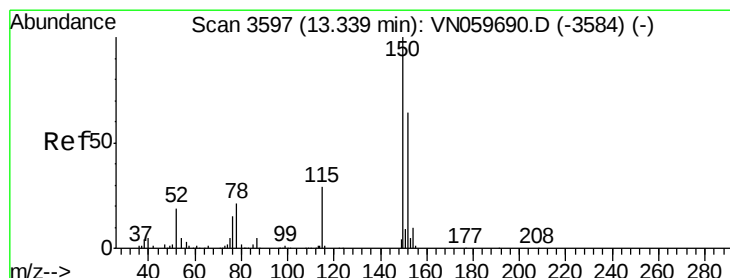
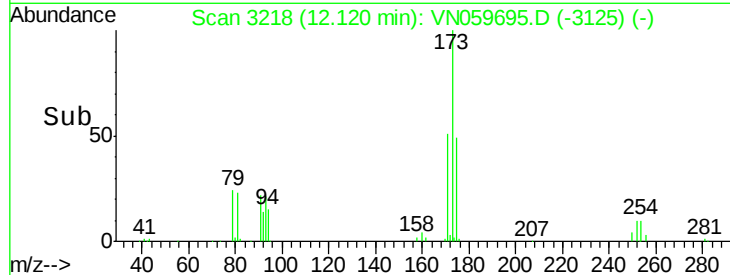
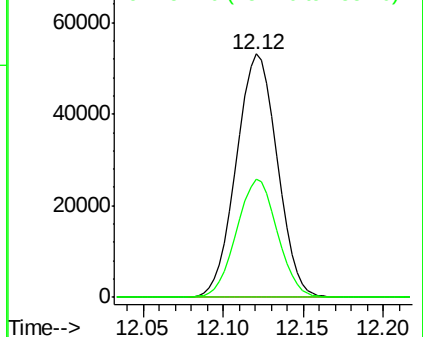
#71
Bromoform
Concen: 57.050 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 93080
Ion Ratio Lower Upper
173 100
175 48.5 23.8 71.4
254 0.0 0.0 0.0

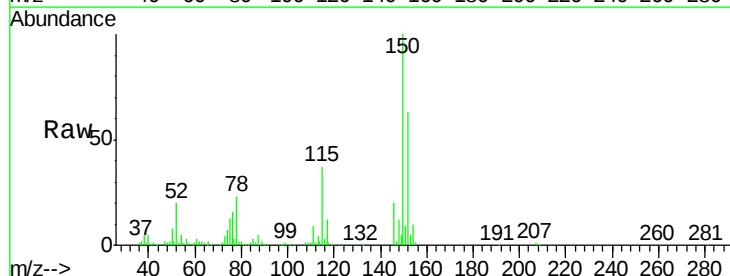


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

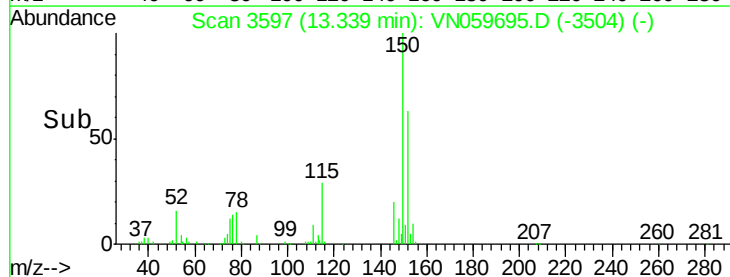
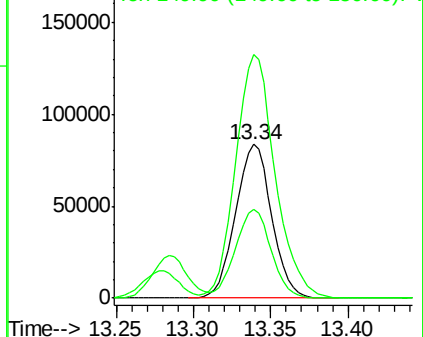


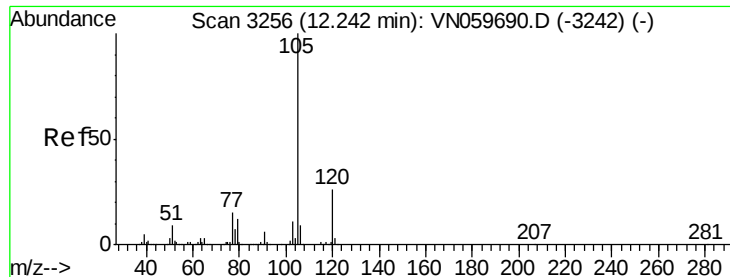
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion:152 Resp: 134884
Ion Ratio Lower Upper
152 100
115 57.4 30.3 90.9
150 174.3 0.0 345.2



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: 53.271 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

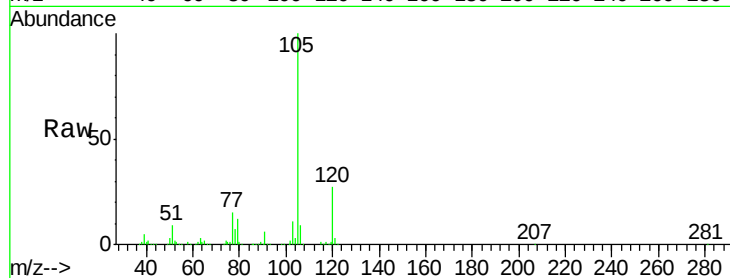
VSTDCCC050

Tgt Ion: 105 Resp: 526972

Ion Ratio Lower Upper

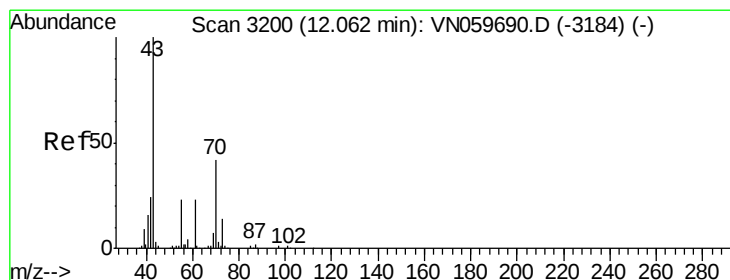
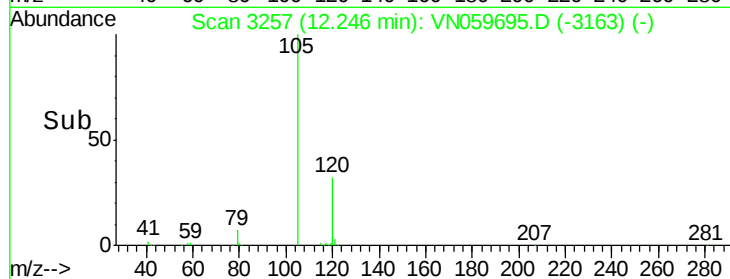
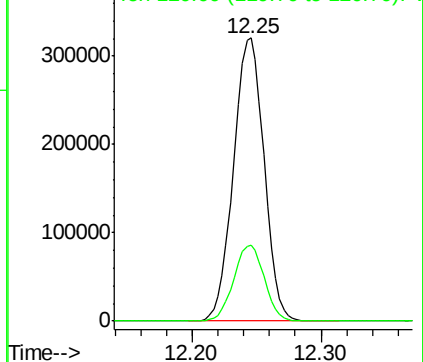
105 100

120 26.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.395 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion: 43 Resp: 197280

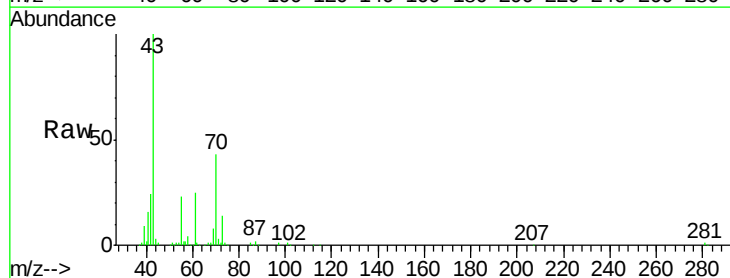
Ion Ratio Lower Upper

43 100

70 42.3 31.3 46.9

55 22.4 19.8 29.6

61 24.4 18.3 27.5

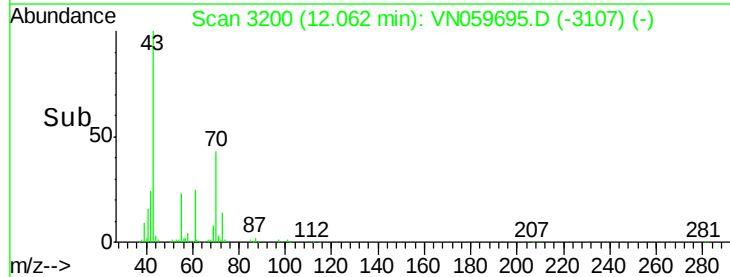
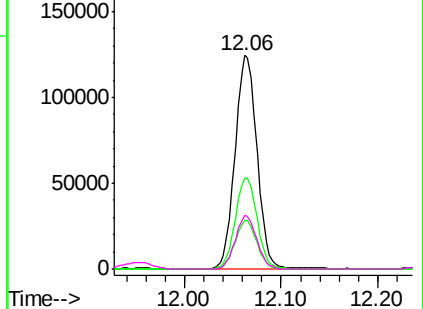


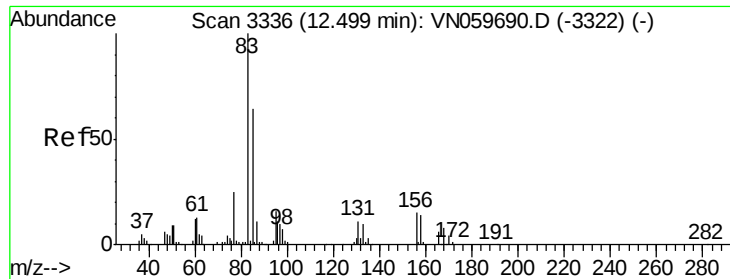
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: 51.515 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

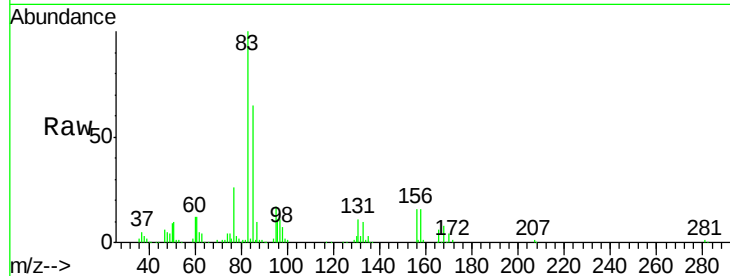
Tgt Ion: 83 Resp: 147734

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

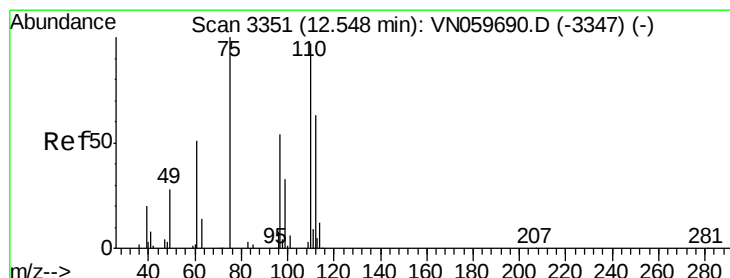
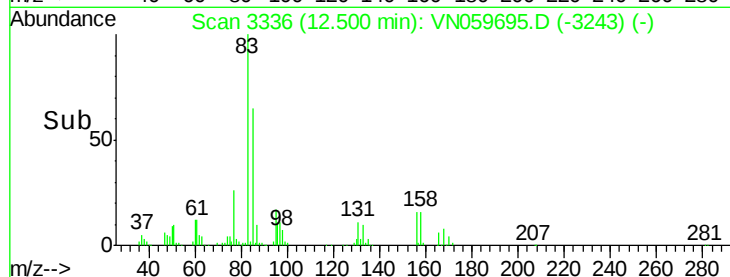
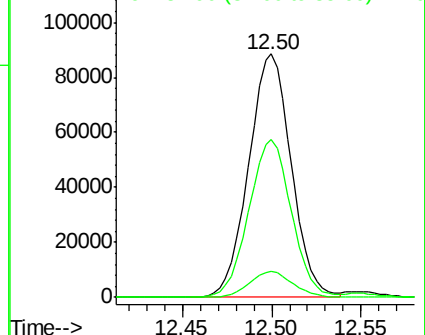
85 64.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 86.514 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059695.D

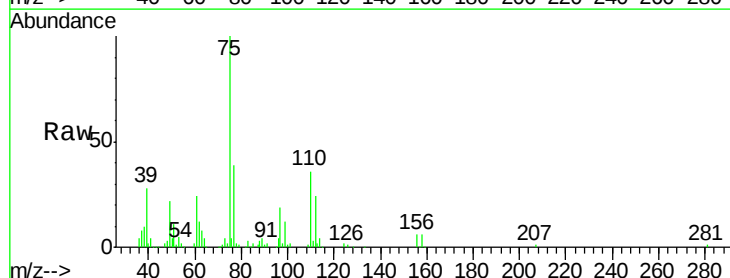
Acq: 14 Jan 2020 9:27

Tgt Ion: 75 Resp: 196384

Ion Ratio Lower Upper

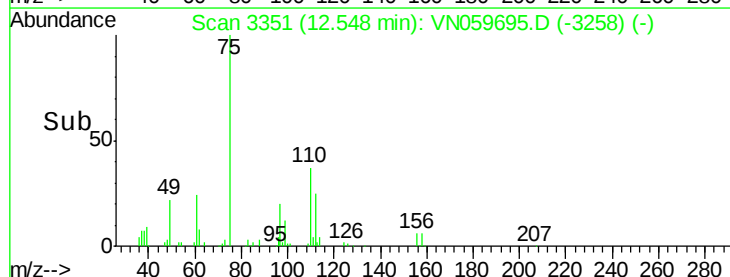
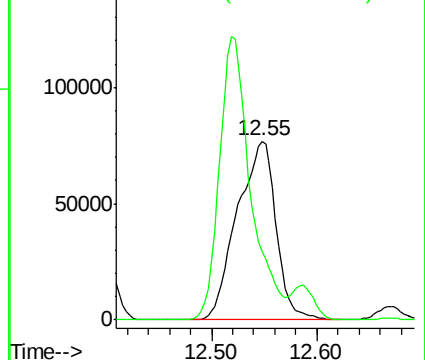
75 100

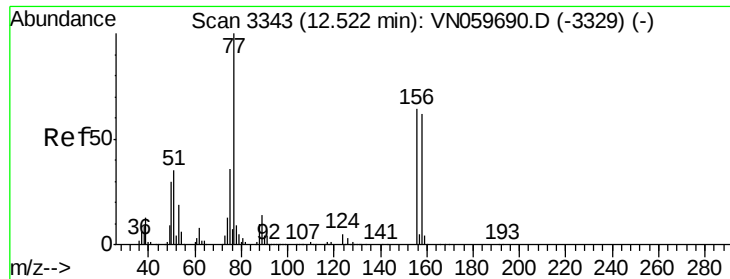
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 53.731 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

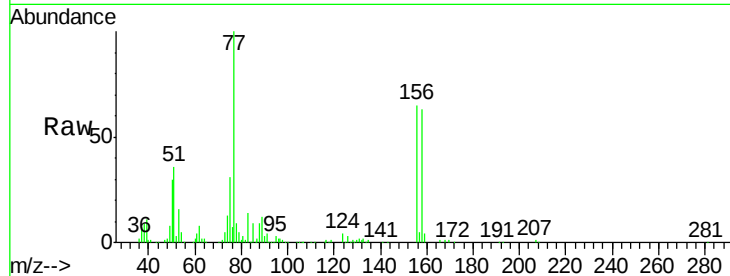
Tgt Ion:156 Resp: 134603

Ion Ratio Lower Upper

156 100

77 185.3 115.8 347.4

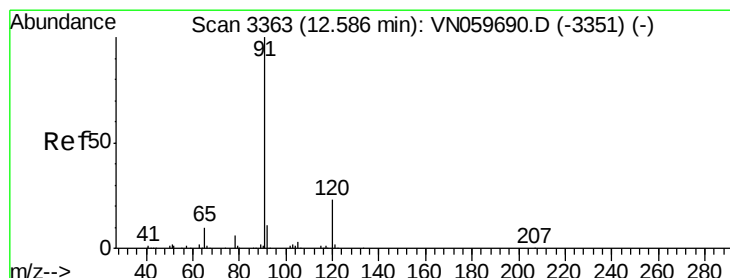
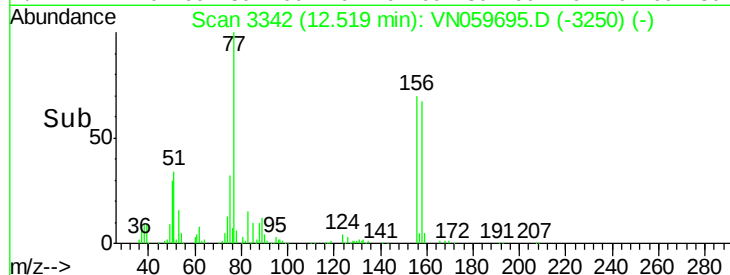
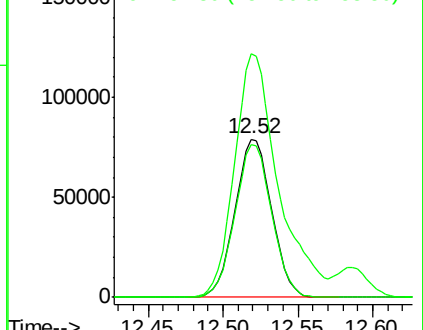
158 97.0 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.526 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059695.D

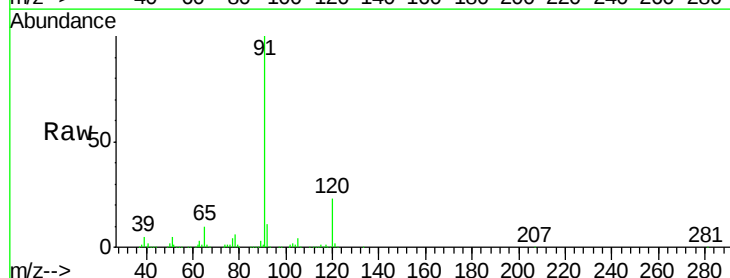
Acq: 14 Jan 2020 9:27

Tgt Ion: 91 Resp: 605405

Ion Ratio Lower Upper

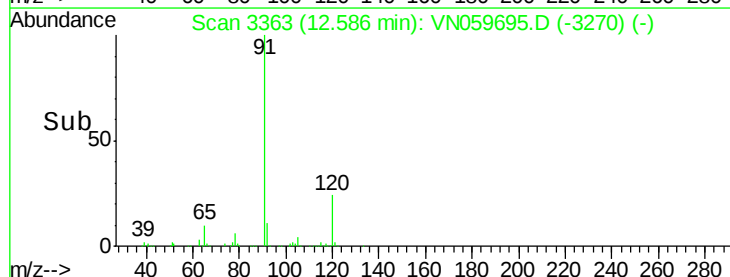
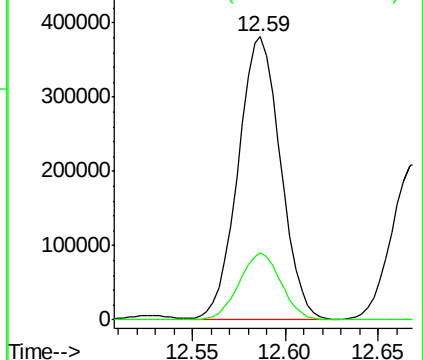
91 100

120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.777 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

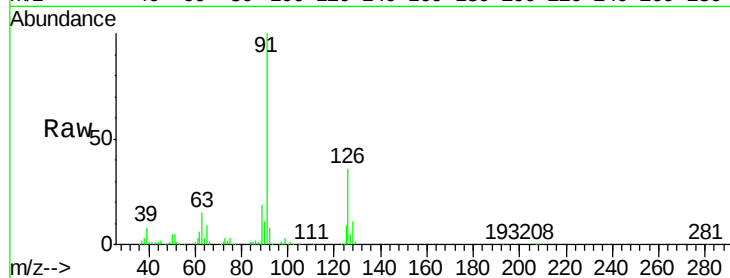
VSTDCCC050

Tgt Ion: 91 Resp: 348604

Ion Ratio Lower Upper

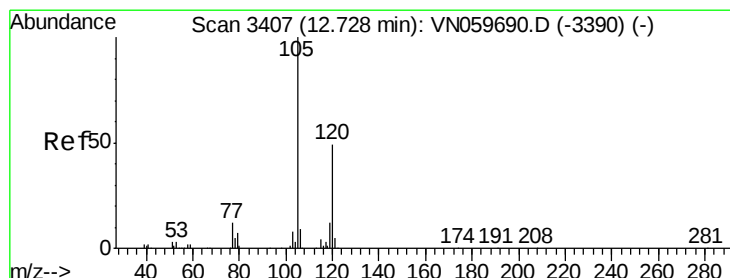
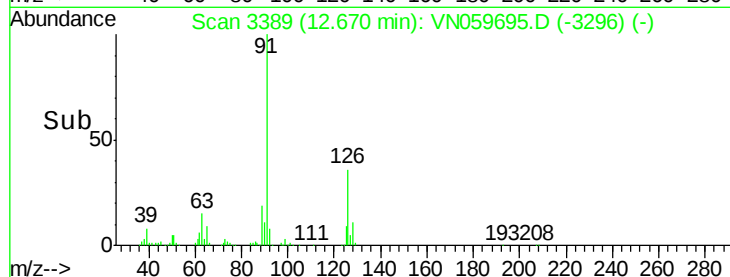
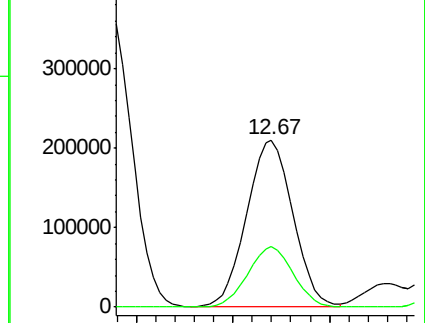
91 100

126 35.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059695.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059695.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.112 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059695.D

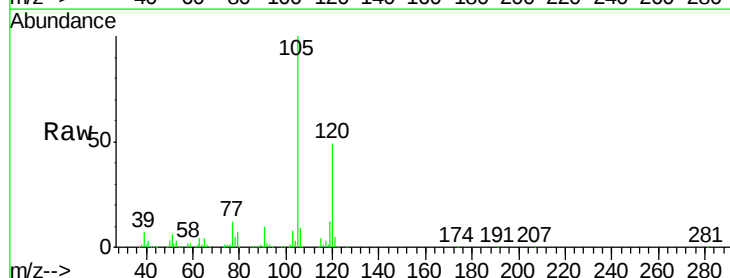
Acq: 14 Jan 2020 9:27

Tgt Ion: 105 Resp: 450183

Ion Ratio Lower Upper

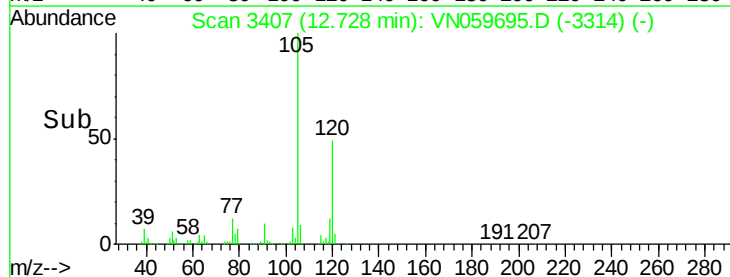
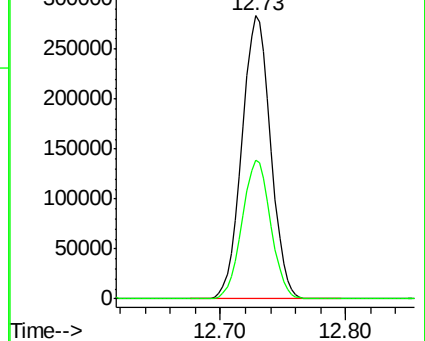
105 100

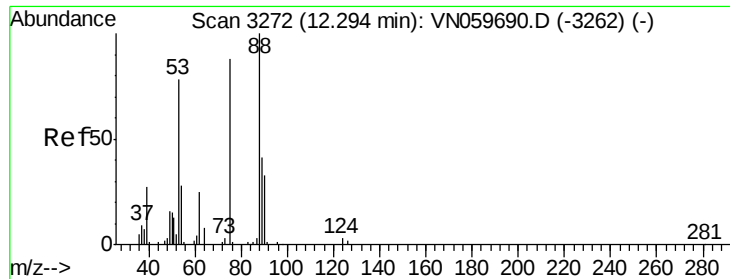
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059695.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059695.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.495 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

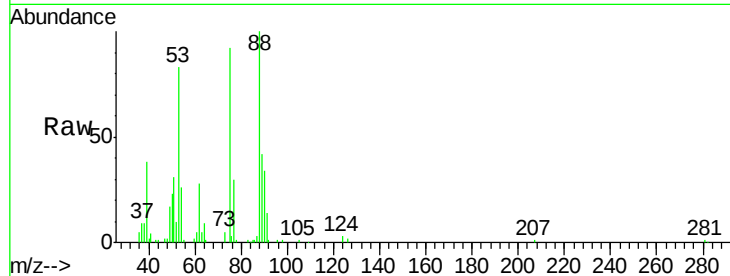
Tgt Ion: 75 Resp: 56545

Ion Ratio Lower Upper

75 100

53 88.1 78.1 117.1

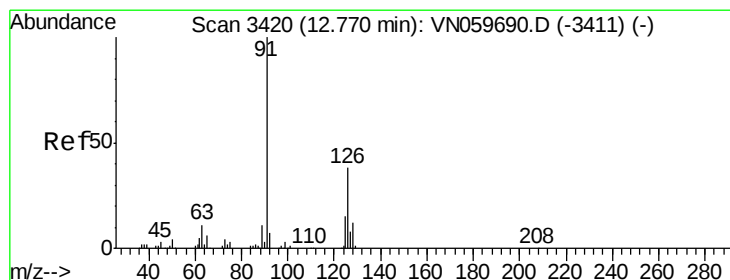
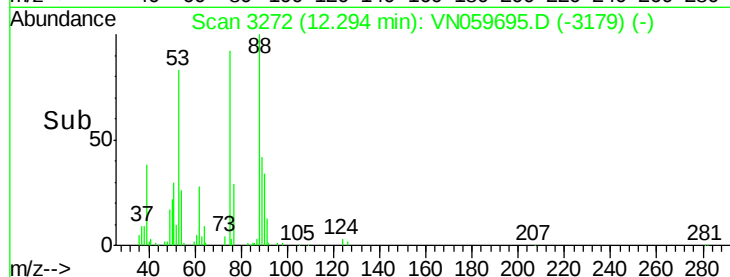
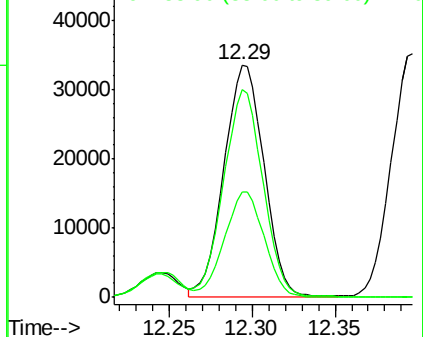
89 45.0 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 54.655 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059695.D

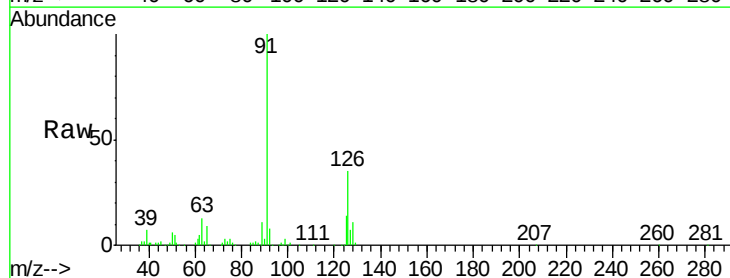
Acq: 14 Jan 2020 9:27

Tgt Ion: 91 Resp: 362099

Ion Ratio Lower Upper

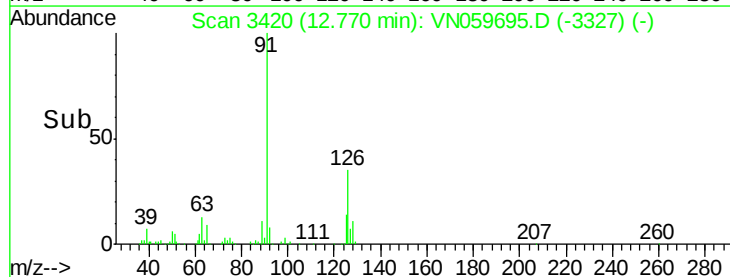
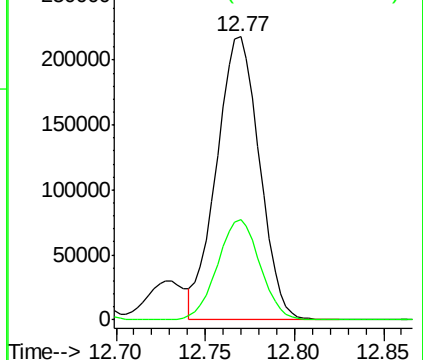
91 100

126 35.2 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

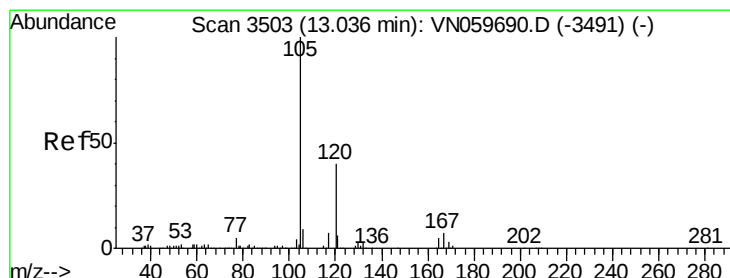
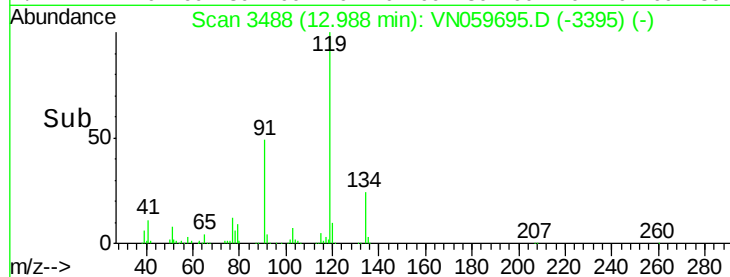
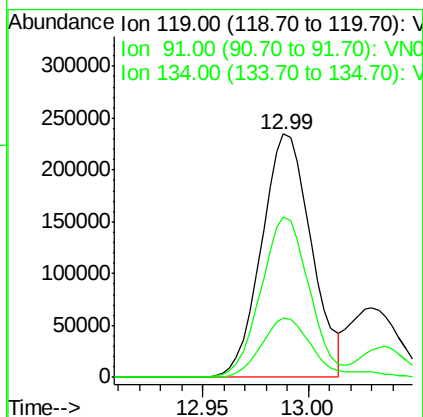
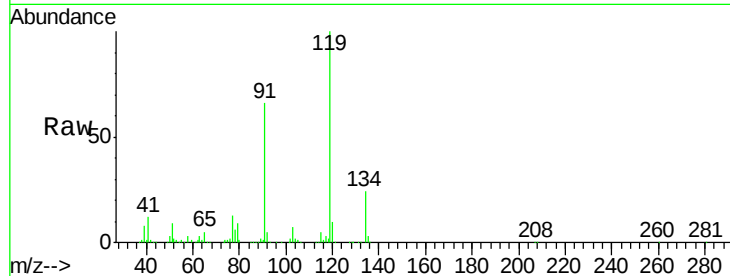




#83
 tert-Butylbenzene
 Concen: 53.654 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

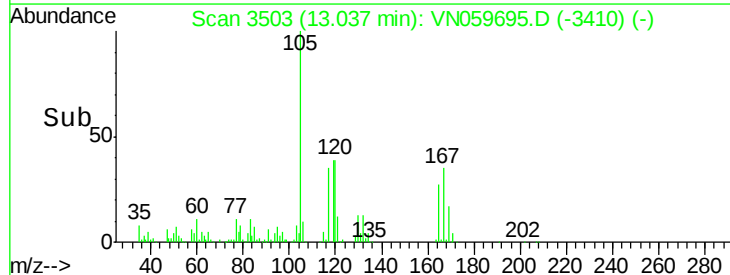
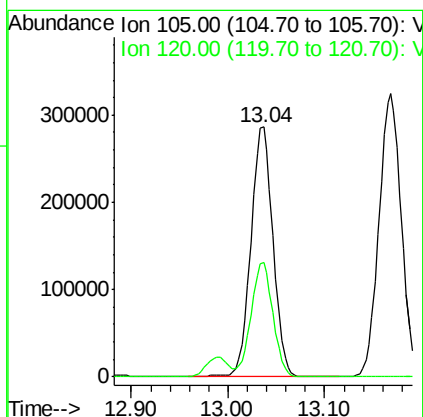
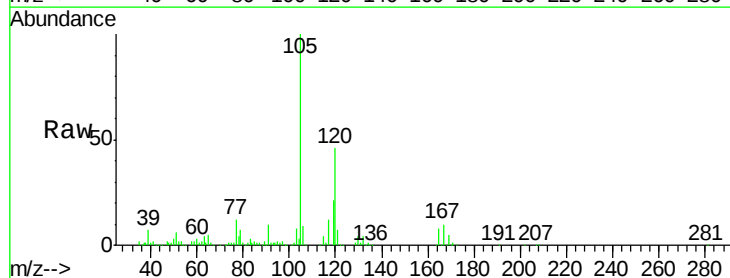
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 386059
 Ion Ratio Lower Upper
 119 100
 91 64.1 34.8 104.4
 134 25.8 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 55.148 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion:105 Resp: 453902
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 54.772 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

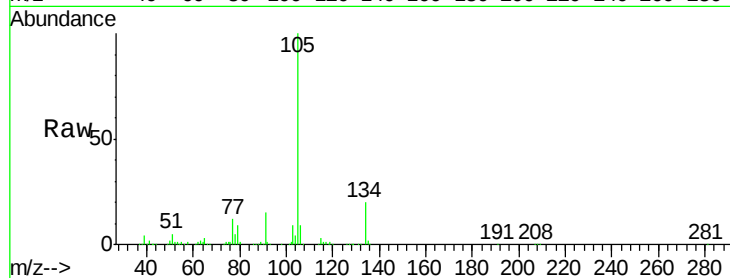
VSTDCCC050

Tgt Ion:105 Resp: 517787

Ion Ratio Lower Upper

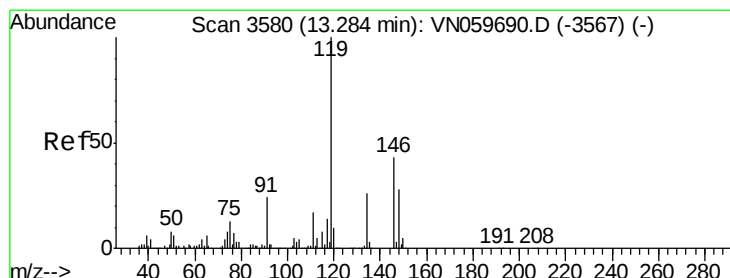
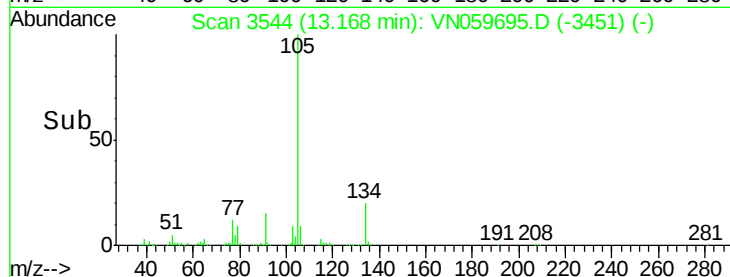
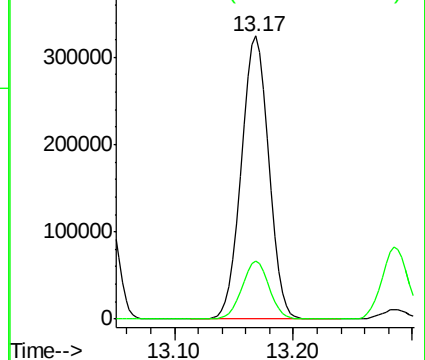
105 100

134 20.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.343 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

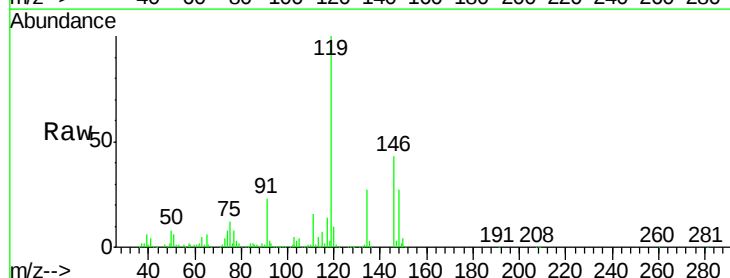
Tgt Ion:119 Resp: 475354

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.7

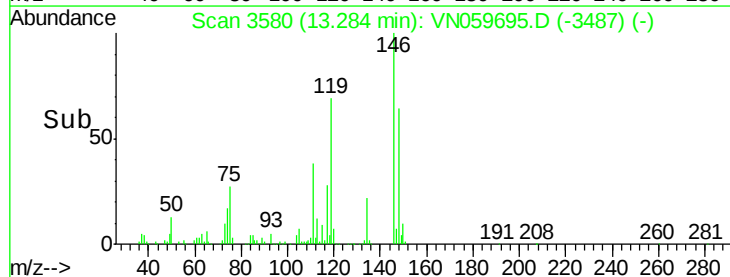
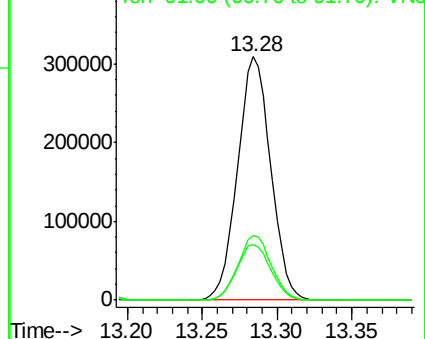
91 23.5 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.471 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

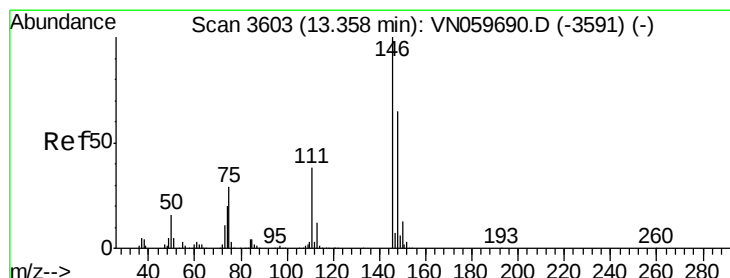
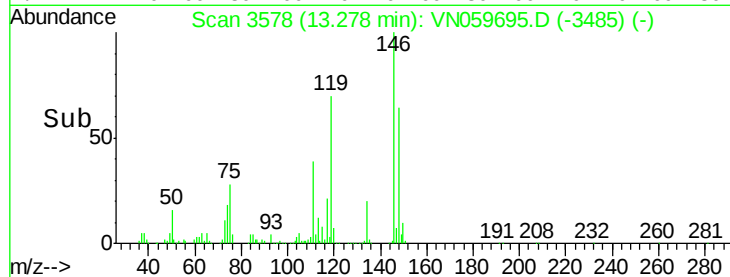
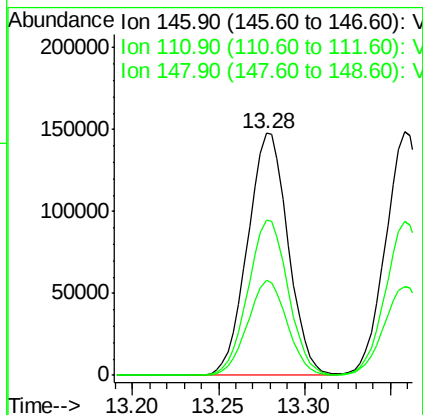
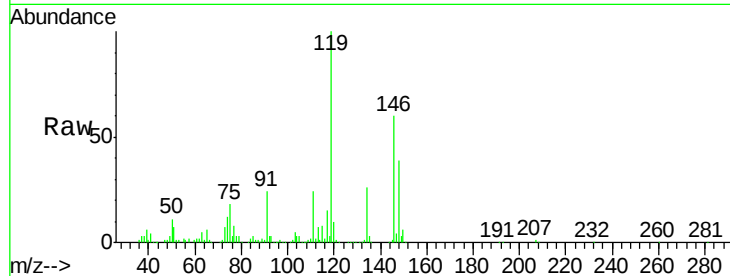
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	241383
Ion Ratio	Lower	Upper	
146	100		
111	38.5	20.8	62.2
148	63.8	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 55.618 ug/l

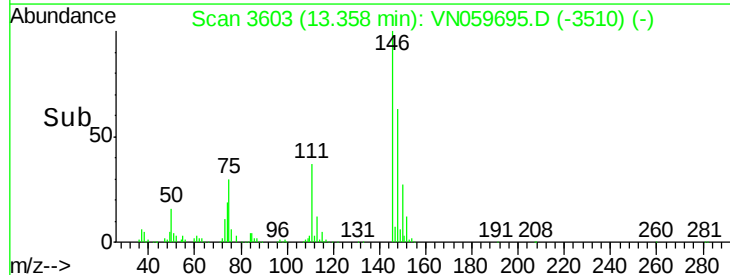
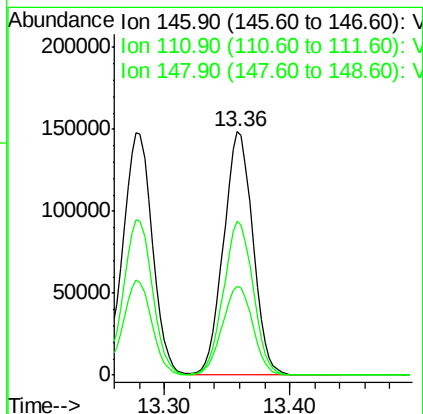
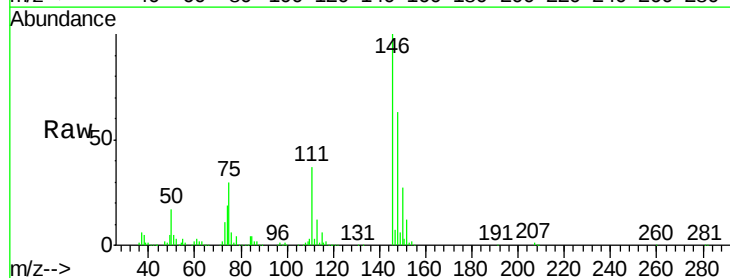
RT: 13.36 min Scan# 3603

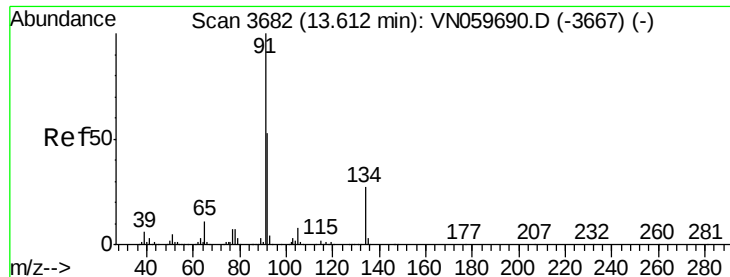
Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Tgt Ion:	146	Resp:	241443
Ion Ratio	Lower	Upper	
146	100		
111	38.0	20.8	62.2
148	63.4	31.8	95.4





#89

n-Butylbenzene

Concen: 57.401 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

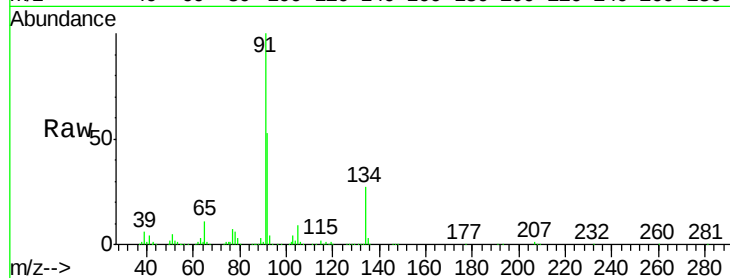
Tgt Ion: 91 Resp: 428116

Ion Ratio Lower Upper

91 100

92 52.4 25.9 77.7

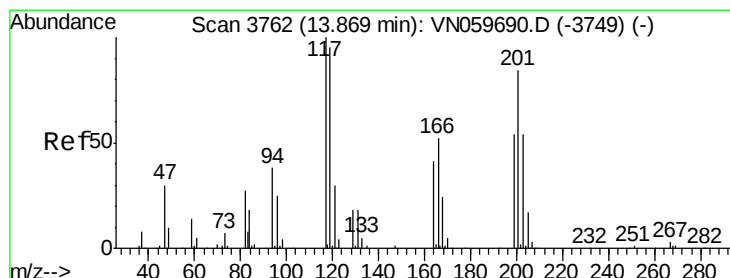
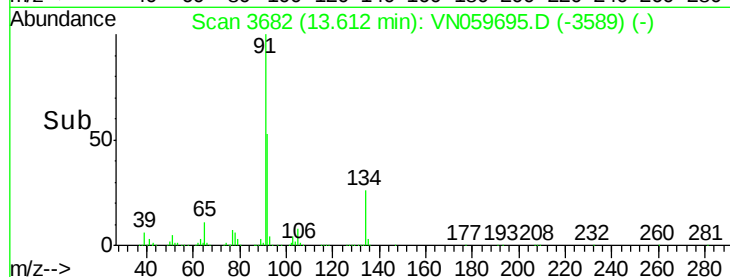
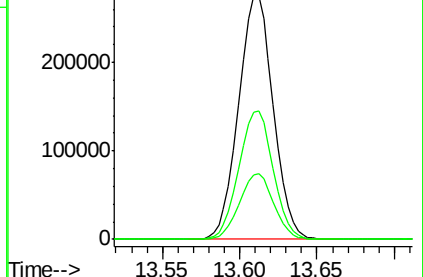
134 26.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059695.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN059695.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN059695.D (-3667) (-)



#90

Hexachloroethane

Concen: 54.735 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059695.D

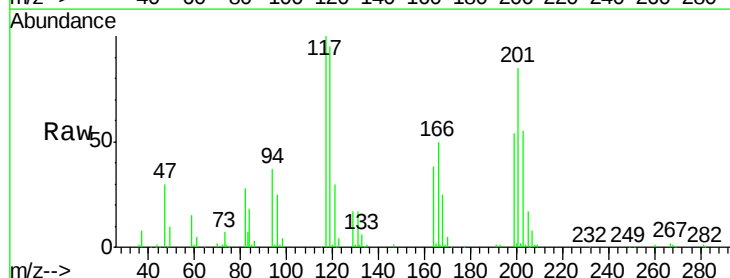
Acq: 14 Jan 2020 9:27

Tgt Ion: 117 Resp: 89580

Ion Ratio Lower Upper

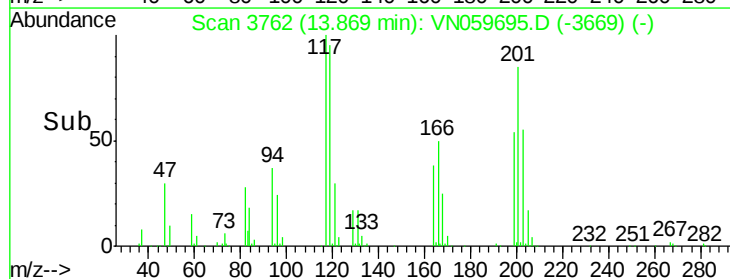
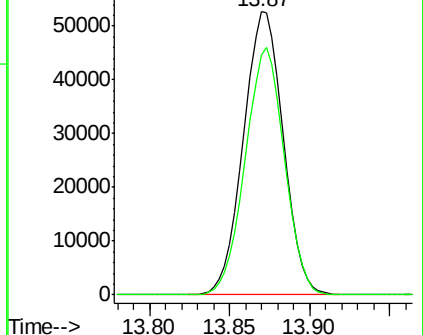
117 100

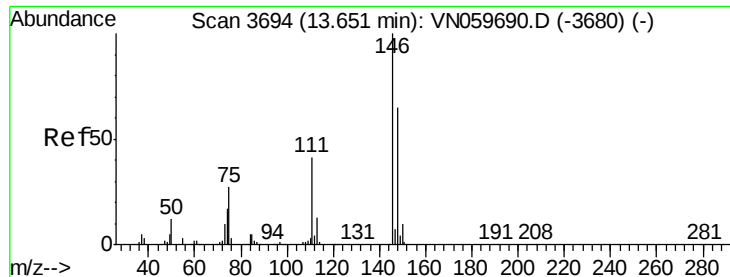
201 85.7 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059695.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059695.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 54.633 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

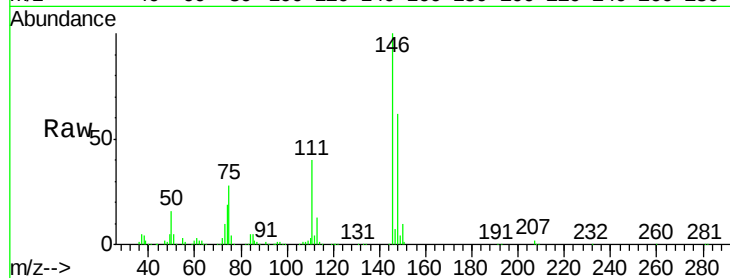
Tgt Ion:146 Resp: 235030

Ion Ratio Lower Upper

146 100

111 39.7 21.6 64.8

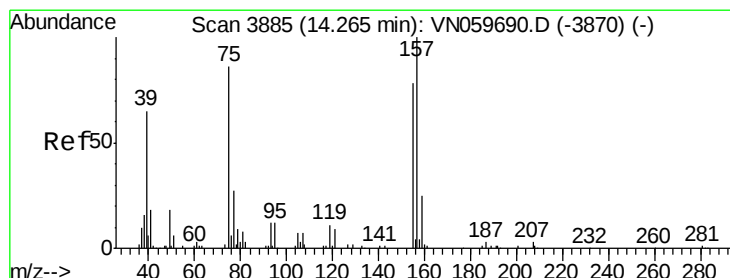
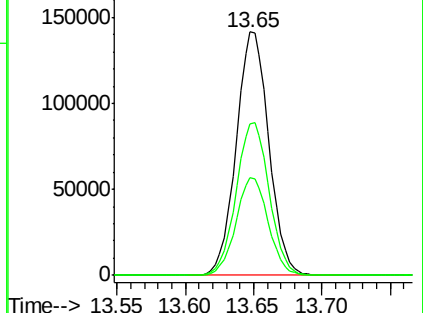
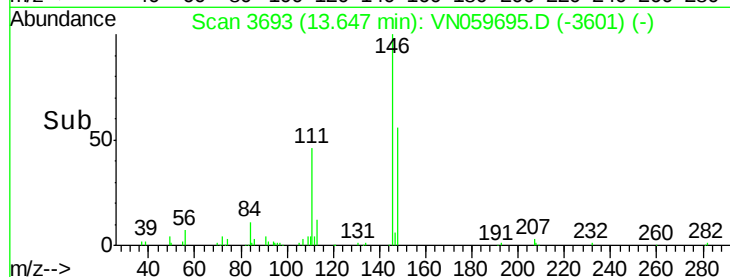
148 63.4 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.769 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059695.D

Acq: 14 Jan 2020 9:27

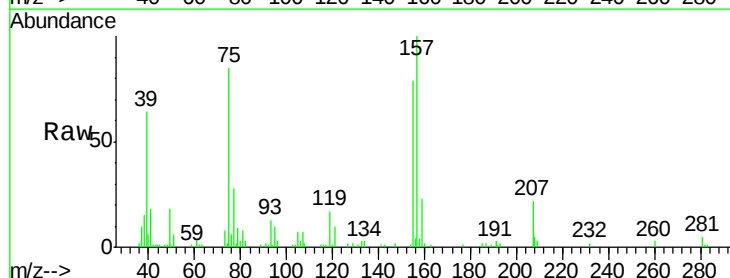
Tgt Ion: 75 Resp: 32410

Ion Ratio Lower Upper

75 100

155 90.2 37.0 110.9

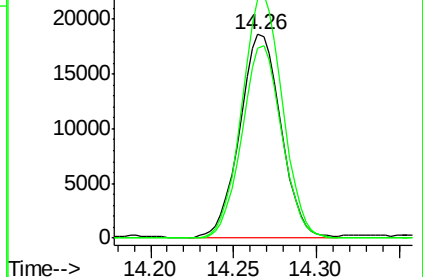
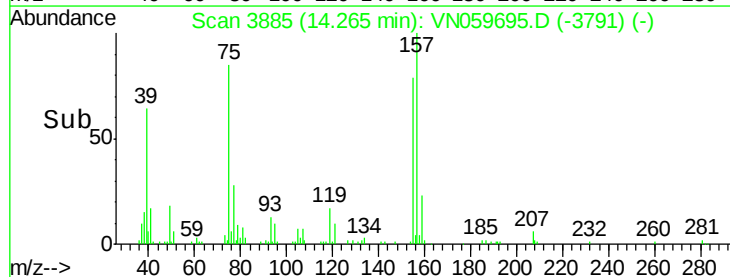
157 116.0 48.4 145.2

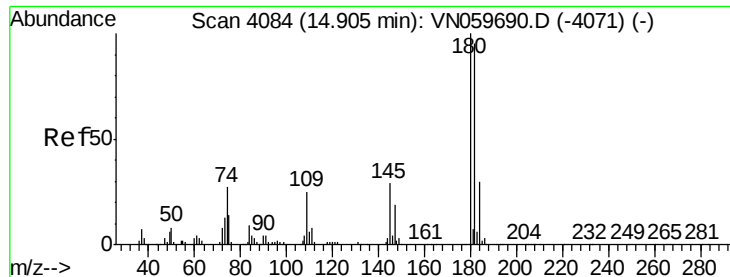


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

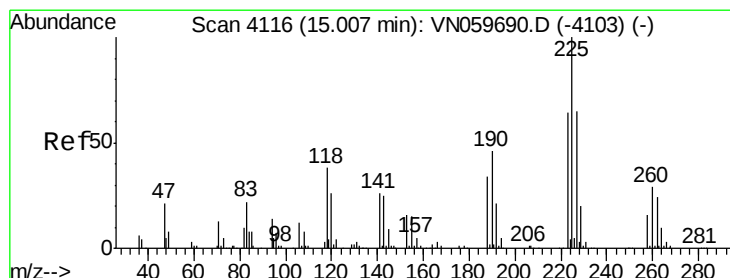
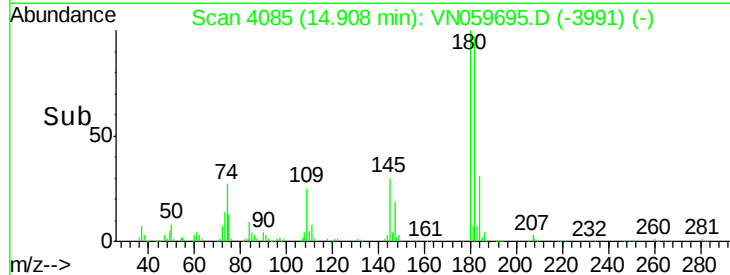
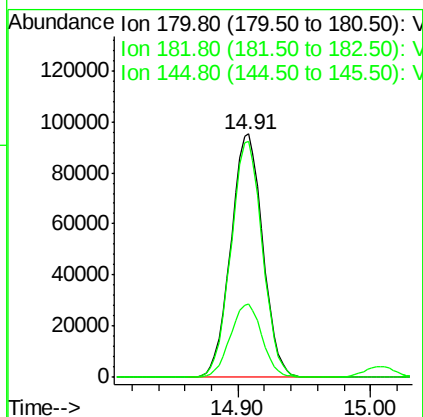
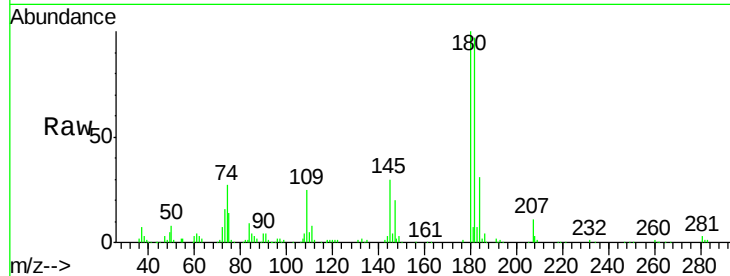




#93
 1,2,4-Trichlorobenzene
 Concen: 61.327 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

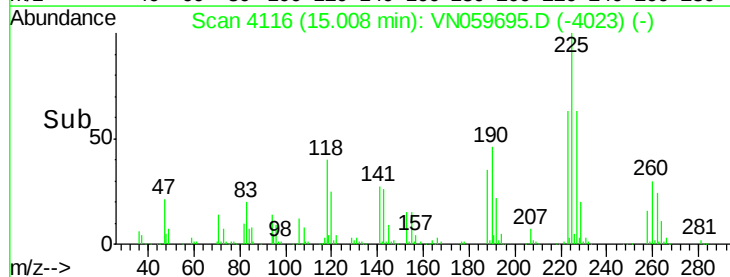
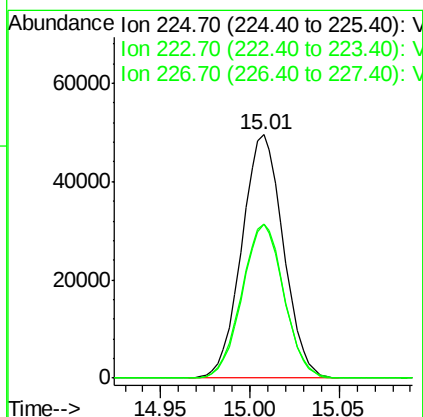
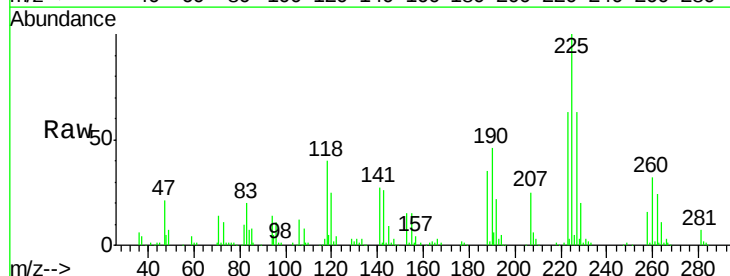
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

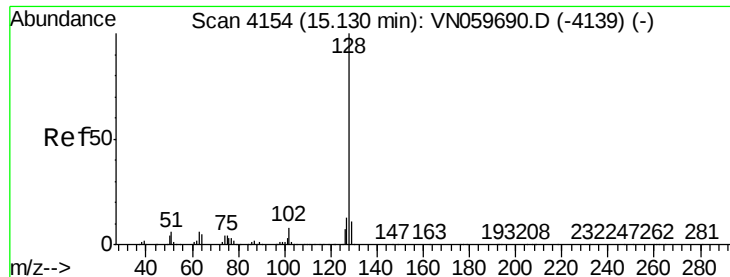
Tgt Ion:180 Resp: 158529
 Ion Ratio Lower Upper
 180 100
 182 95.8 46.9 140.7
 145 30.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 56.484 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059695.D
 Acq: 14 Jan 2020 9:27

Tgt Ion:225 Resp: 80460
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.8 95.3
 227 63.5 32.1 96.5

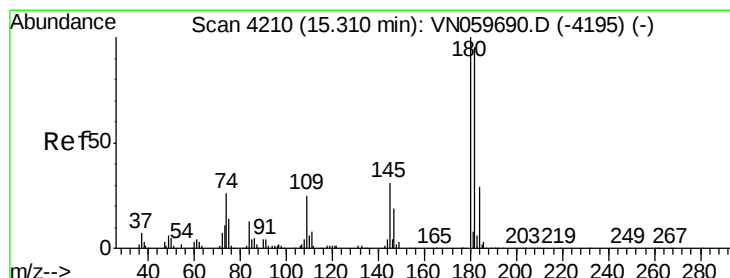
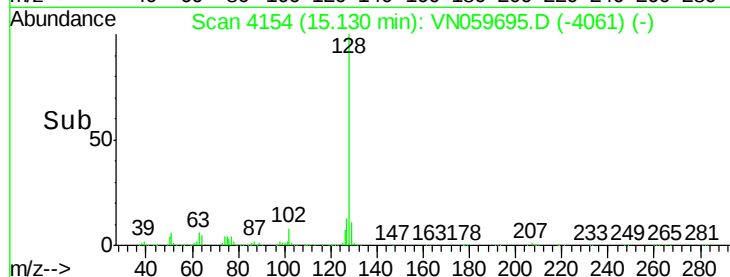
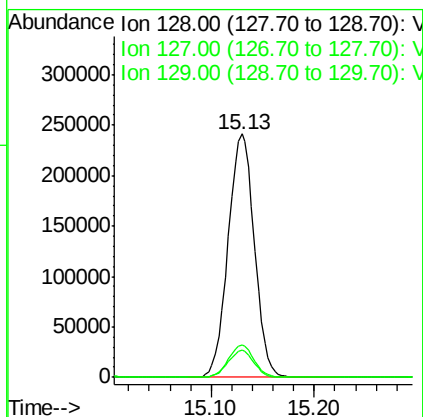
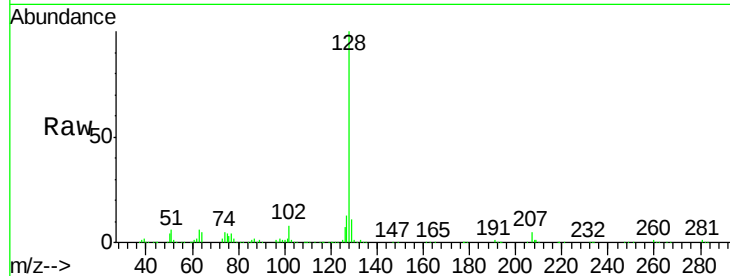




#95
Naphthalene
Concen: 58.171 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 427710
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 59.829 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059695.D
Acq: 14 Jan 2020 9:27

Tgt Ion:180 Resp: 150537
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.3
145 32.0 16.3 48.9

