

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060357.D
 Acq On : 5 Mar 2020 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 06 00:41:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148763	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	124301	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.56	113	81389	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.08	98	368378	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	141111	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	83872	45.891	ug/l	98
3) Chloromethane	2.04	50	148297	46.605	ug/l	99
4) Vinyl Chloride	2.16	62	122085	44.738	ug/l	99
5) Bromomethane	2.54	94	44735	40.258	ug/l	98
6) Chloroethane	2.68	64	66746	45.143	ug/l	97
7) Trichlorofluoromethane	3.00	101	162846	46.706	ug/l	99
8) Diethyl Ether	3.38	74	61289	46.557	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94721	48.003	ug/l	99
10) Methyl Iodide	3.93	142	84255	46.786	ug/l	100
11) Tert butyl alcohol	4.73	59	89747	236.321	ug/l	100
12) 1,1-Dichloroethene	3.71	96	92465	48.280	ug/l	99
13) Acrolein	3.57	56	116440	328.659	ug/l	98
14) Allyl chloride	4.29	41	159768	45.246	ug/l	91
15) Acrylonitrile	4.94	53	253857	253.605	ug/l	99
16) Acetone	3.78	43	206437	249.948	ug/l	97
17) Carbon Disulfide	4.03	76	238890	46.963	ug/l	100
18) Methyl Acetate	4.28	43	131784	47.813	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	344587	49.558	ug/l	98
20) Methylene Chloride	4.52	84	106773	47.073	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	99694	48.438	ug/l	97
22) Diisopropyl ether	5.91	45	369558	51.668	ug/l	96
23) Vinyl Acetate	5.86	43	1479290	260.273	ug/l	99
24) 1,1-Dichloroethane	5.82	63	202861	50.104	ug/l	99
25) 2-Butanone	6.80	43	344480	258.220	ug/l	99
26) 2,2-Dichloropropane	6.79	77	184290	49.998	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	122466	46.563	ug/l	98
28) Bromochloromethane	7.17	49	85733	51.574	ug/l	95
29) Tetrahydrofuran	7.18	42	231335	249.371	ug/l	99
30) Chloroform	7.34	83	202584	50.263	ug/l	100
31) Cyclohexane	7.63	56	177833	51.511	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	178553	50.000	ug/l	100
36) 1,1-Dichloropropene	7.77	75	150865	48.895	ug/l	99
37) Ethyl Acetate	6.89	43	150376	51.471	ug/l	99
38) Carbon Tetrachloride	7.75	117	149254	49.684	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	178402	49.039	ug/l	98
40) Benzene	8.02	78	449295	50.030	ug/l	99
41) Methacrylonitrile	7.18	41	214941	159.334	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	164550	50.776	ug/l	99
43) Isopropyl Acetate	8.14	43	264380	51.690	ug/l	99
44) Trichloroethene	8.82	130	122137	48.833	ug/l	99
45) 1,2-Dichloropropane	9.10	63	123454	52.579	ug/l	99
46) Dibromomethane	9.19	93	76485	50.203	ug/l	99
47) Bromodichloromethane	9.38	83	163956	52.913	ug/l	99
48) Methyl methacrylate	9.18	41	117810	50.511	ug/l	99
49) 1,4-Dioxane	9.18	88	31133	949.191	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	764026	263.462	ug/l	100
52) Toluene	10.14	92	284086	50.359	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	190523	50.180	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	199732	50.767	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113256	49.924	ug/l	98
56) Ethyl methacrylate	10.42	69	174596	53.571	ug/l	99
57) 1,3-Dichloropropane	10.70	76	192158	51.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	507363	297.650	ug/l	99
59) 2-Hexanone	10.74	43	554579	260.462	ug/l	100
60) Dibromochloromethane	10.89	129	122610	53.146	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114541	51.794	ug/l	97
64) Tetrachloroethene	10.62	164	126586	53.321	ug/l	99
65) Chlorobenzene	11.42	112	299888	49.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114348	50.705	ug/l	99
67) Ethyl Benzene	11.50	91	559762	50.396	ug/l	99
68) m/p-Xylenes	11.62	106	417948	99.734	ug/l	100
69) o-Xylene	11.94	106	202429	50.656	ug/l	99
70) Styrene	11.96	104	336251	51.179	ug/l	100
71) Bromoform	12.12	173	88881	54.686	ug/l #	100
73) Isopropylbenzene	12.24	105	550722	49.947	ug/l	99
74) N-amyl acetate	12.06	43	243381	50.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153986	51.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	218222	66.860	ug/l #	100
77) Bromobenzene	12.52	156	133156	49.266	ug/l	99
78) n-propylbenzene	12.59	91	650481	50.329	ug/l	100
79) 2-Chlorotoluene	12.67	91	377035	49.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	467511	50.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	61243	51.797	ug/l #	86
82) 4-Chlorotoluene	12.77	91	393896	49.210	ug/l	99
83) tert-Butylbenzene	12.99	119	396395	49.317	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	470520	50.214	ug/l	100
85) sec-Butylbenzene	13.17	105	541679	50.326	ug/l	100
86) p-Isopropyltoluene	13.28	119	491155	49.302	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241416	51.989	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	239112	51.791	ug/l	100
89) n-Butylbenzene	13.61	91	456766	49.947	ug/l	100
90) Hexachloroethane	13.87	117	71315	49.456	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230587	48.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32911	48.489	ug/l	96

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Response via : Initial Calibration

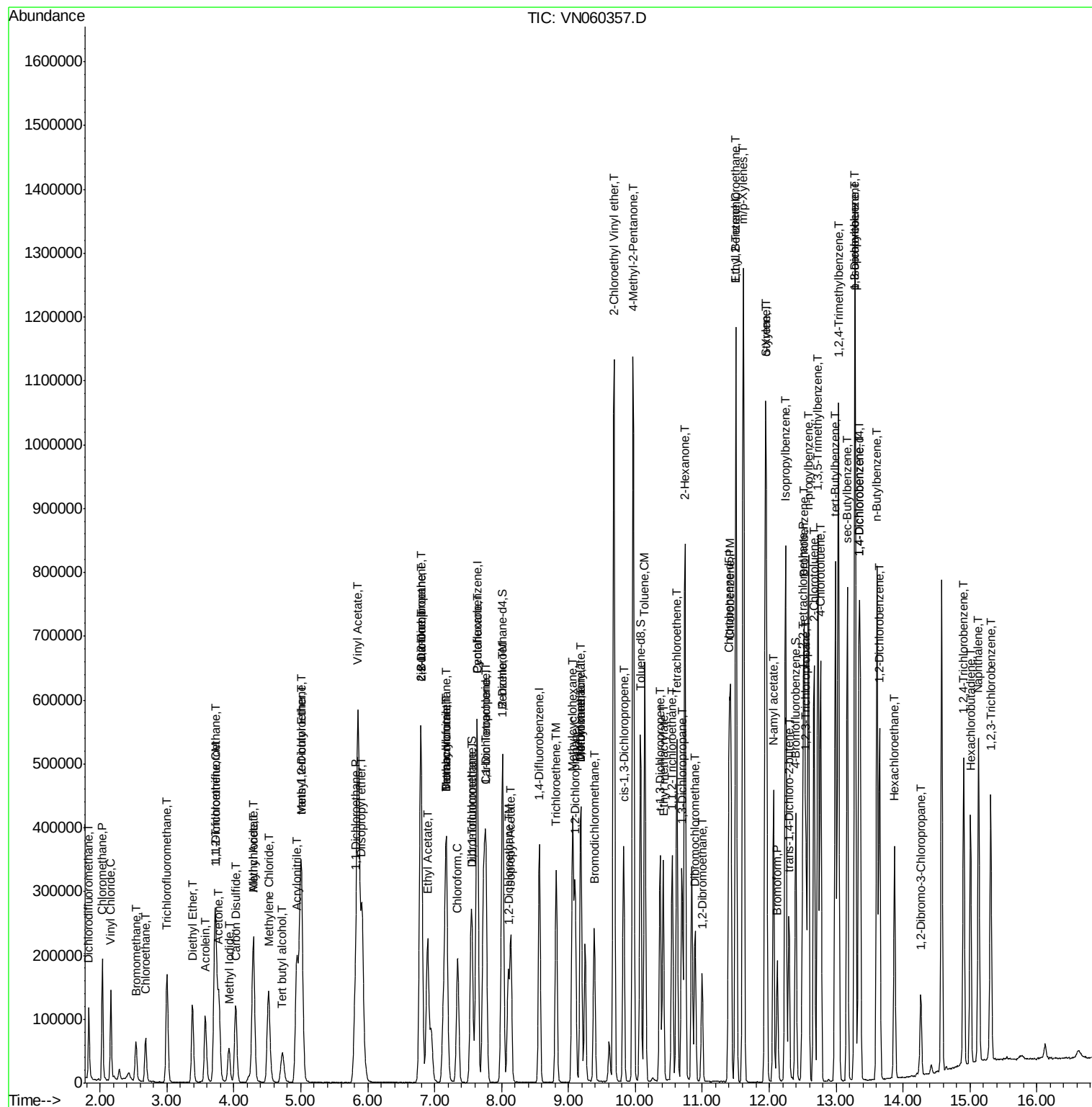
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	151482	50.337	ug/l	99
94) Hexachlorobutadiene	15.01	225	74993	54.261	ug/l	99
95) Naphthalene	15.13	128	427392	48.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	141546	49.944	ug/l	99

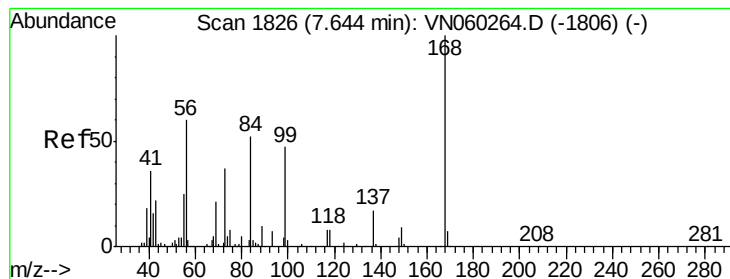
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

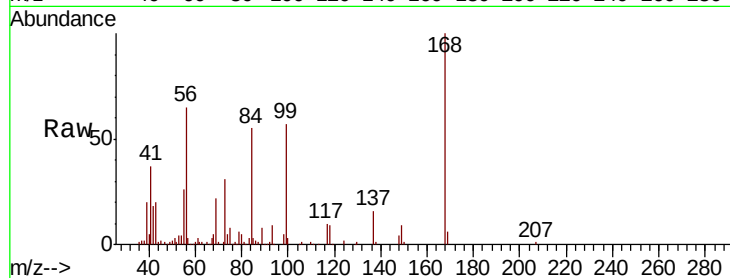
VSTDCCC050

Tot Ion:168 Resp: 199341

Ion Ratio Lower Upper

168 100

99 56.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

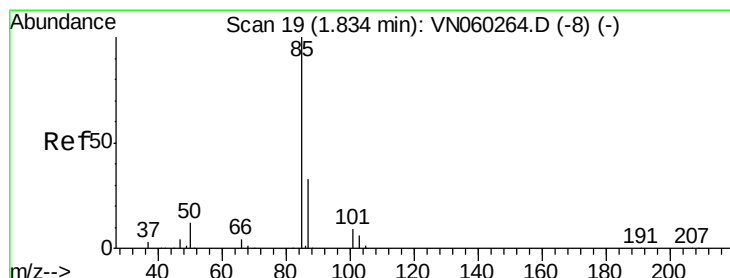
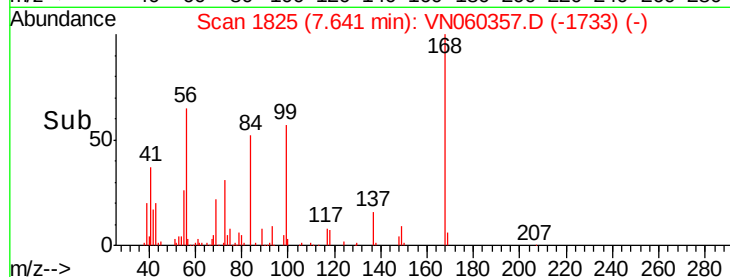
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.891 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060357.D

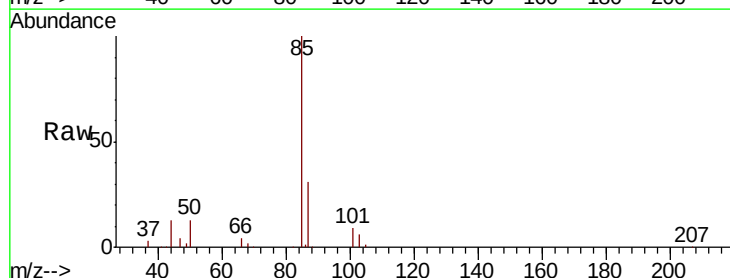
Acq: 5 Mar 2020 10:43

Tgt Ion: 85 Resp: 83872

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

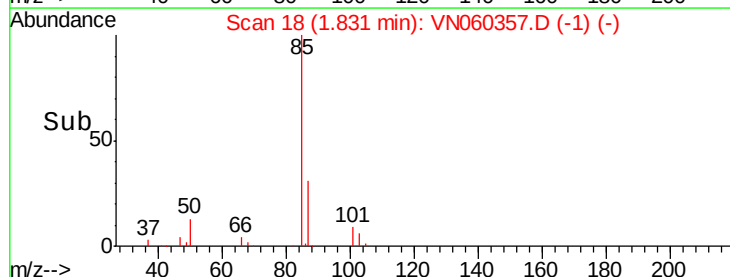
40000

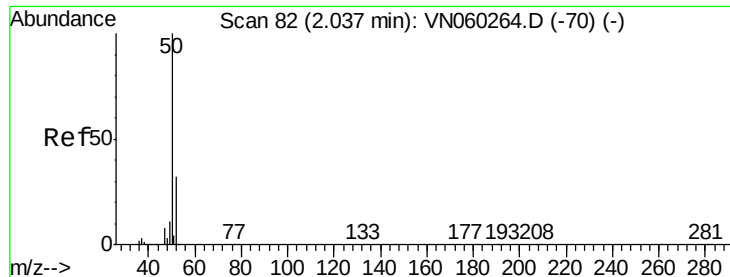
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.605 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

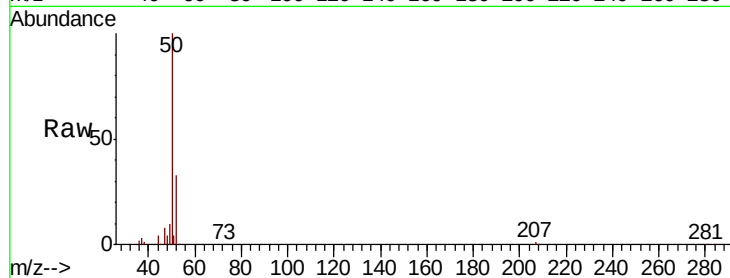
VSTDCCC050

Tot Ion: 50 Resp: 148297

Ion Ratio Lower Upper

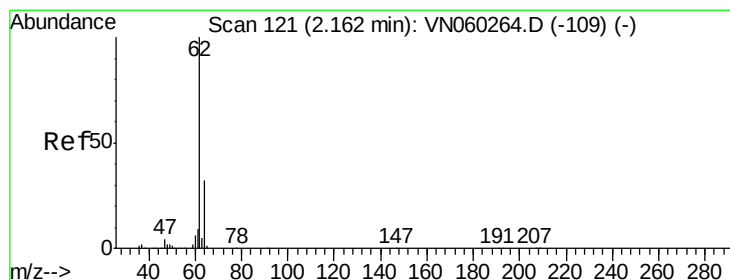
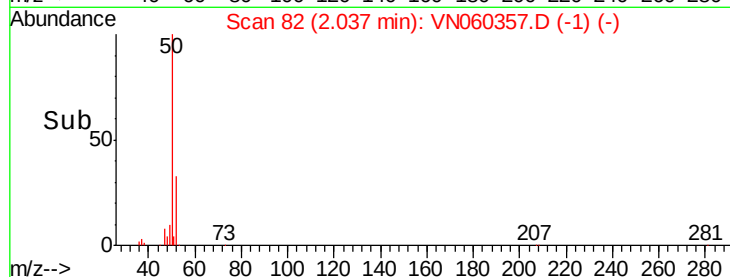
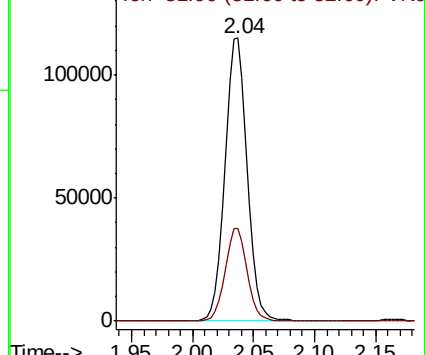
50 100

52 32.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.738 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060357.D

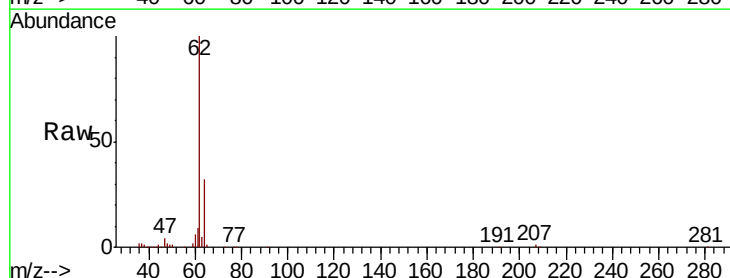
Acq: 5 Mar 2020 10:43

Tgt Ion: 62 Resp: 122085

Ion Ratio Lower Upper

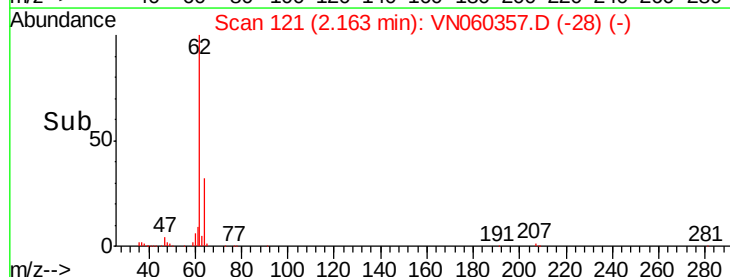
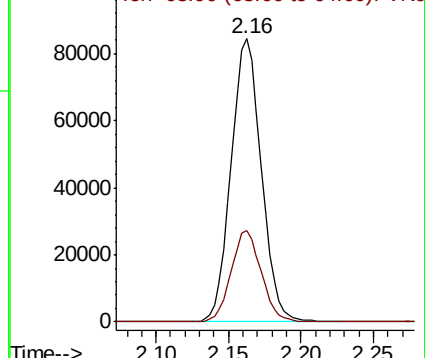
62 100

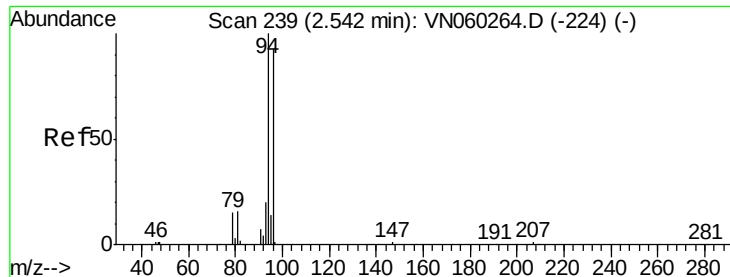
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.258 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

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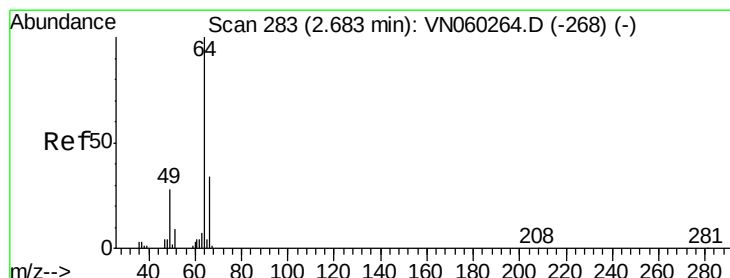
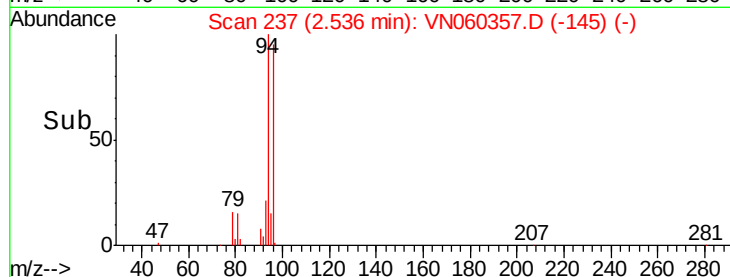
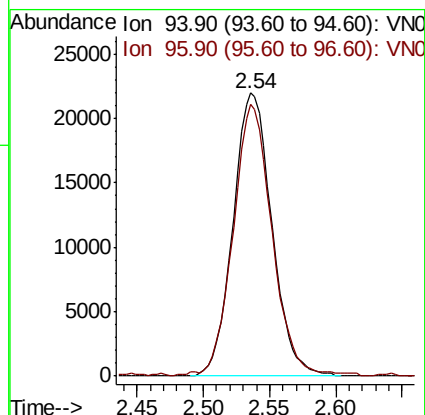
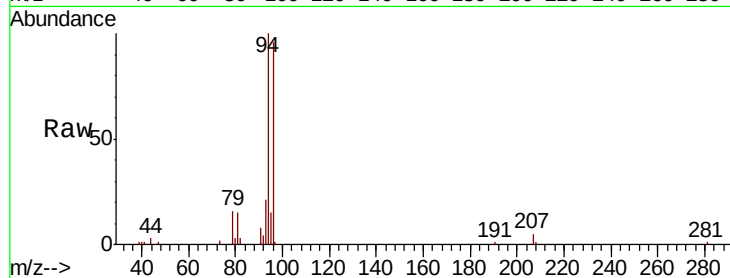
VSTDCCC050

Tot Ion: 94 Resp: 44735

Ion Ratio Lower Upper

94 100

96 94.9 74.3 111.5



#6

Chloroethane

Concen: 45.143 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060357.D

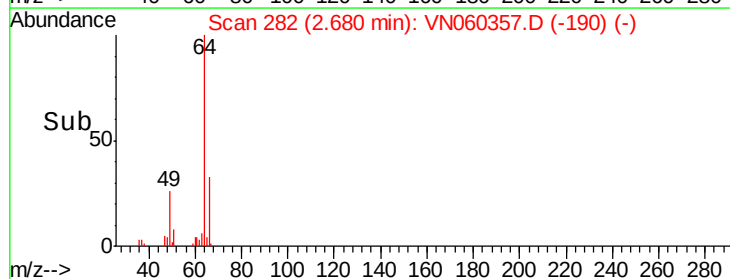
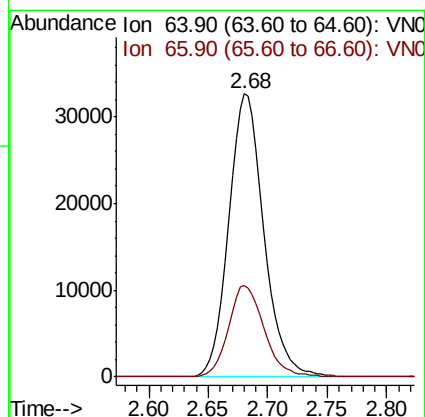
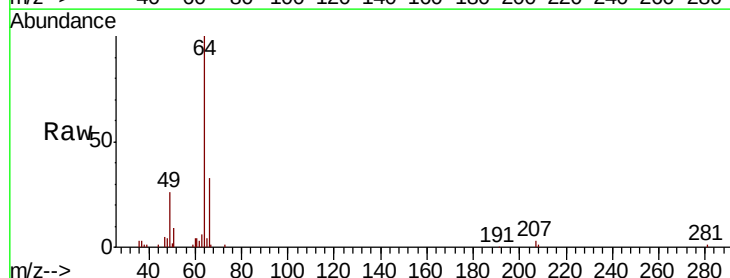
Acq: 5 Mar 2020 10:43

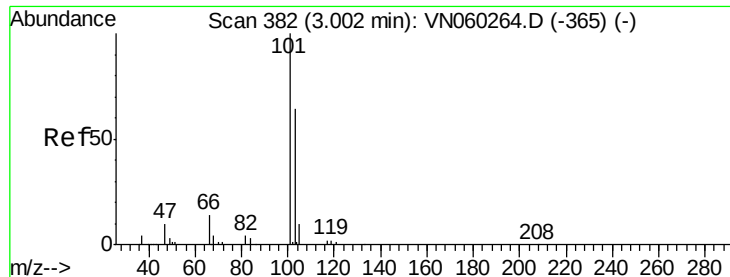
Tgt Ion: 64 Resp: 66746

Ion Ratio Lower Upper

64 100

66 32.5 27.4 41.2



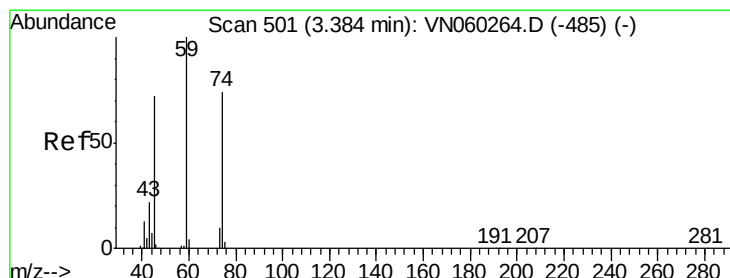
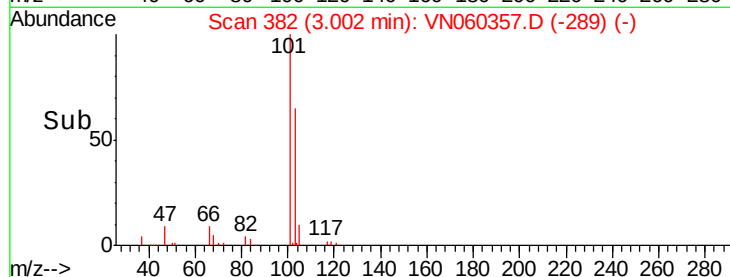
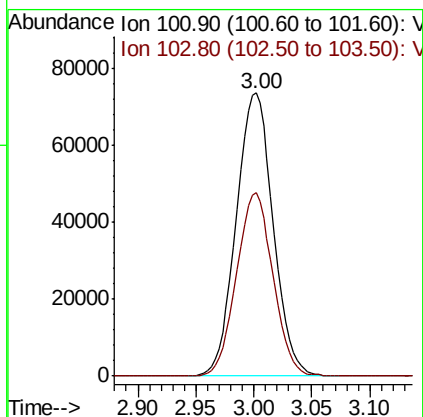
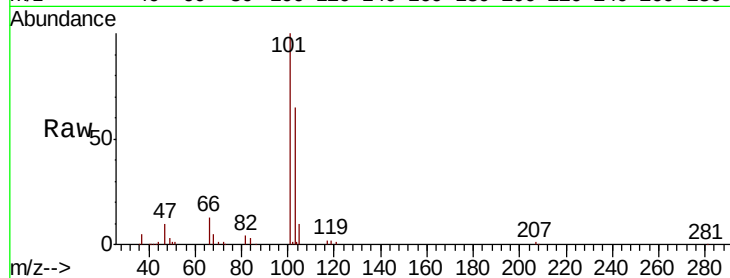


#7

Trichlorofluoromethane
Concen: 46.706 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060357.D
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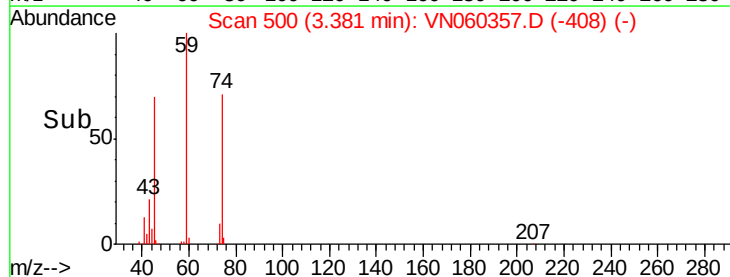
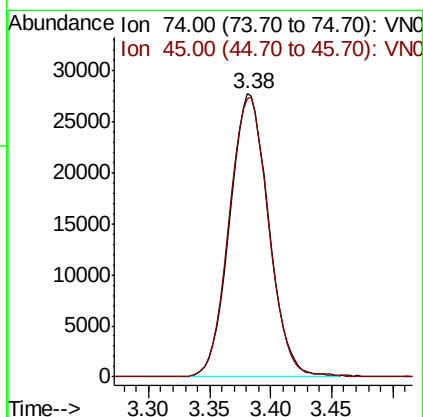
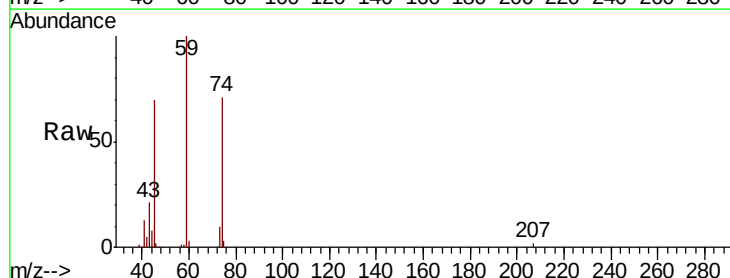
Tot Ion:101 Resp: 162846
Ion Ratio Lower Upper
101 100
103 64.8 51.3 76.9

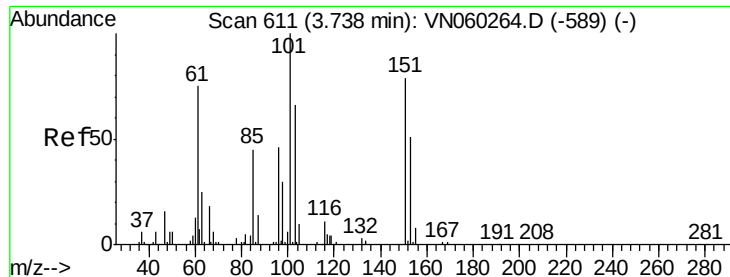


#8

Diethyl Ether
Concen: 46.557 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 74 Resp: 61289
Ion Ratio Lower Upper
74 100
45 100.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.003 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

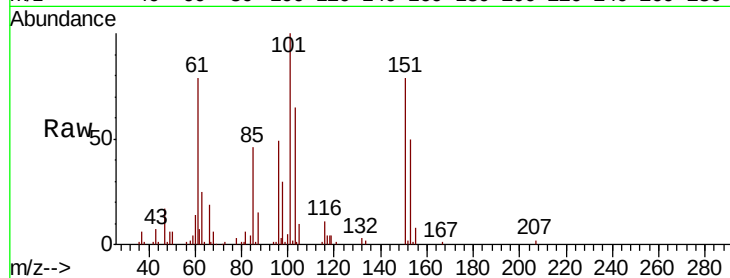
Tot Ion:101 Resp: 94721

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.2

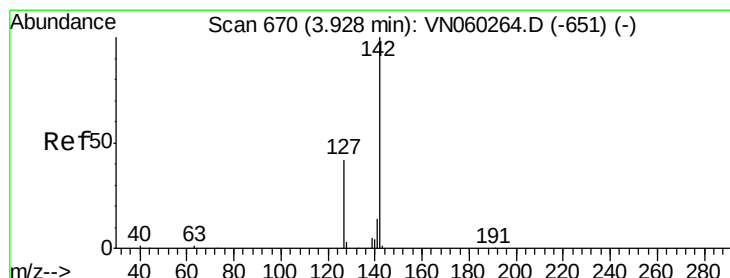
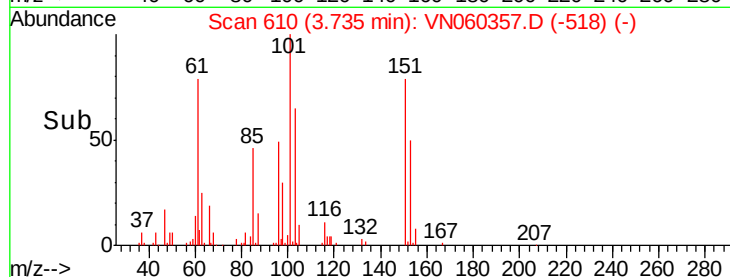
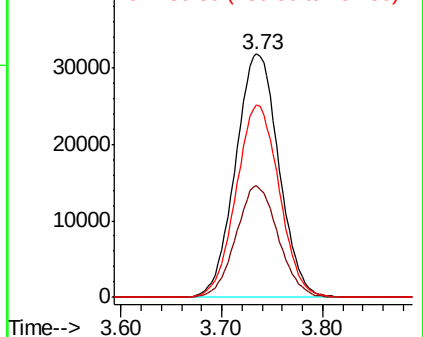
151 78.6 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.786 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

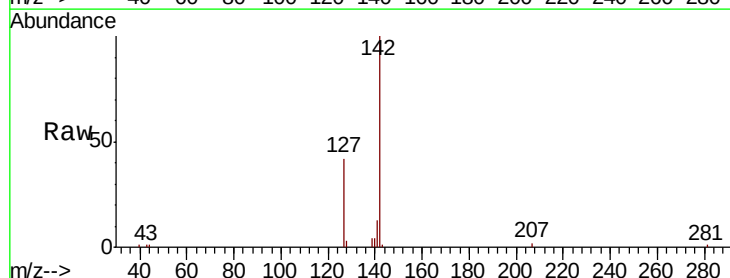
Tgt Ion:142 Resp: 84255

Ion Ratio Lower Upper

142 100

127 42.3 33.8 50.6

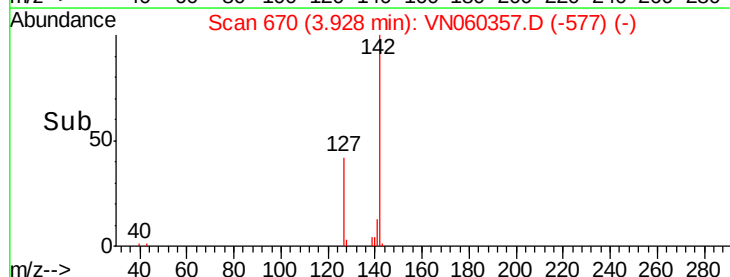
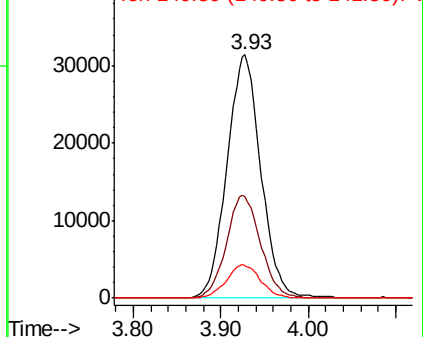
141 13.8 11.1 16.7

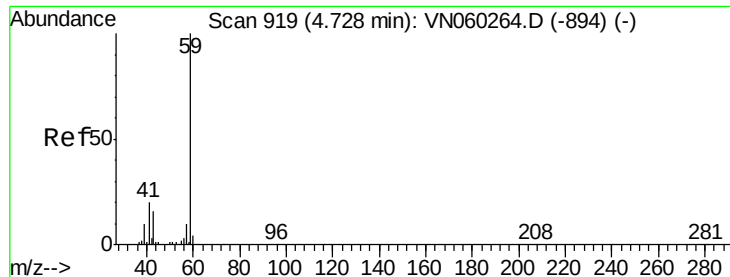


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

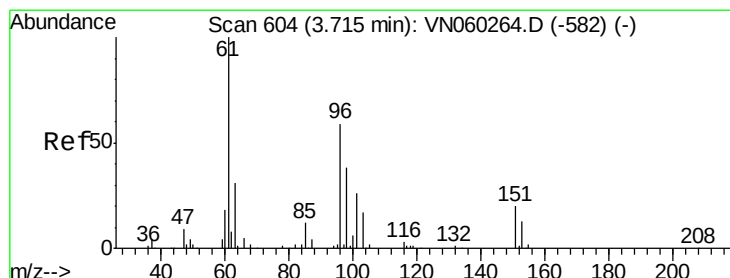
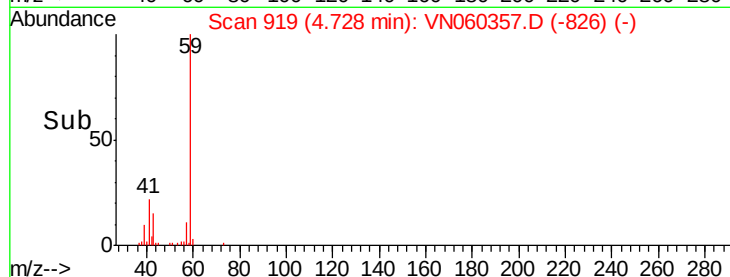
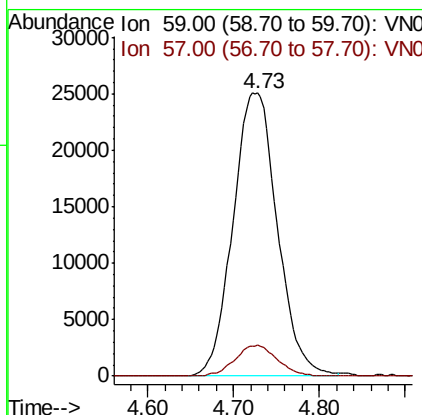
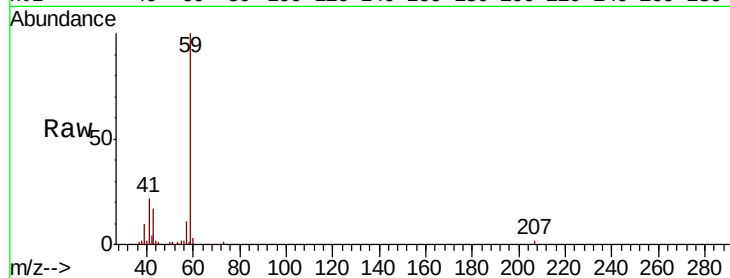




#11
Tert butyl alcohol
Concen: 236.321 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

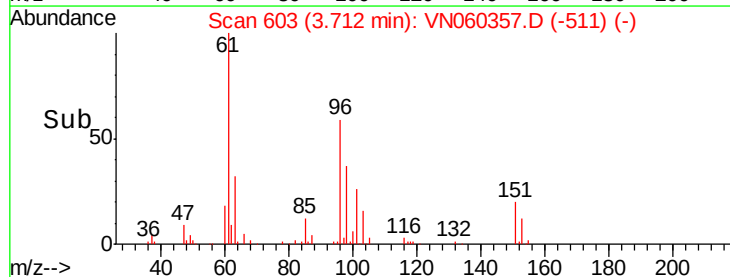
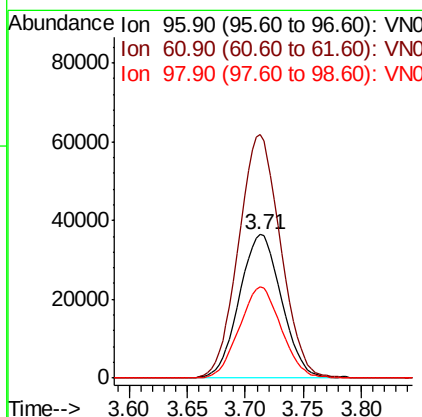
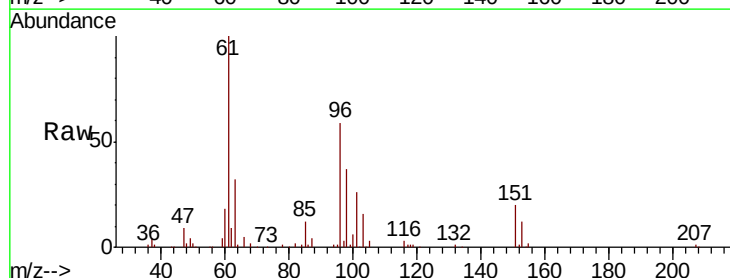
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

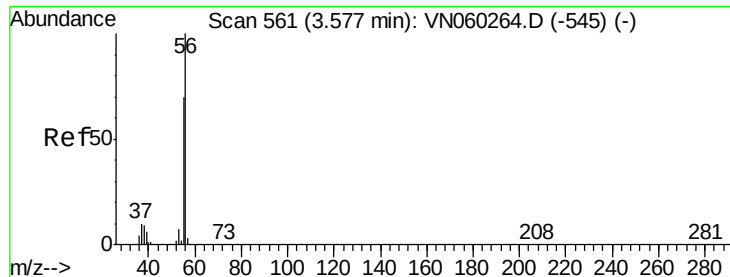
Tot Ion: 59 Resp: 89747
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.280 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 96 Resp: 92465
Ion Ratio Lower Upper
96 100
61 169.4 135.4 203.0
98 63.4 51.6 77.4

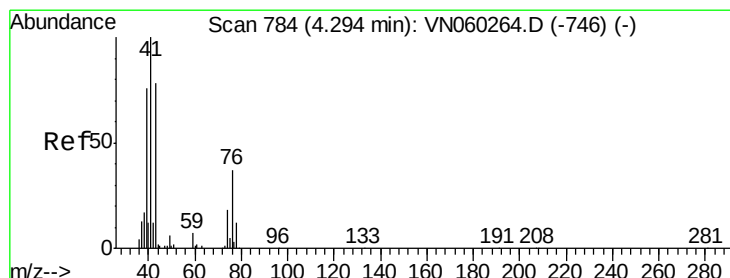
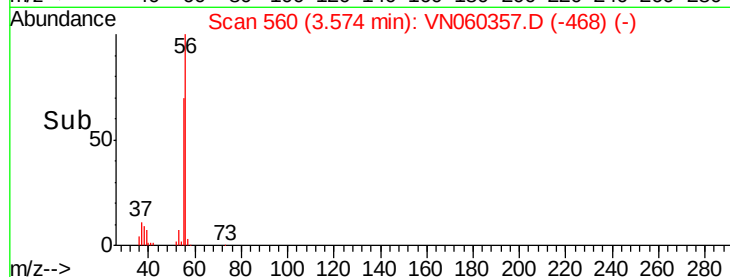
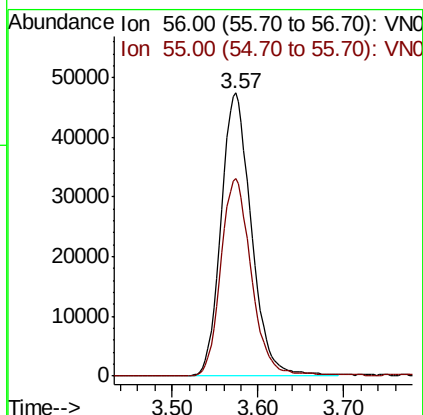
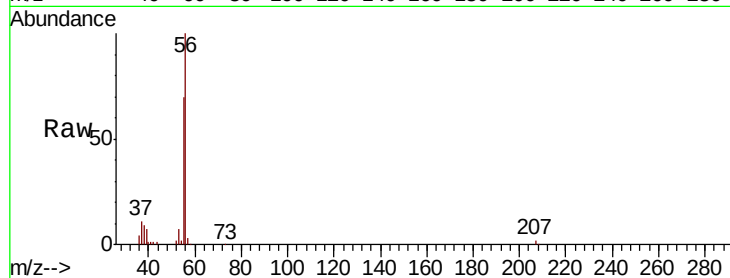




#13
Acrolein
Concen: 328.659 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

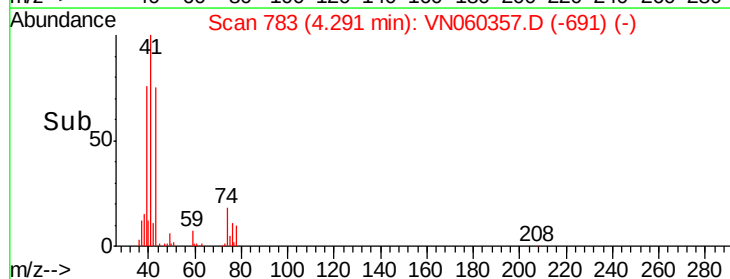
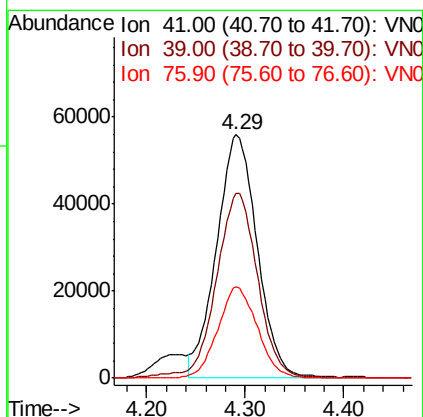
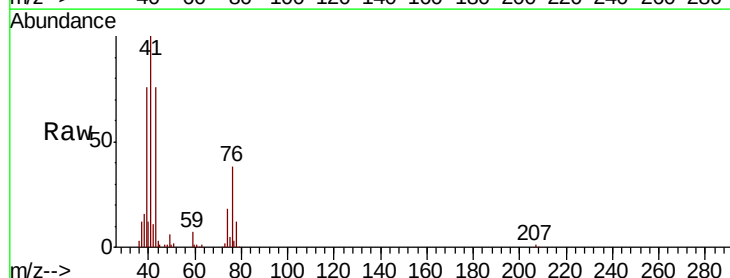
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

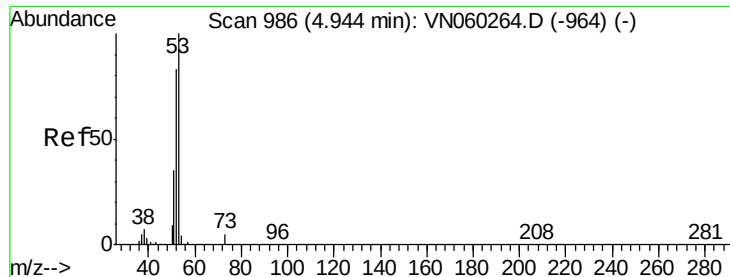
Tot Ion: 56 Resp: 116440
Ion Ratio Lower Upper
56 100
55 69.7 57.4 86.0



#14
Allyl chloride
Concen: 45.246 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 41 Resp: 159768
Ion Ratio Lower Upper
41 100
39 78.1 55.4 83.2
76 36.6 27.0 40.6





#15

Acrylonitrile

Concen: 253.605 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

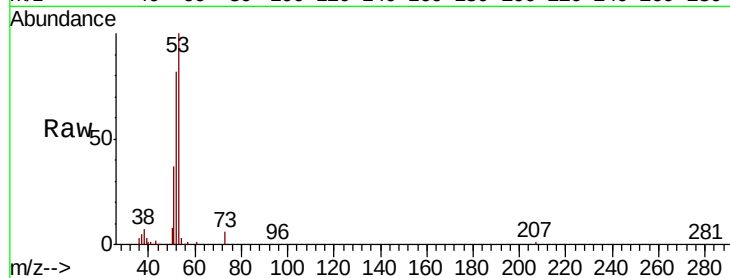
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 253857

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.8	100.2
51	37.3	29.0	43.6

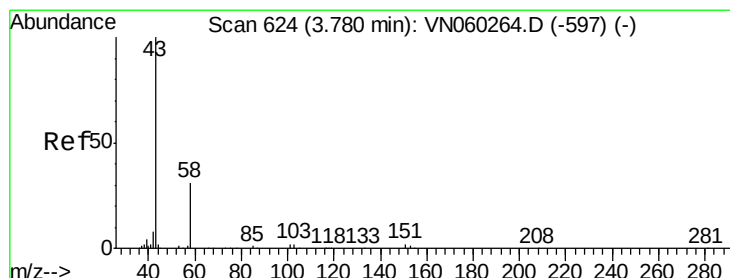
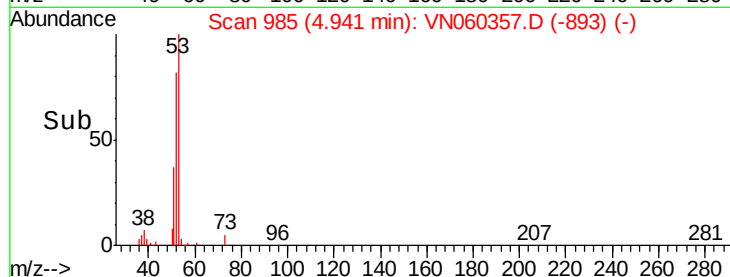
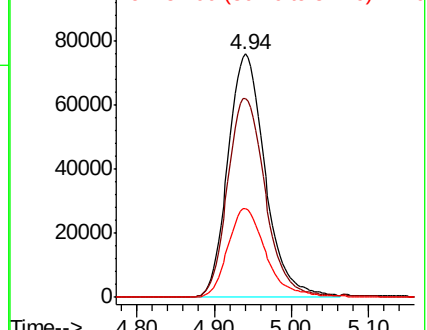


Abundance

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: 249.948 ug/l

RT: 3.78 min Scan# 623

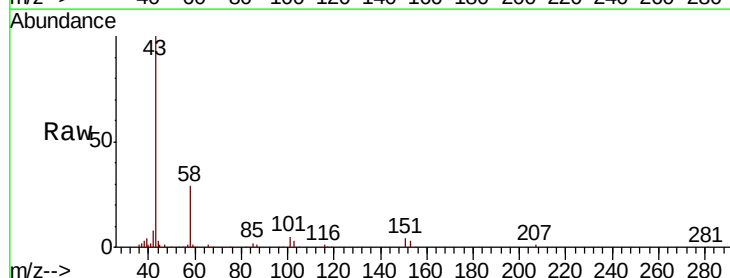
Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion: 43 Resp: 206437

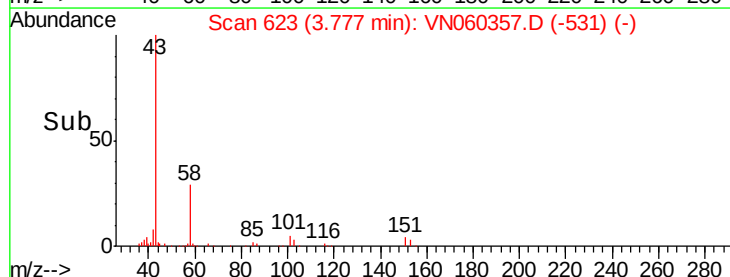
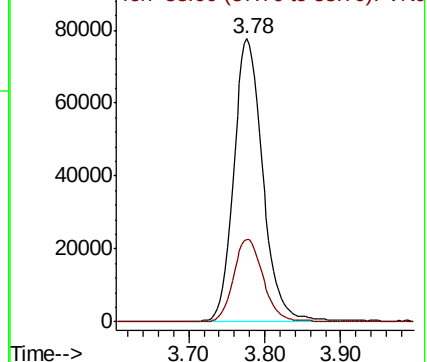
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.6	36.8

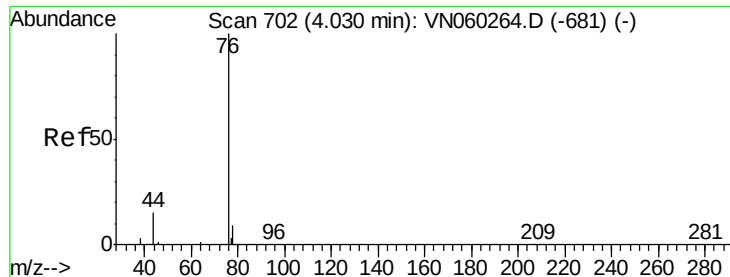


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.963 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

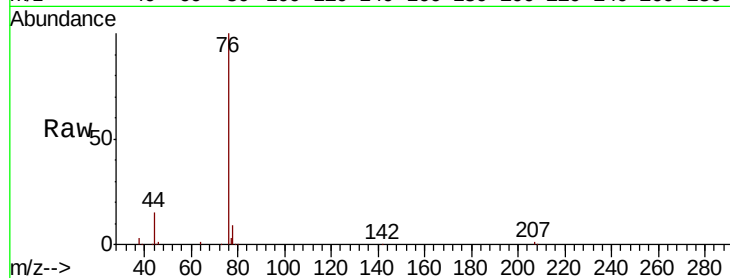
VSTDCCC050

Tot Ion: 76 Resp: 238890

Ion Ratio Lower Upper

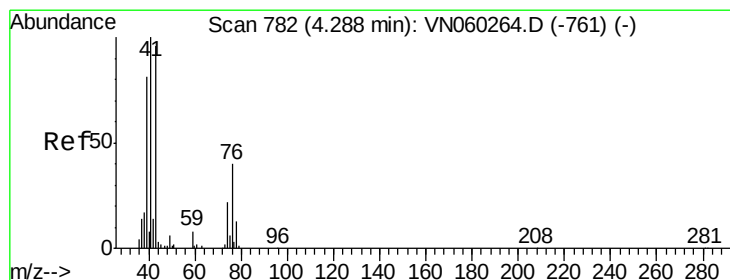
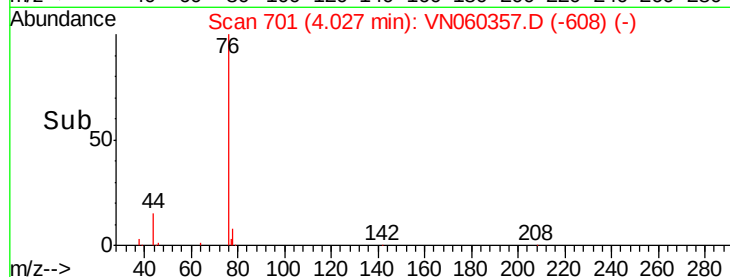
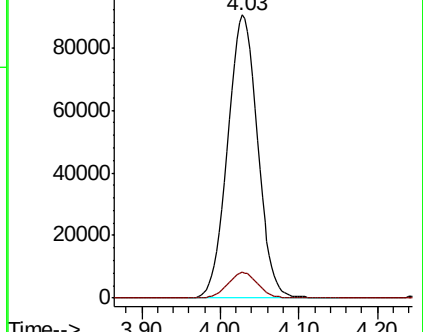
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.813 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060357.D

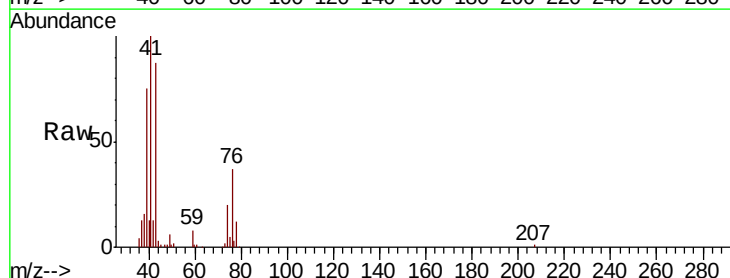
Acq: 5 Mar 2020 10:43

Tgt Ion: 43 Resp: 131784

Ion Ratio Lower Upper

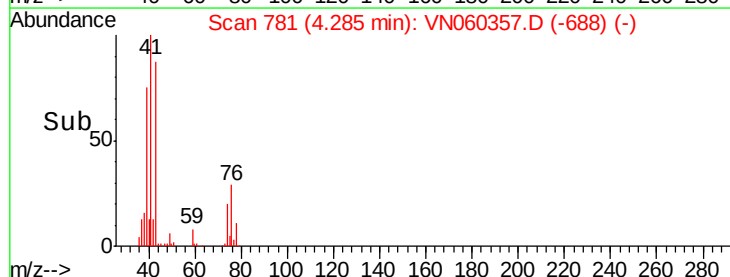
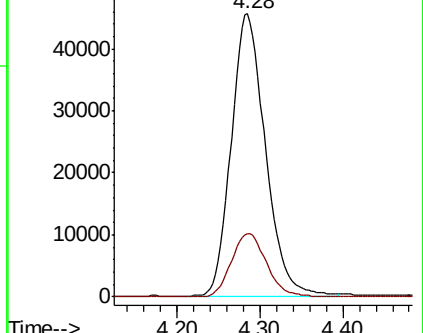
43 100

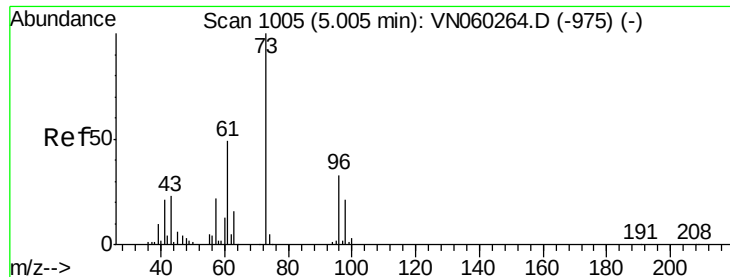
74 22.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

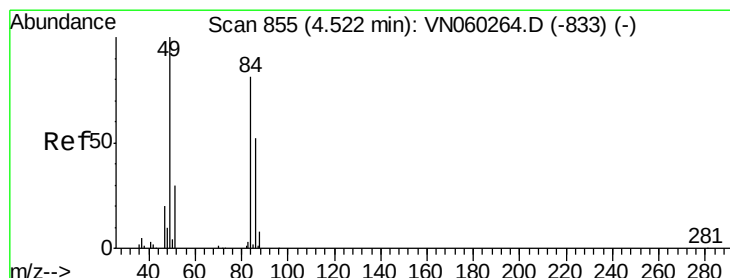
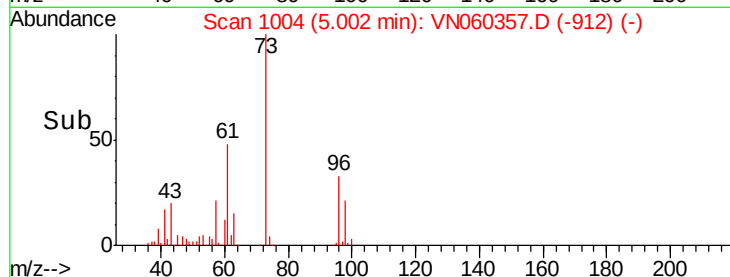
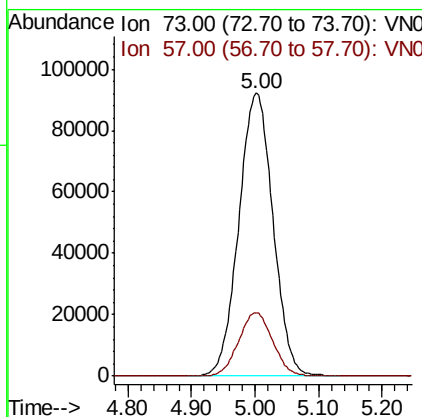
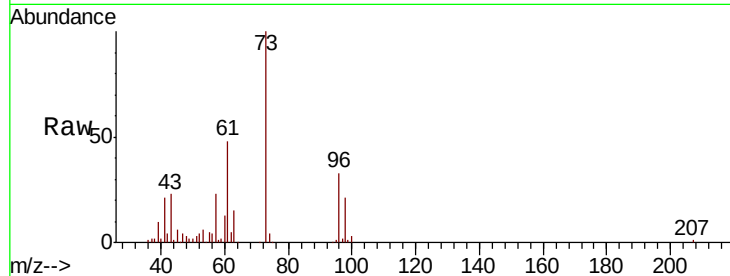




#19
Methyl tert-butyl Ether
Concen: 49.558 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

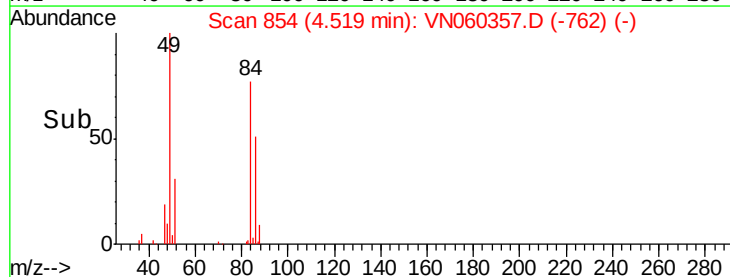
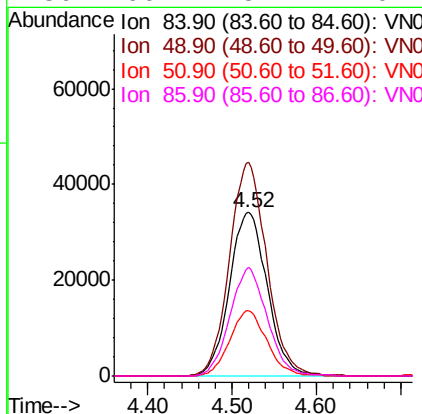
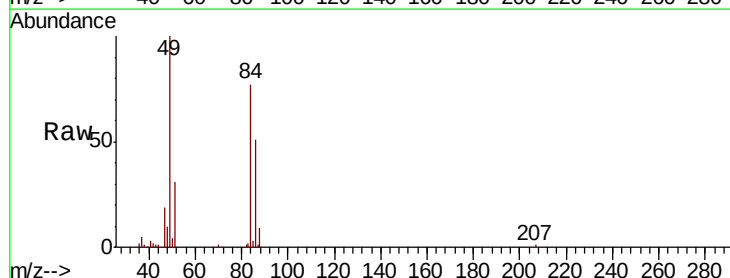
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

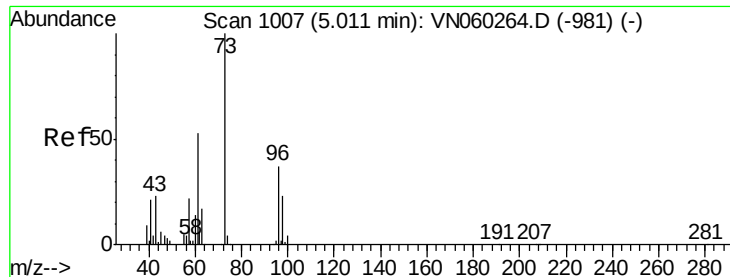
Tot Ion: 73 Resp: 344587
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 47.073 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 84 Resp: 106773
Ion Ratio Lower Upper
84 100
49 130.4 99.3 148.9
51 39.9 30.1 45.1
86 66.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.438 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

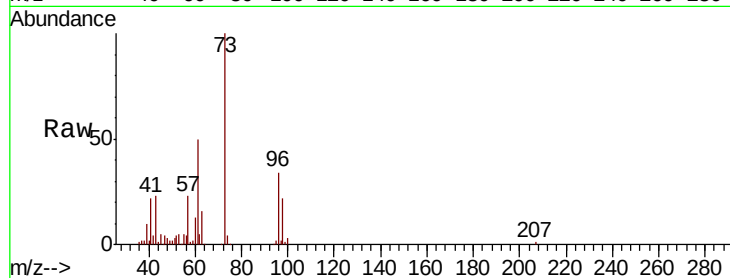
Tot Ion: 96 Resp: 99694

Ion Ratio Lower Upper

96 100

61 146.9 113.8 170.8

98 63.1 48.8 73.2

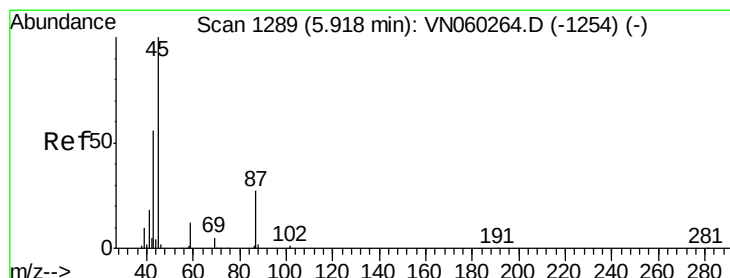
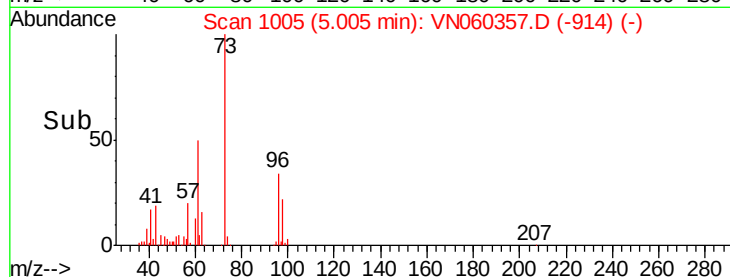
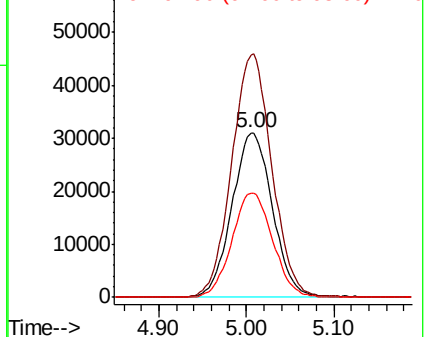


Abundance

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: 51.668 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion: 45 Resp: 369558

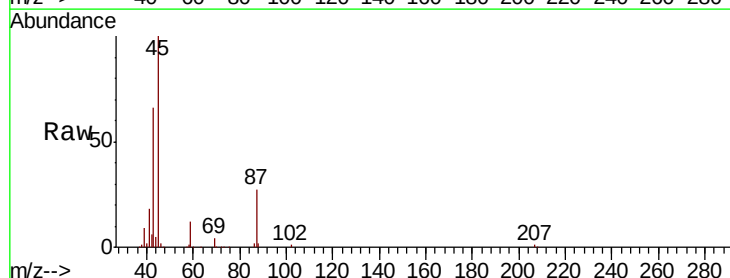
Ion Ratio Lower Upper

45 100

43 64.4 48.6 72.8

87 26.6 22.2 33.2

59 12.0 9.5 14.3



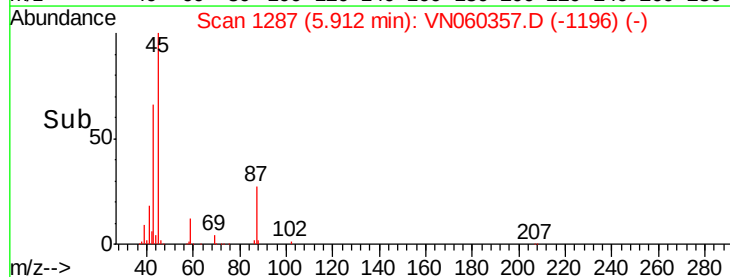
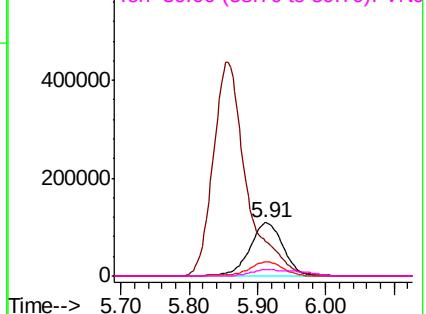
Abundance

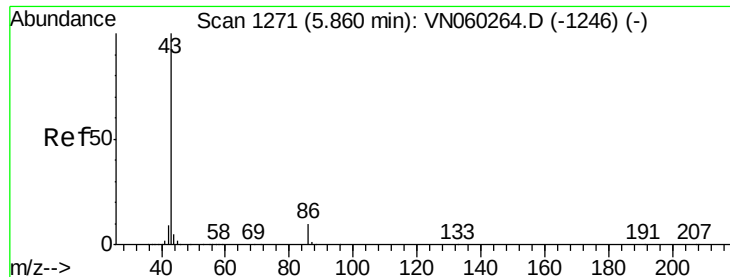
Ion 45.00 (44.70 to 45.70): VN0

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: 260.273 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

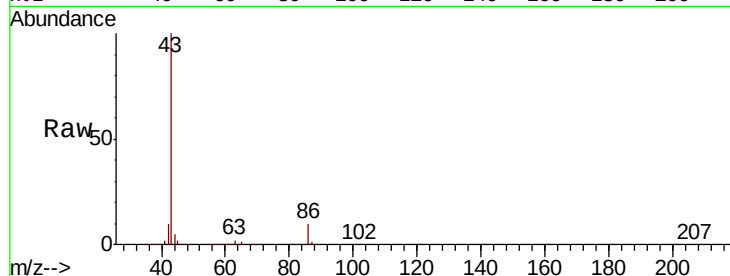
VSTDCCC050

Tot Ion: 43 Resp: 1479290

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

400000

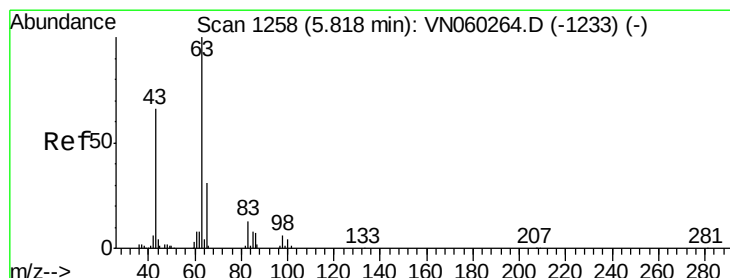
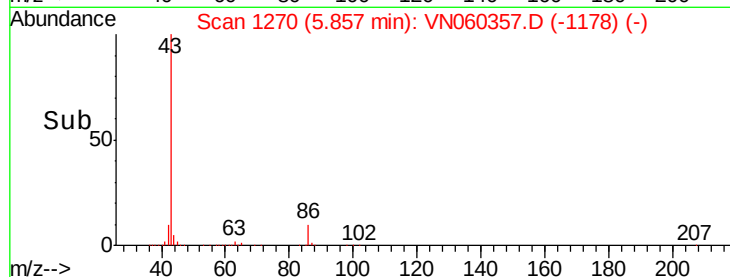
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.104 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

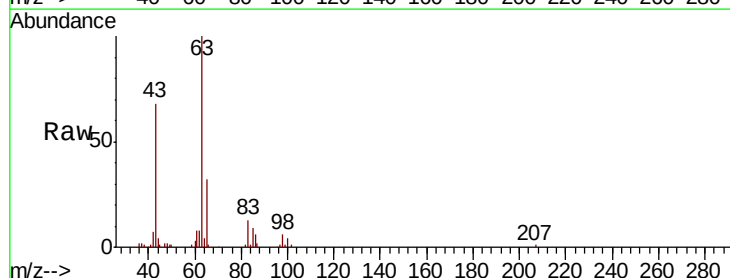
Tgt Ion: 63 Resp: 202861

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

5.82

80000

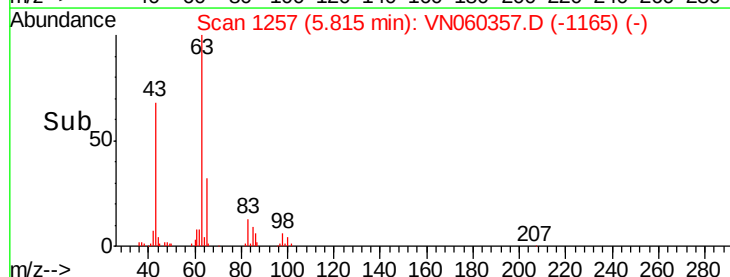
60000

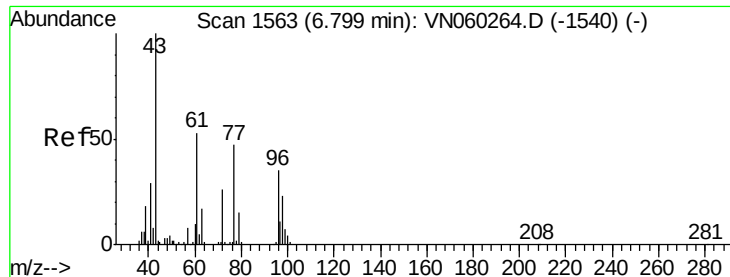
40000

20000

0

Time-->





#25

2-Butanone

Concen: 258.220 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

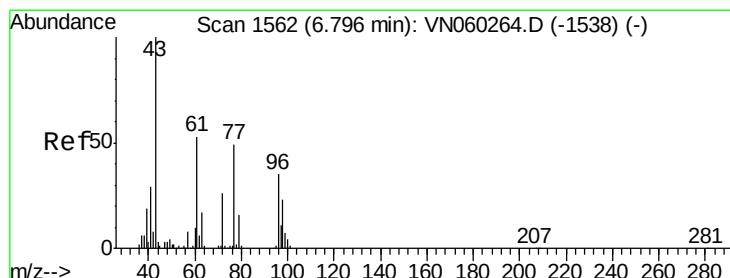
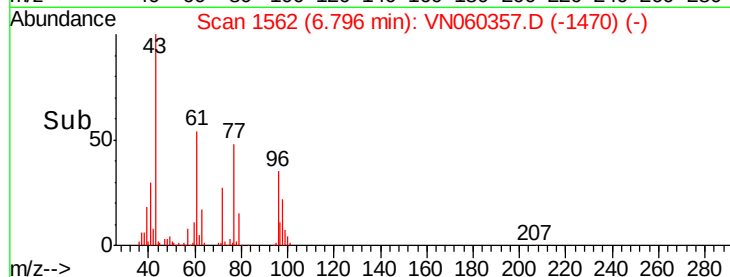
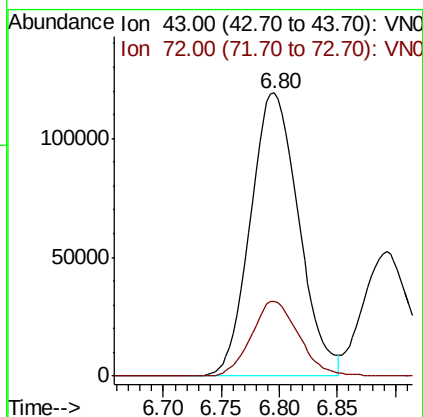
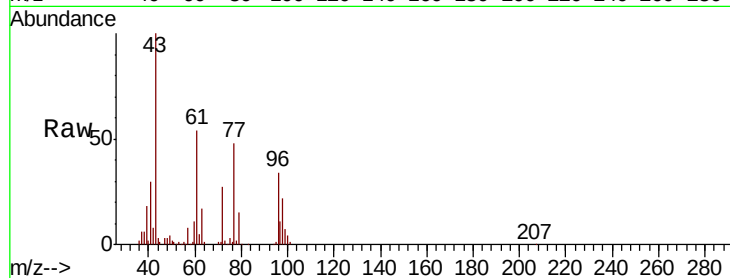
VSTDCCC050

Tot Ion: 43 Resp: 344480

Ion Ratio Lower Upper

43 100

72 26.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.998 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060357.D

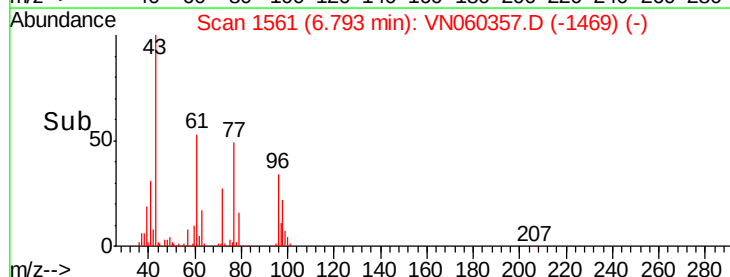
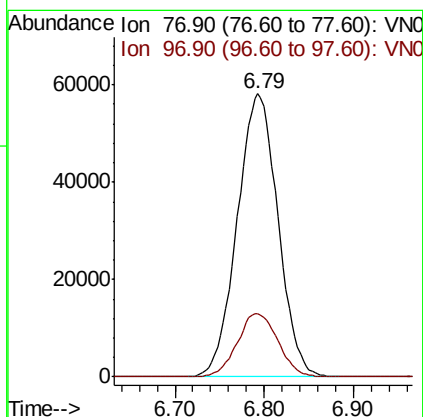
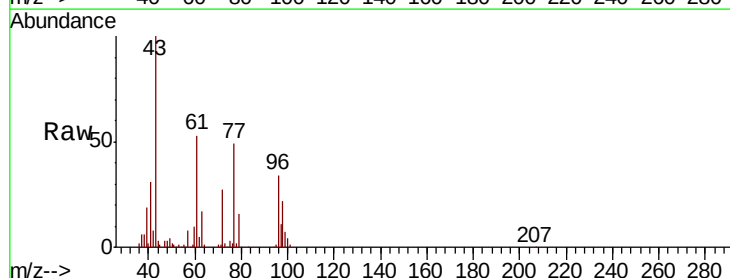
Acq: 5 Mar 2020 10:43

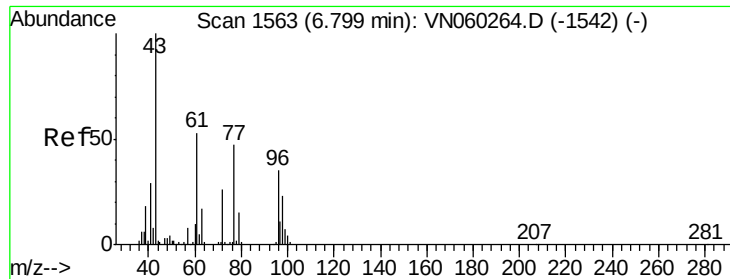
Tgt Ion: 77 Resp: 184290

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6

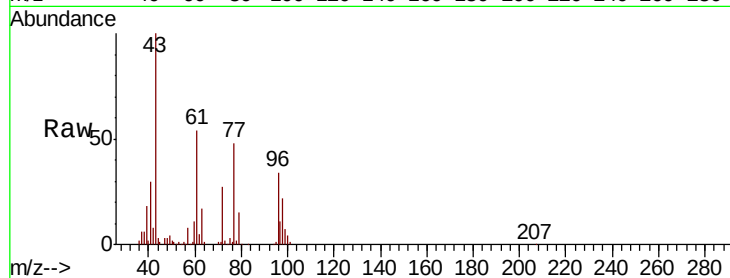




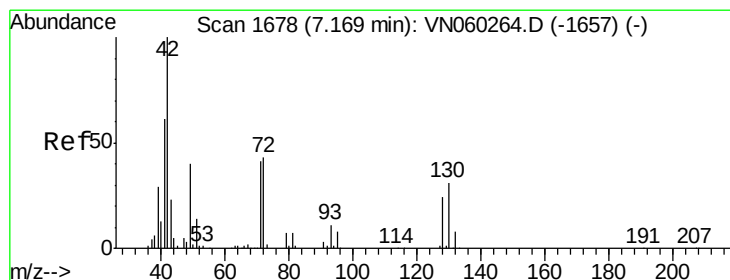
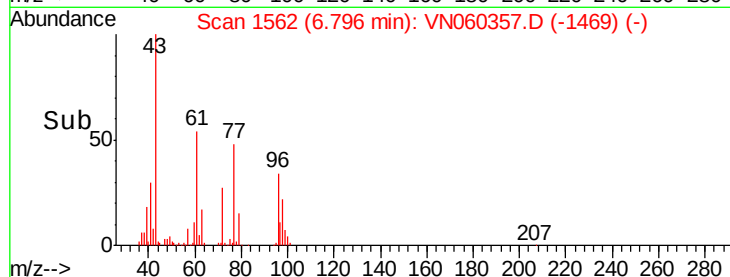
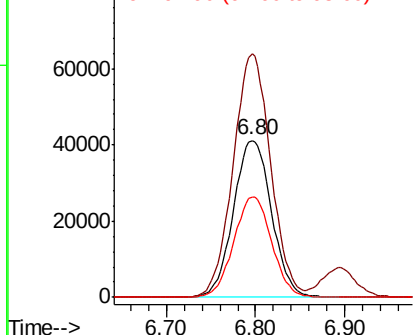
#27
 cis-1,2-Dichloroethene
 Concen: 46.563 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 122466
 Ion Ratio Lower Upper
 96 100
 61 153.0 0.0 300.8
 98 63.6 0.0 128.2

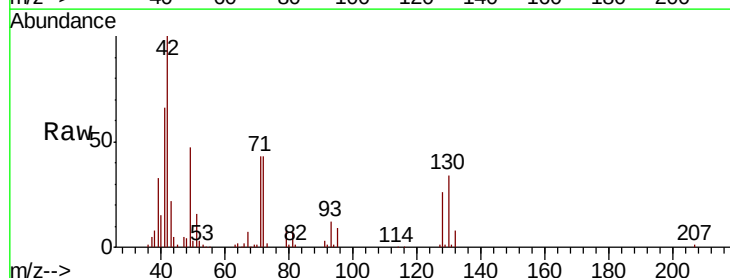


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

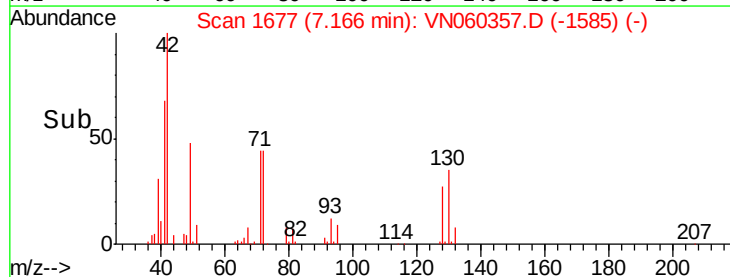
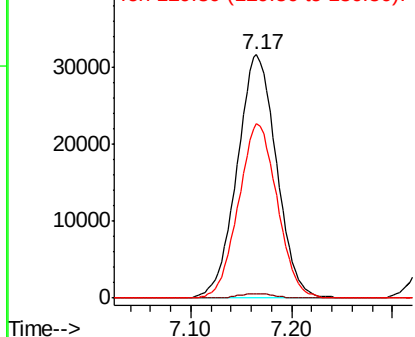


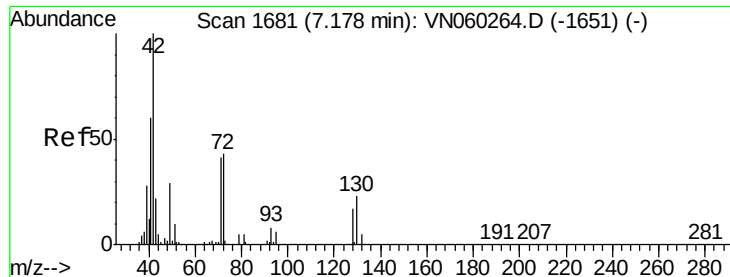
#28
 Bromochloromethane
 Concen: 51.574 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion: 49 Resp: 85733
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.8
 130 70.3 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 249.371 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

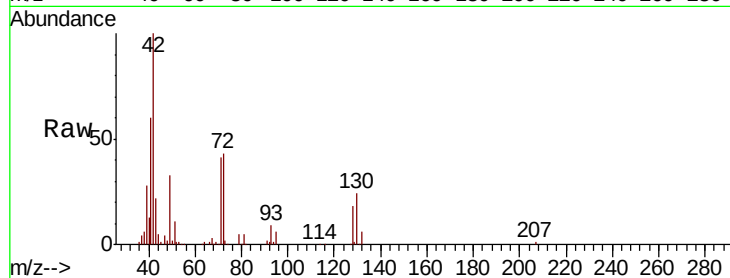
Tot Ion: 42 Resp: 231335

Ion Ratio Lower Upper

42 100

72 42.7 34.6 52.0

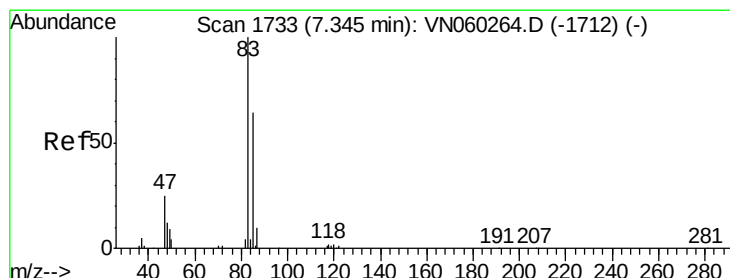
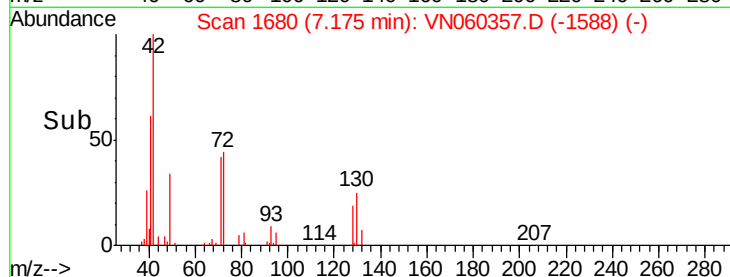
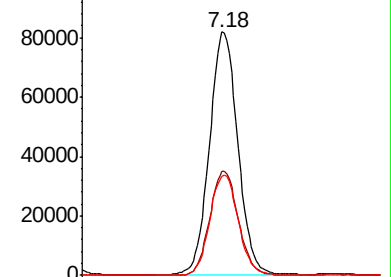
71 41.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



#30

Chloroform

Concen: 50.263 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060357.D

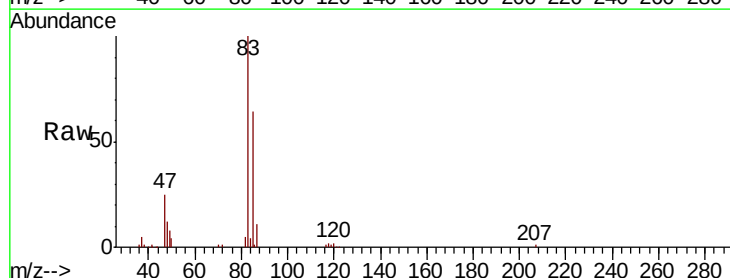
Acq: 5 Mar 2020 10:43

Tgt Ion: 83 Resp: 202584

Ion Ratio Lower Upper

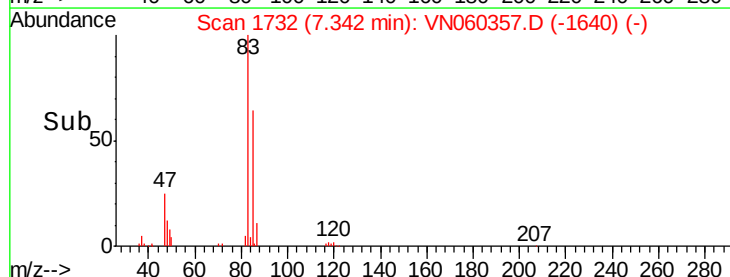
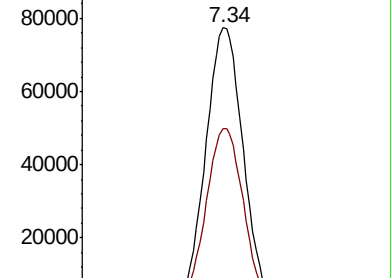
83 100

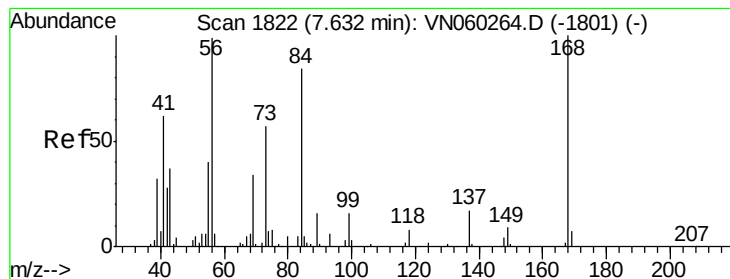
85 64.3 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060264.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN060264.D (-1712) (-)





#31

Cyclohexane

Concen: 51.511 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

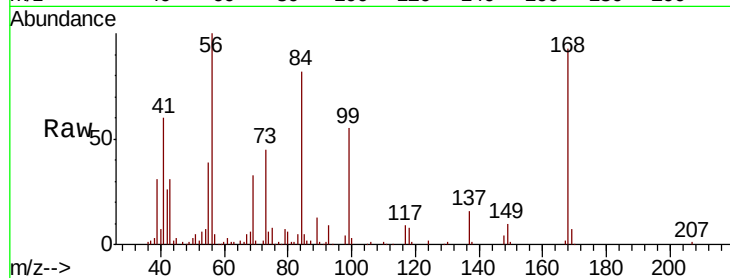
Tot Ion: 56 Resp: 177833

Ion Ratio Lower Upper

56 100

69 32.8 27.2 40.8

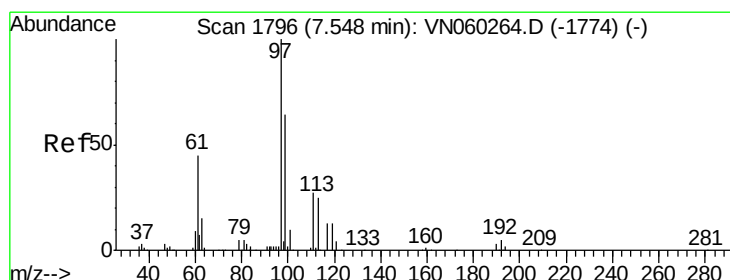
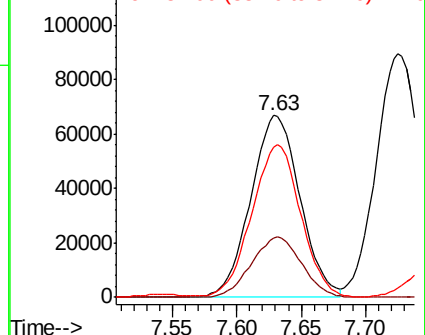
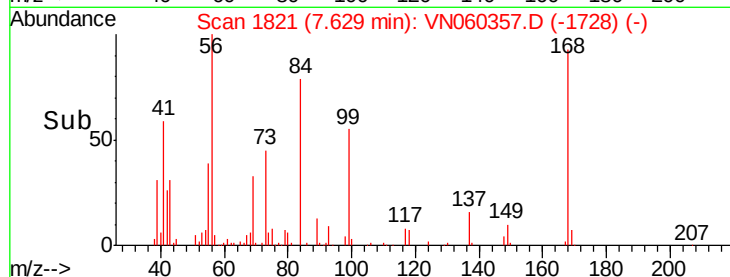
84 81.4 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060357.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060357.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060357.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 50.000 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

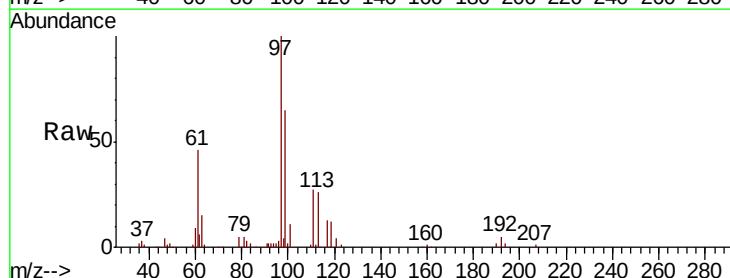
Tgt Ion: 97 Resp: 178553

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

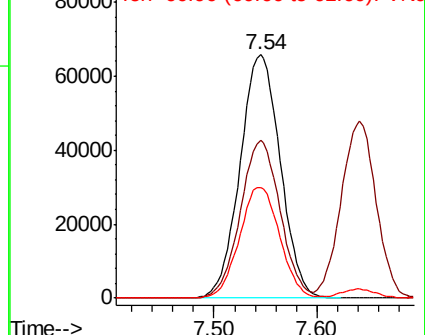
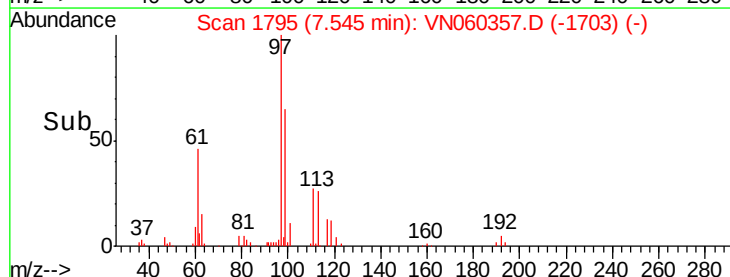
61 45.5 36.6 55.0

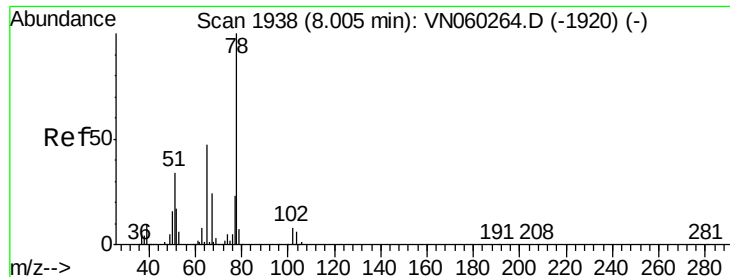


Abundance Ion 96.90 (96.60 to 97.60): VN060357.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060357.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060357.D (-1703) (-)

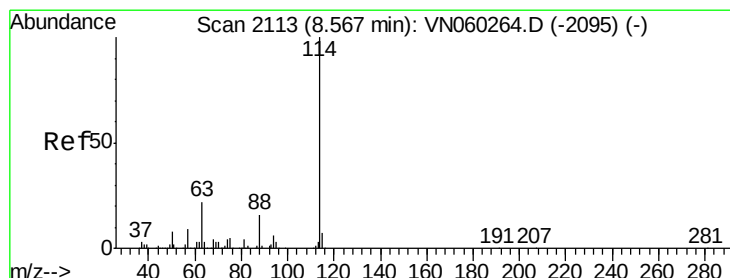
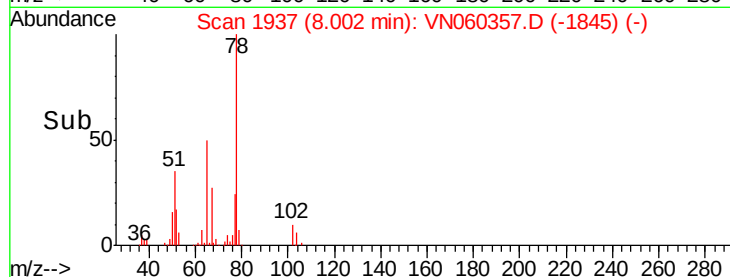
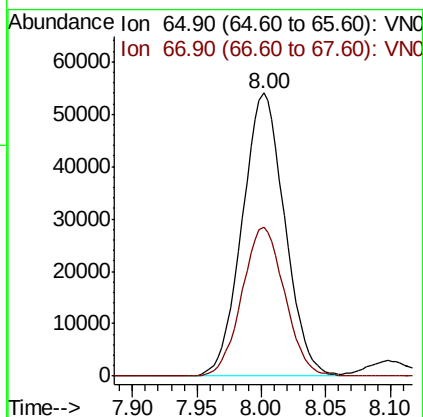
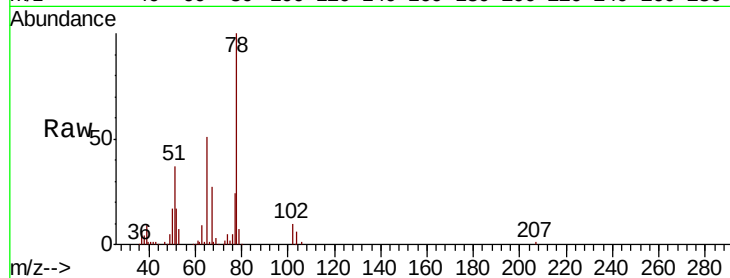




#33
 1,2-Dichloroethane-d4
 Concen: 48.601 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

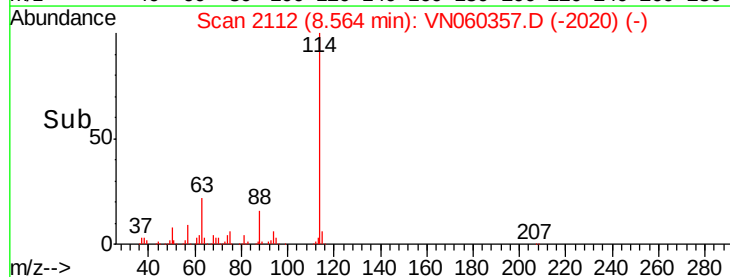
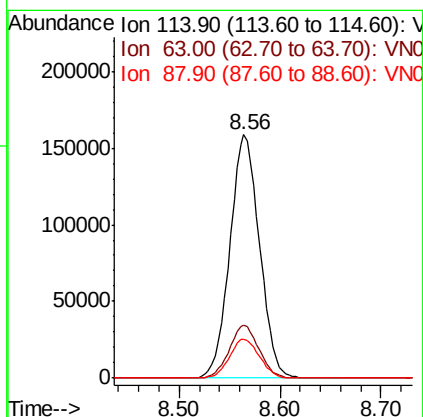
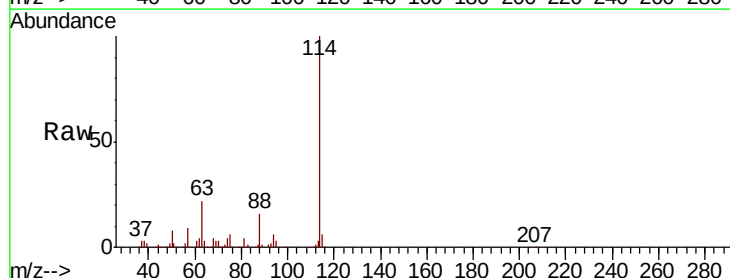
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

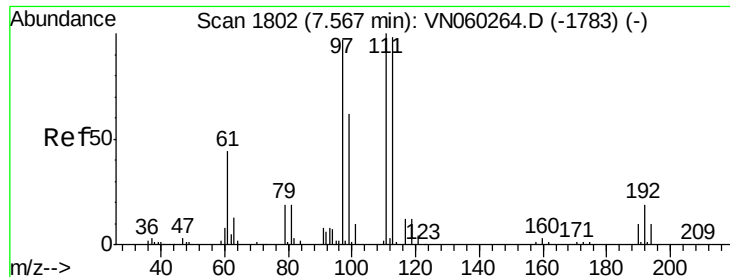
Tot Ion: 65 Resp: 124301
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion: 114 Resp: 323749
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.0 0.0 31.6

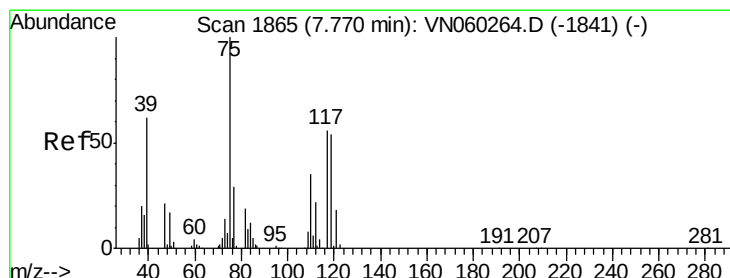
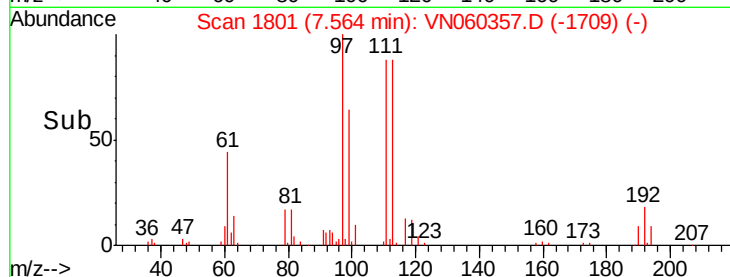
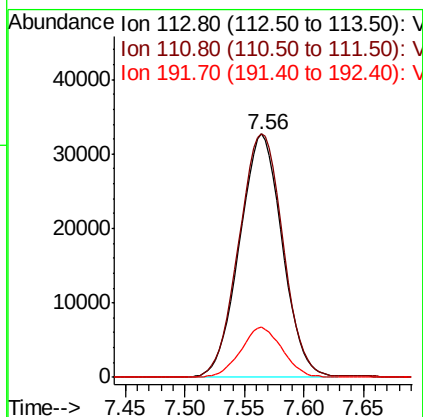
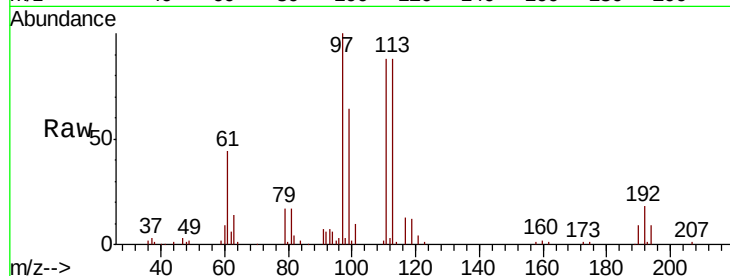




#35
 Dibromofluoromethane
 Concen: 54.161 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

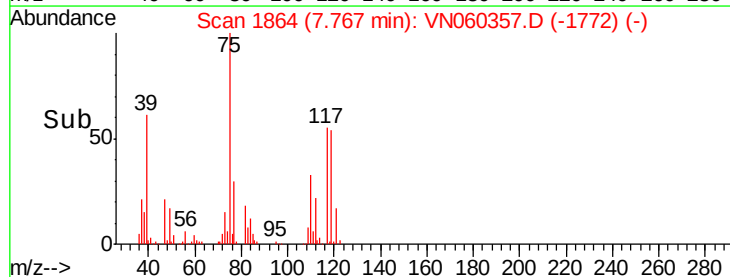
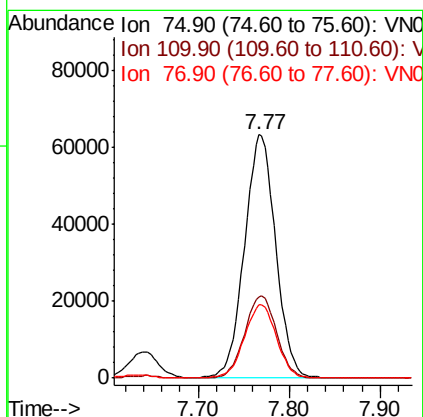
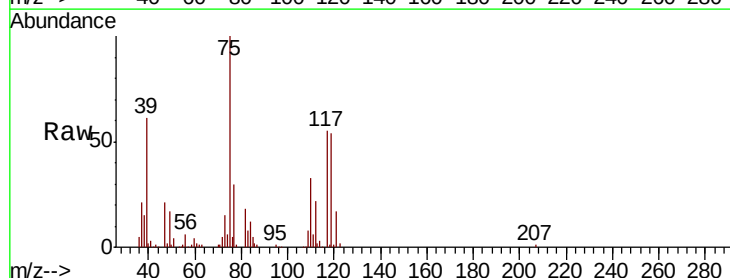
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

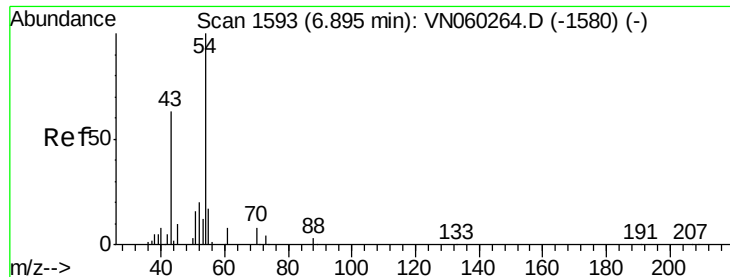
Tot Ion:113 Resp: 81389
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 48.895 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion: 75 Resp: 150865
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.3 52.0
 77 31.1 24.2 36.2

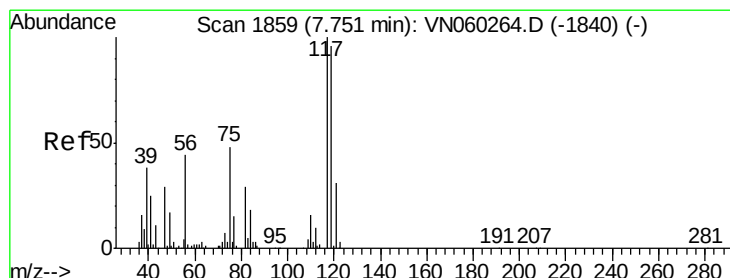
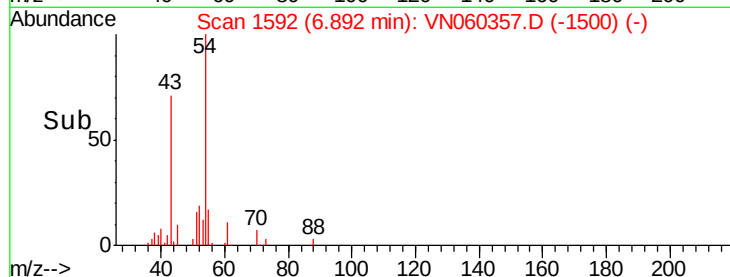
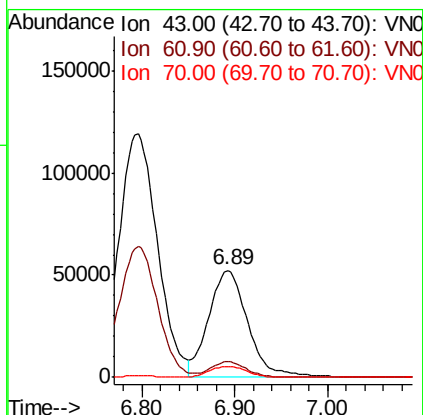
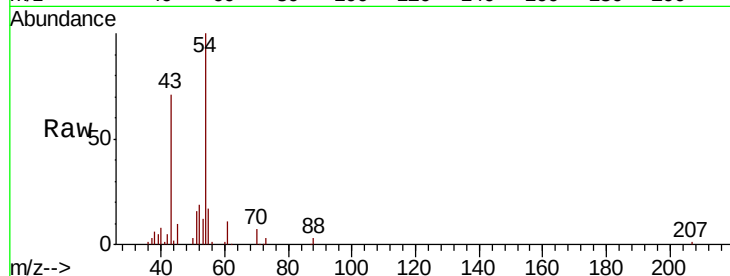




#37
Ethyl Acetate
Concen: 51.471 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

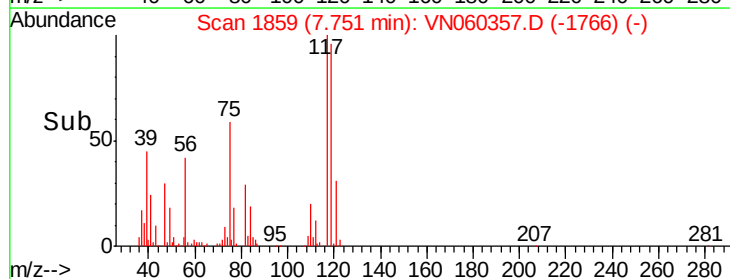
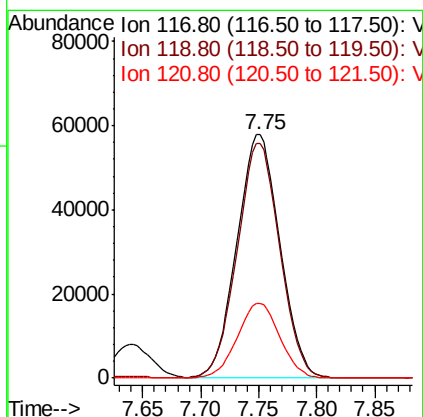
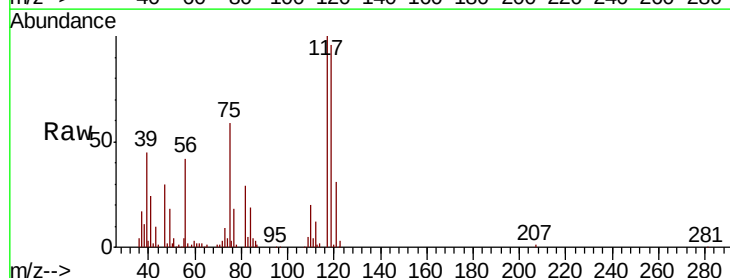
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

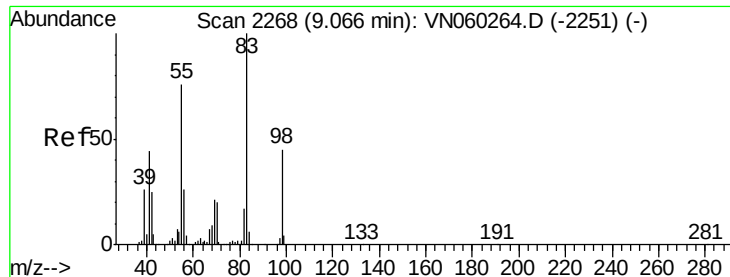
Tot Ion: 43 Resp: 150376
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.684 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 117 Resp: 149254
Ion Ratio Lower Upper
117 100
119 96.5 76.7 115.1
121 30.7 24.5 36.7

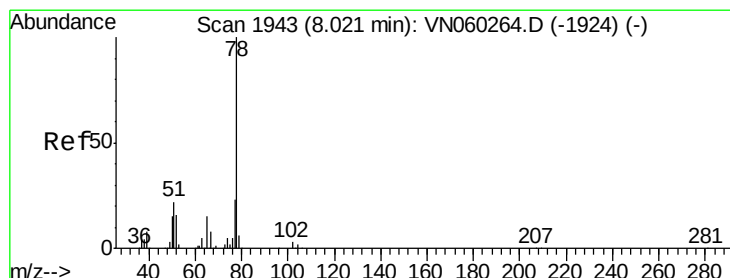
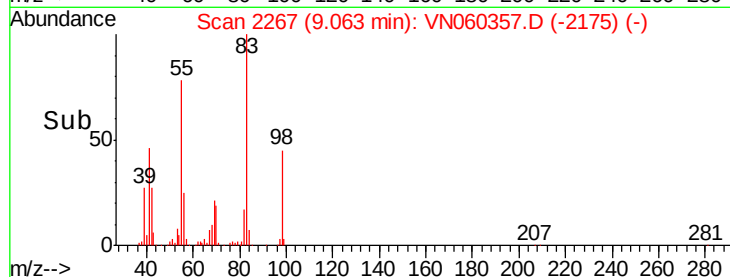
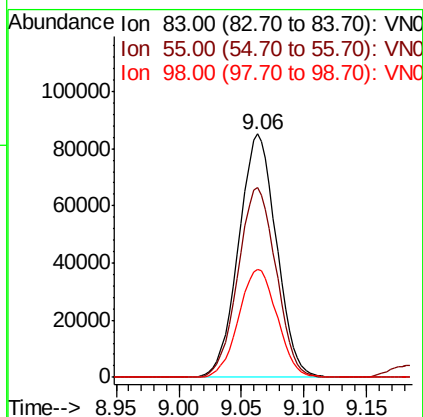
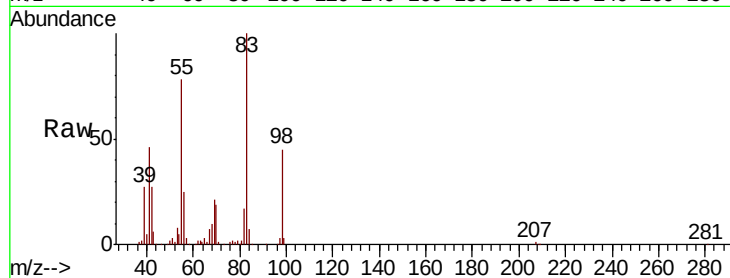




#39
Methylvlcyclohexane
Concen: 49.039 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

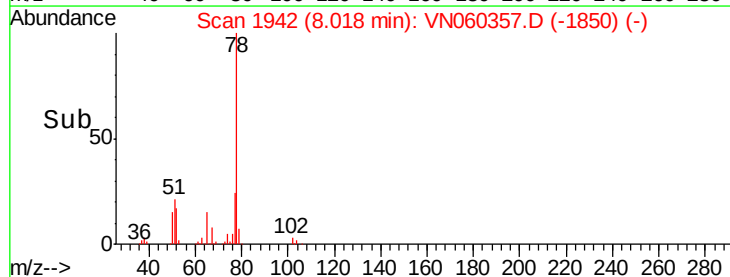
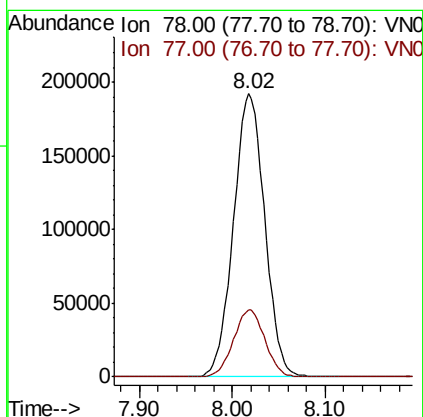
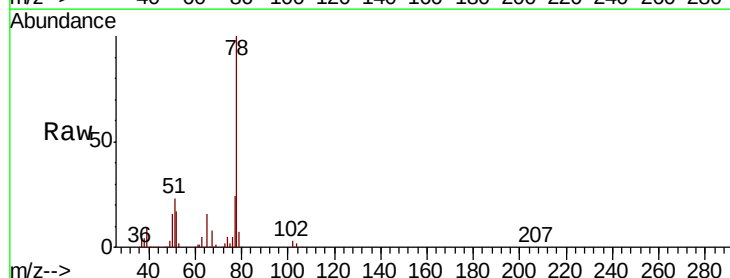
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

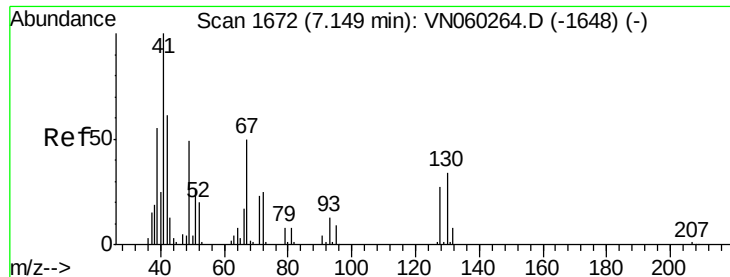
Tot Ion: 83 Resp: 178402
Ion Ratio Lower Upper
83 100
55 77.9 61.0 91.4
98 44.6 36.1 54.1



#40
Benzene
Concen: 50.030 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 78 Resp: 449295
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

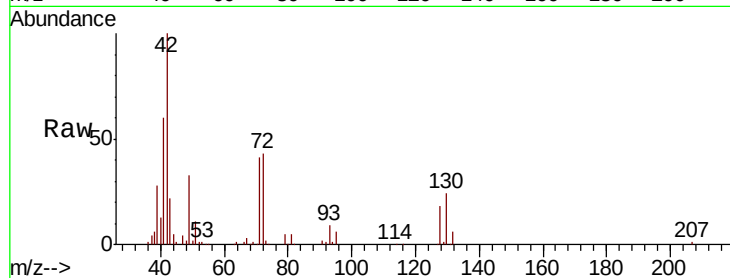




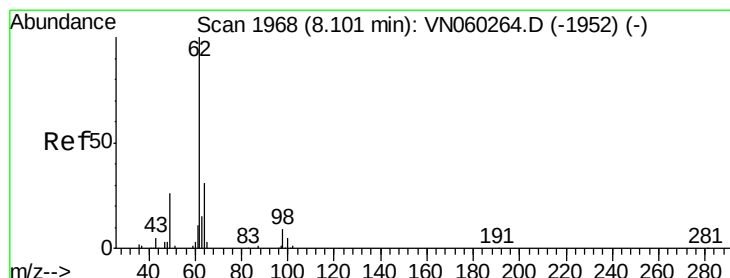
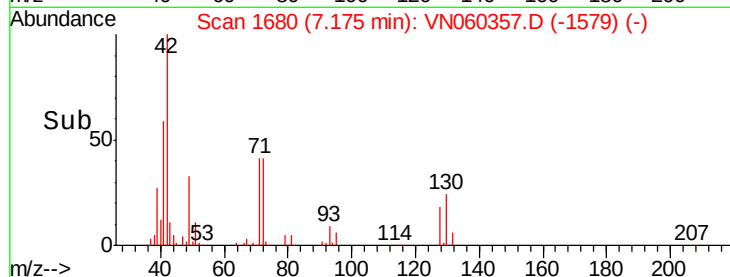
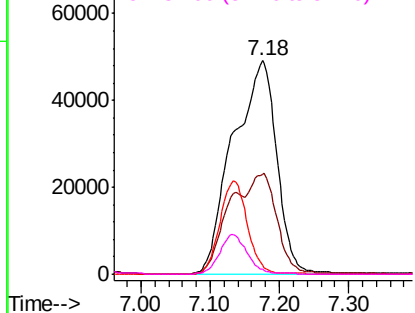
#41
Methacrylonitrile
Concen: 159.334 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	214941
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

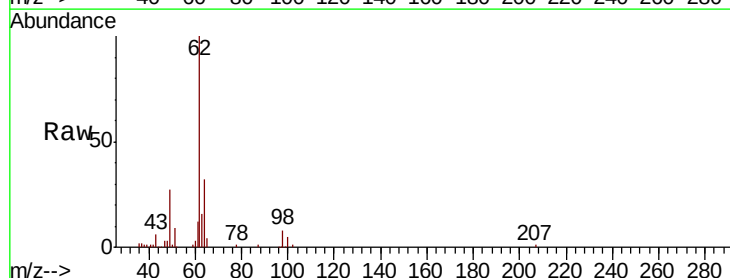


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

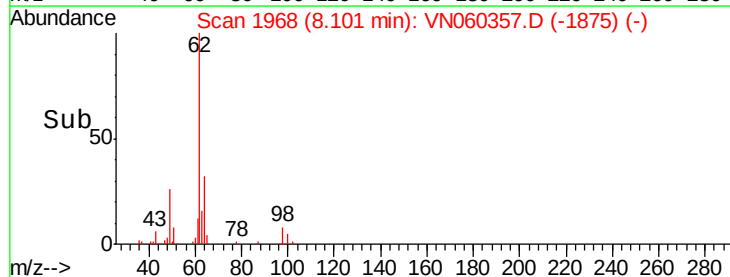
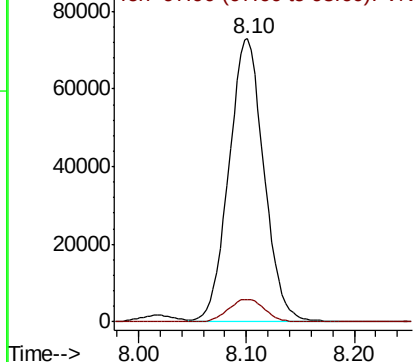


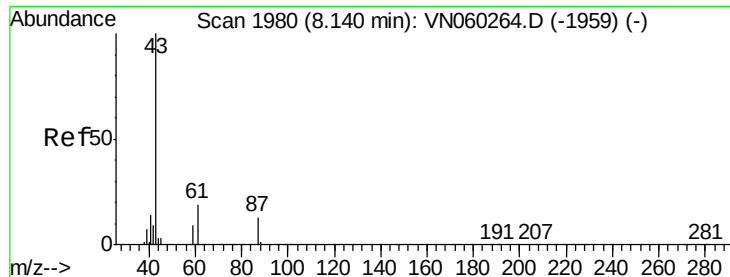
#42
1,2-Dichloroethane
Concen: 50.776 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion:	62	Resp:	164550
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.690 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

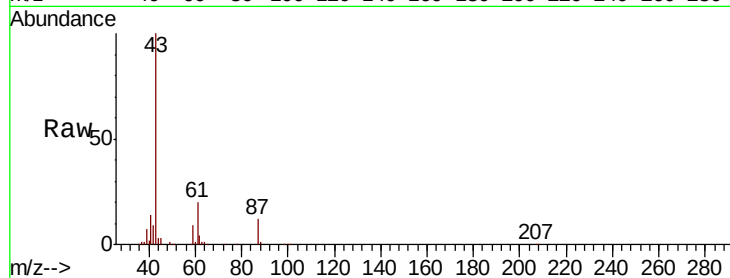
Tot Ion: 43 Resp: 264380

Ion Ratio Lower Upper

43 100

61 26.1 20.9 31.3

87 12.4 10.6 16.0

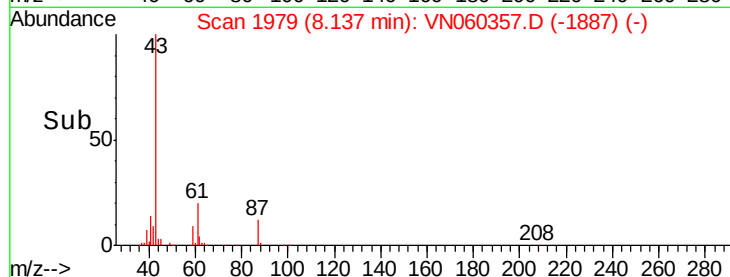


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

Time-->

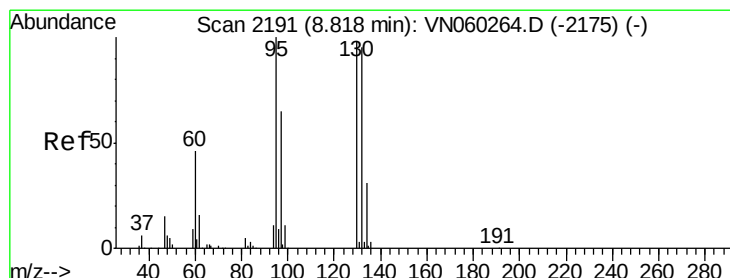


Abundance Ion 43.00 (42.70 to 43.70): VN060357.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060357.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060357.D (-1887) (-)

Time-->



#44

Trichloroethene

Concen: 48.833 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060357.D

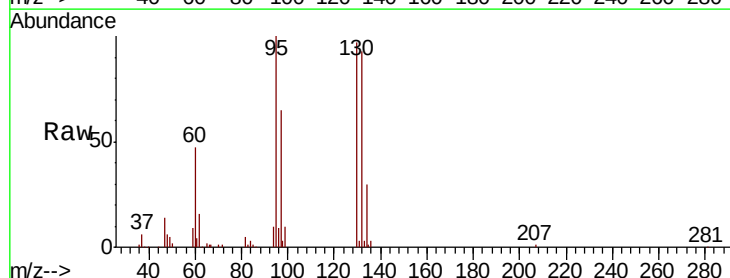
Acq: 5 Mar 2020 10:43

Tgt Ion:130 Resp: 122137

Ion Ratio Lower Upper

130 100

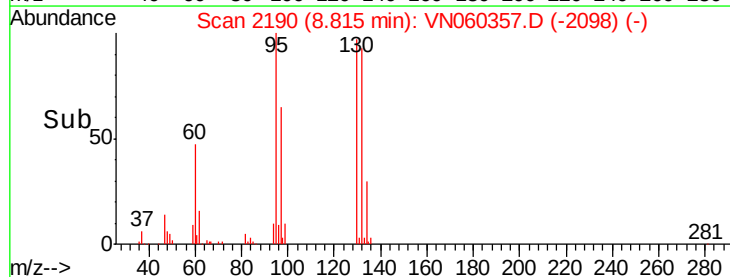
95 103.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

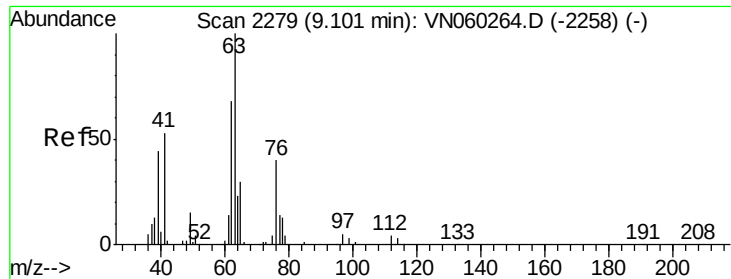
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN060357.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060357.D (-2098) (-)

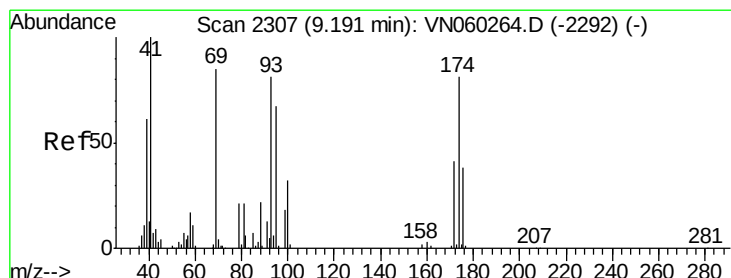
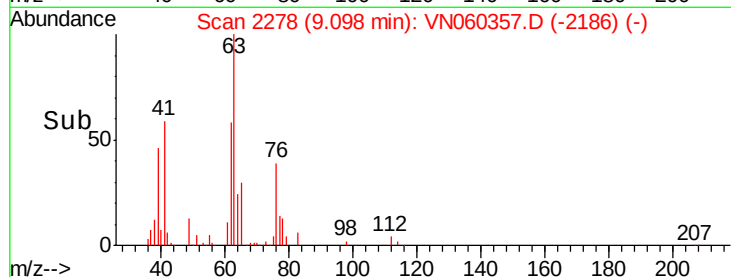
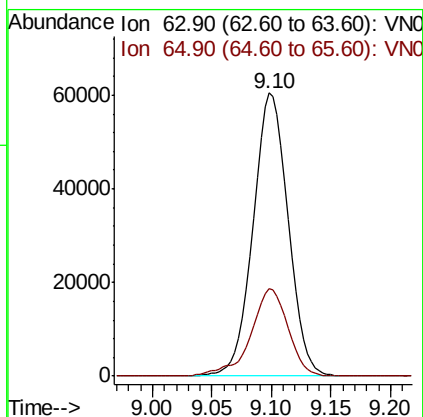
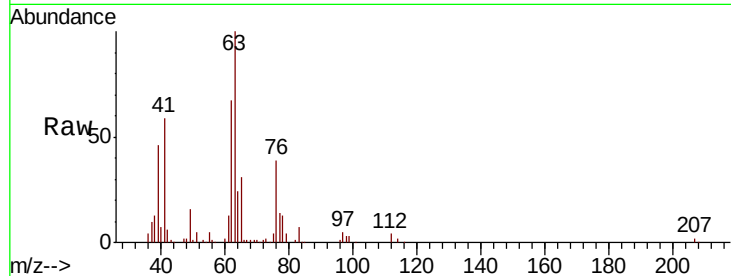
Time-->



#45
 1,2-Dichloropropane
 Concen: 52.579 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

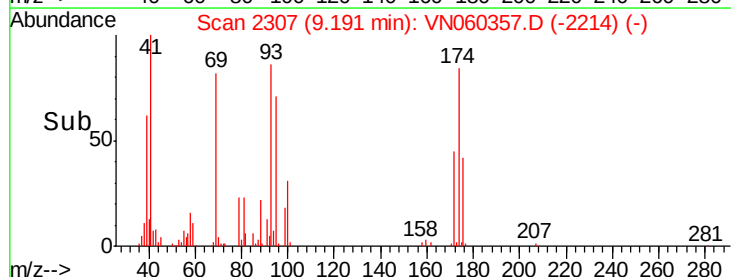
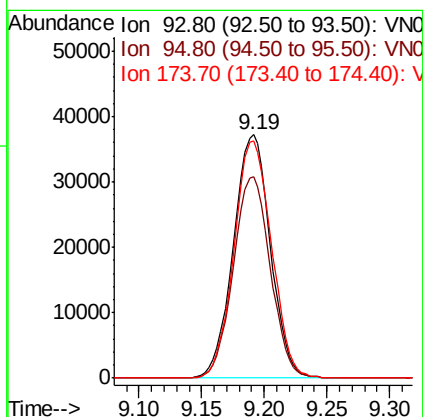
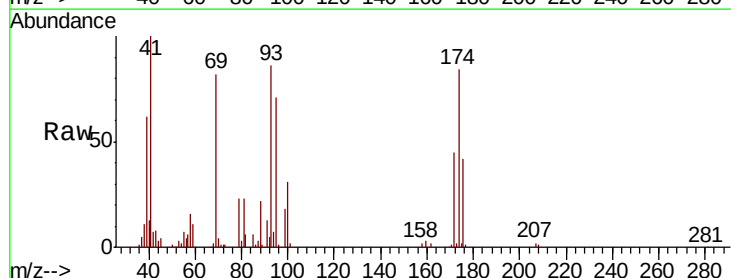
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

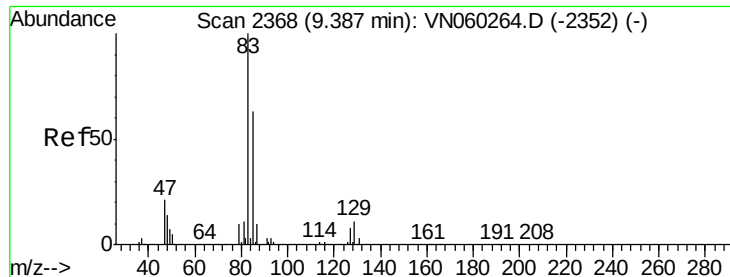
Tot Ion: 63 Resp: 123454
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 50.203 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion: 93 Resp: 76485
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 98.5 79.6 119.4





#47

Bromodichloromethane

Concen: 52.913 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

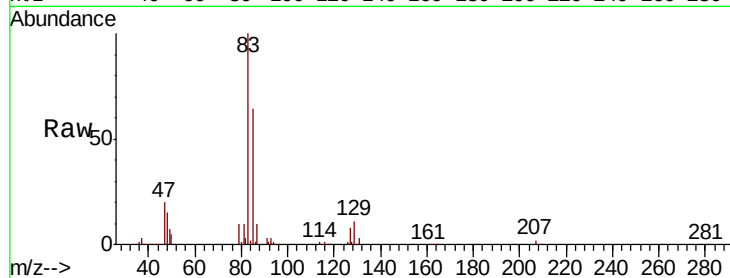
Tot Ion: 83 Resp: 163956

Ion Ratio Lower Upper

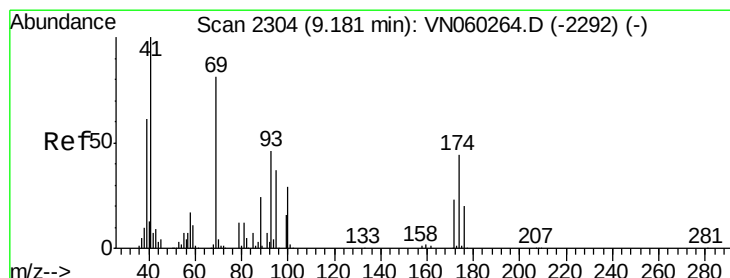
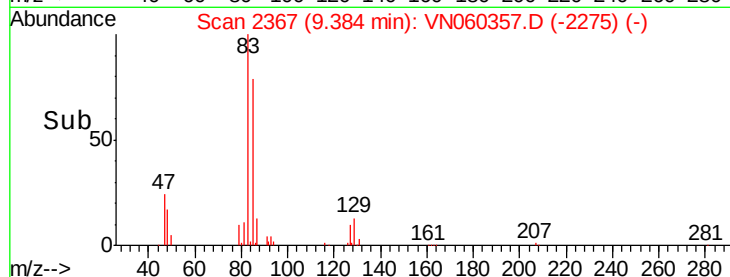
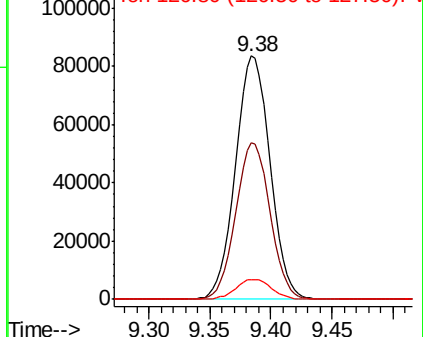
83 100

85 64.2 50.7 76.1

127 8.3 6.8 10.2



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



#48

Methyl methacrylate

Concen: 50.511 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

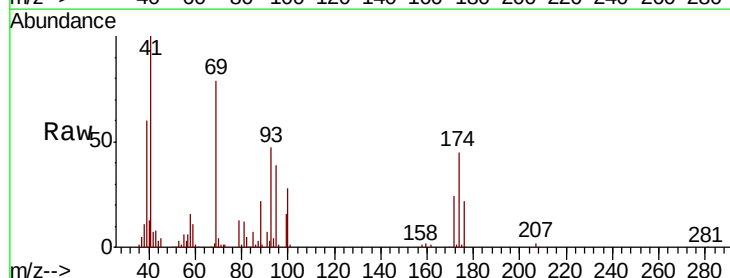
Tgt Ion: 41 Resp: 117810

Ion Ratio Lower Upper

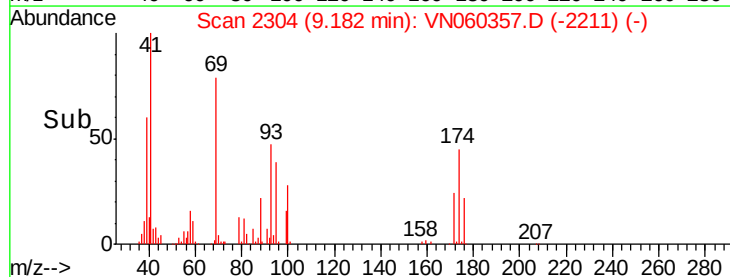
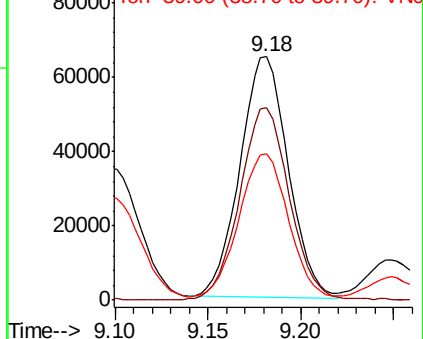
41 100

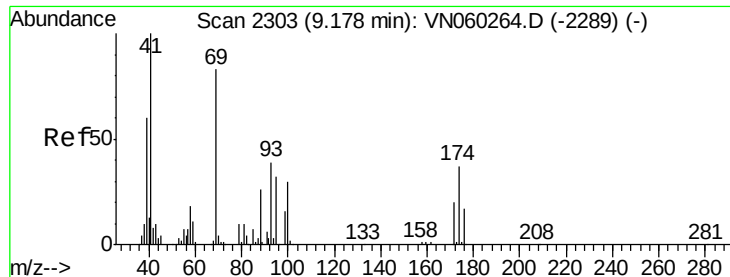
69 82.4 66.7 100.1

39 63.6 50.1 75.1



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

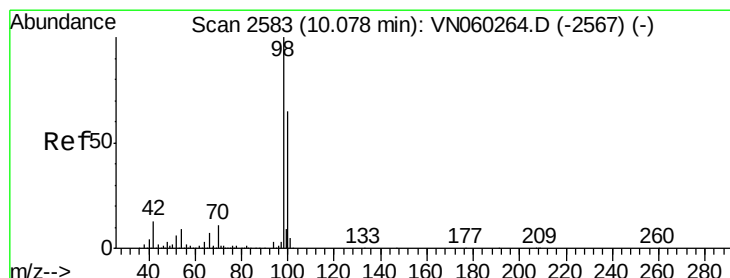
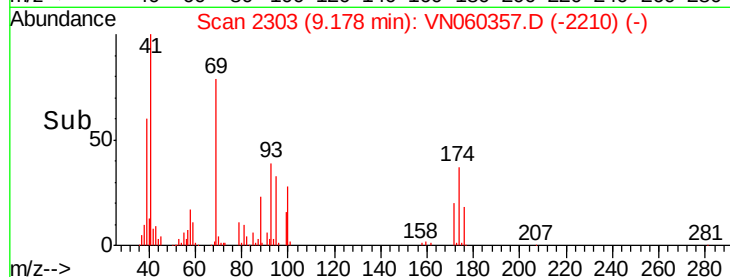
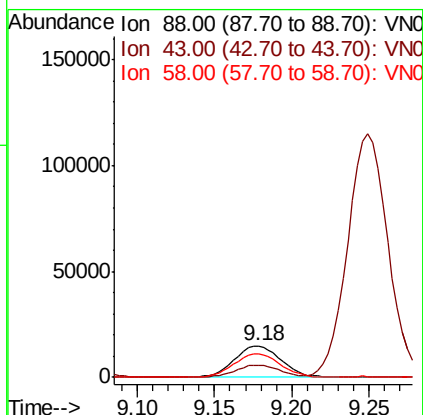
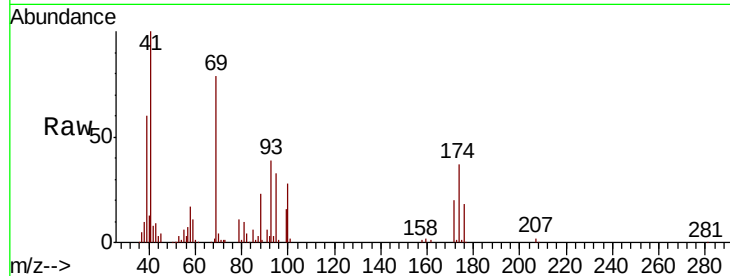




#49
1,4-Dioxane
Concen: 949.191 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

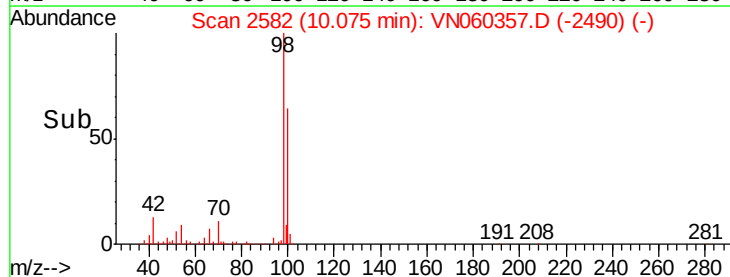
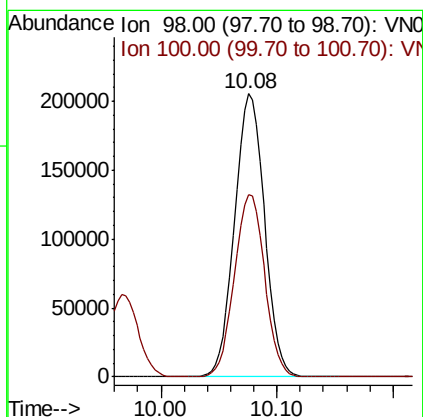
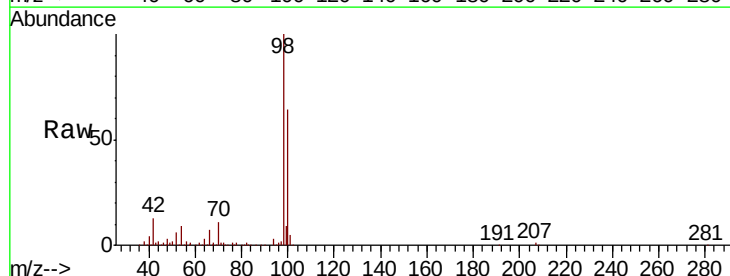
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

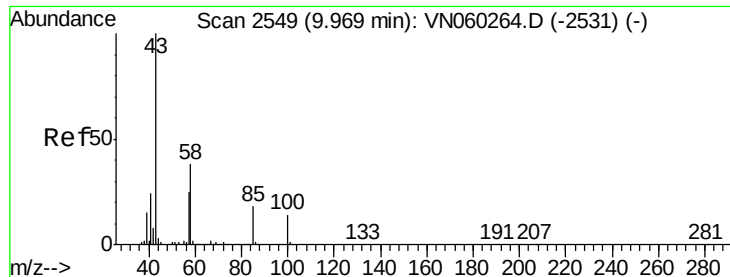
Tot Ion: 88 Resp: 31133
Ion Ratio Lower Upper
88 100
43 37.9 30.4 45.6
58 73.5 57.0 85.6



#50
Toluene-d8
Concen: 48.435 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 98 Resp: 368378
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

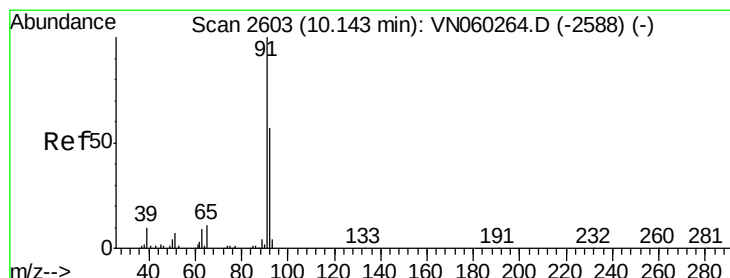
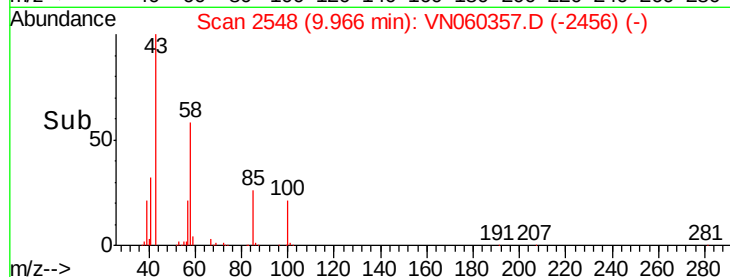
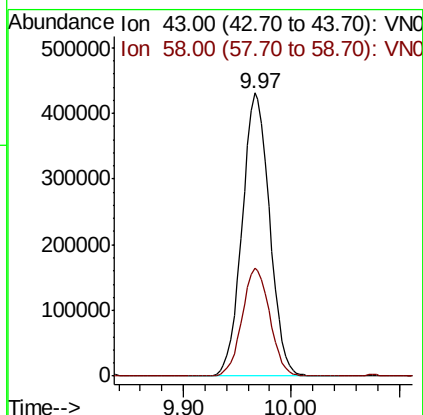
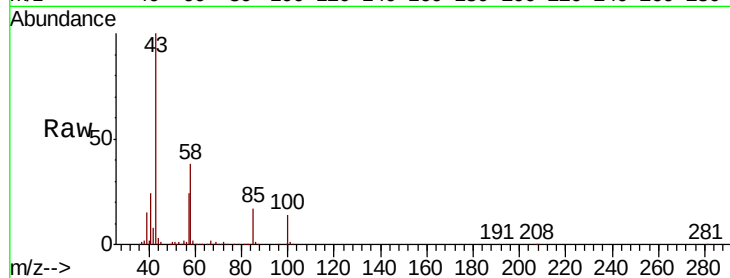




#51
4-Methyl-2-Pentanone
Concen: 263.462 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

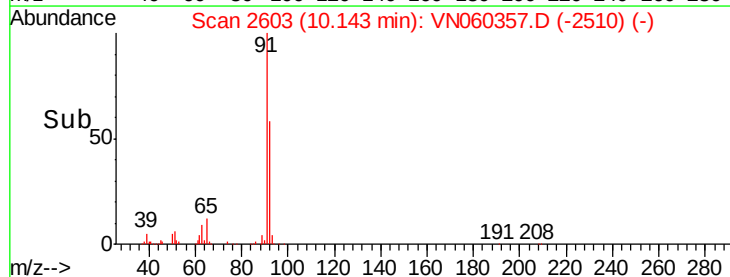
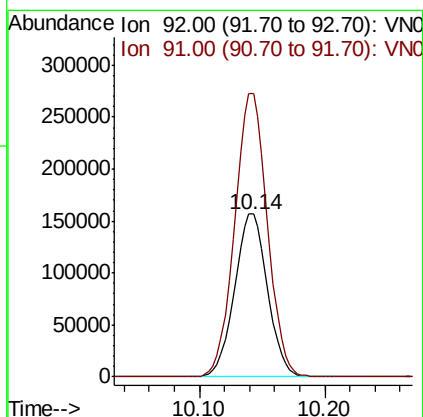
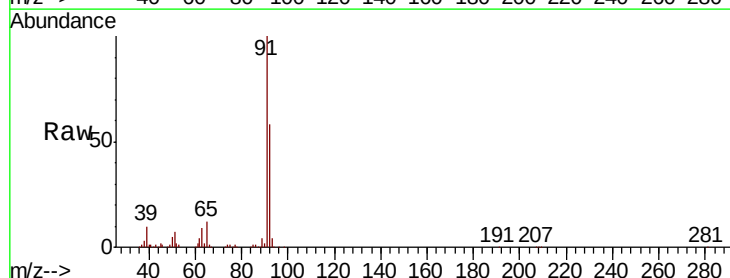
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

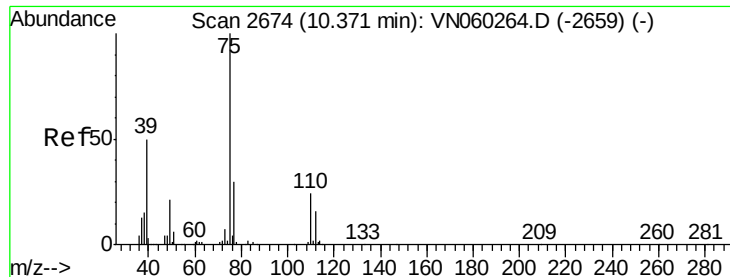
Tot Ion: 43 Resp: 764026
Ion Ratio Lower Upper
43 100
58 38.4 30.9 46.3



#52
Toluene
Concen: 50.359 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 92 Resp: 284086
Ion Ratio Lower Upper
92 100
91 172.9 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 50.180 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

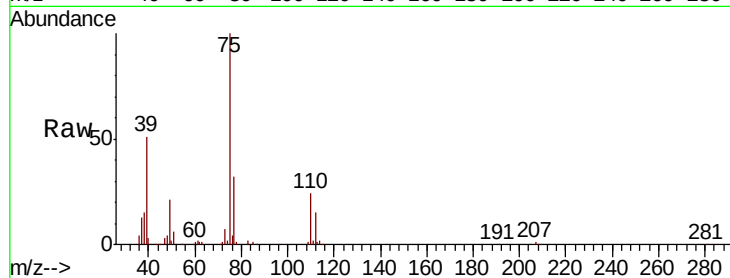
VSTDCCC050

Tot Ion: 75 Resp: 190523

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

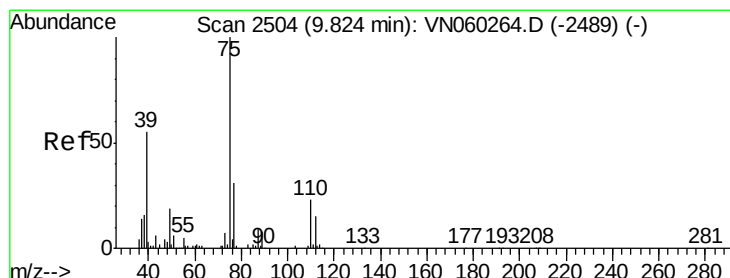
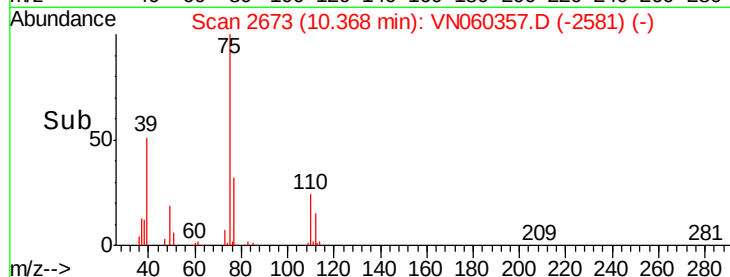
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.767 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

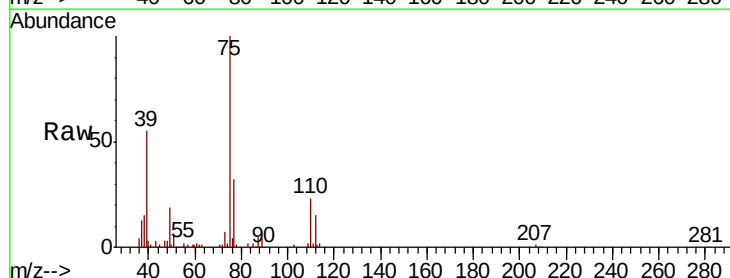
Tgt Ion: 75 Resp: 199732

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 54.6 43.8 65.8



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

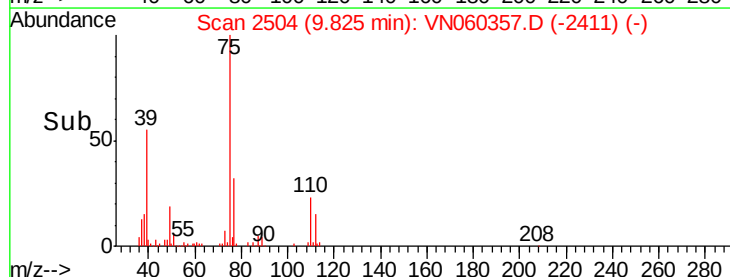
150000

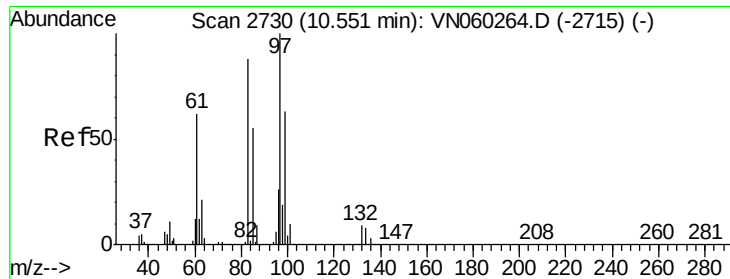
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.924 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 113256

Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.0	105.0
85	57.1	44.0	66.0
99	63.8	50.4	75.6

Abundance

Ion 96.90 (96.60 to 97.60): VN0

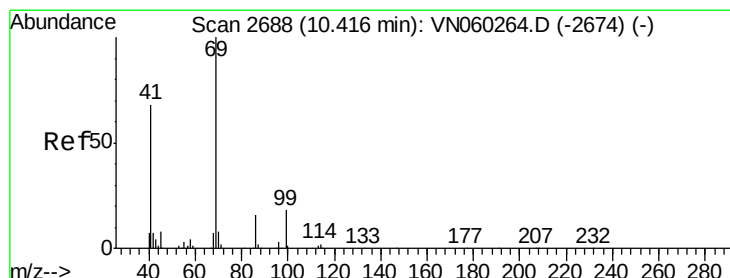
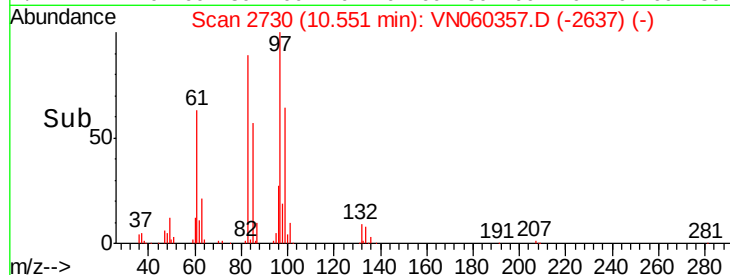
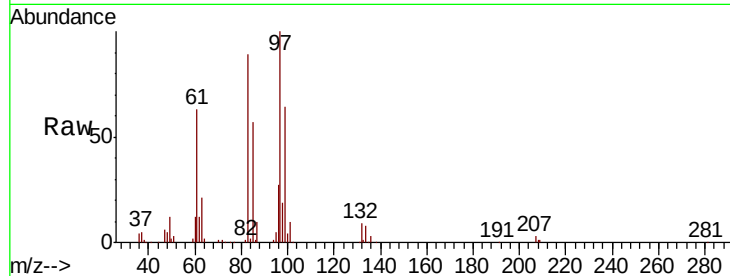
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.55

Time-->



#56

Ethyl methacrylate

Concen: 53.571 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion: 69 Resp: 174596

Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	40.7	32.5	48.7

Abundance

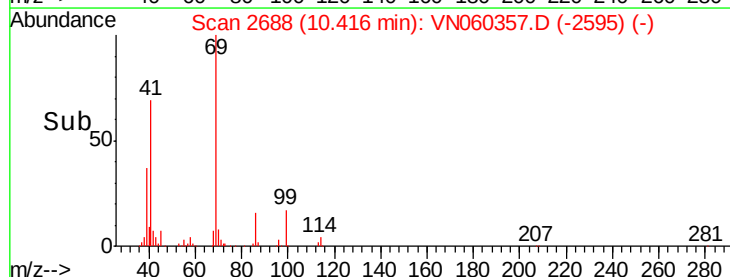
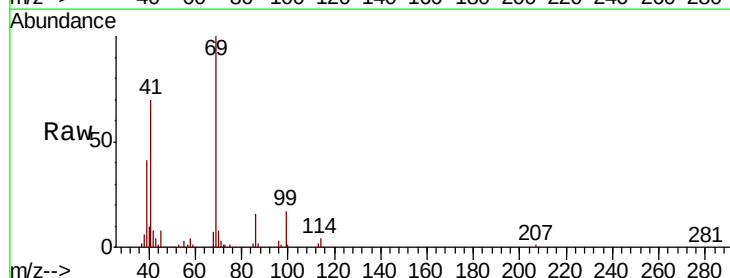
Ion 69.00 (68.70 to 69.70): VN0

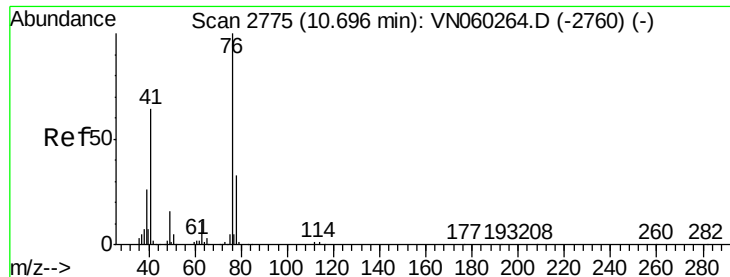
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.42

Time-->





#57

1,3-Dichloropropane

Concen: 51.940 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

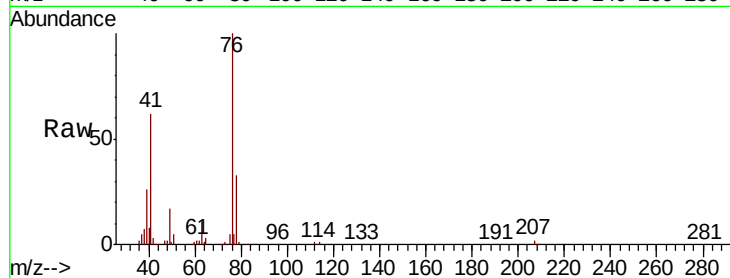
VSTDCCC050

Tot Ion: 76 Resp: 192158

Ion Ratio Lower Upper

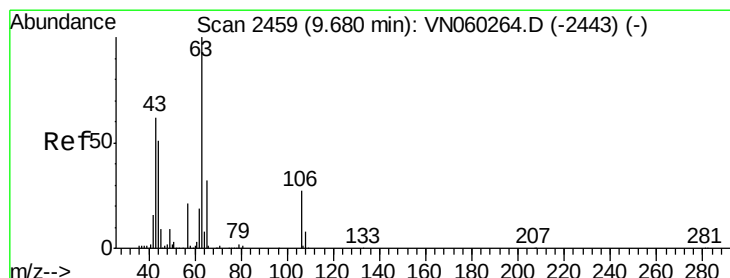
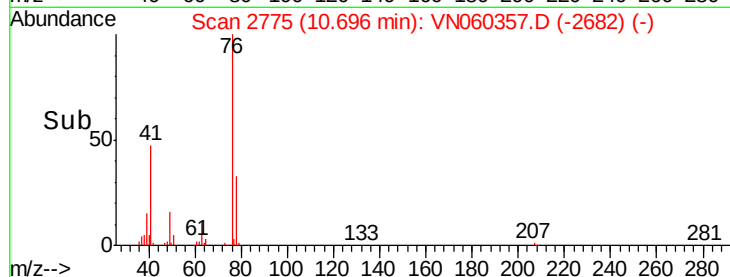
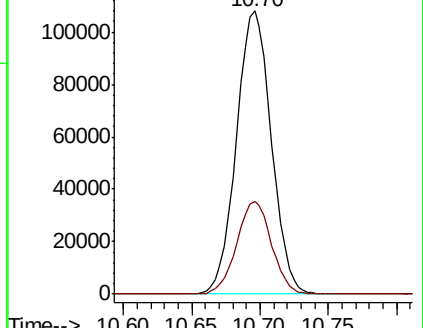
76 100

78 32.6 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060357.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060357.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 297.650 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060357.D

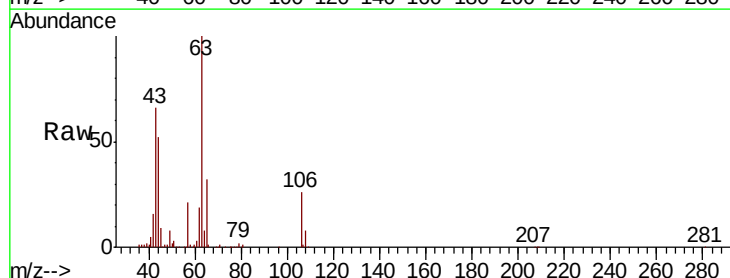
Acq: 5 Mar 2020 10:43

Tgt Ion: 63 Resp: 507363

Ion Ratio Lower Upper

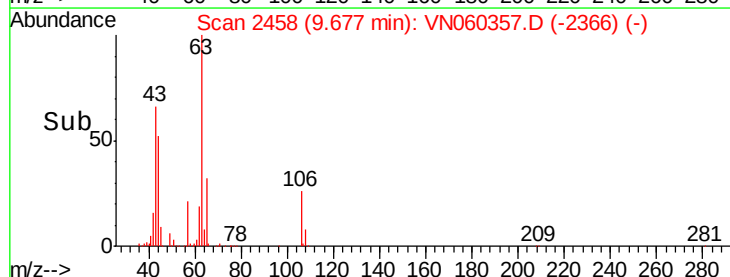
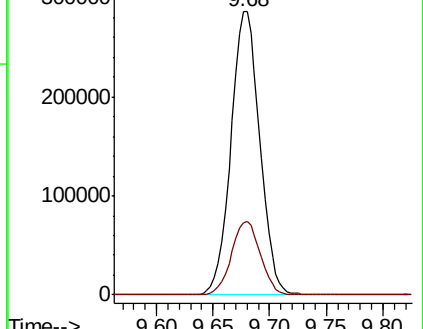
63 100

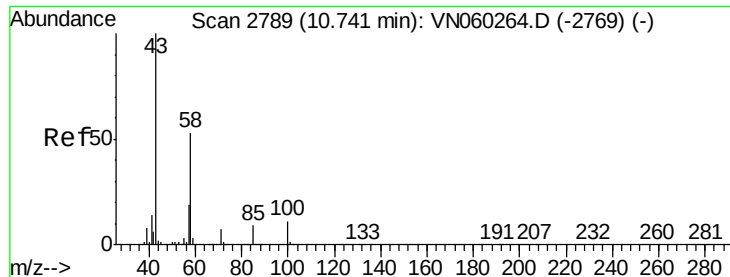
106 26.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060357.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060357.D (-2366) (-)

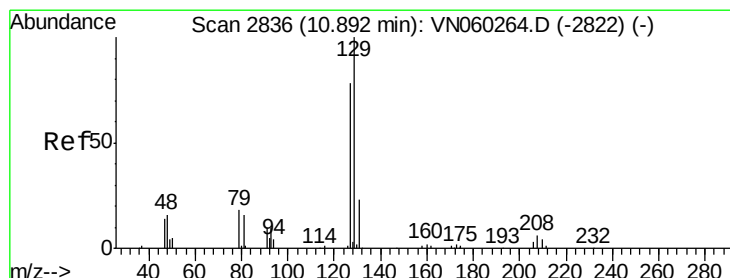
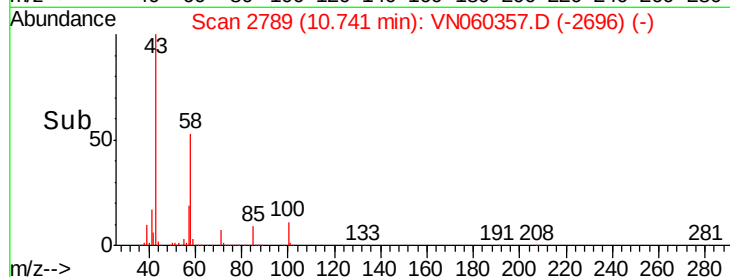
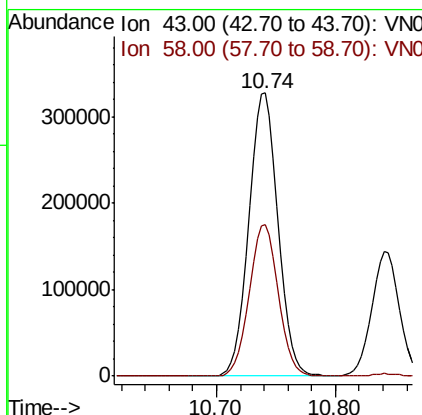
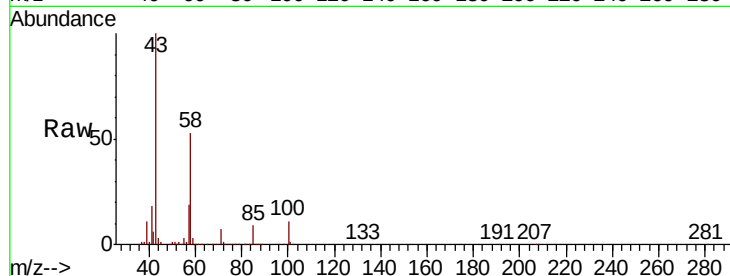




#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

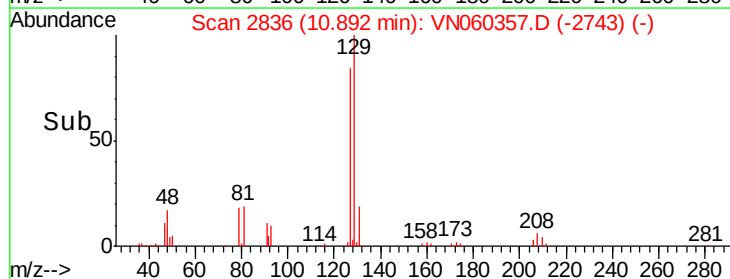
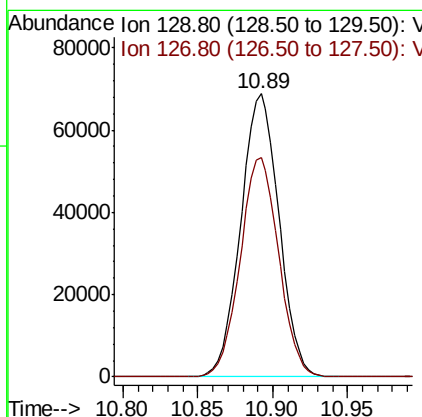
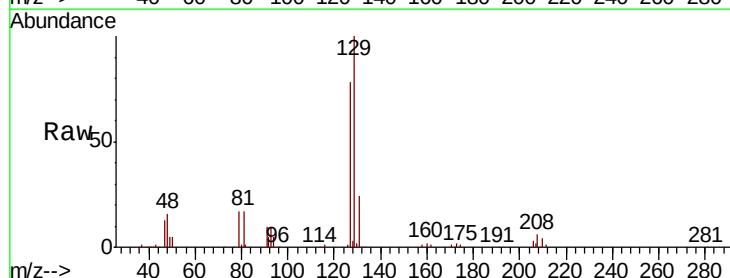
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

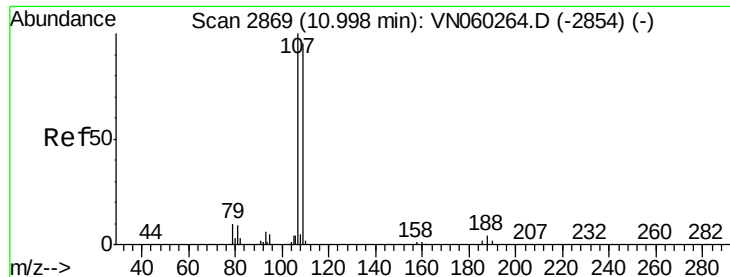
Tot Ion: 43 Resp: 554579
Ion Ratio Lower Upper
43 100
58 53.3 26.5 79.5



#60
Dibromochloromethane
Concen: 53.146 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 129 Resp: 122610
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

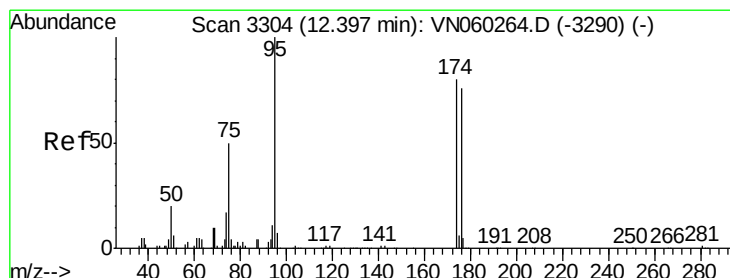
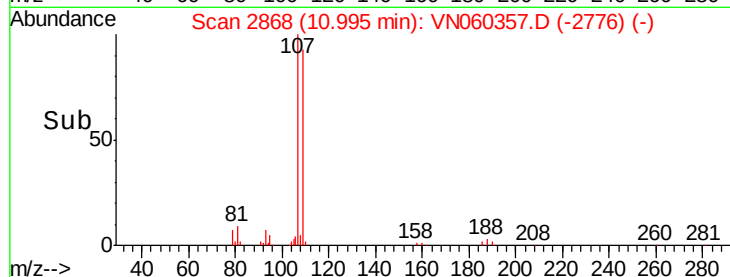
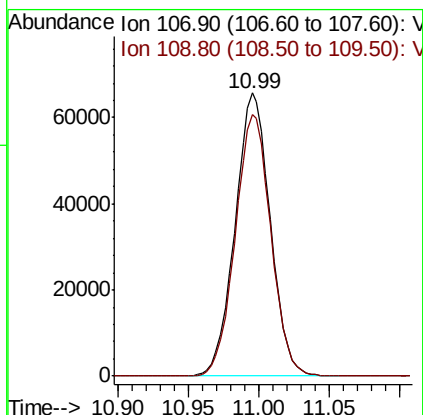
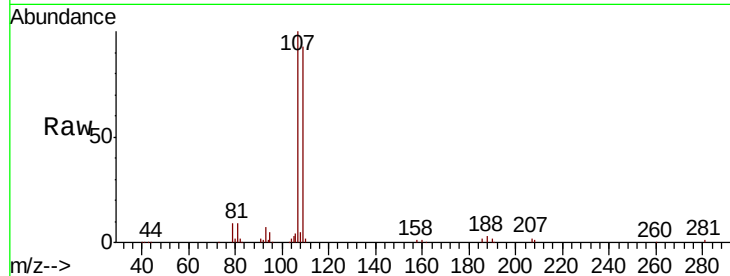




#61
 1,2-Dibromoethane
 Concen: 51.794 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

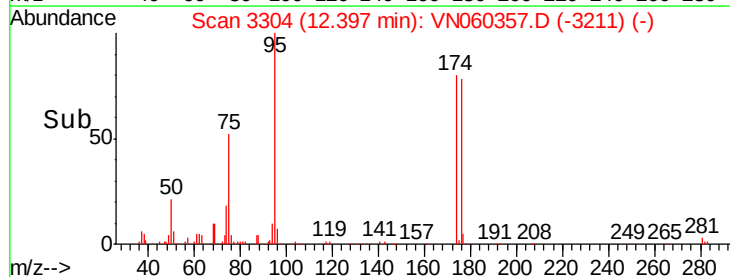
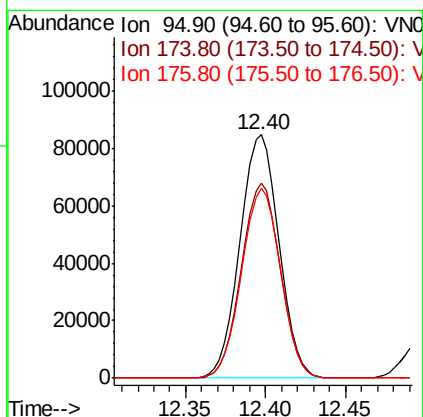
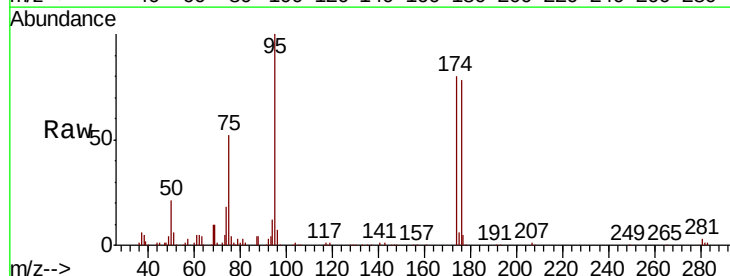
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

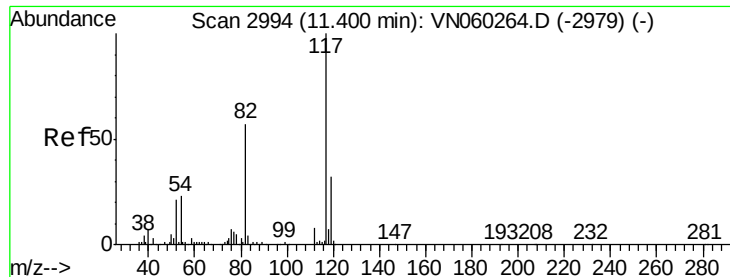
Tot Ion:107 Resp: 114541
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.945 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion: 95 Resp: 141111
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 159.2
 176 78.1 0.0 153.8

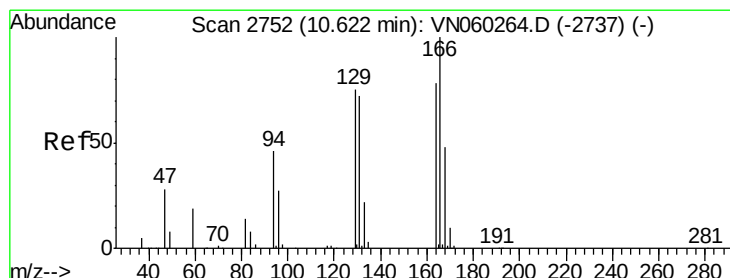
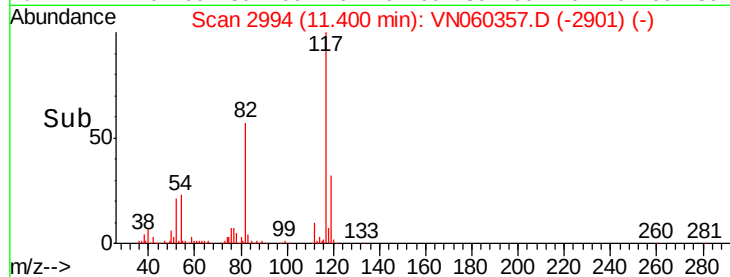
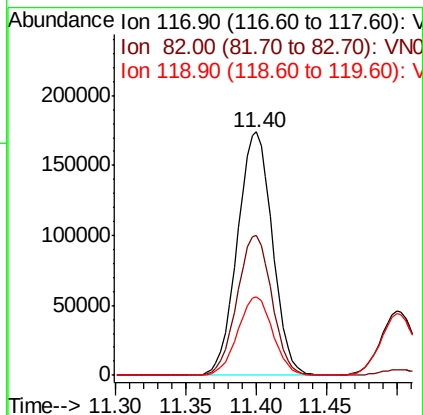
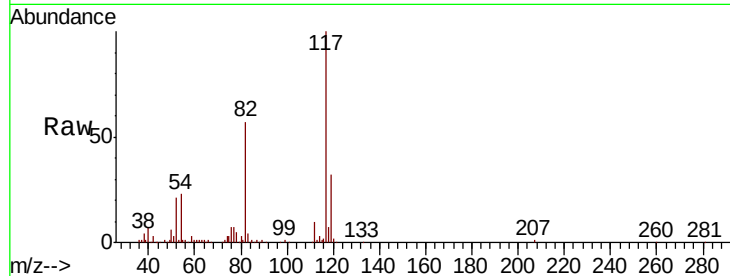




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

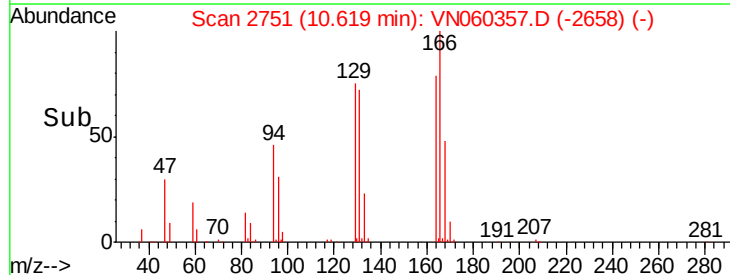
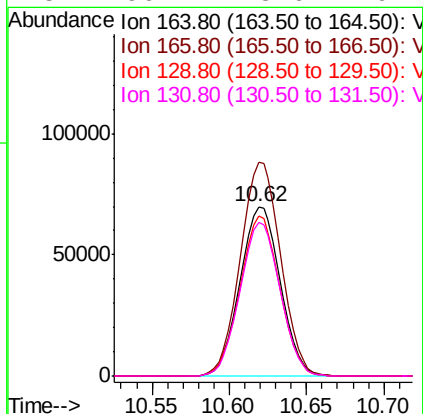
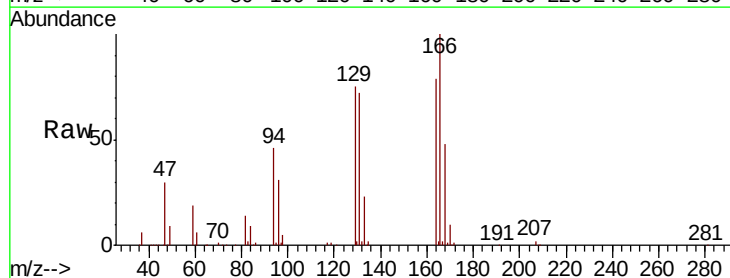
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

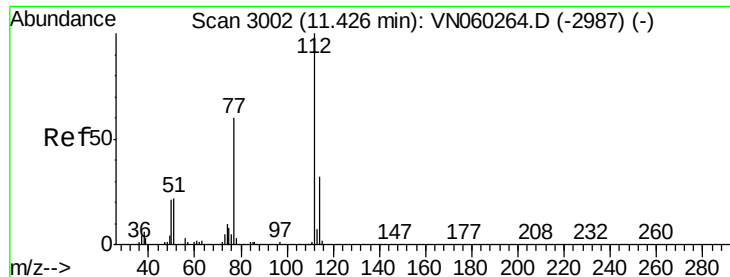
Tot Ion:117 Resp: 302052
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.6
119 32.4 25.8 38.8



#64
Tetrachloroethene
Concen: 53.321 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion:164 Resp: 126586
Ion Ratio Lower Upper
164 100
166 126.3 102.0 153.0
129 94.5 76.4 114.6
131 90.7 73.6 110.4

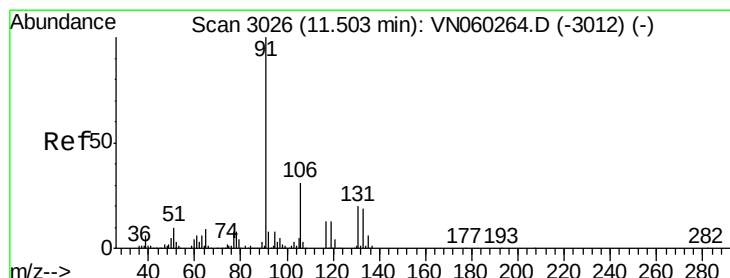
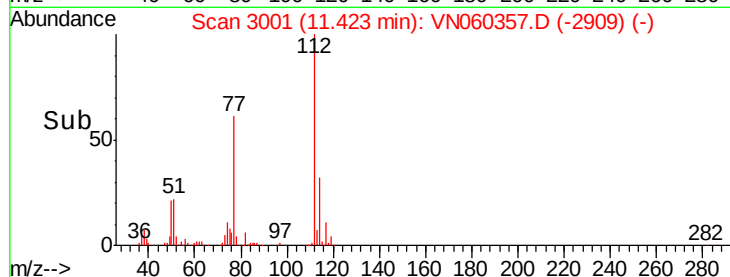
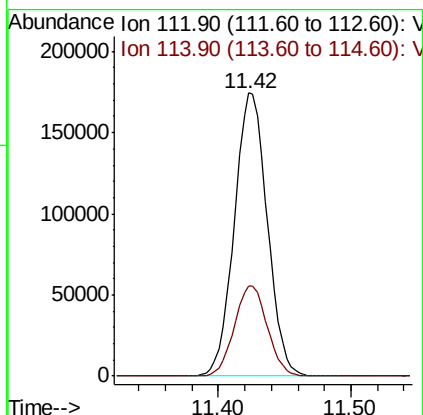
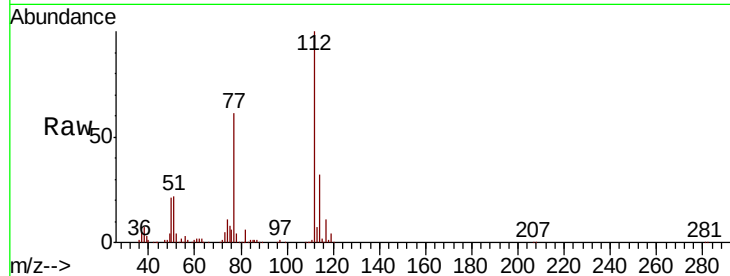




#65
Chlorobenzene
Concen: 49.168 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

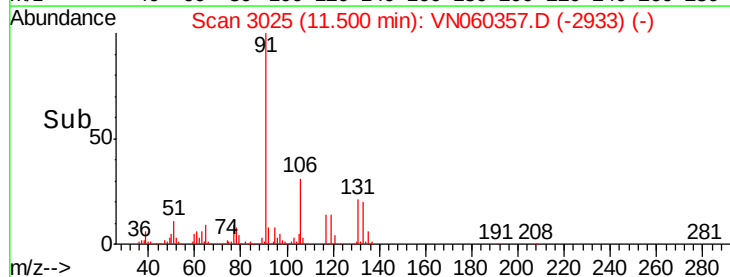
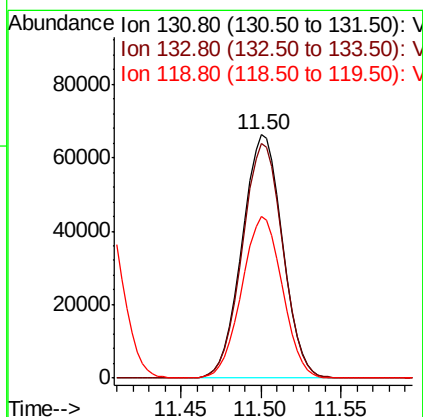
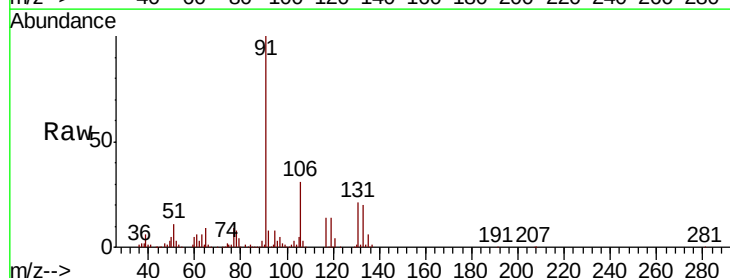
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

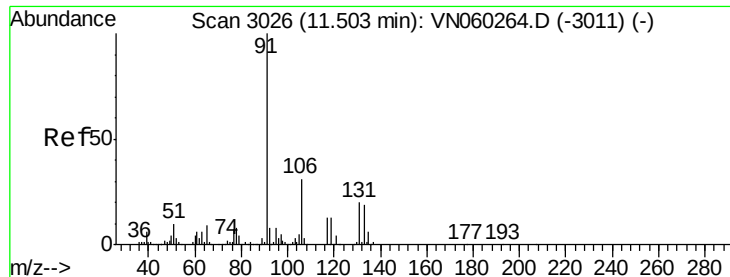
Tot Ion:112 Resp: 299888
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.705 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion:131 Resp: 114348
Ion Ratio Lower Upper
131 100
133 97.0 47.7 143.1
119 66.6 33.2 99.6

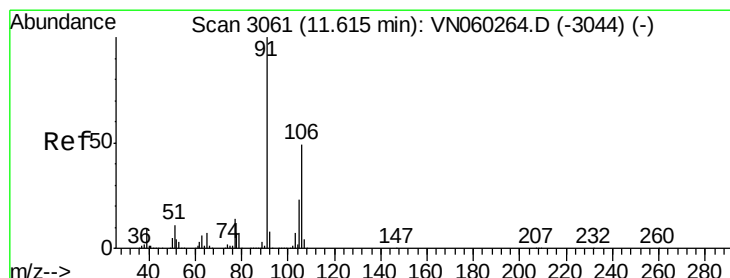
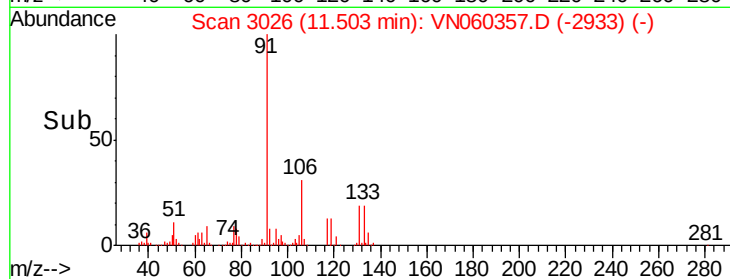
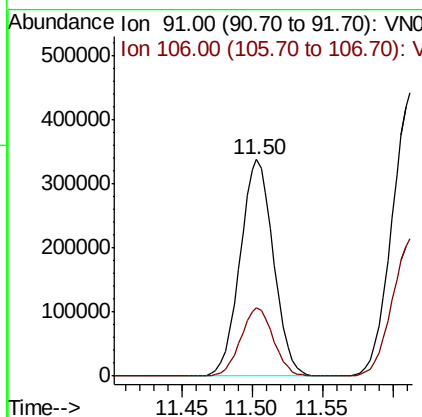
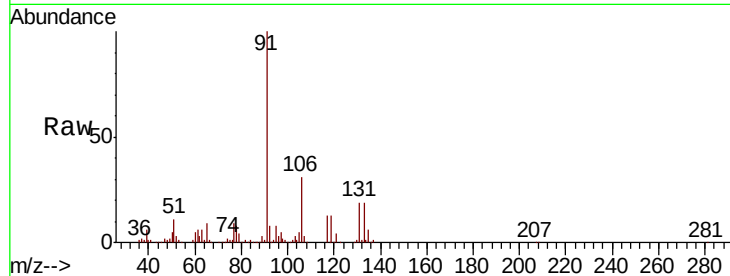




#67
Ethyl Benzene
Concen: 50.396 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

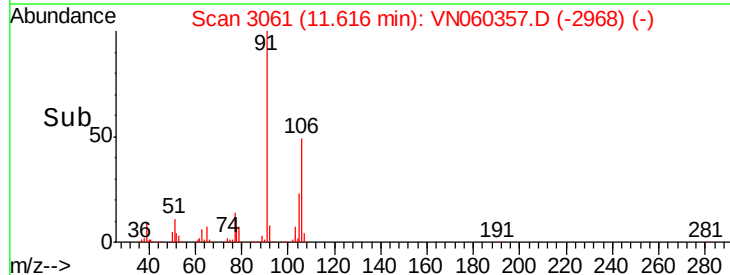
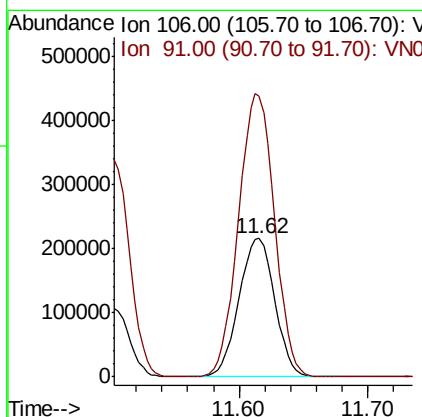
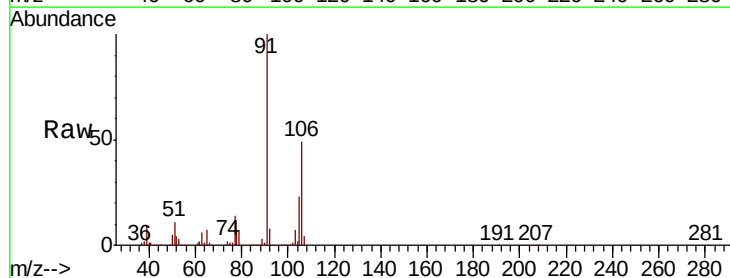
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

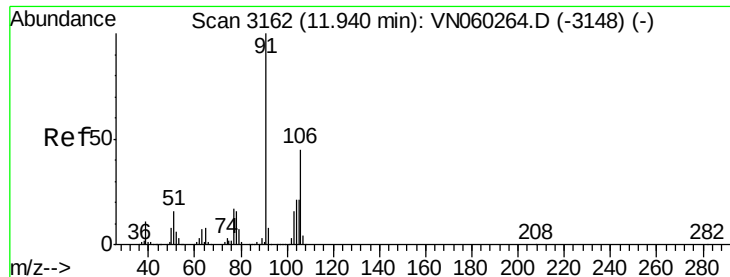
Tot Ion: 91 Resp: 559762
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1



#68
m/p-Xylenes
Concen: 99.734 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 106 Resp: 417948
Ion Ratio Lower Upper
106 100
91 204.9 164.5 246.7

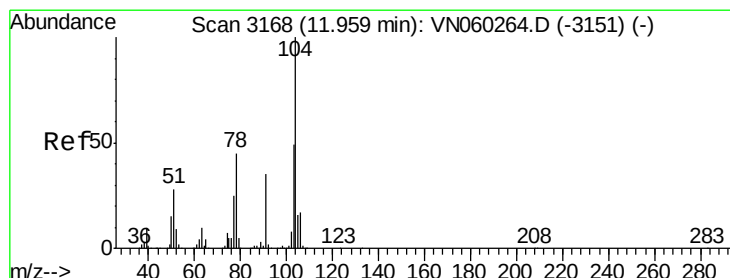
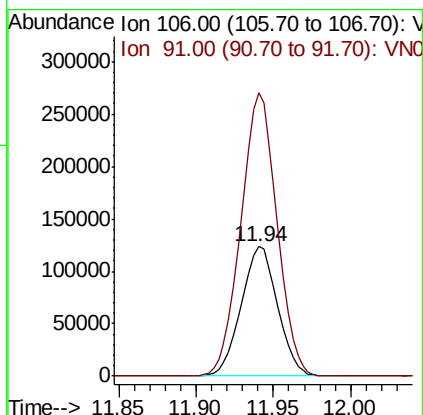
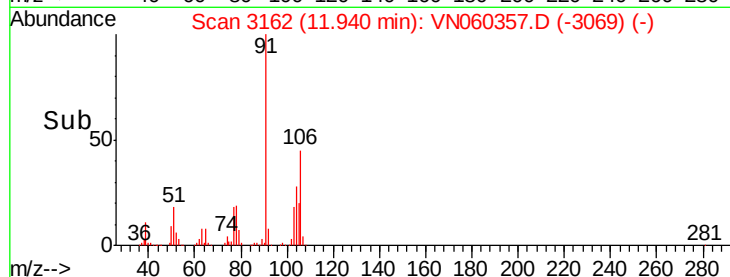
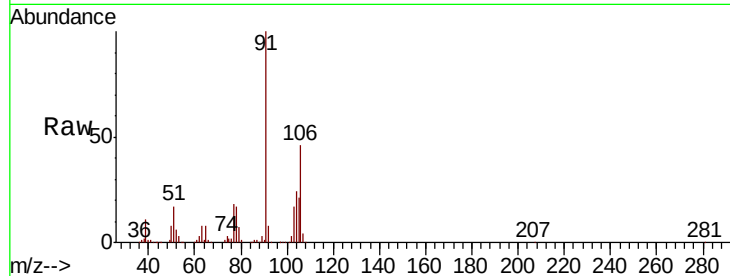




#69
o-Xylene
Concen: 50.656 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

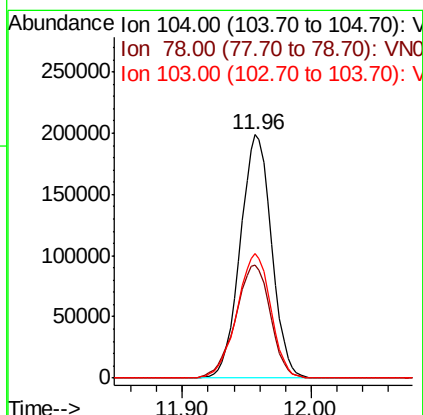
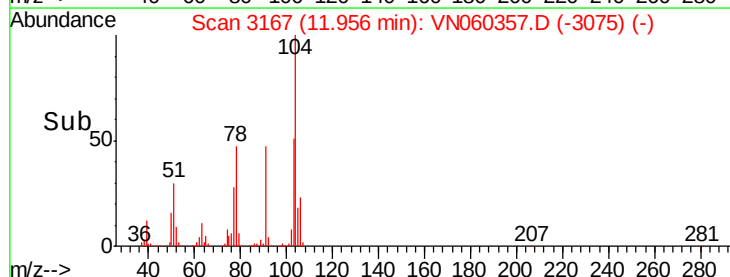
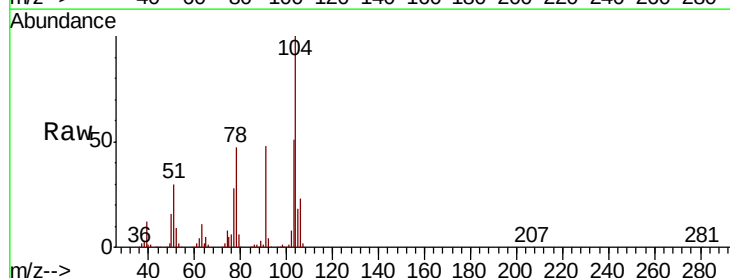
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

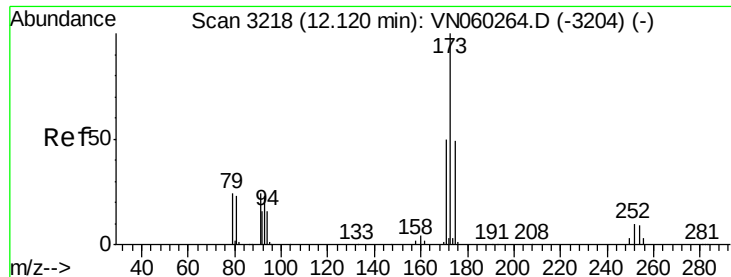
Tot Ion:106 Resp: 202429
Ion Ratio Lower Upper
106 100
91 216.6 109.5 328.4



#70
Styrene
Concen: 51.179 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion:104 Resp: 336251
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 54.686 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

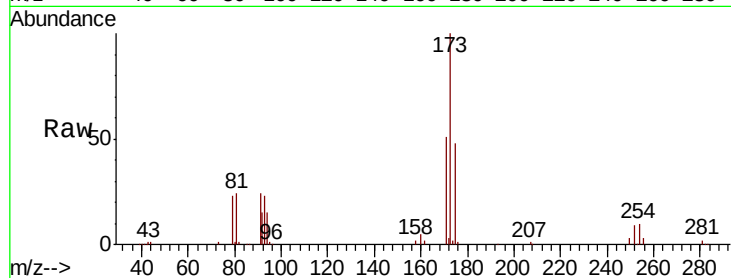
Tot Ion:173 Resp: 88881

Ion Ratio Lower Upper

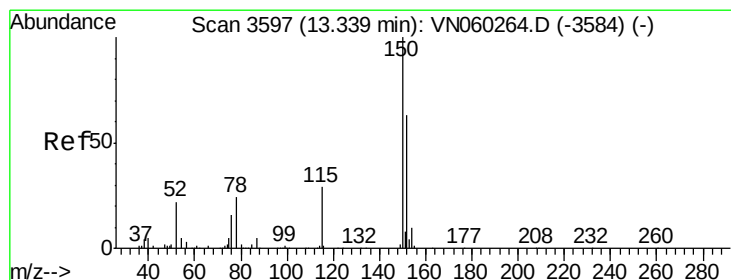
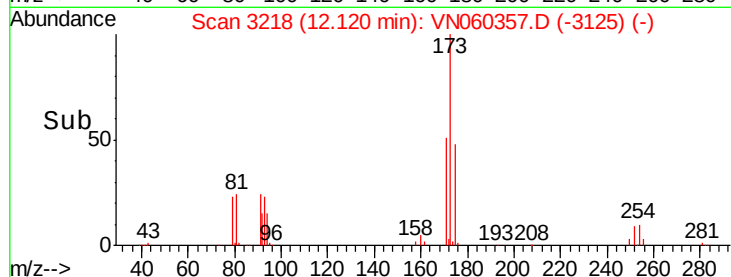
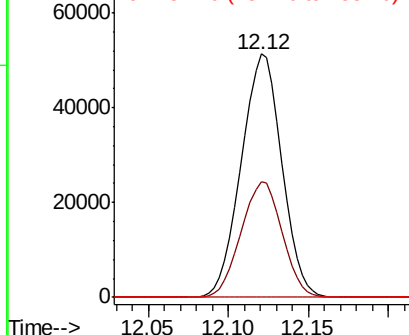
173 100

175 48.1 24.1 72.2

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: VN060357.D

Acq: 5 Mar 2020 10:43

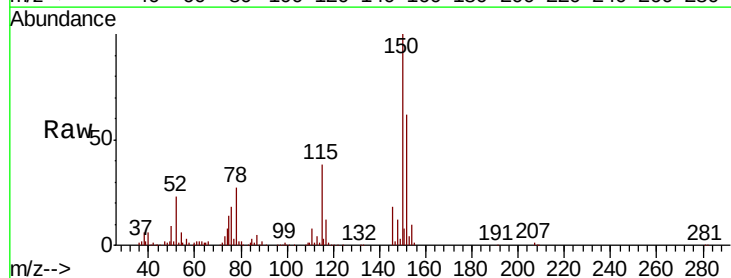
Tgt Ion:152 Resp: 148763

Ion Ratio Lower Upper

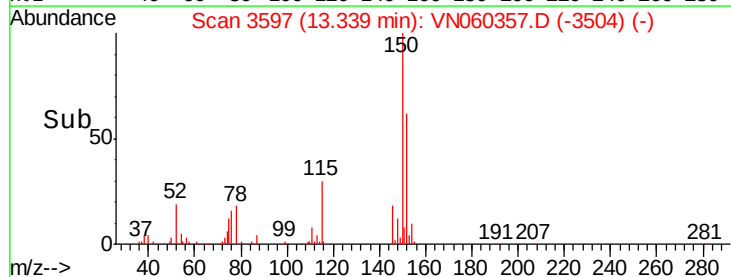
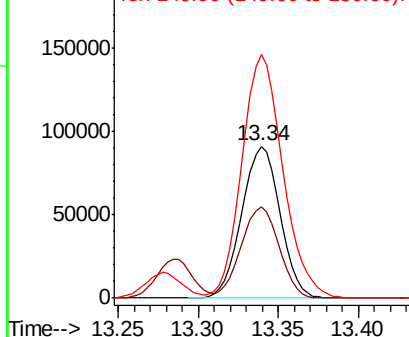
152 100

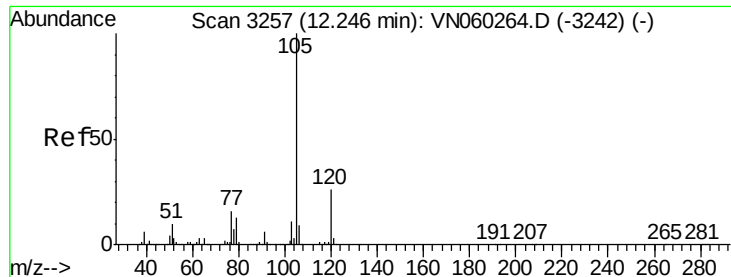
115 59.7 30.0 90.0

150 172.4 0.0 349.6



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: 49.947 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

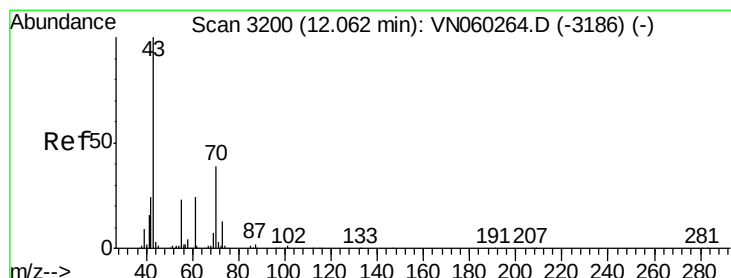
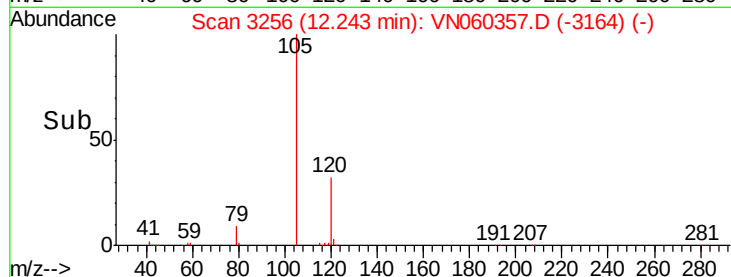
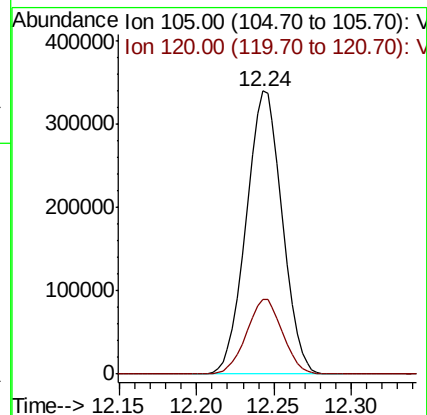
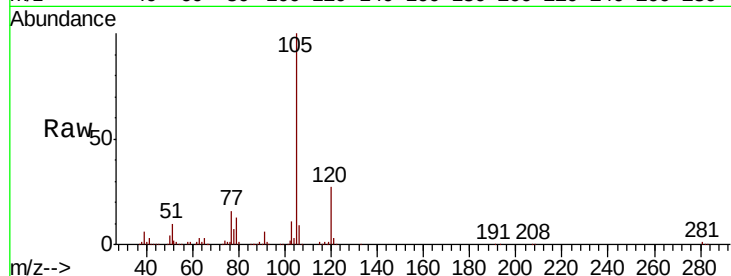
VSTDCCC050

Tot Ion:105 Resp: 550722

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9



#74

N-ethyl acetate

Concen: 50.513 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Tgt Ion: 43 Resp: 243381

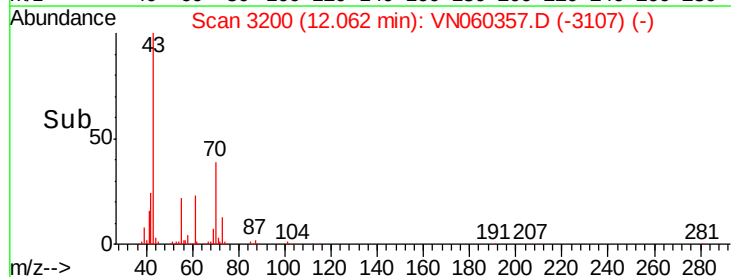
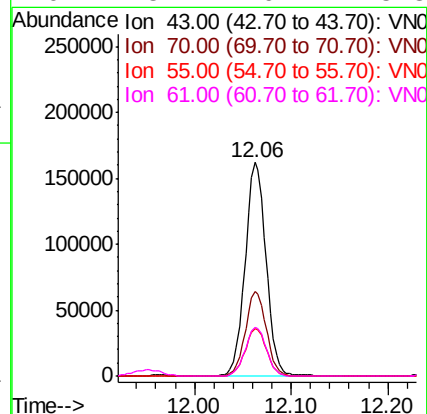
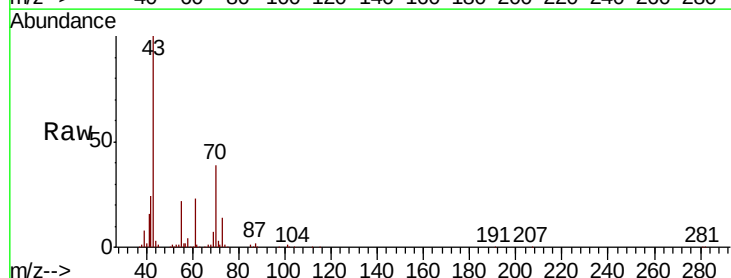
Ion Ratio Lower Upper

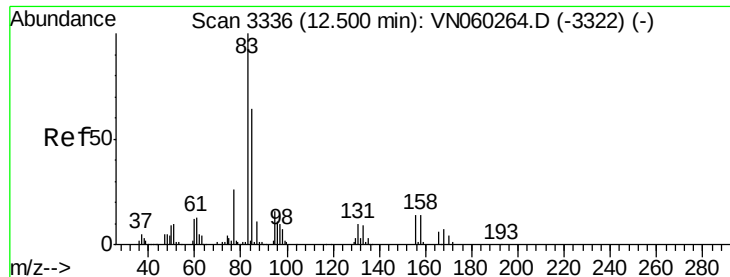
43 100

70 39.5 32.2 48.2

55 22.7 18.2 27.4

61 23.2 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.377 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

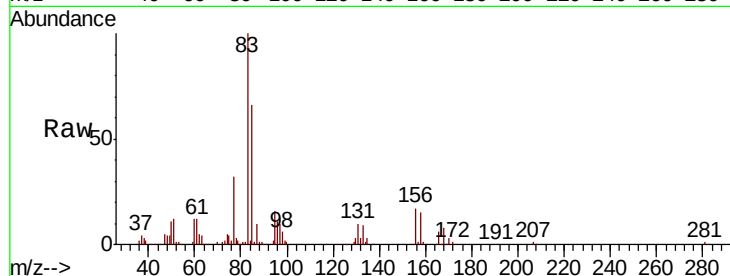
Tot Ion: 83 Resp: 153986

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

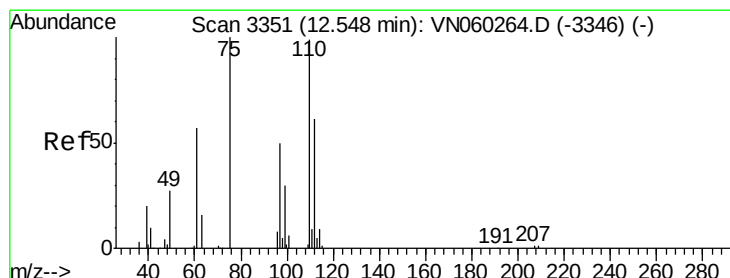
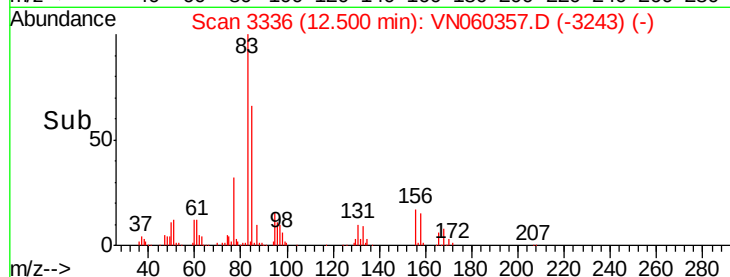
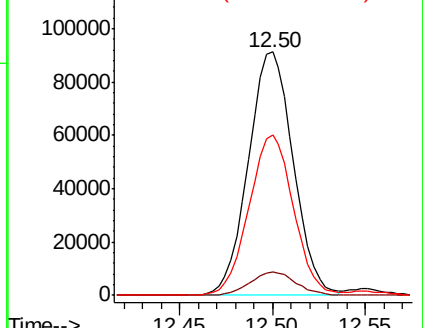
85 65.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060357.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060357.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060357.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 66.860 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060357.D

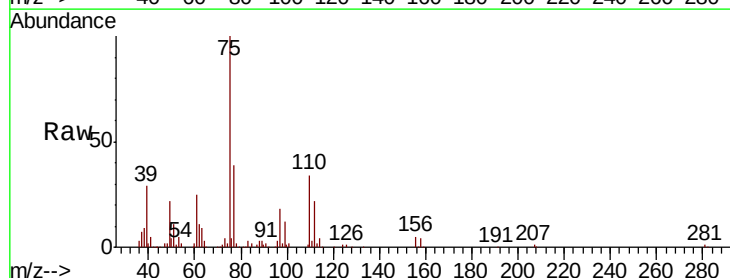
Acq: 5 Mar 2020 10:43

Tgt Ion: 75 Resp: 218222

Ion Ratio Lower Upper

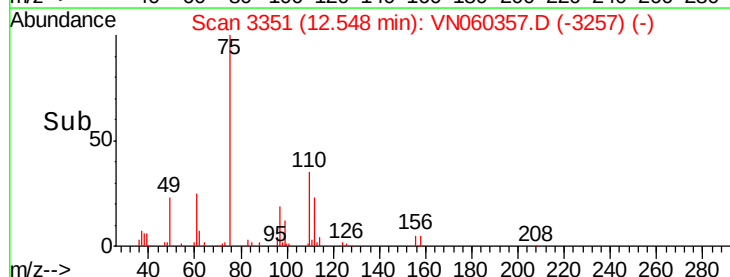
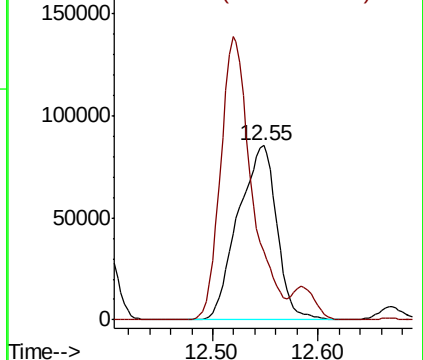
75 100

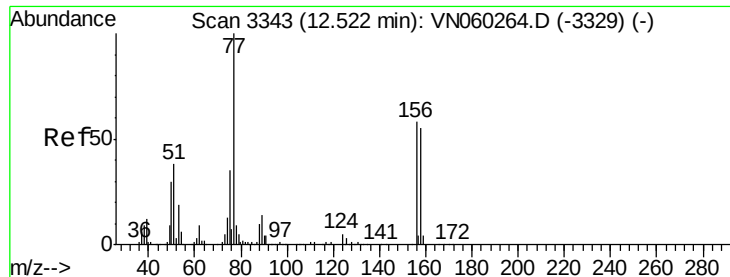
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060357.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060357.D (-3257) (-)





#77

Bromobenzene

Concen: 49.266 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

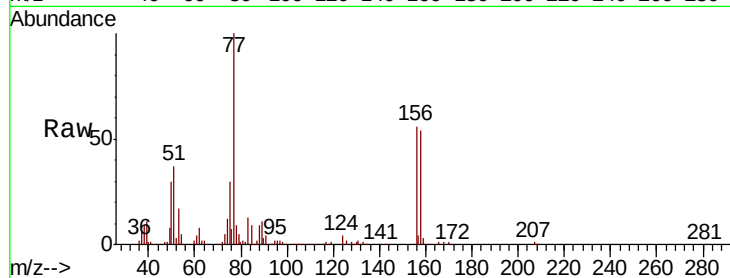
Tot Ion:156 Resp: 133156

Ion Ratio Lower Upper

156 100

77 214.1 106.1 318.3

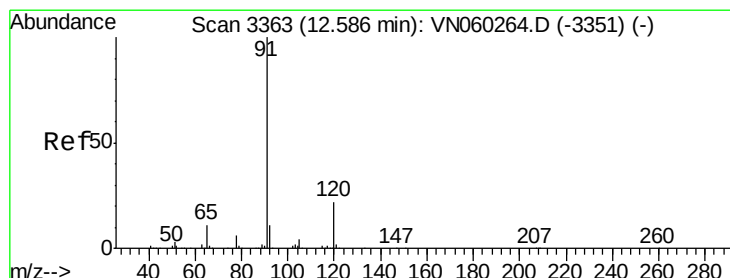
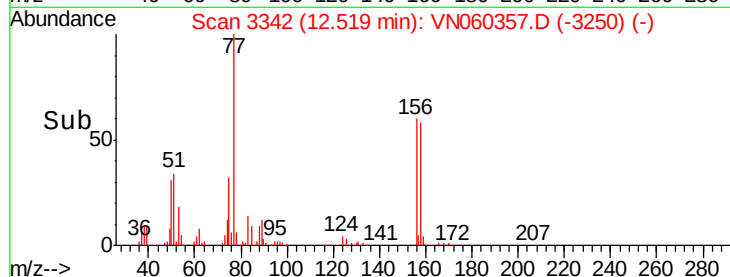
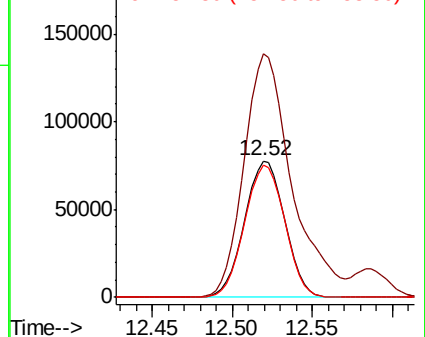
158 96.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.329 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060357.D

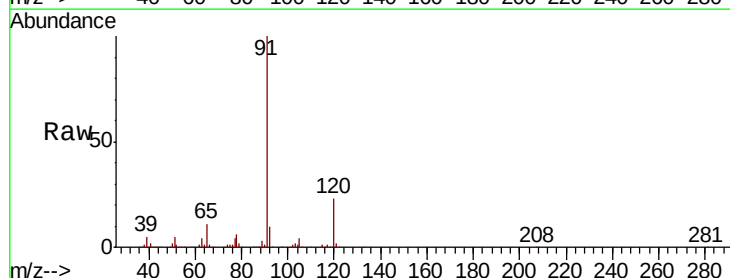
Acq: 5 Mar 2020 10:43

Tgt Ion: 91 Resp: 650481

Ion Ratio Lower Upper

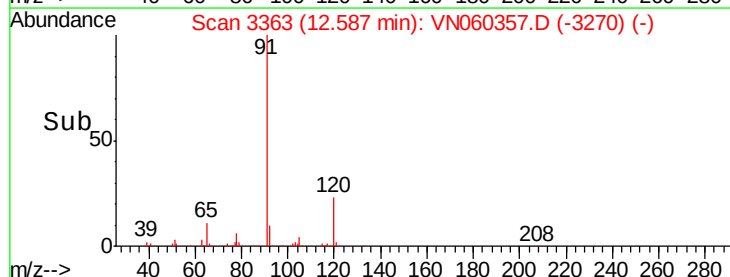
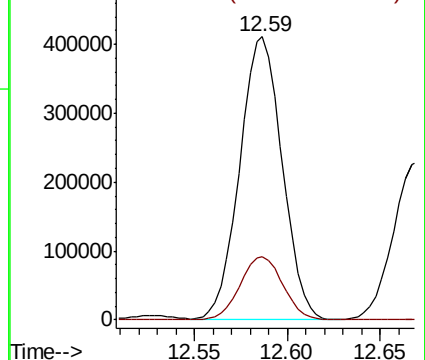
91 100

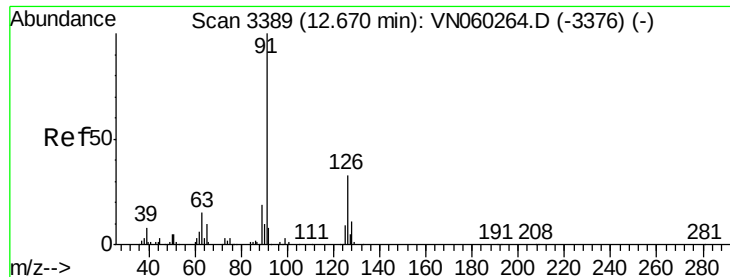
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.627 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

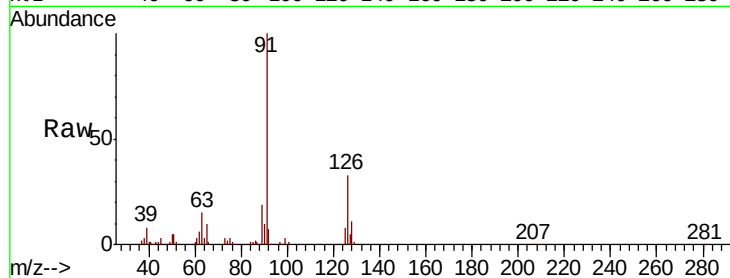
VSTDCCC050

Tot Ion: 91 Resp: 377035

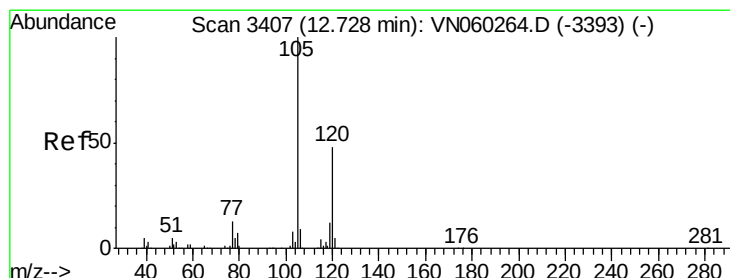
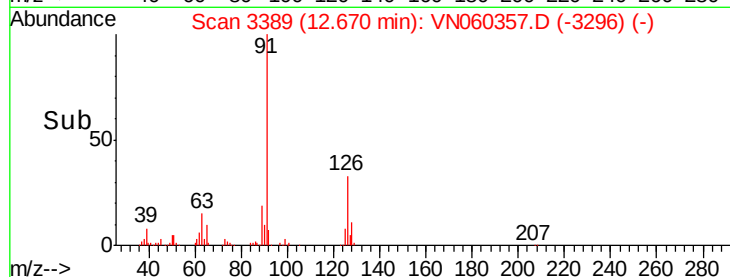
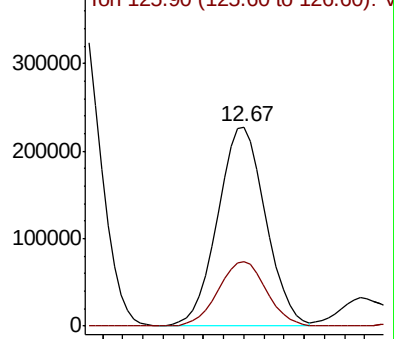
Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.359 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060357.D

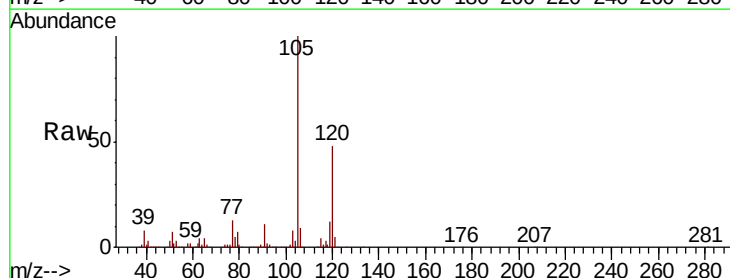
Acq: 5 Mar 2020 10:43

Tgt Ion: 105 Resp: 467511

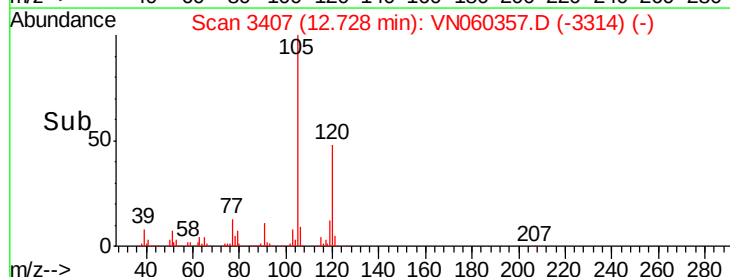
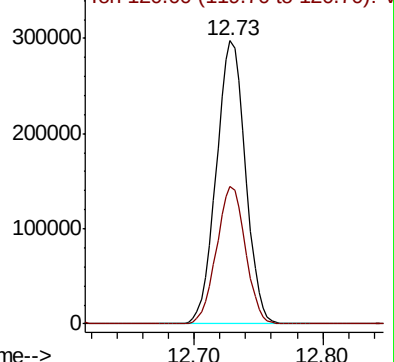
Ion Ratio Lower Upper

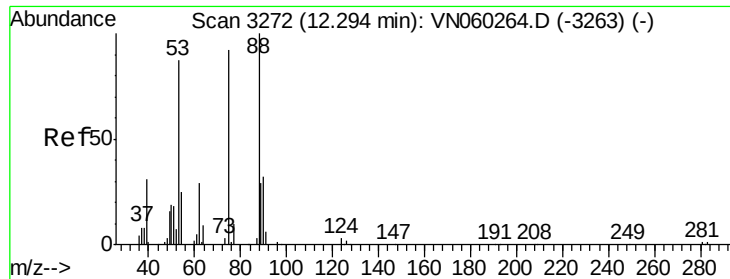
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

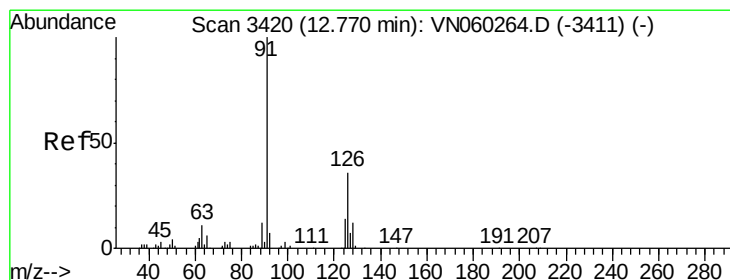
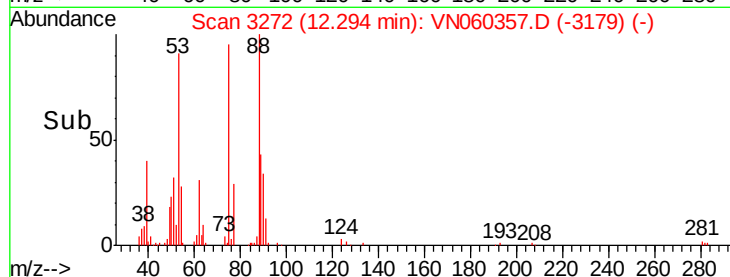
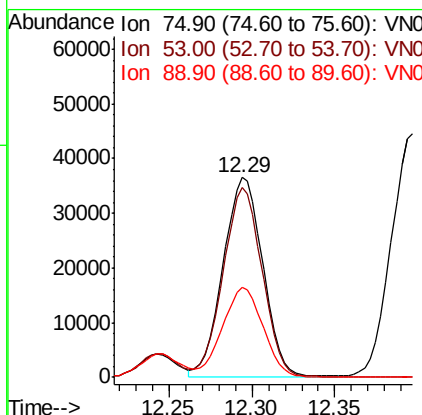
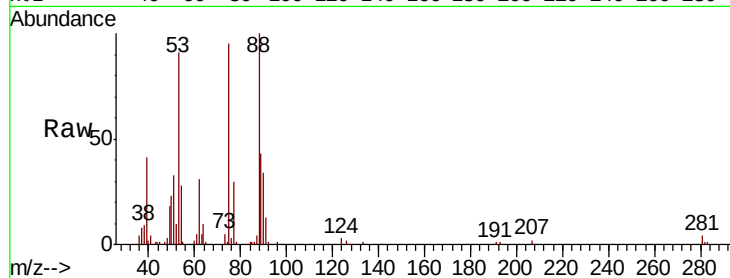




#81
trans-1,4-Dichloro-2-butene
Concen: 51.797 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

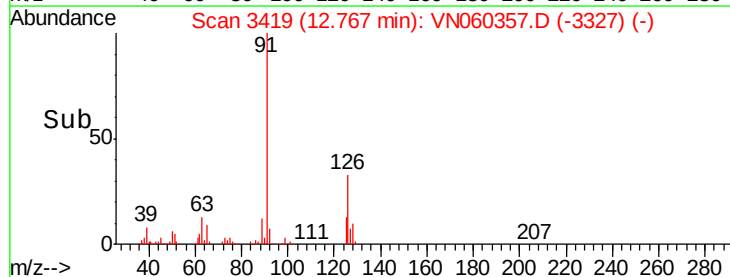
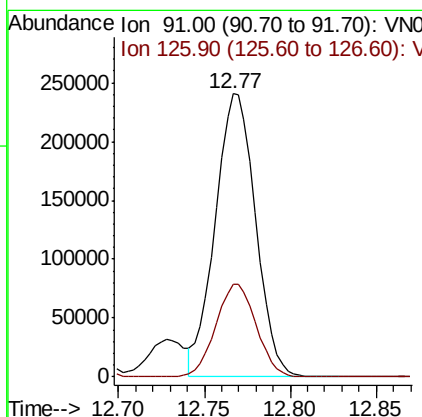
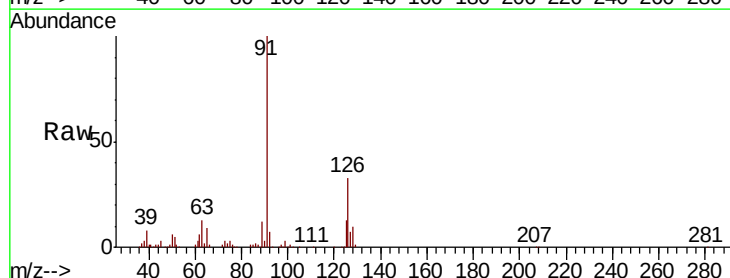
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

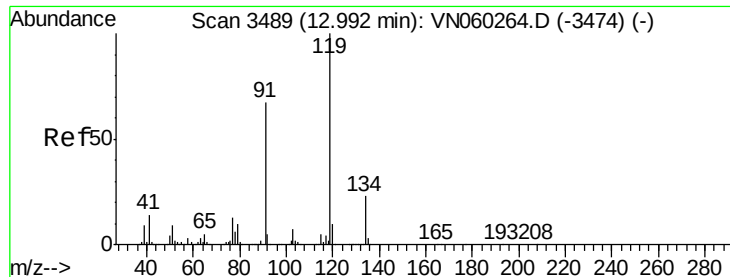
Tot Ion: 75 Resp: 61243
Ion Ratio Lower Upper
75 100
53 93.3 73.8 110.6
89 45.9 57.1 85.7#



#82
4-Chlorotoluene
Concen: 49.210 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 91 Resp: 393896
Ion Ratio Lower Upper
91 100
126 32.9 16.7 50.1

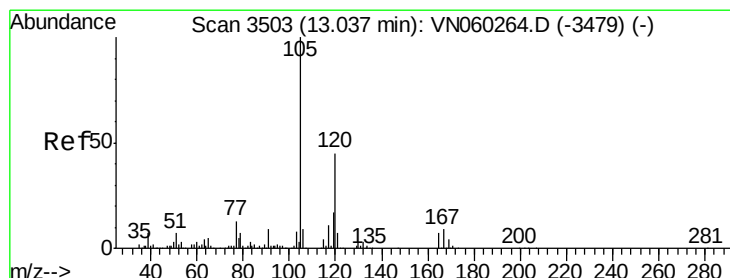
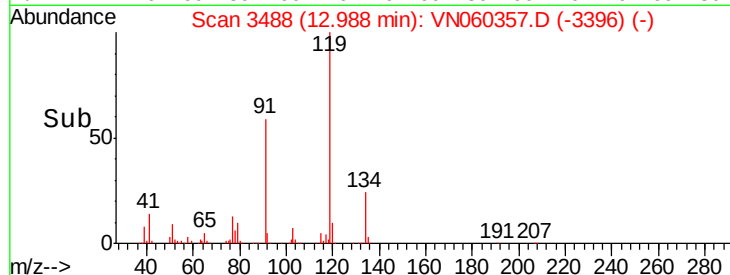
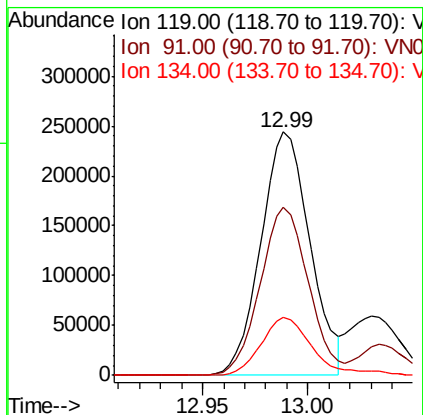
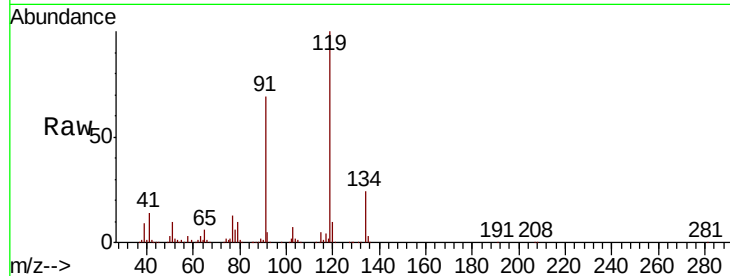




#83
 tert-Butylbenzene
 Concen: 49.317 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

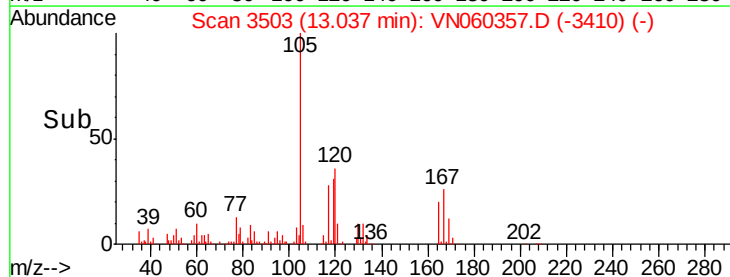
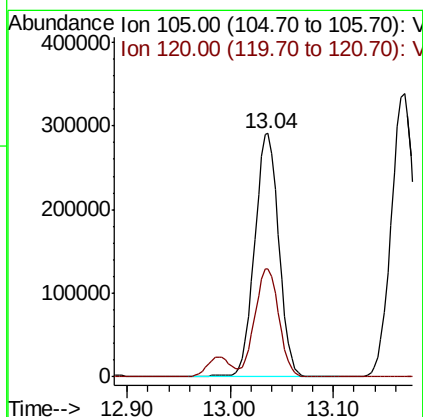
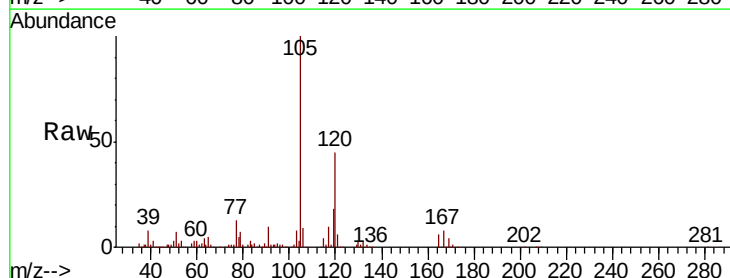
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

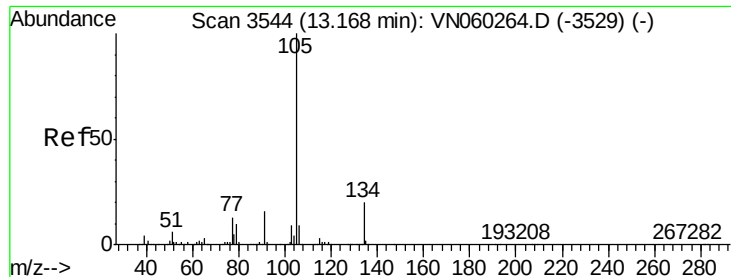
Tot Ion:119 Resp: 396395
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.1 99.2
 134 25.1 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.214 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion:105 Resp: 470520
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 50.326 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

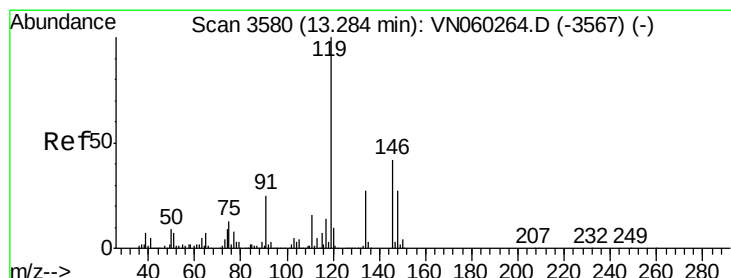
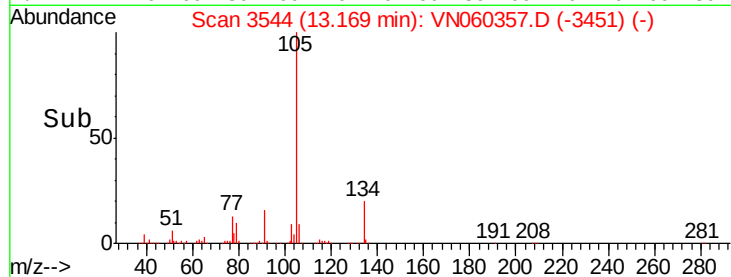
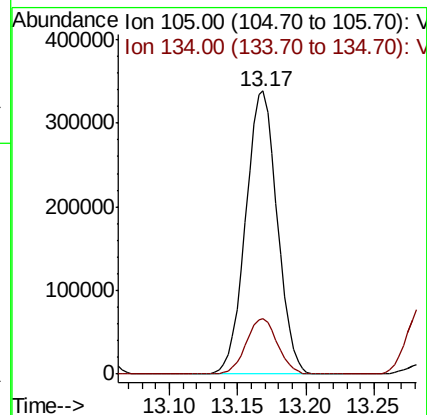
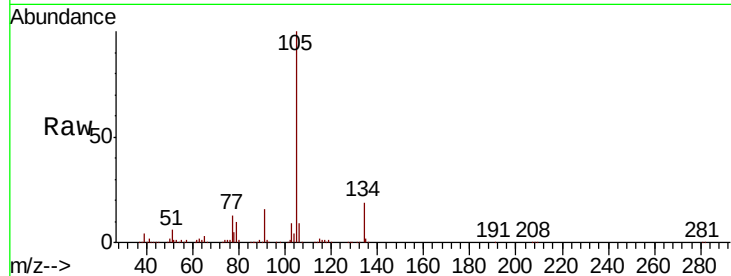
VSTDCCC050

Tot Ion:105 Resp: 541679

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 49.302 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

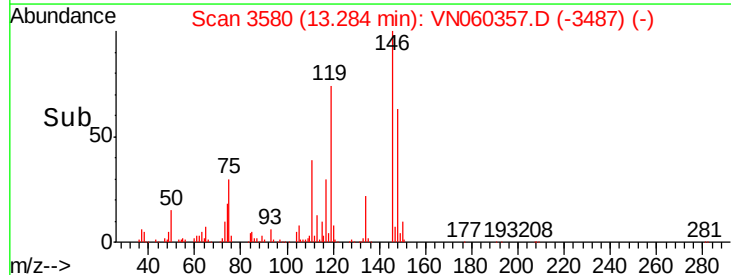
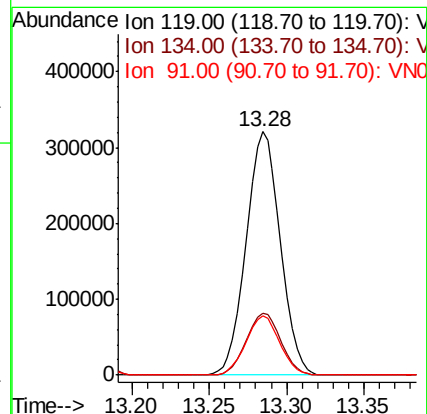
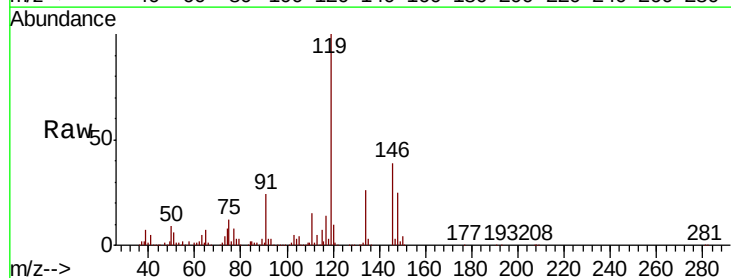
Tgt Ion:119 Resp: 491155

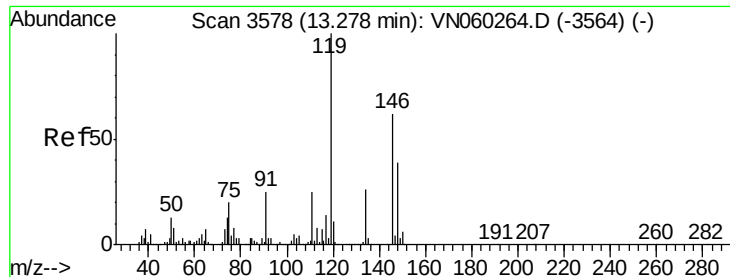
Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.6

91 24.4 12.2 36.6

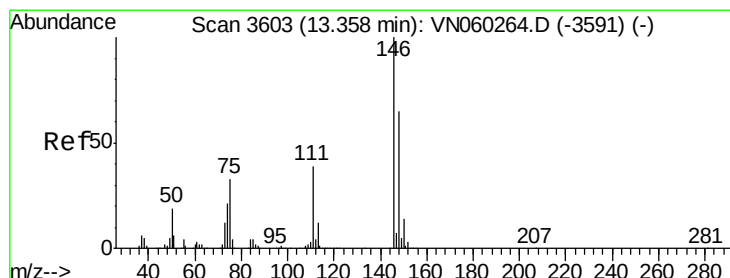
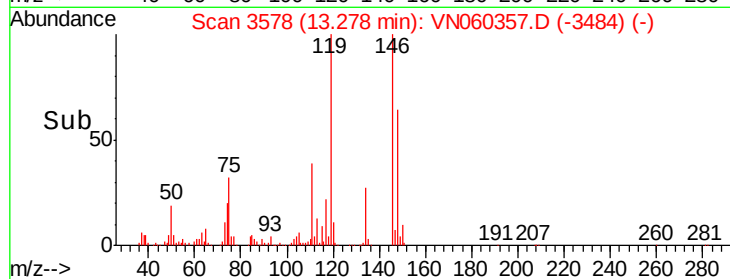
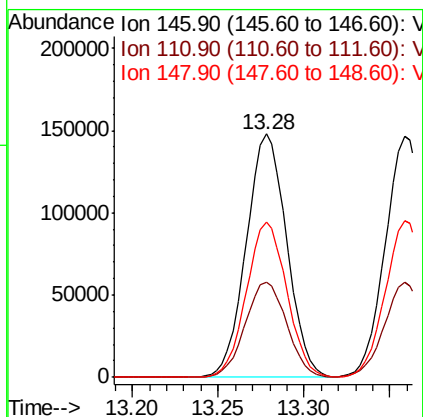
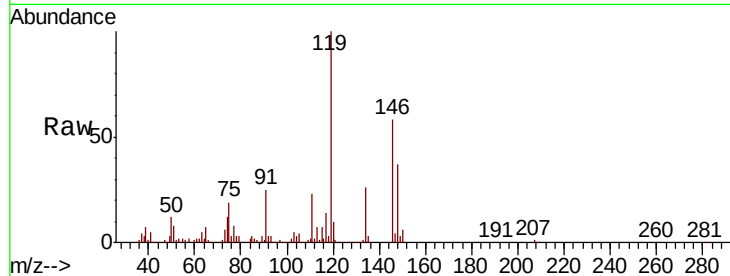




#87
 1,3-Dichlorobenzene
 Concen: 51.989 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

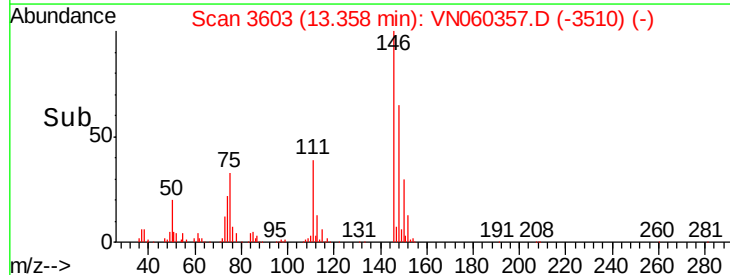
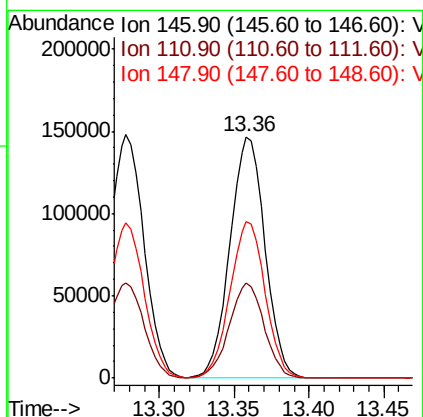
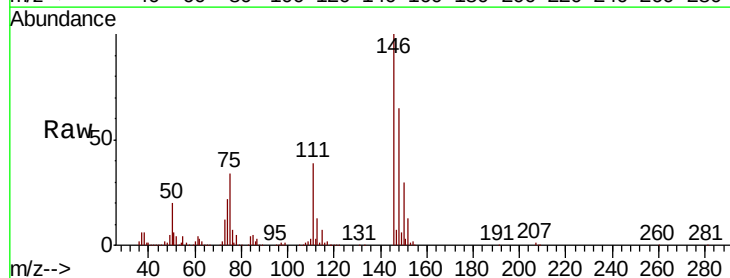
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

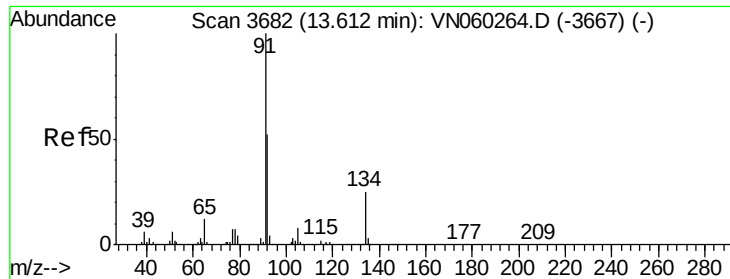
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 51.791 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	65.0	32.3	96.9

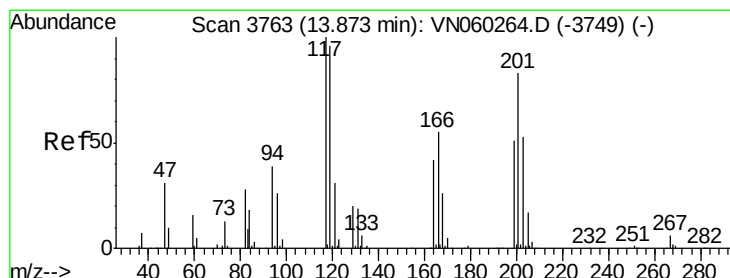
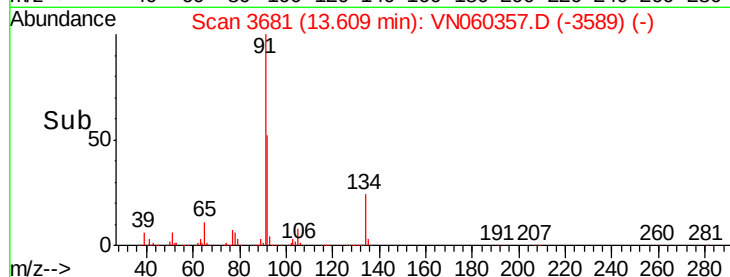
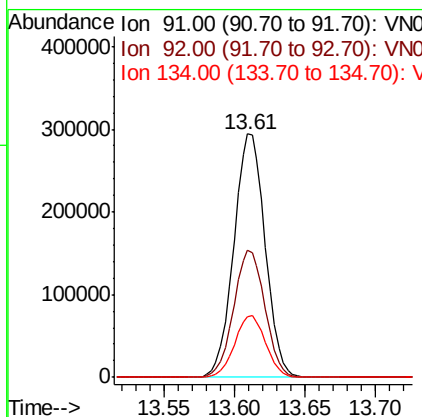
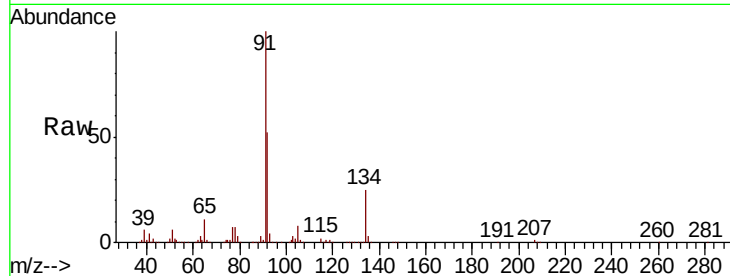




#89
n-Butylbenzene
Concen: 49.947 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

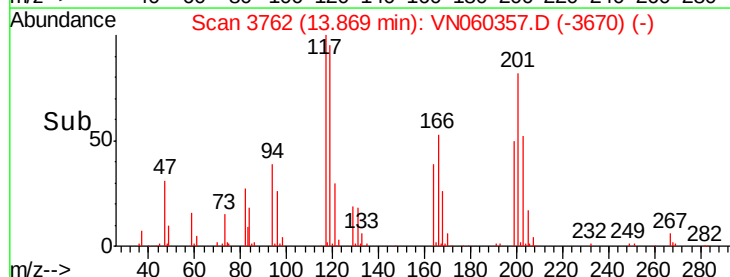
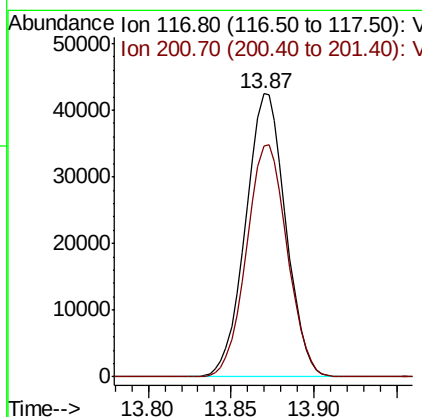
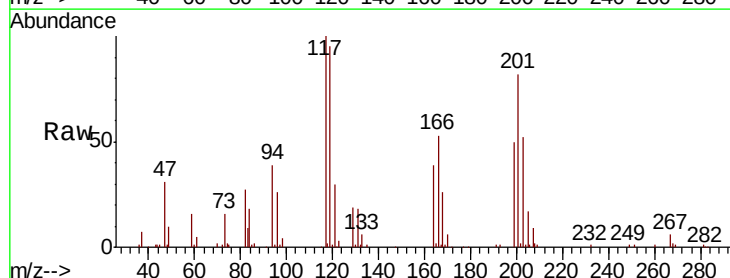
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

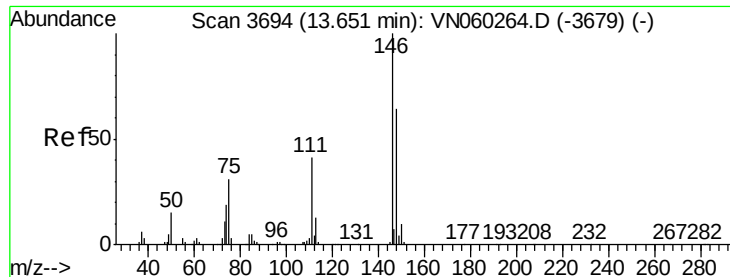
Tot Ion: 91 Resp: 456766
Ion Ratio Lower Upper
91 100
92 52.1 26.0 78.0
134 25.1 12.7 38.1



#90
Hexachloroethane
Concen: 49.456 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060357.D
Acq: 5 Mar 2020 10:43

Tgt Ion: 117 Resp: 71315
Ion Ratio Lower Upper
117 100
201 83.2 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 48.688 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

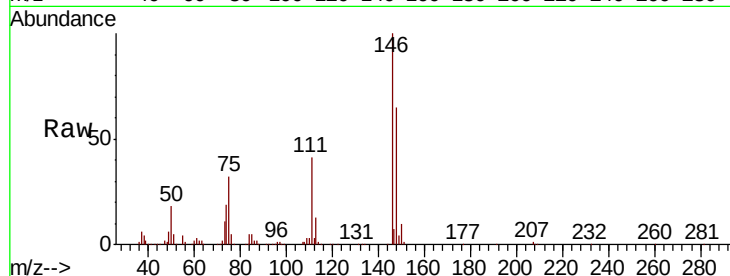
Tot Ion:146 Resp: 230587

Ion Ratio Lower Upper

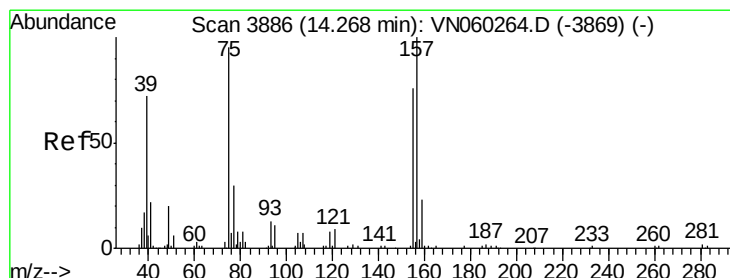
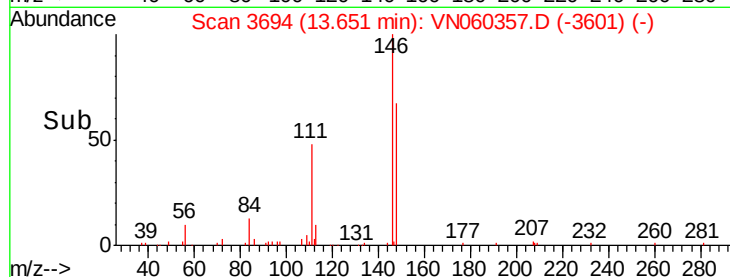
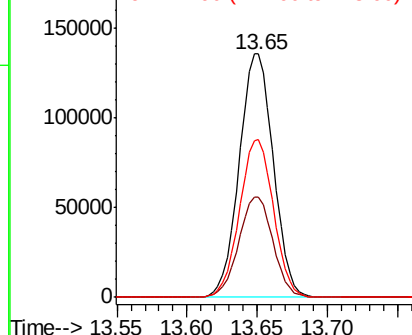
146 100

111 41.2 20.3 61.0

148 64.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.489 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

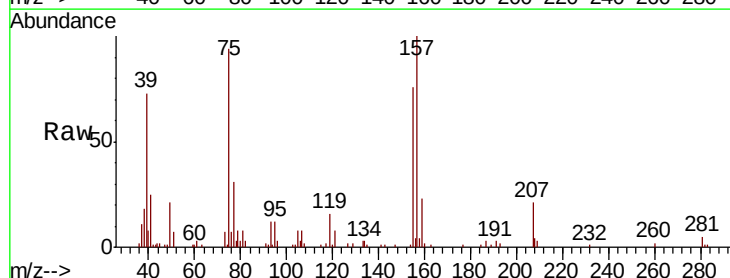
Tgt Ion: 75 Resp: 32911

Ion Ratio Lower Upper

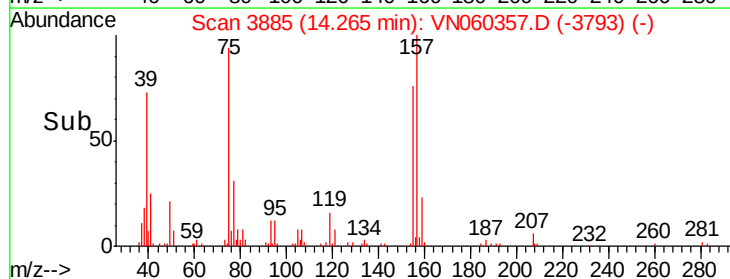
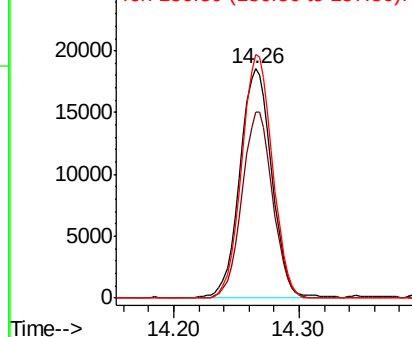
75 100

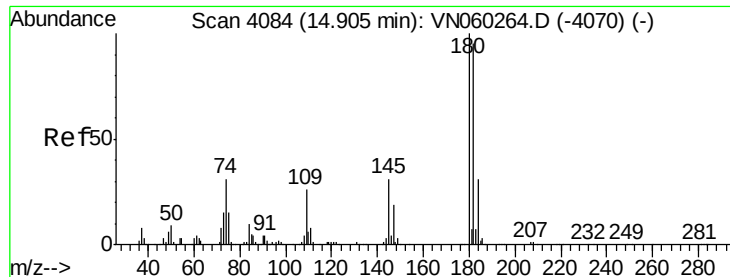
155 77.4 40.4 121.2

157 101.3 52.5 157.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

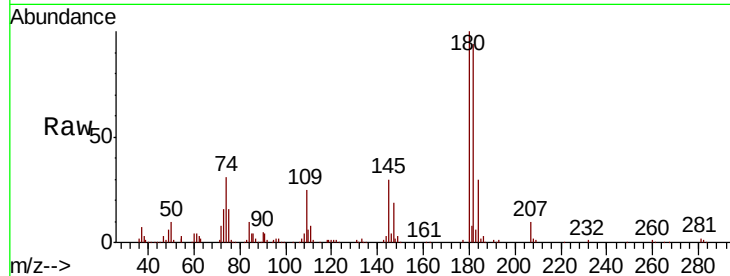




#93
 1,2,4-Trichlorobenzene
 Concen: 50.337 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	30.4	15.4	46.1

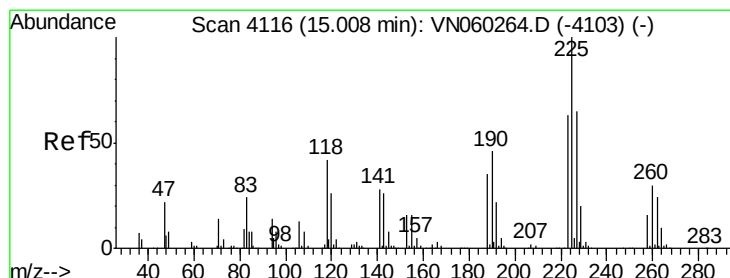
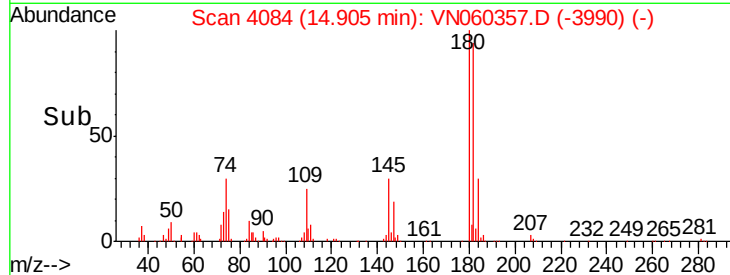
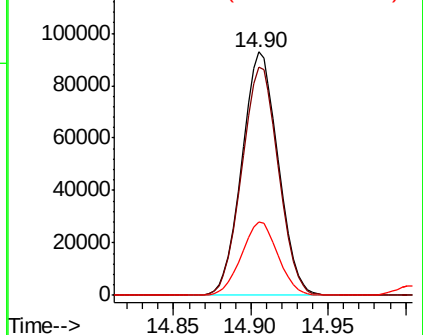


Abundance

Ion 179.80 (179.50 to 180.50): V

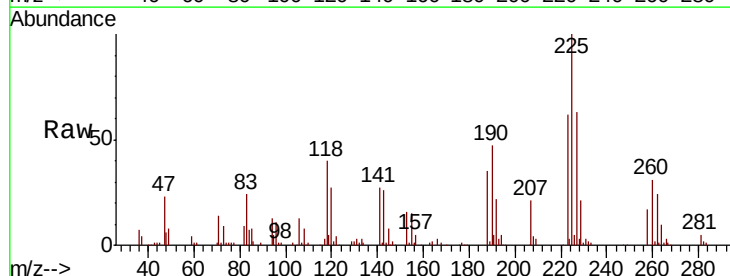
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.261 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060357.D
 Acq: 5 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.9
227	63.2	32.3	96.9

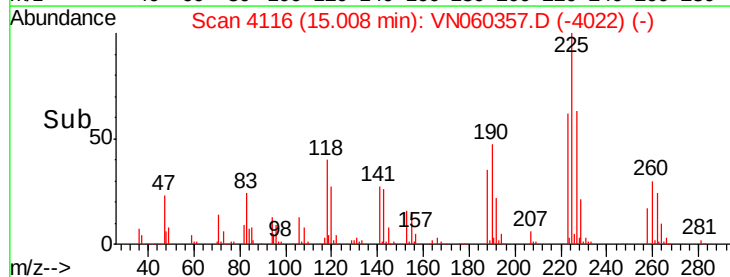
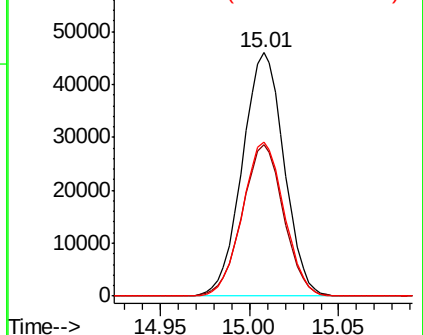


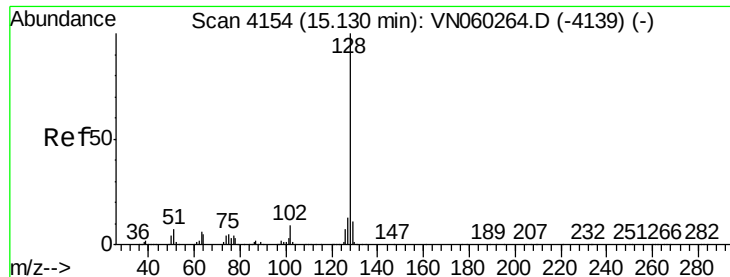
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.208 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

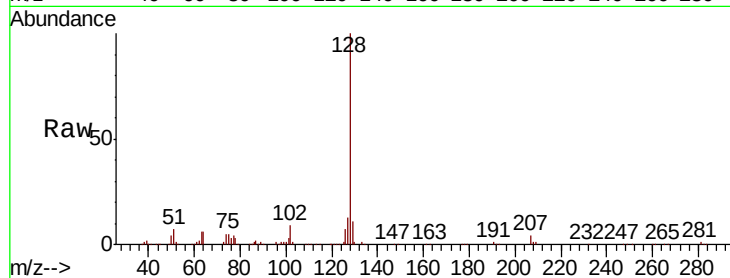
Tot Ion:128 Resp: 427392

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

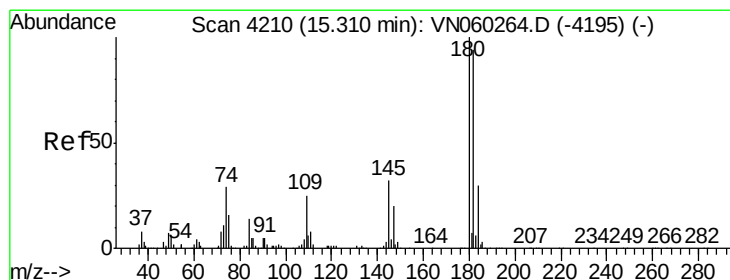
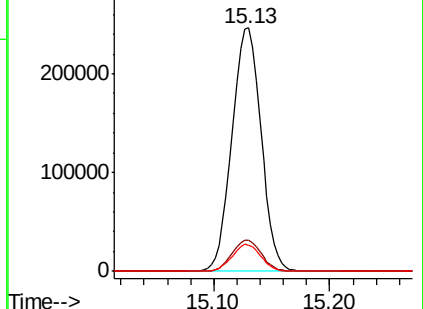
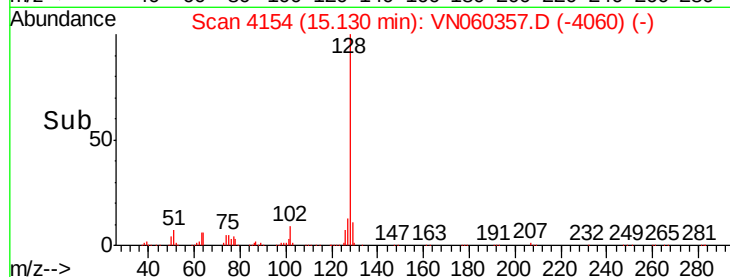
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.944 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060357.D

Acq: 5 Mar 2020 10:43

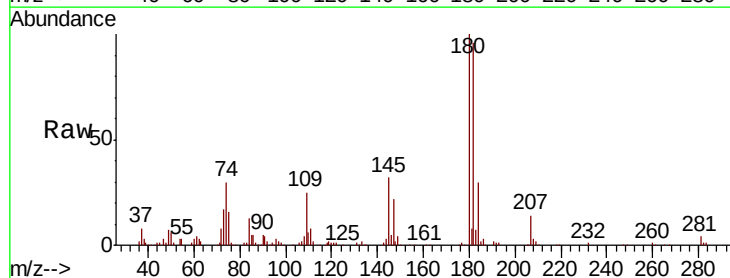
Tgt Ion:180 Resp: 141546

Ion Ratio Lower Upper

180 100

182 95.9 47.3 142.0

145 31.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

