

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064842.D
 Acq On : 25 Nov 2020 4:43
 Operator : JC/MD
 Sample : L4798-10MSD 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

Quant Time: Nov 25 06:02:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	189279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	295448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105974	48.16	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.32%
35) Dibromofluoromethane	7.55	113	92707	52.44	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.88%
50) Toluene-d8	10.06	98	362672	50.21	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.42%
62) 4-Bromofluorobenzene	12.37	95	125665	48.61	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	75705	46.149	ug/l 97
3) Chloromethane	2.04	50	96037	45.051	ug/l 99
4) Vinyl Chloride	2.17	62	107760	48.486	ug/l 98
5) Bromomethane	2.52	94	62977	43.190	ug/l 97
6) Chloroethane	2.67	64	65599	47.721	ug/l 98
7) Trichlorofluoromethane	2.99	101	144789	47.129	ug/l 96
8) Diethyl Ether	3.37	74	58804	48.491	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	87923	47.707	ug/l 99
10) Methyl Iodide	3.91	142	95014	39.747	ug/l 97
11) Tert butyl alcohol	4.75	59	73770	214.965	ug/l 99
12) 1,1-Dichloroethene	3.69	96	88501	48.218	ug/l 98
13) Acrolein	3.56	56	40607	193.721	ug/l 98
14) Allyl chloride	4.27	41	141218	46.648	ug/l 99
15) Acrylonitrile	4.93	53	229863	242.466	ug/l 100
16) Acetone	3.78	43	173662	240.076	ug/l 97
17) Carbon Disulfide	4.01	76	227159	47.933	ug/l 100
18) Methyl Acetate	4.28	43	103394	47.541	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	289447	49.170	ug/l 100
20) Methylene Chloride	4.50	84	104253	45.993	ug/l 97
21) trans-1,2-Dichloroethene	4.99	96	95214	46.714	ug/l 99
22) Diisopropyl ether	5.90	45	304420	50.240	ug/l 98
23) Vinyl Acetate	5.85	43	1223827	252.571	ug/l 100
24) 1,1-Dichloroethane	5.79	63	178350	49.251	ug/l 99
25) 2-Butanone	6.79	43	283672	241.915	ug/l 99
26) 2,2-Dichloropropane	6.78	77	122719	39.073	ug/l 96
27) cis-1,2-Dichloroethene	6.78	96	150770	65.736	ug/l 95
28) Bromochloromethane	7.15	49	80785	48.765	ug/l 97
29) Tetrahydrofuran	7.17	42	190420	235.248	ug/l 99
30) Chloroform	7.33	83	181065	48.486	ug/l 100
31) Cyclohexane	7.61	56	141679	46.195	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	155195	48.387	ug/l 100
36) 1,1-Dichloropropene	7.75	75	134133	48.980	ug/l 99
37) Ethyl Acetate	6.88	43	123364	46.766	ug/l 100
38) Carbon Tetrachloride	7.73	117	139132	48.828	ug/l 99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	146274	49.618	ug/l	97
40) Benzene	8.00	78	412534	49.159	ug/l	99
41) Methacrylonitrile	7.13	41	59788	49.120	ug/l	88
42) 1,2-Dichloroethane	8.08	62	133062	47.003	ug/l	99
43) Isopropyl Acetate	8.13	43	199943	47.104	ug/l	100
44) Trichloroethene	8.80	130	353352	142.711	ug/l	96
45) 1,2-Dichloropropane	9.08	63	109652	50.457	ug/l	97
46) Dibromomethane	9.17	93	72098	49.660	ug/l	98
47) Bromodichloromethane	9.37	83	143995	49.292	ug/l	100
48) Methyl methacrylate	9.17	41	96829	47.739	ug/l	97
49) 1,4-Dioxane	9.16	88	35916	936.897	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	609146	239.039	ug/l	100
52) Toluene	10.12	92	259069	50.130	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	153682	47.233	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	170425	48.867	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	104152	49.010	ug/l	98
56) Ethyl methacrylate	10.40	69	146136	49.832	ug/l	100
57) 1,3-Dichloropropane	10.68	76	174740	49.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	408447	253.201	ug/l	100
59) 2-Hexanone	10.72	43	441019	240.471	ug/l	100
60) Dibromochloromethane	10.87	129	118725	50.259	ug/l	97
61) 1,2-Dibromoethane	10.97	107	106964	49.542	ug/l	100
64) Tetrachloroethene	10.60	164	115177	43.658	ug/l	98
65) Chlorobenzene	11.41	112	284130	48.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	107326	50.151	ug/l	100
67) Ethyl Benzene	11.48	91	493999	50.781	ug/l	100
68) m/p-Xylenes	11.59	106	378910	102.877	ug/l	100
69) o-Xylene	11.92	106	182061	52.090	ug/l	100
70) Styrene	11.94	104	313148	53.073	ug/l	99
71) Bromoform	12.10	173	83184	48.666	ug/l #	99
73) Isopropylbenzene	12.22	105	481179	50.958	ug/l	100
74) N-amyl acetate	12.04	43	174589	46.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	136124	49.184	ug/l	97
76) 1,2,3-Trichloropropane	12.52	75	184133	62.982	ug/l #	100
77) Bromobenzene	12.50	156	122789	48.233	ug/l	98
78) n-propylbenzene	12.56	91	540615	50.257	ug/l	99
79) 2-Chlorotoluene	12.65	91	321392	48.334	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	406188	51.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	44967	42.155	ug/l	95
82) 4-Chlorotoluene	12.75	91	337397	48.408	ug/l	99
83) tert-Butylbenzene	12.96	119	346965	52.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	411423	51.845	ug/l	99
85) sec-Butylbenzene	13.14	105	448742	51.374	ug/l	100
86) p-Isopropyltoluene	13.26	119	421365	52.986	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	217356	48.057	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	219083	45.803	ug/l	99
89) n-Butylbenzene	13.59	91	338721	48.502	ug/l	99
90) Hexachloroethane	13.85	117	73190	52.979	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	215830	48.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26591	42.700	ug/l	96

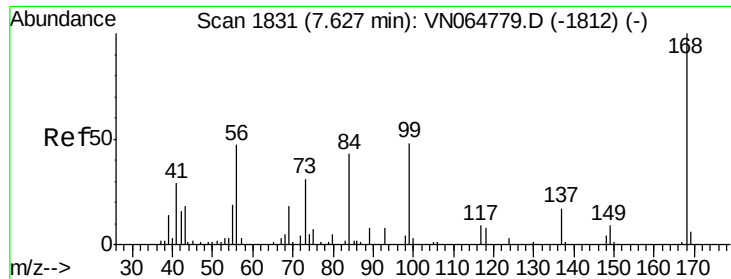
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	123543	44.970	ug/l	100
94) Hexachlorobutadiene	14.98	225	58104	46.990	ug/l	98
95) Naphthalene	15.10	128	383296	46.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	123170	47.257	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

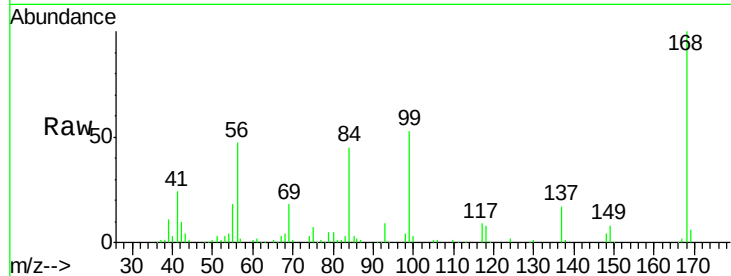
56BR-20201118MSD

Tot Ion:168 Resp: 189279

Ion Ratio Lower Upper

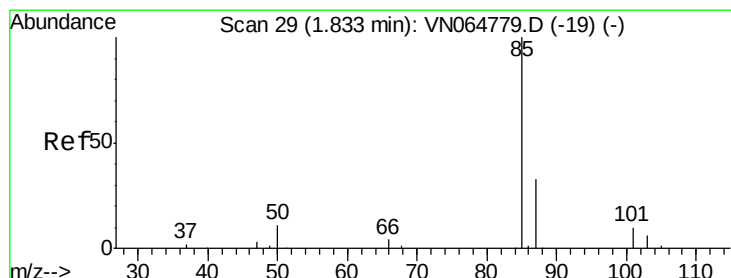
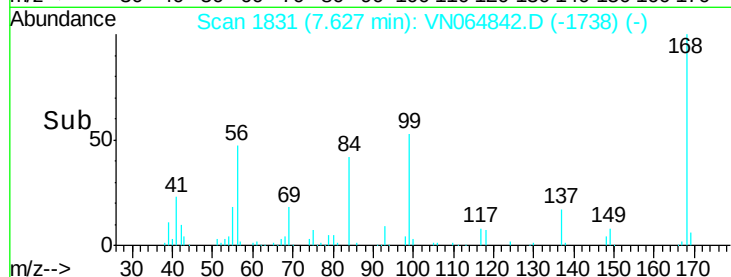
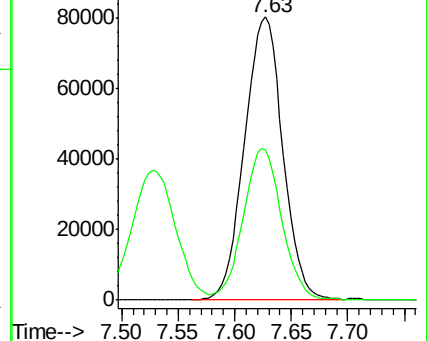
168 100

99 52.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.149 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064842.D

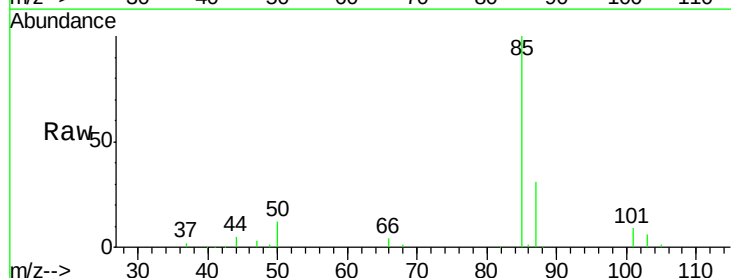
Acq: 25 Nov 2020 4:43

Tgt Ion: 85 Resp: 75705

Ion Ratio Lower Upper

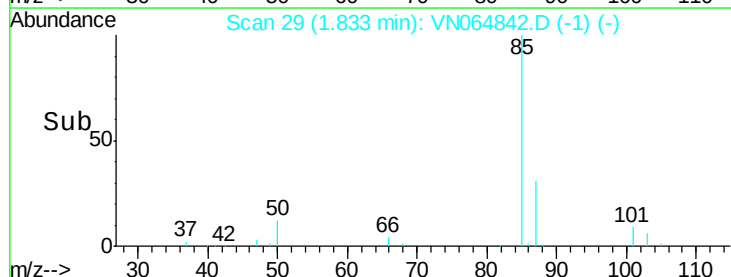
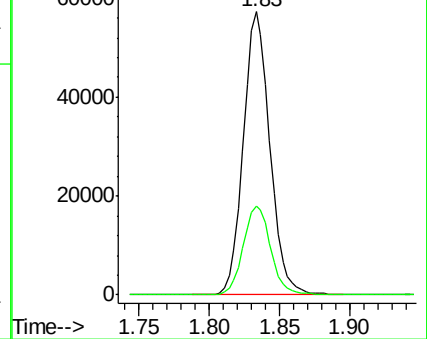
85 100

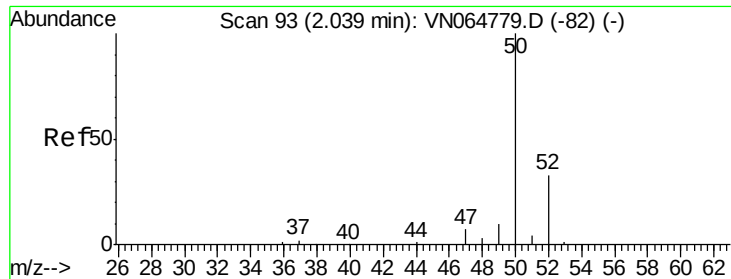
87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.051 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

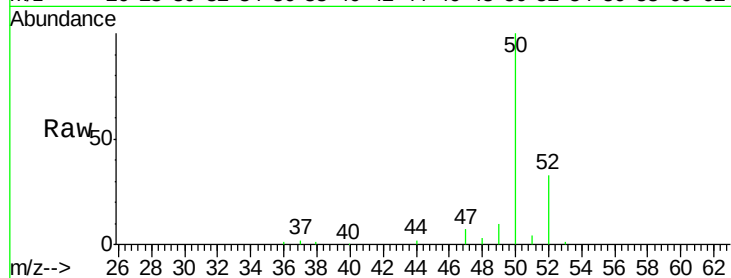
56BR-20201118MSD

Tot Ion: 50 Resp: 96037

Ion Ratio Lower Upper

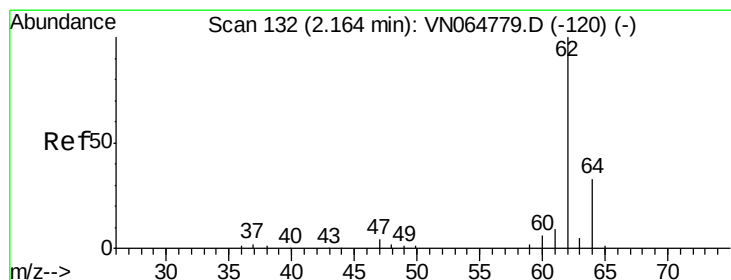
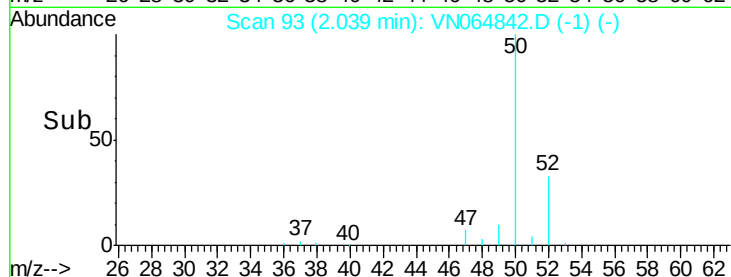
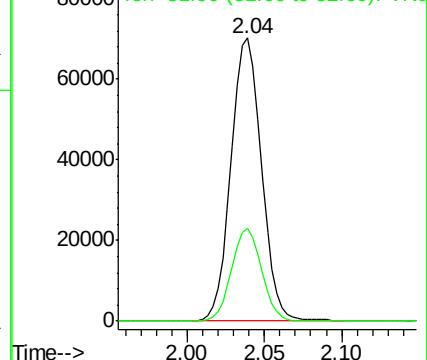
50 100

52 32.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.486 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064842.D

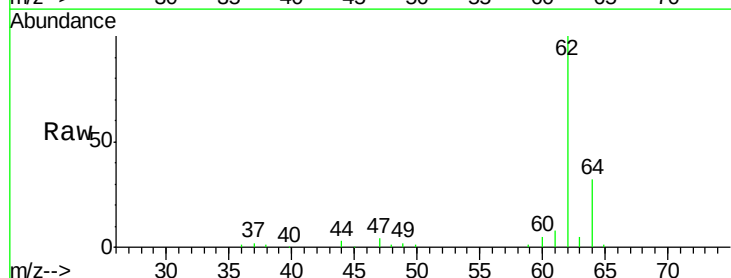
Acq: 25 Nov 2020 4:43

Tgt Ion: 62 Resp: 107760

Ion Ratio Lower Upper

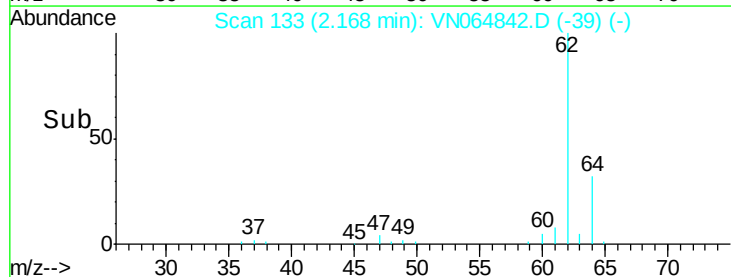
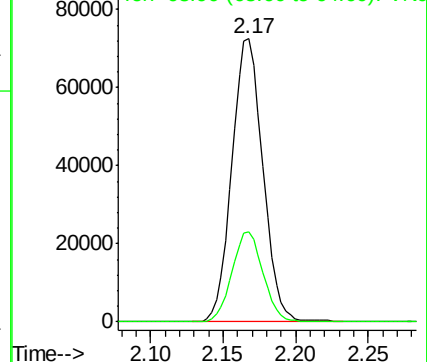
62 100

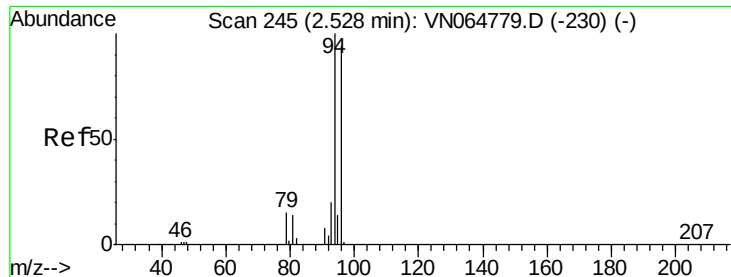
64 31.8 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.190 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

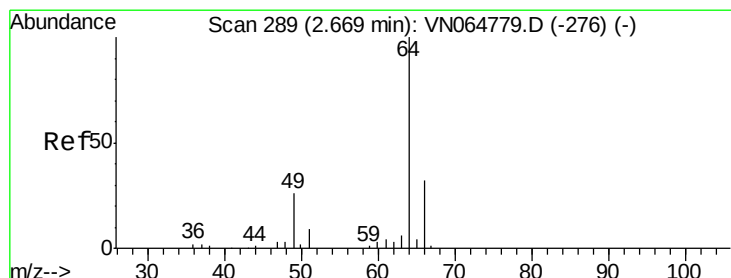
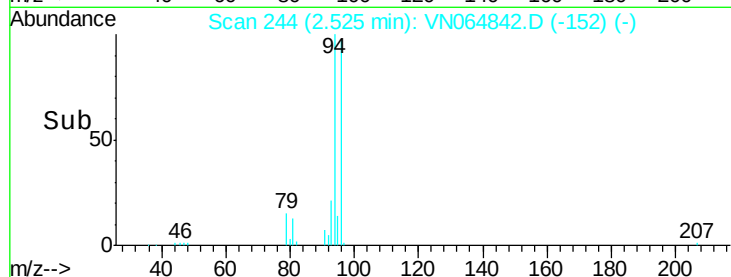
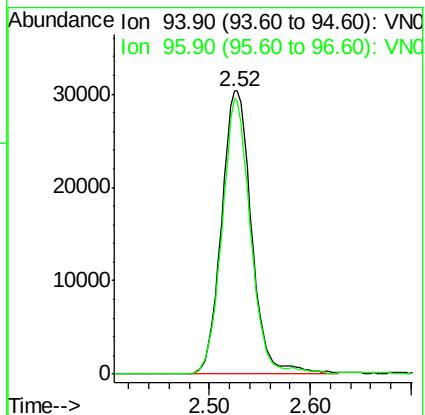
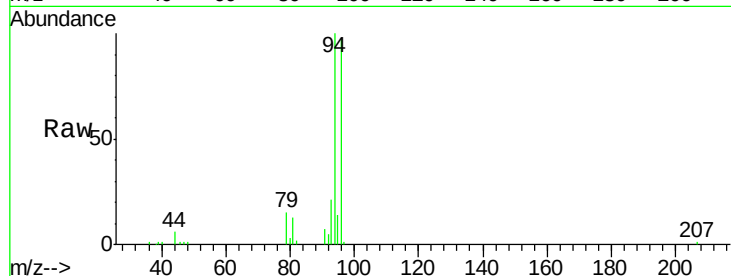
56BR-20201118MSD

Tot Ion: 94 Resp: 62977

Ion Ratio Lower Upper

94 100

96 97.4 75.4 113.0



#6

Chloroethane

Concen: 47.721 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064842.D

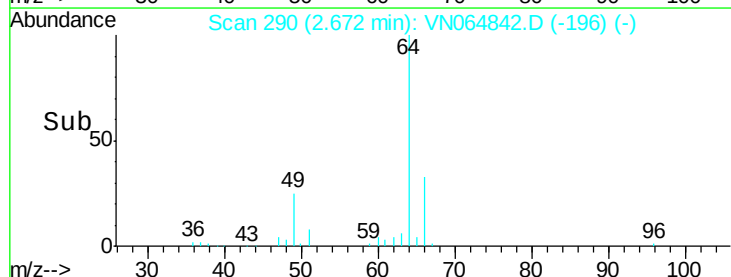
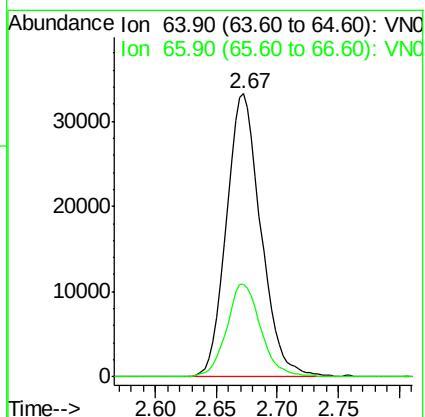
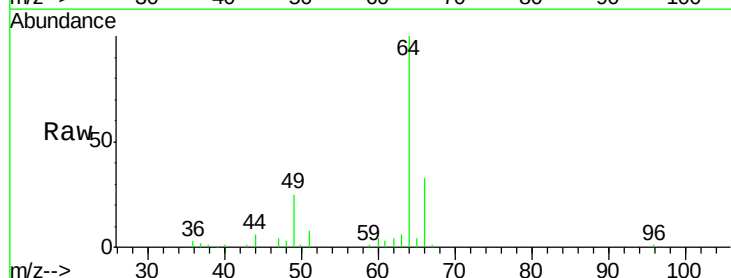
Acq: 25 Nov 2020 4:43

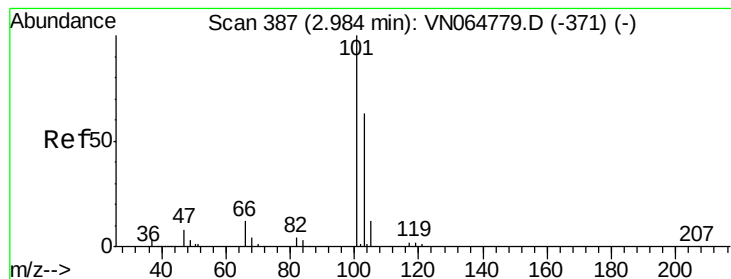
Tgt Ion: 64 Resp: 65599

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4



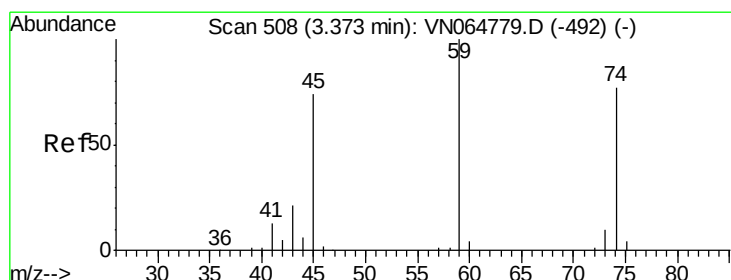
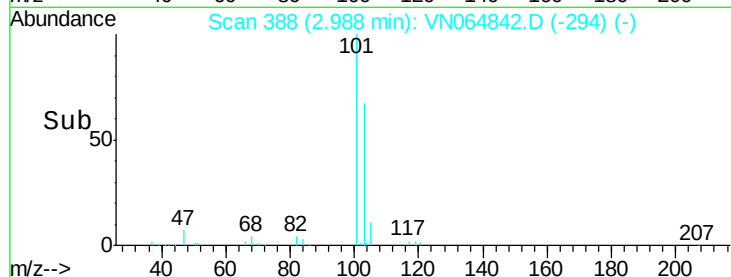
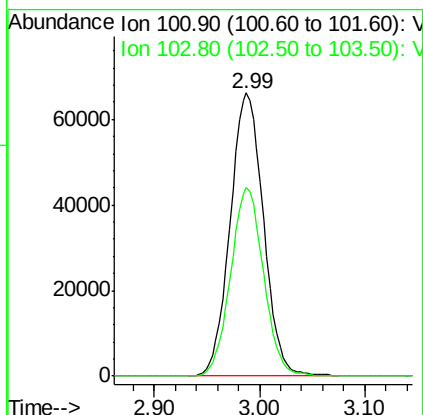
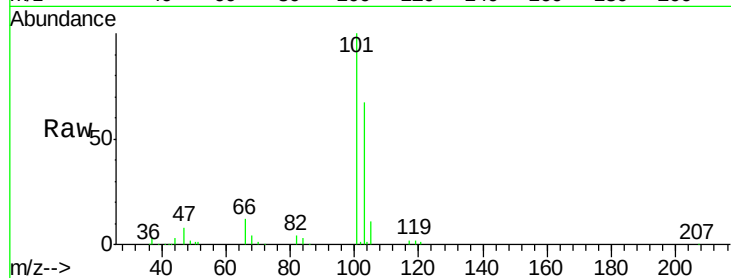


#7

Trichlorofluoromethane
Concen: 47.129 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
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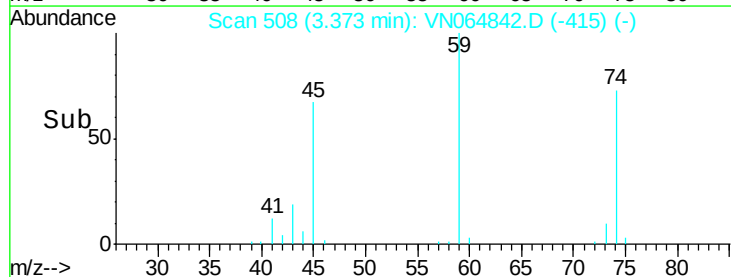
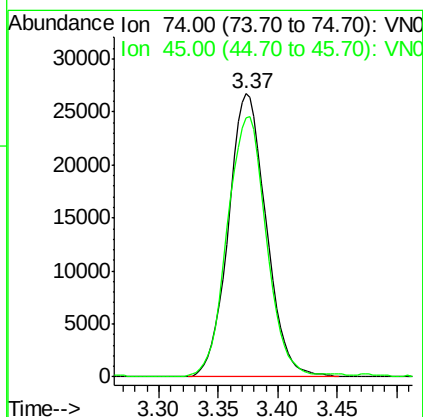
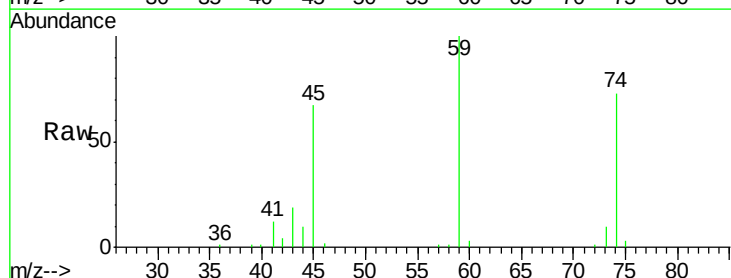
Tot Ion:101 Resp: 144789
Ion Ratio Lower Upper
101 100
103 66.5 50.5 75.7

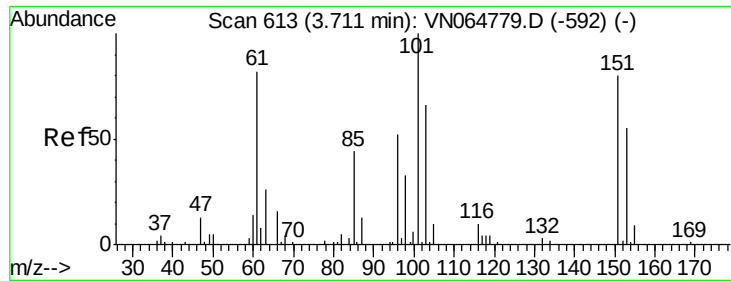


#8

Diethyl Ether
Concen: 48.491 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 74 Resp: 58804
Ion Ratio Lower Upper
74 100
45 95.2 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.707 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

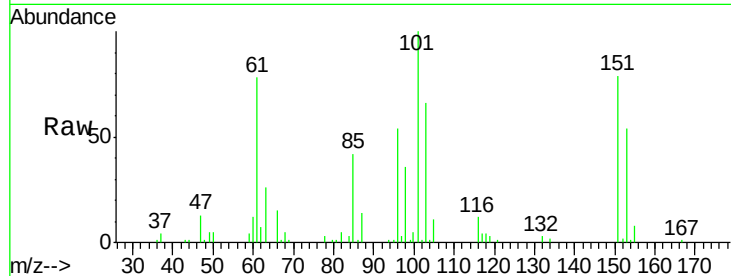
Tot Ion:101 Resp: 87923

Ion Ratio Lower Upper

101 100

85 42.0 34.4 51.6

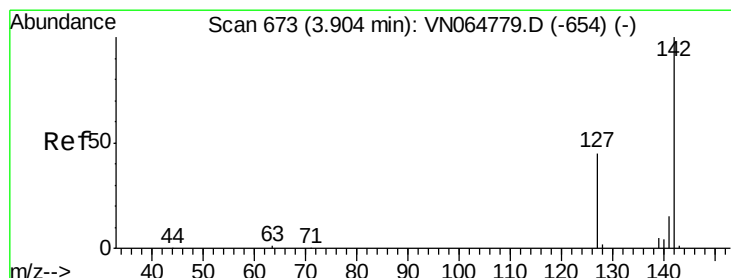
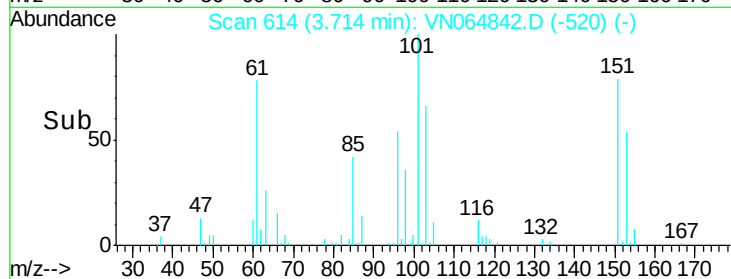
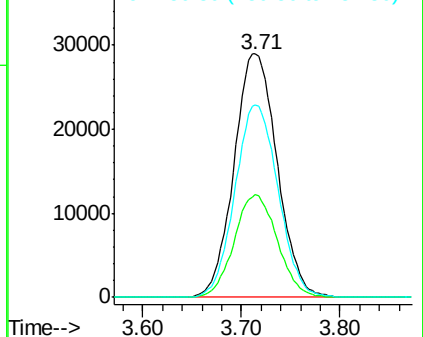
151 79.1 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.747 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

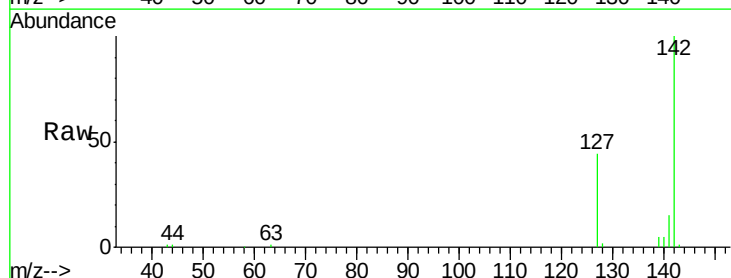
Tgt Ion:142 Resp: 95014

Ion Ratio Lower Upper

142 100

127 42.0 35.0 52.6

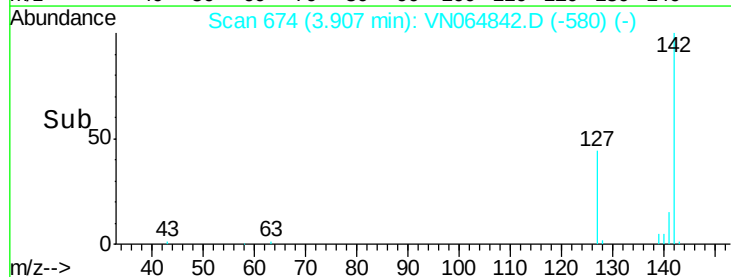
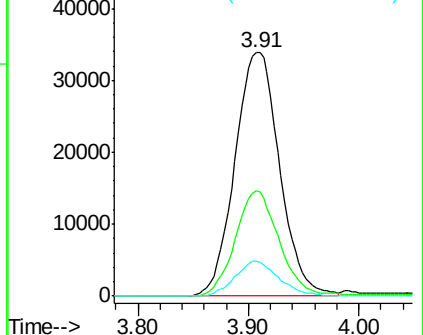
141 13.9 11.8 17.6

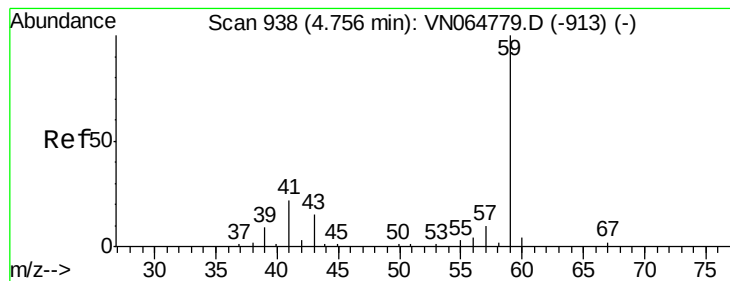


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



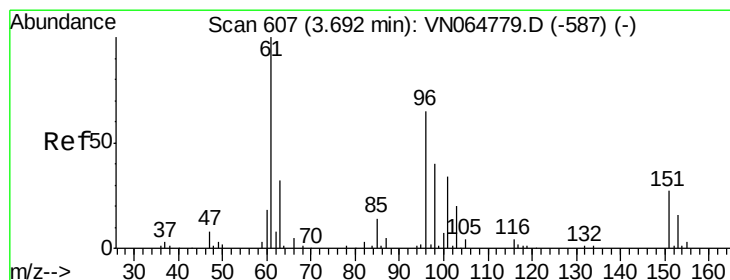
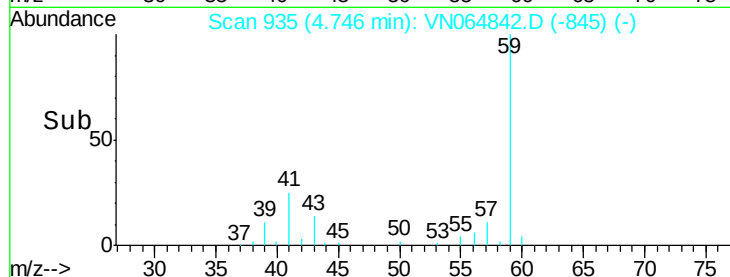
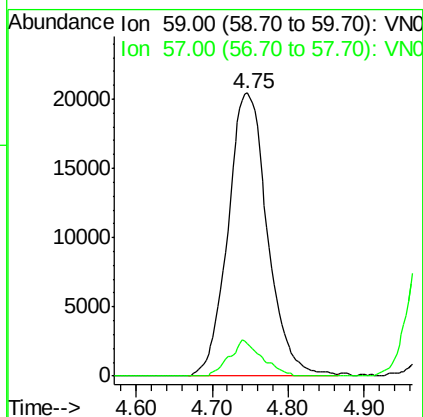
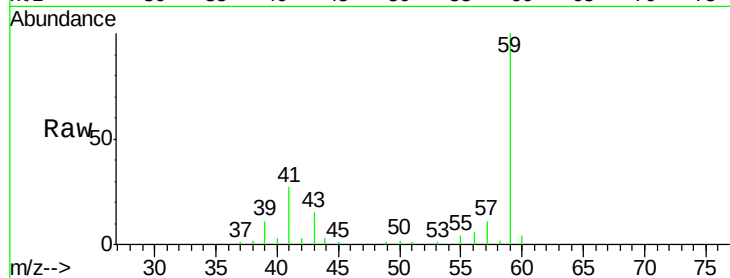


#11

Tert butyl alcohol
 Concen: 214.965 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

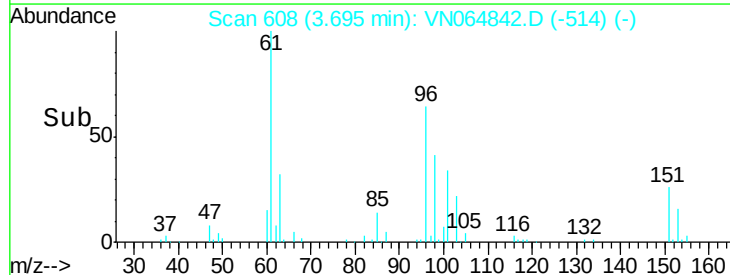
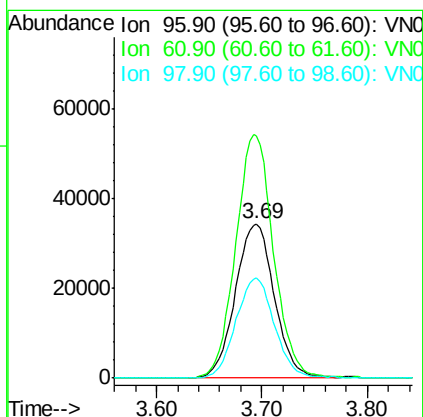
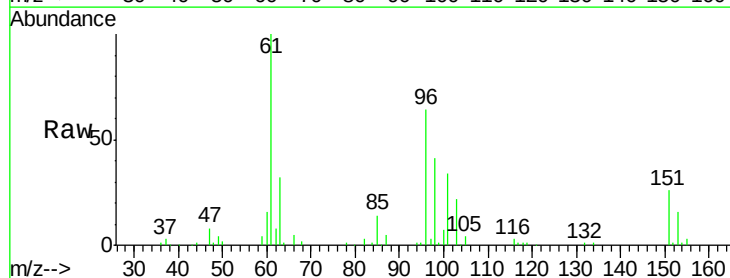
Tot Ion: 59 Resp: 73770
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.9 11.9

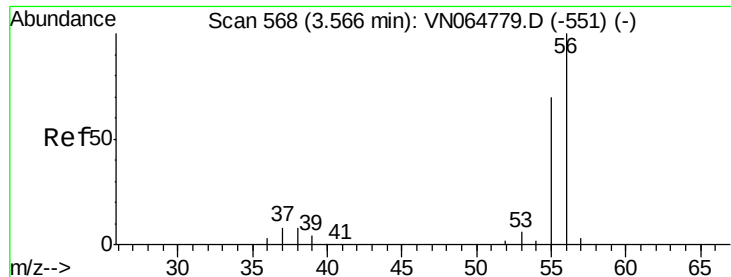


#12

1,1-Dichloroethene
 Concen: 48.218 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 96 Resp: 88501
 Ion Ratio Lower Upper
 96 100
 61 156.7 123.4 185.2
 98 64.6 49.8 74.8





#13

Acrolein

Concen: 193.721 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

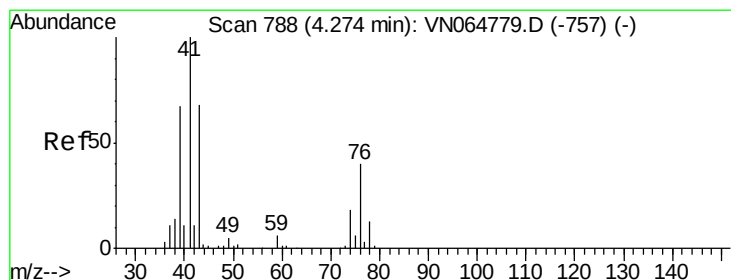
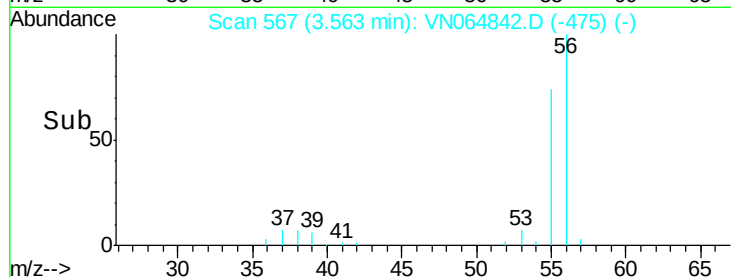
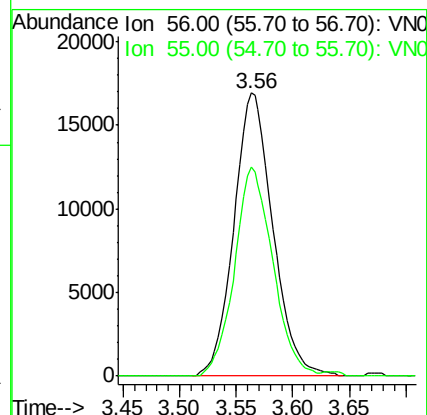
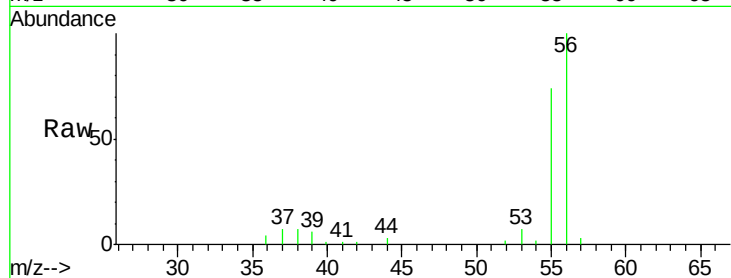
56BR-20201118MSD

Tot Ion: 56 Resp: 40607

Ion Ratio Lower Upper

56 100

55 72.5 56.5 84.7



#14

Allyl chloride

Concen: 46.648 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

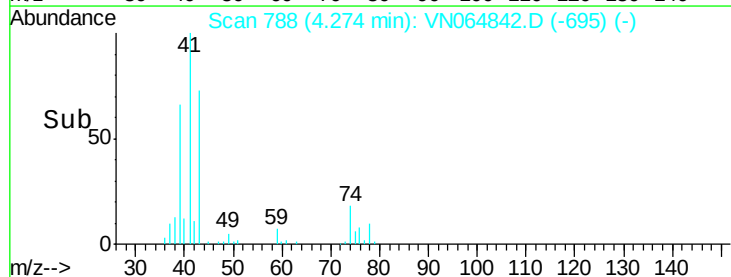
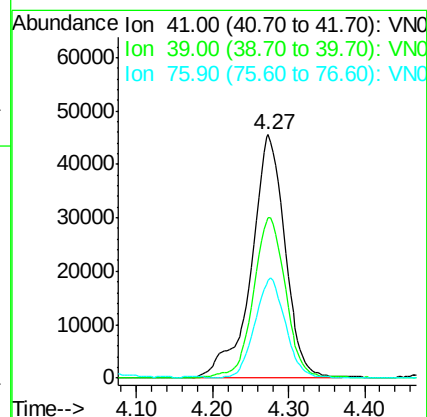
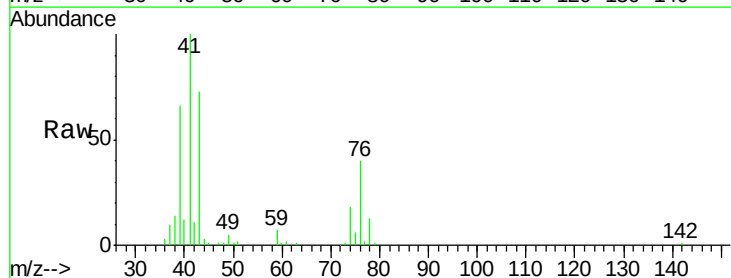
Tgt Ion: 41 Resp: 141218

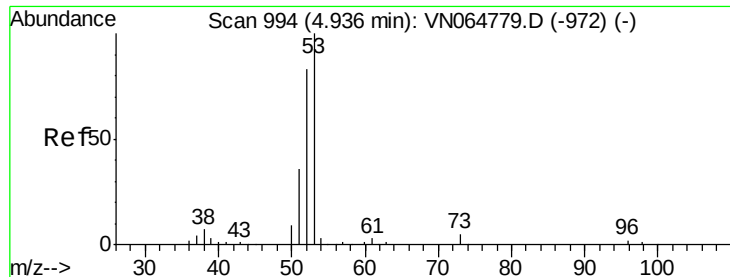
Ion Ratio Lower Upper

41 100

39 62.7 50.9 76.3

76 36.1 29.0 43.4





#15

Acrylonitrile

Concen: 242.466 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

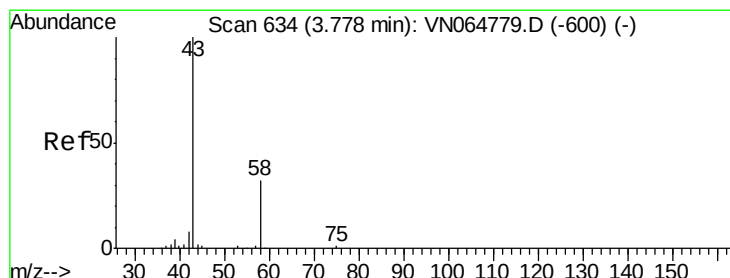
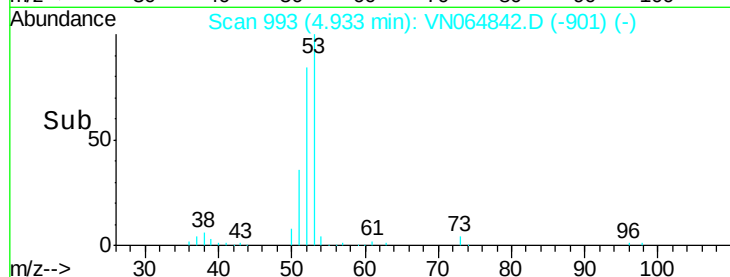
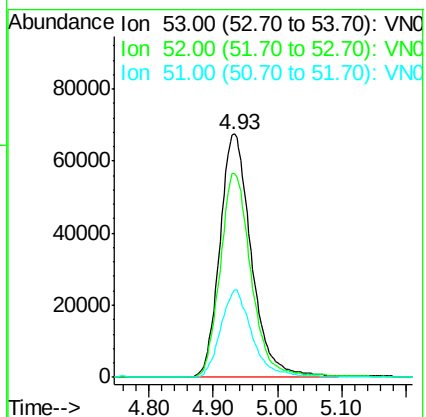
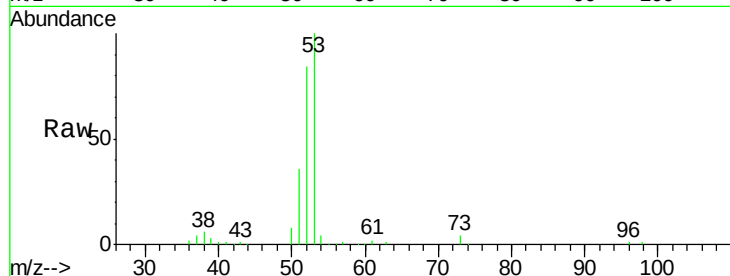
Tot Ion: 53 Resp: 229863

Ion Ratio Lower Upper

53 100

52 81.7 65.5 98.3

51 35.9 28.6 43.0



#16

Acetone

Concen: 240.076 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064842.D

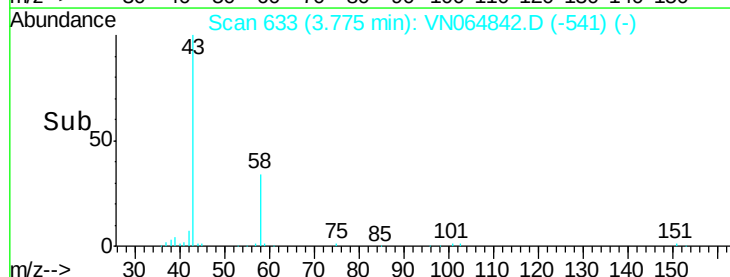
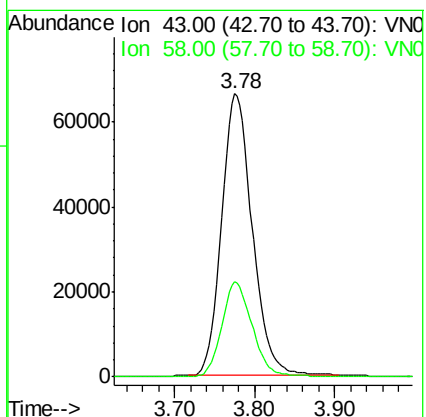
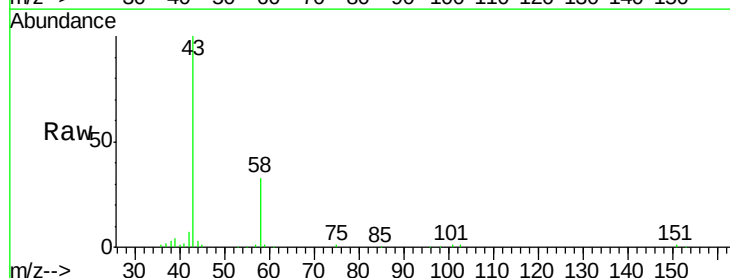
Acq: 25 Nov 2020 4:43

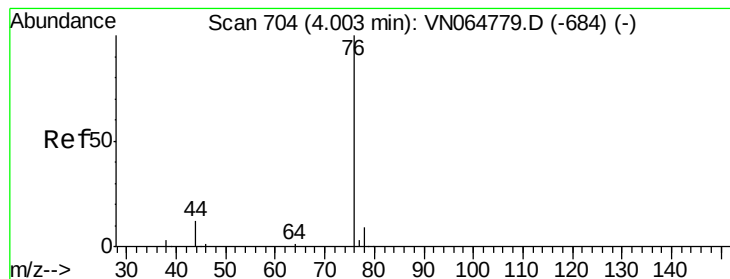
Tgt Ion: 43 Resp: 173662

Ion Ratio Lower Upper

43 100

58 33.7 25.7 38.5





#17

Carbon Disulfide

Concen: 47.933 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

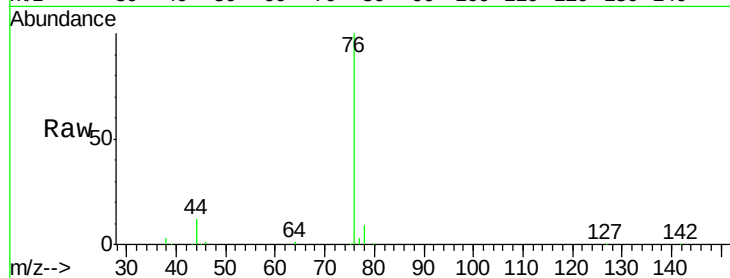
56BR-20201118MSD

Tot Ion: 76 Resp: 227159

Ion Ratio Lower Upper

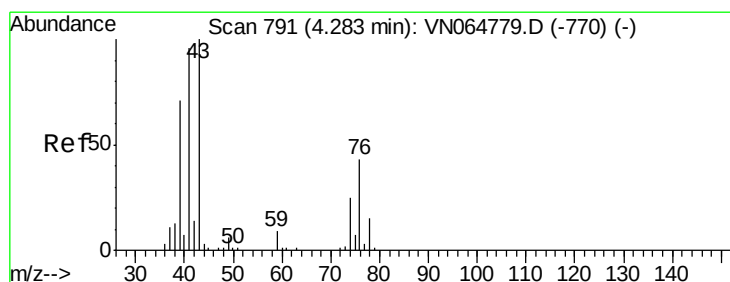
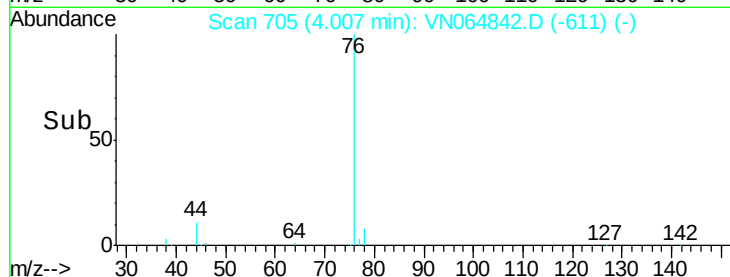
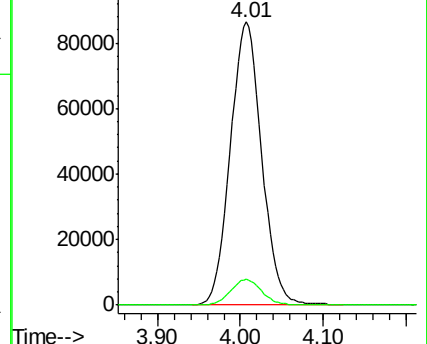
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN064842.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN064842.D (-611) (-)



#18

Methyl Acetate

Concen: 47.541 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064842.D

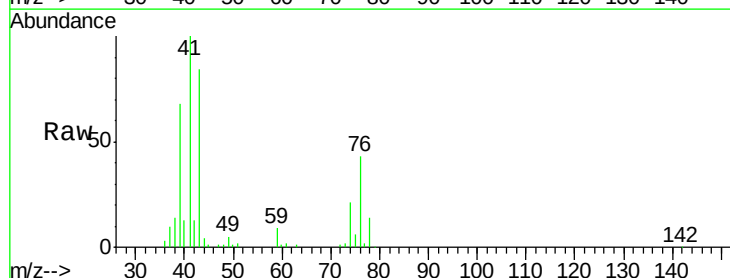
Acq: 25 Nov 2020 4:43

Tgt Ion: 43 Resp: 103394

Ion Ratio Lower Upper

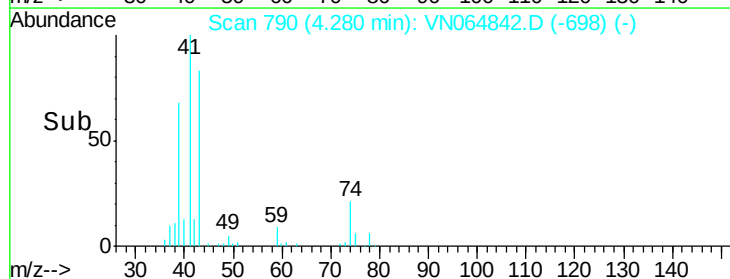
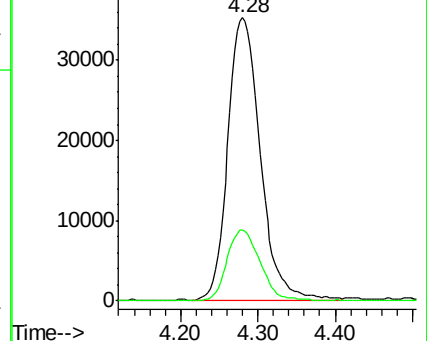
43 100

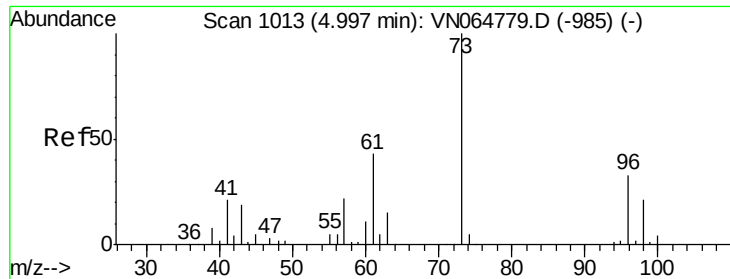
74 25.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064842.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064842.D (-698) (-)

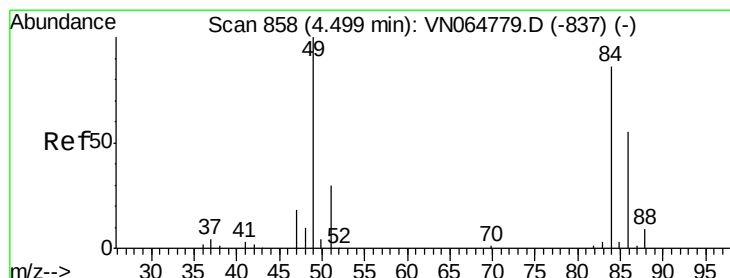
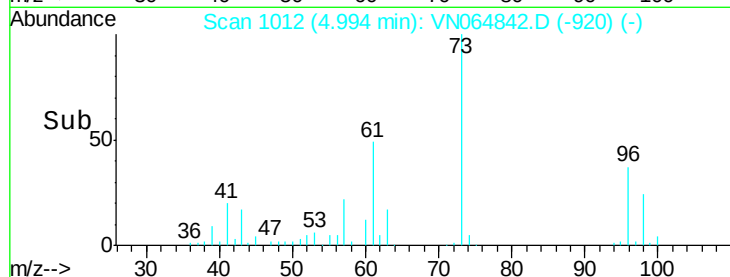
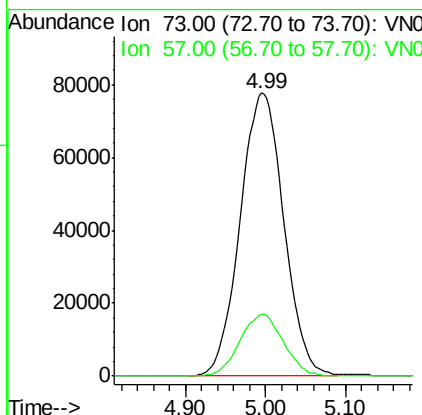
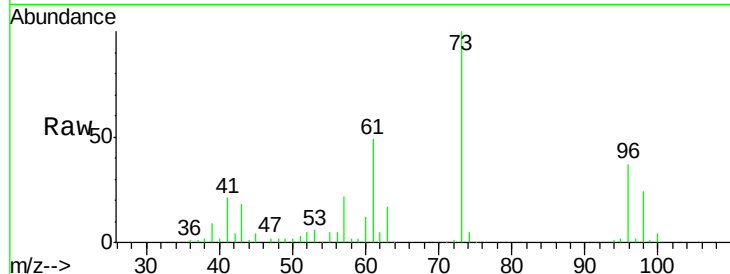




#19
Methvl tert-butvl Ether
Concen: 49.170 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

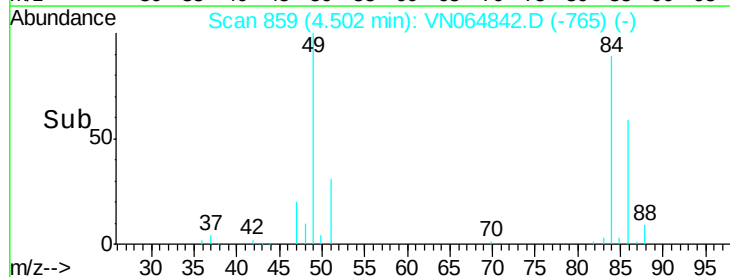
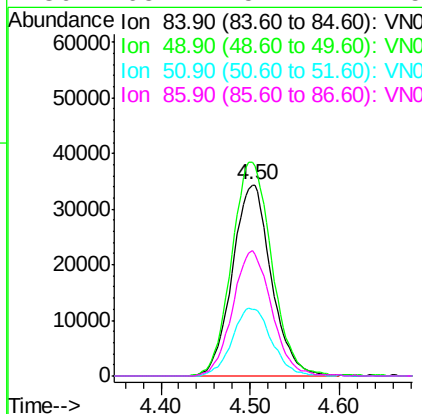
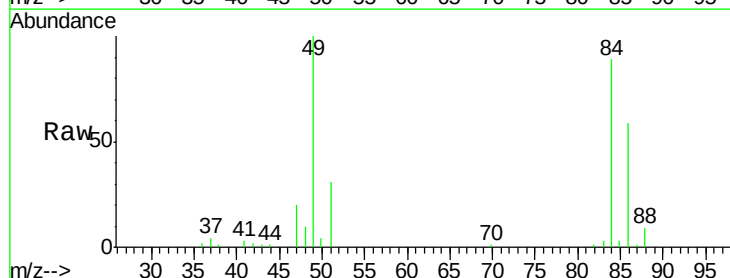
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

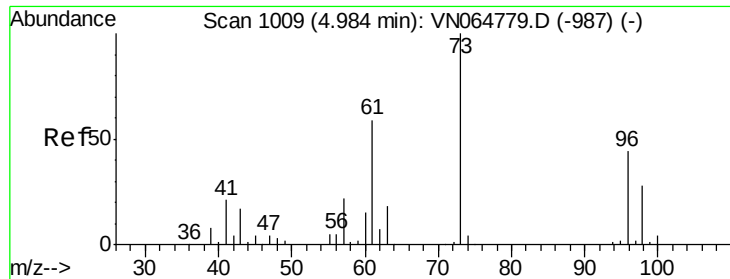
Tot Ion: 73 Resp: 289447
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0



#20
Methylene Chloride
Concen: 45.993 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 84 Resp: 104253
Ion Ratio Lower Upper
84 100
49 111.8 93.4 140.0
51 35.1 28.2 42.4
86 65.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.714 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

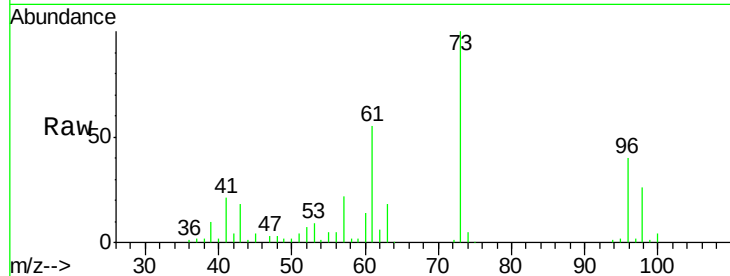
Tot Ion: 96 Resp: 95214

Ion Ratio Lower Upper

96 100

61 136.4 108.4 162.6

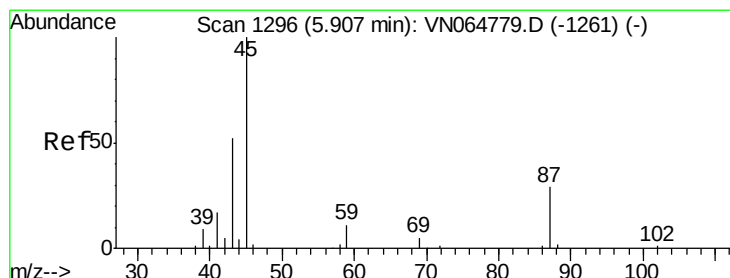
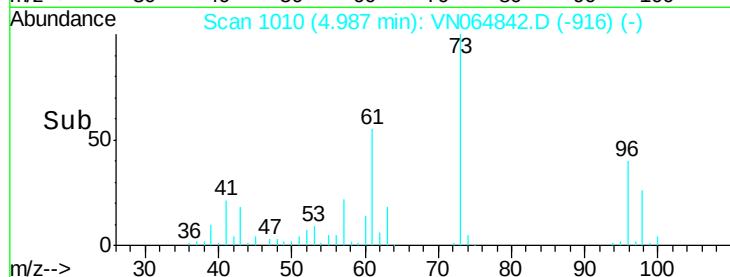
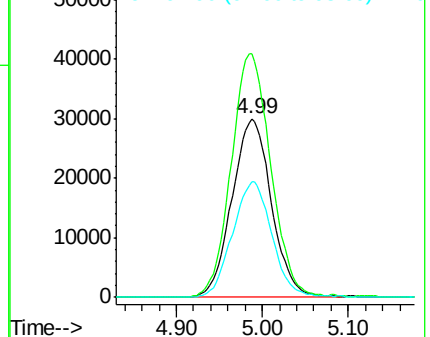
98 65.2 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN064842.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN064842.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN064842.D (-916) (-)



#22

Diisopropyl ether

Concen: 50.240 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion: 45 Resp: 304420

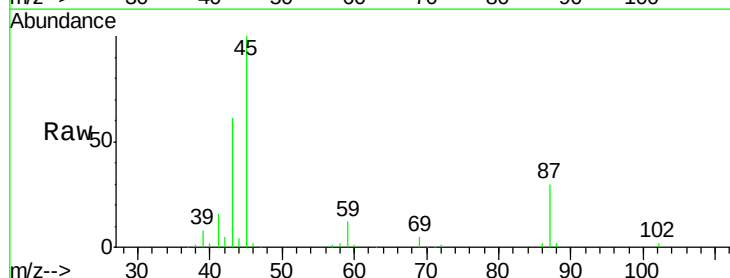
Ion Ratio Lower Upper

45 100

43 59.3 46.2 69.2

87 30.1 24.1 36.1

59 12.0 9.0 13.4

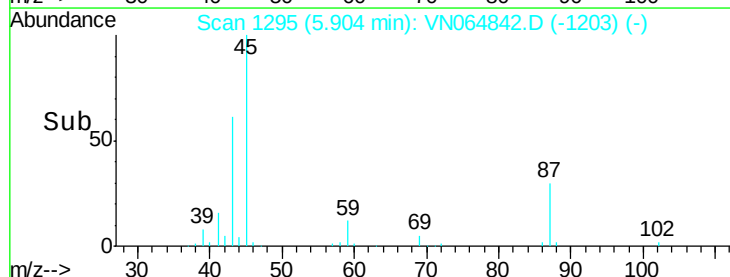
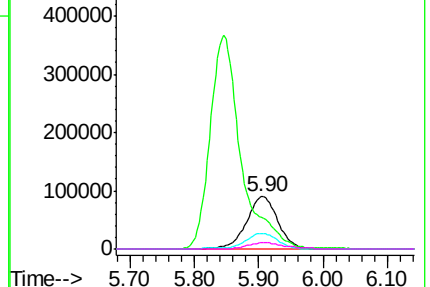


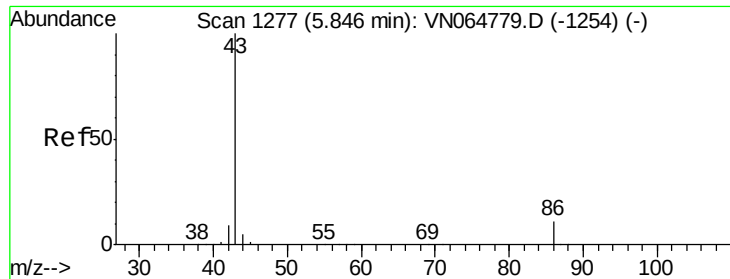
Abundance Ion 45.00 (44.70 to 45.70): VN064842.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN064842.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN064842.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN064842.D (-1203) (-)





#23

Vinyl Acetate

Concen: 252.571 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

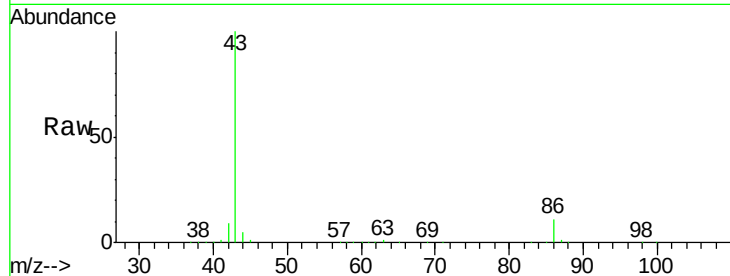
56BR-20201118MSD

Tot Ion: 43 Resp: 1223827

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

400000

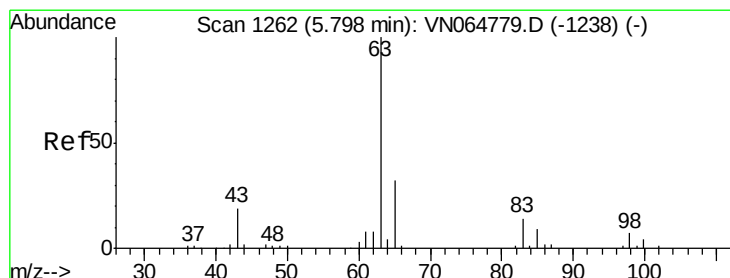
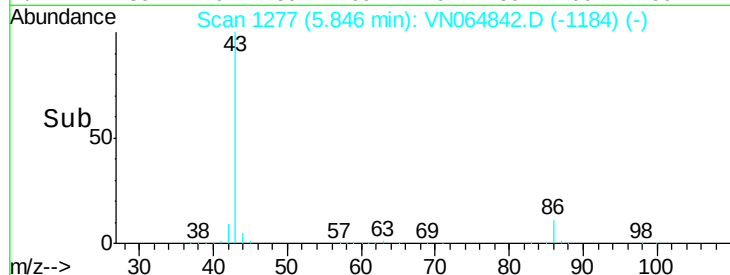
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.251 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

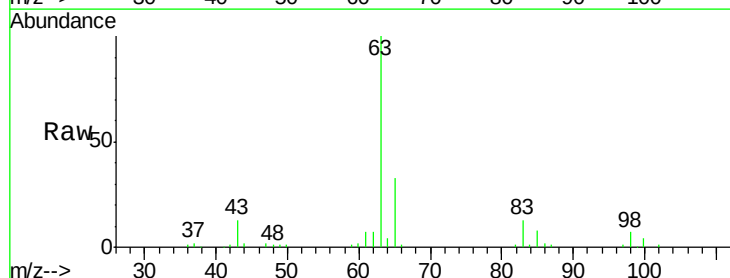
Tgt Ion: 63 Resp: 178350

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

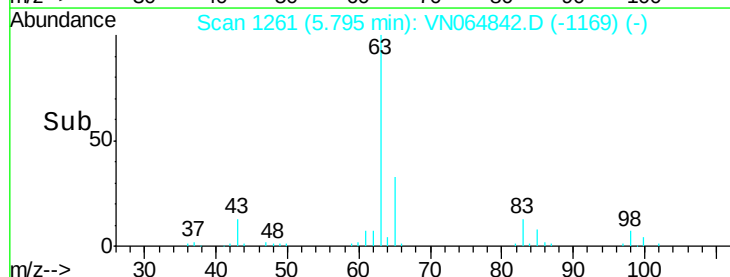
60000

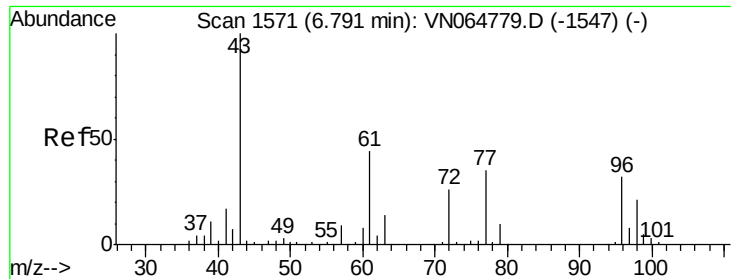
40000

20000

0

Time-->





#25

2-Butanone

Concen: 241.915 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

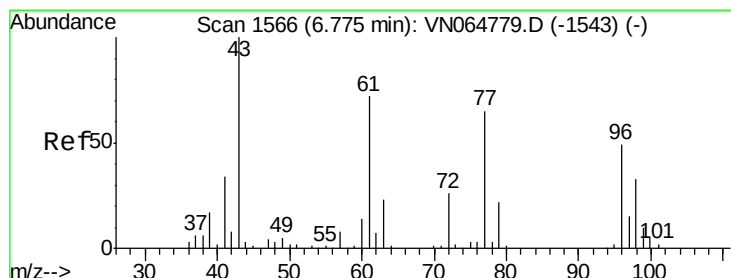
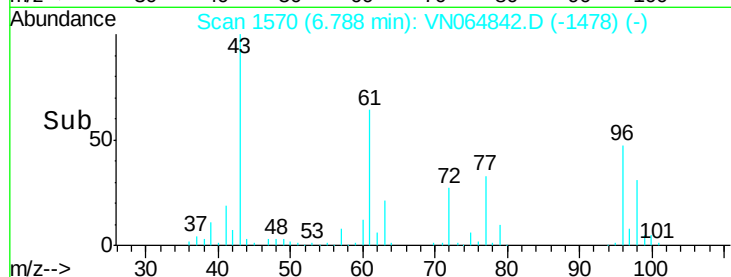
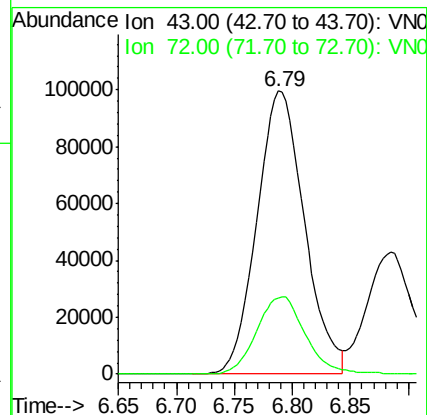
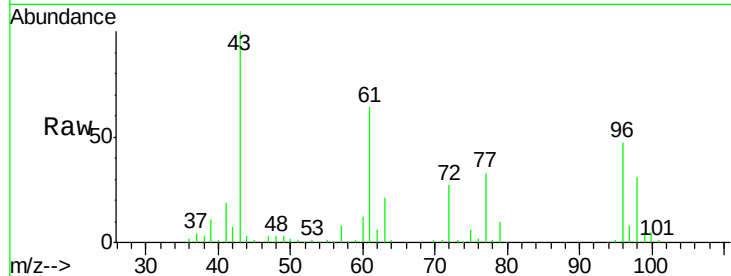
56BR-20201118MSD

Tot Ion: 43 Resp: 283672

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.6



#26

2,2-Dichloropropane

Concen: 39.073 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064842.D

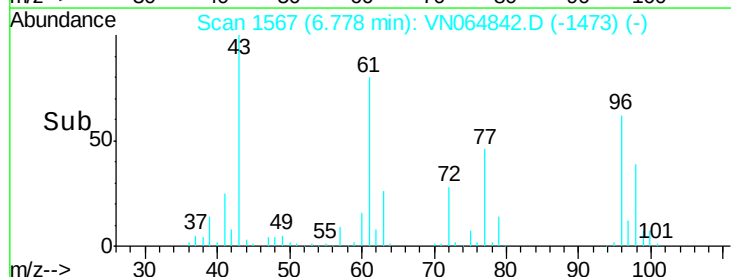
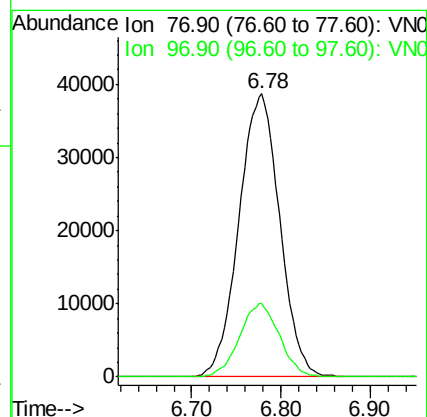
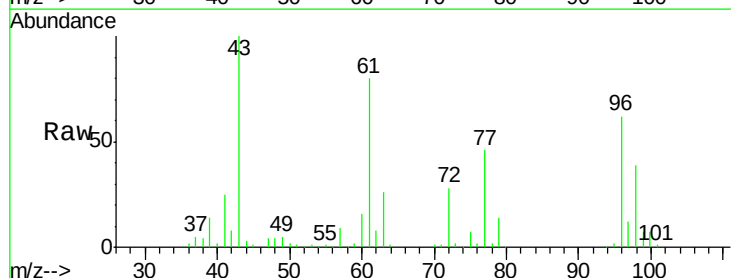
Acq: 25 Nov 2020 4:43

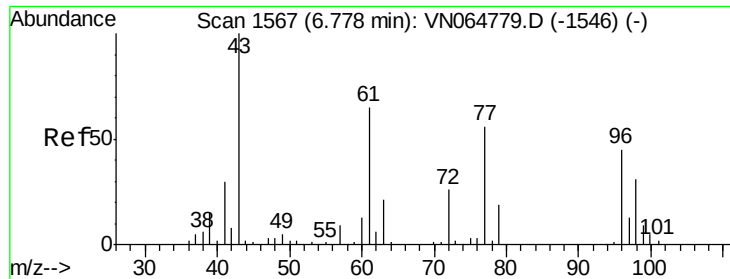
Tgt Ion: 77 Resp: 122719

Ion Ratio Lower Upper

77 100

97 25.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 65.736 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

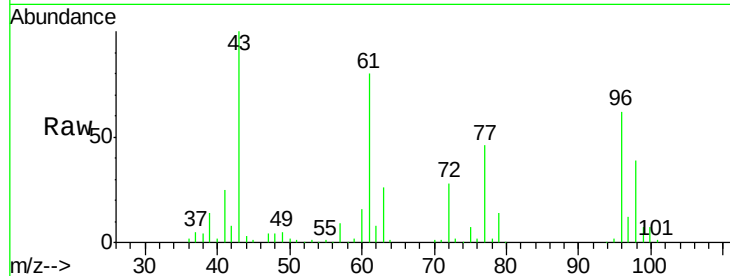
Tot Ion: 96 Resp: 150770

Ion Ratio Lower Upper

96 100

61 134.3 0.0 285.8

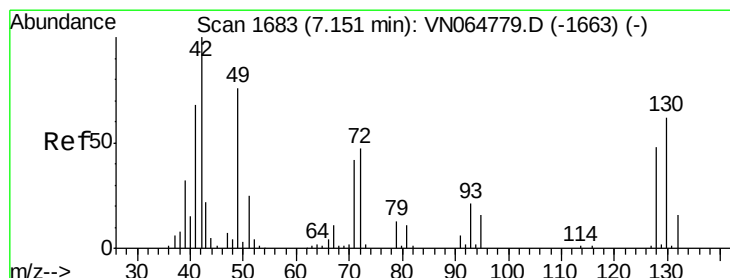
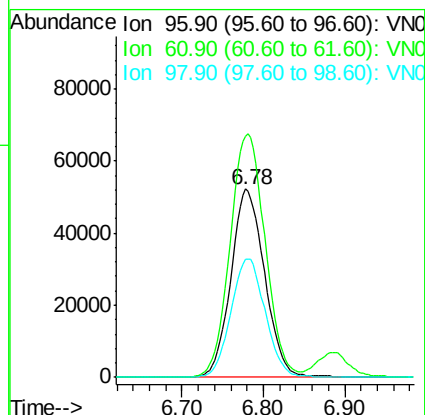
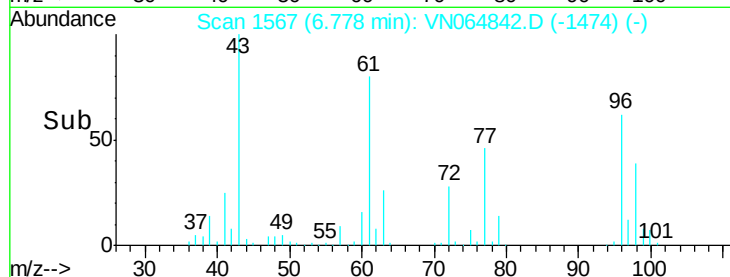
98 63.8 0.0 130.6



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: 48.765 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

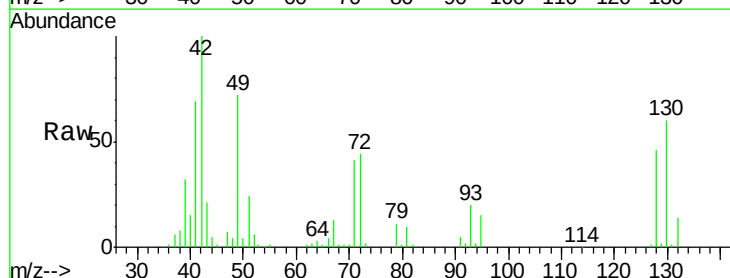
Tgt Ion: 49 Resp: 80785

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

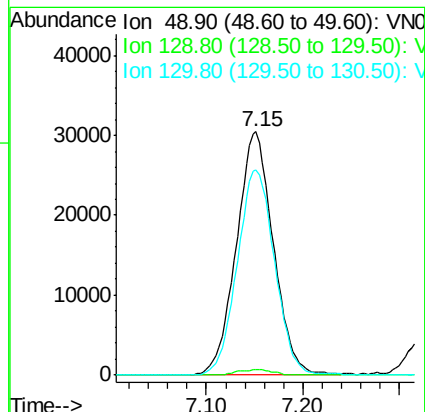
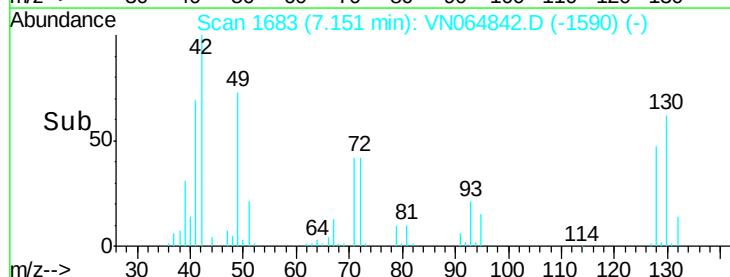
130 85.3 66.2 99.2

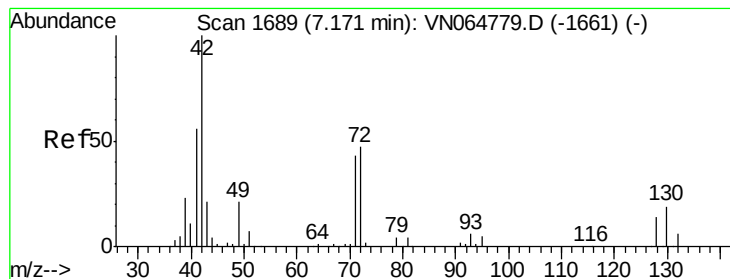


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 235.248 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

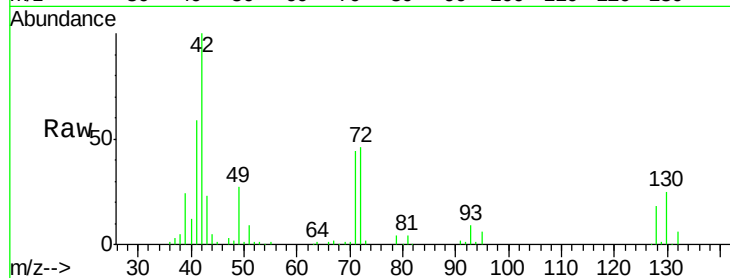
Tot Ion: 42 Resp: 190420

Ion Ratio Lower Upper

42 100

72 45.3 36.6 54.8

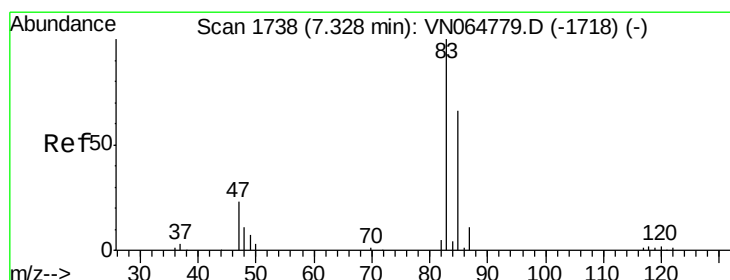
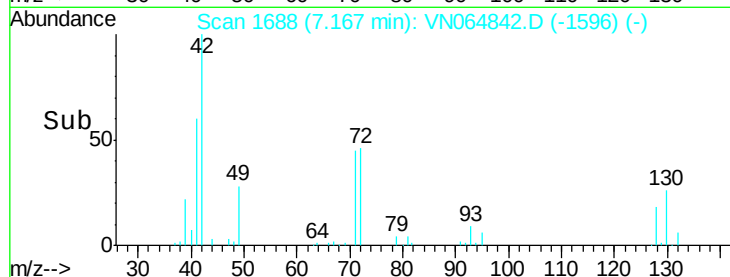
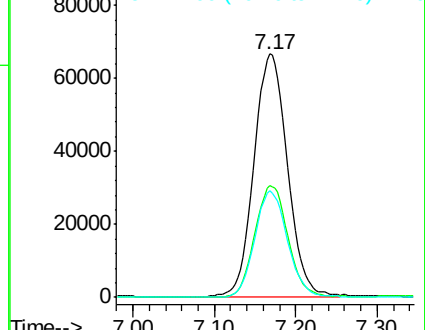
71 42.5 33.6 50.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.486 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064842.D

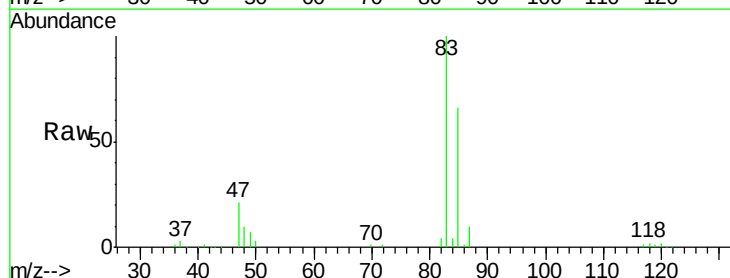
Acq: 25 Nov 2020 4:43

Tgt Ion: 83 Resp: 181065

Ion Ratio Lower Upper

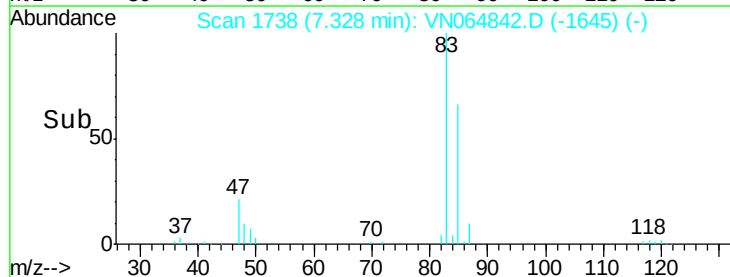
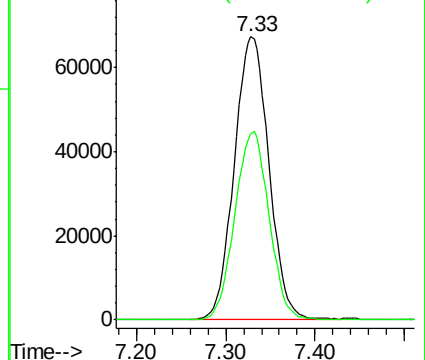
83 100

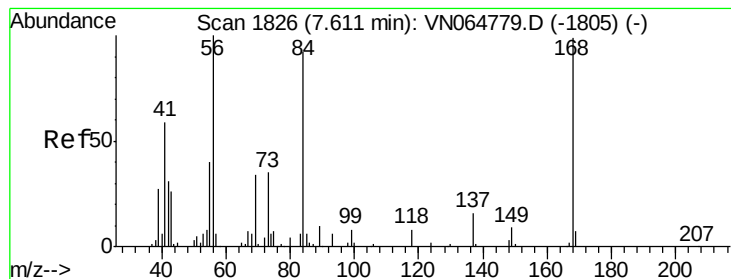
85 65.8 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.195 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

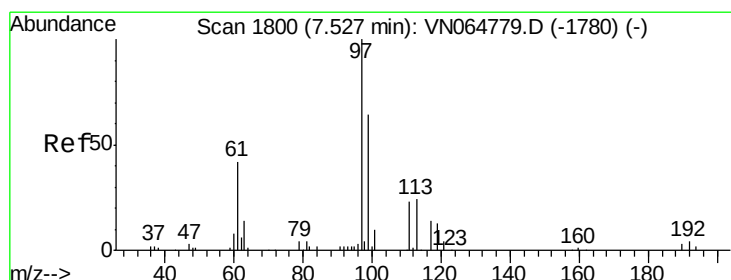
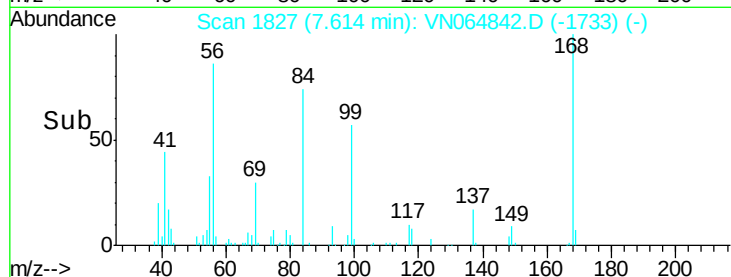
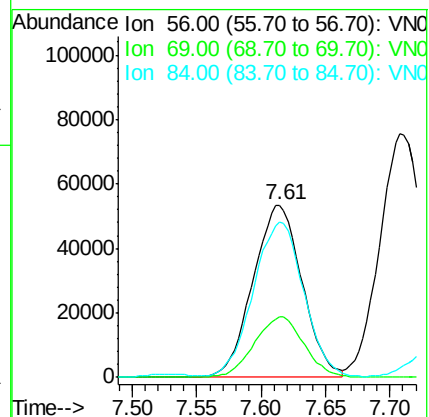
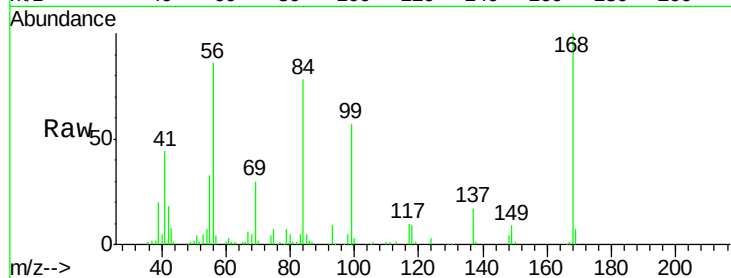
Tot Ion: 56 Resp: 141679

Ion Ratio Lower Upper

56 100

69 35.2 27.5 41.3

84 89.2 73.9 110.9



#32

1,1,1-Trichloroethane

Concen: 48.387 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

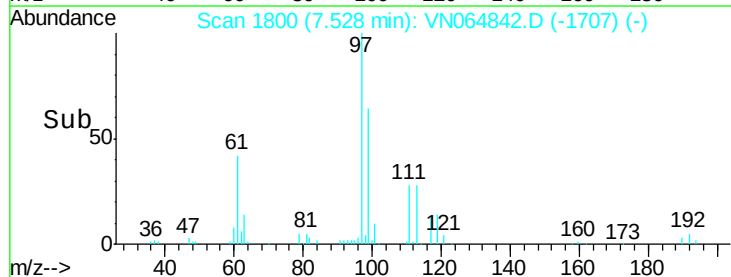
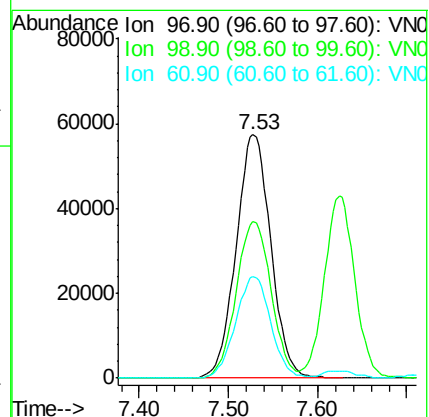
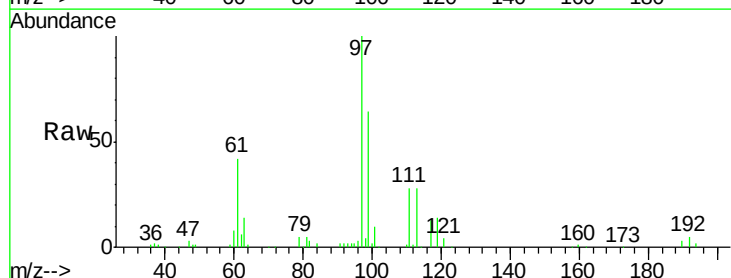
Tgt Ion: 97 Resp: 155195

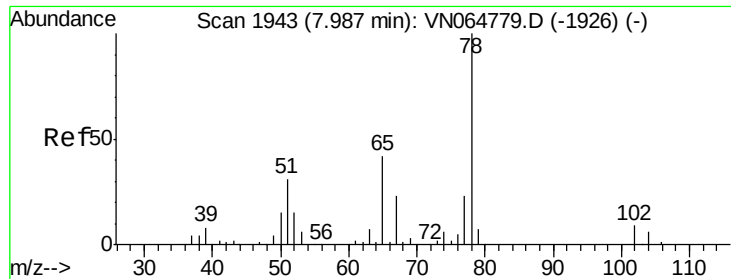
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 42.2 33.9 50.9

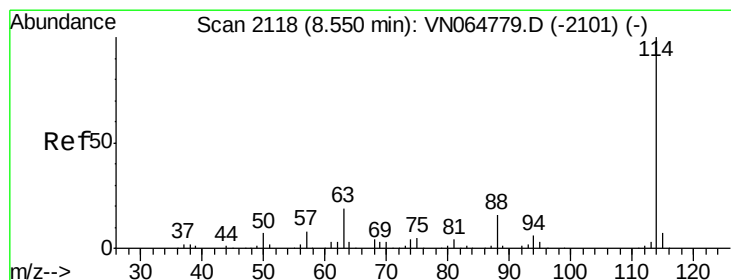
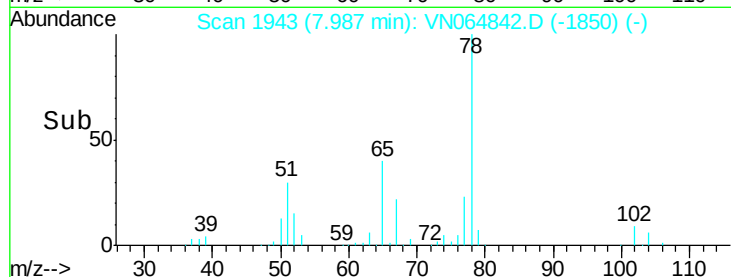
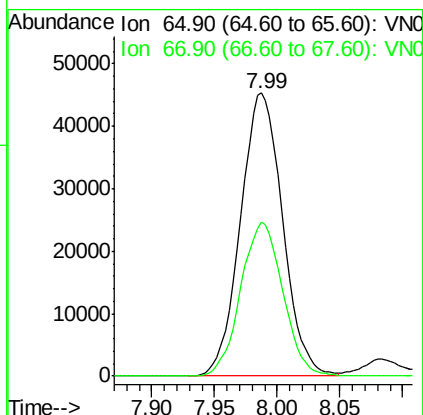
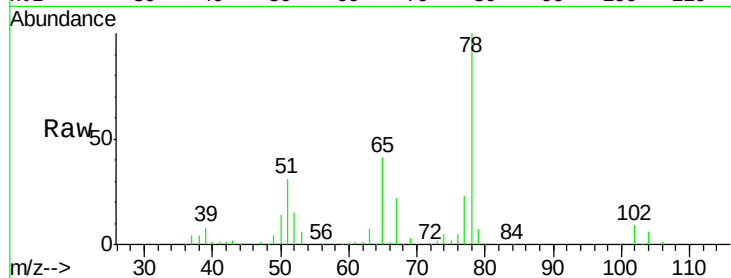




#33
 1,2-Dichloroethane-d4
 Concen: 48.159 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

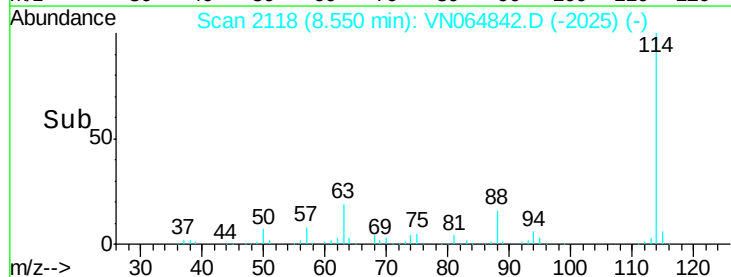
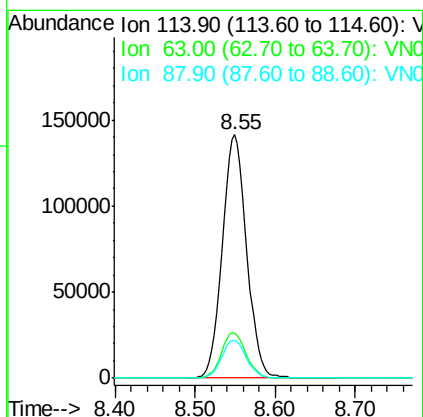
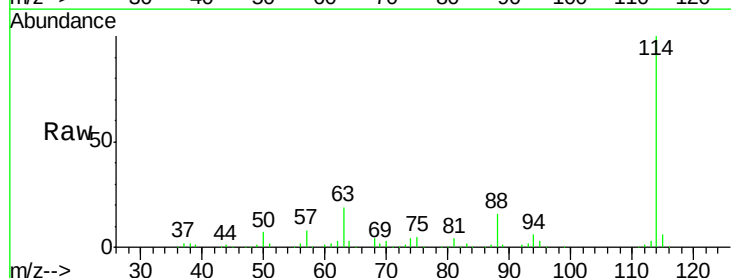
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

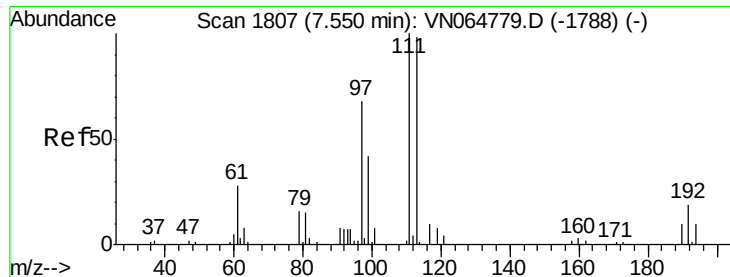
Tot Ion: 65 Resp: 105974
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 114 Resp: 295448
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.5 0.0 32.6

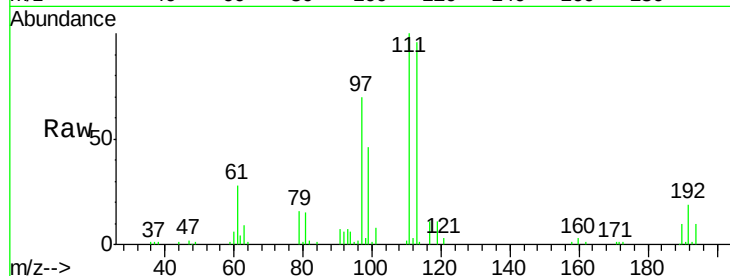




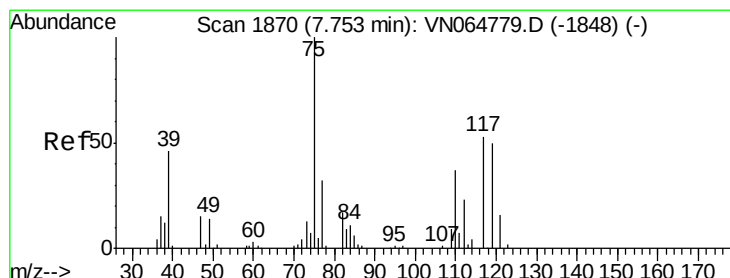
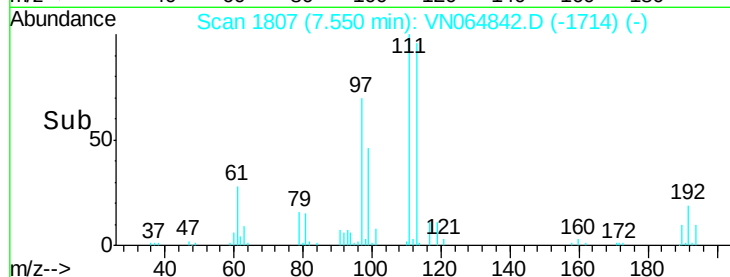
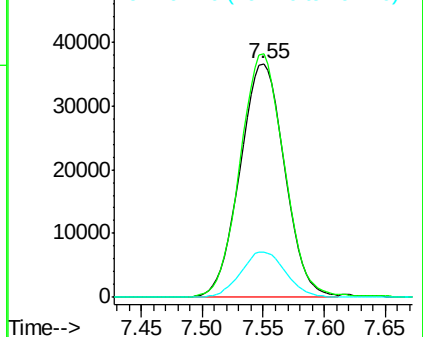
#35
Dibromofluoromethane
Concen: 52.440 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

Tot Ion:113 Resp: 92707
Ion Ratio Lower Upper
113 100
111 103.1 81.6 122.4
192 19.6 16.2 24.2

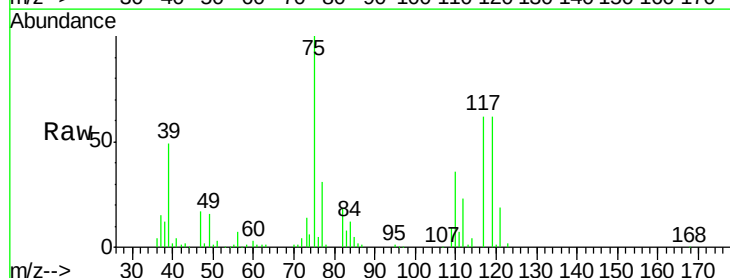


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

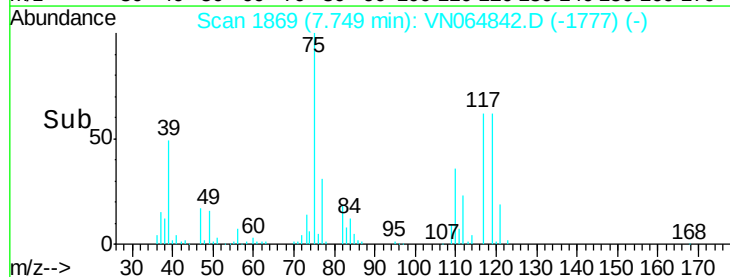
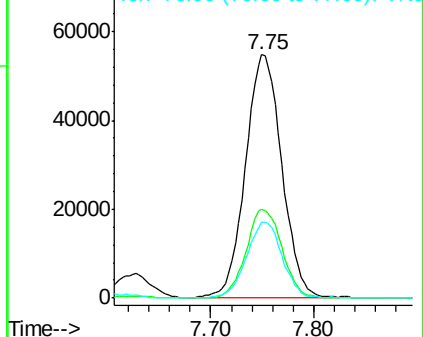


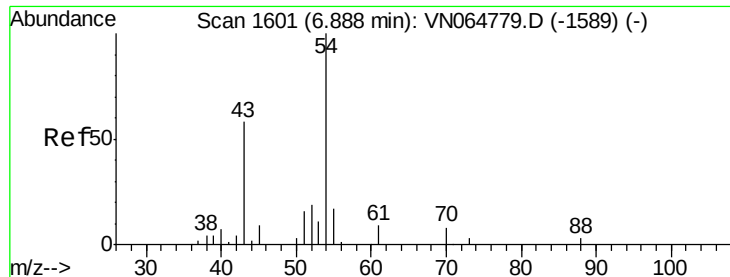
#36
1,1-Dichloropropene
Concen: 48.980 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 75 Resp: 134133
Ion Ratio Lower Upper
75 100
110 36.1 17.8 53.3
77 30.7 25.0 37.4



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

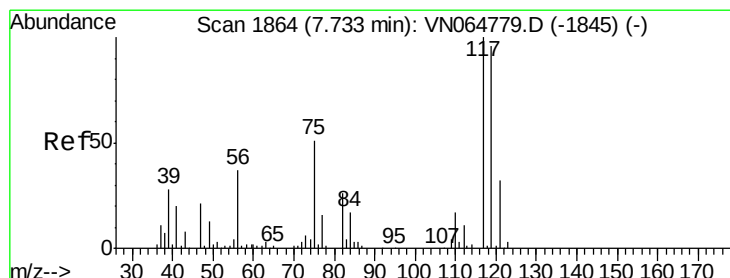
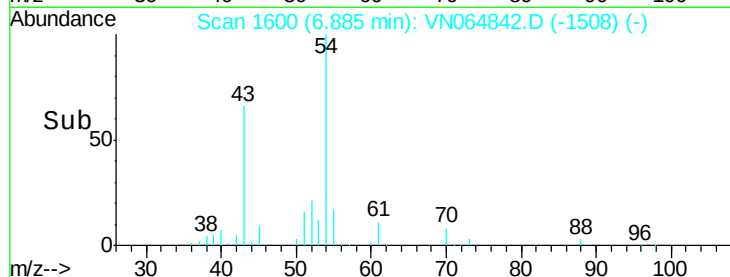
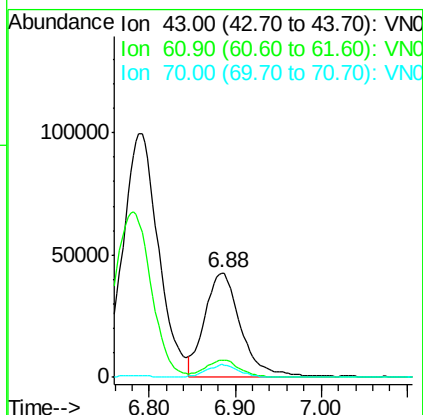
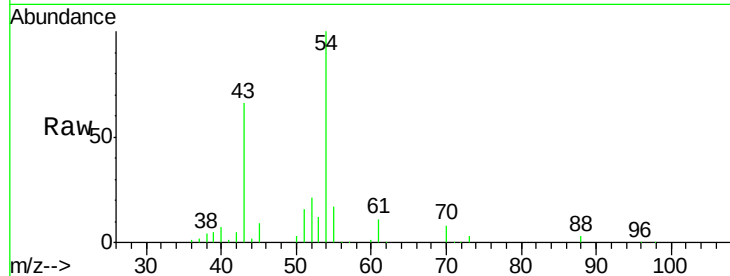




#37
Ethyl Acetate
Concen: 46.766 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

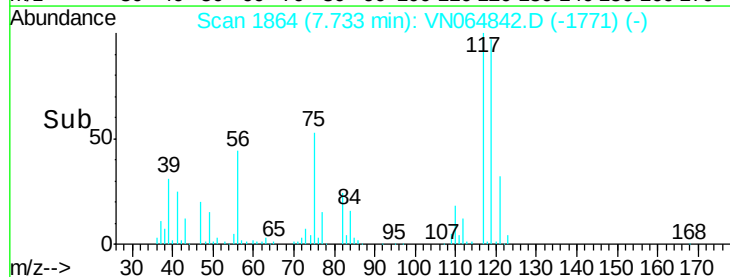
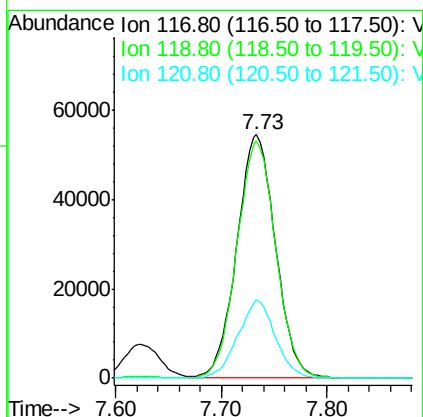
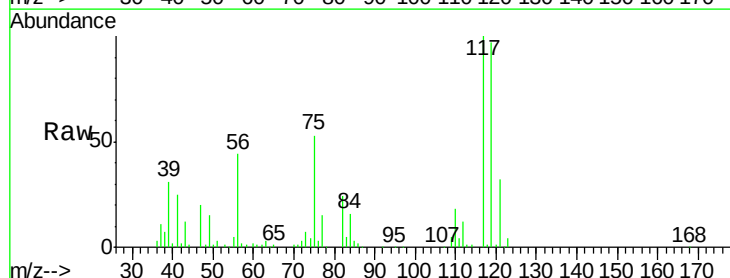
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

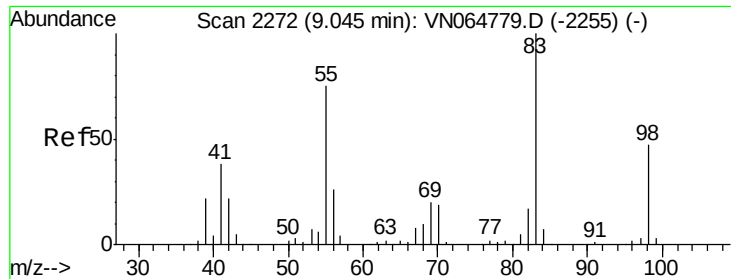
Tot Ion: 43 Resp: 123364
Ion Ratio Lower Upper
43 100
61 15.8 12.8 19.2
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 48.828 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 117 Resp: 139132
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1
121 32.3 25.4 38.2

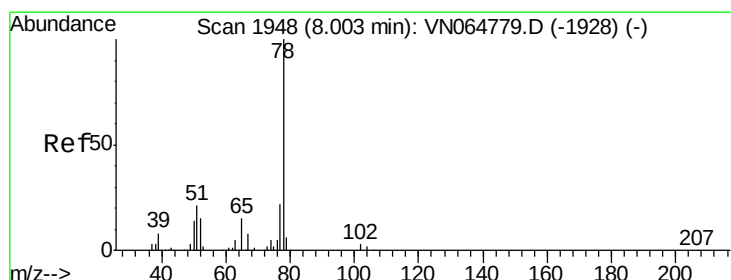
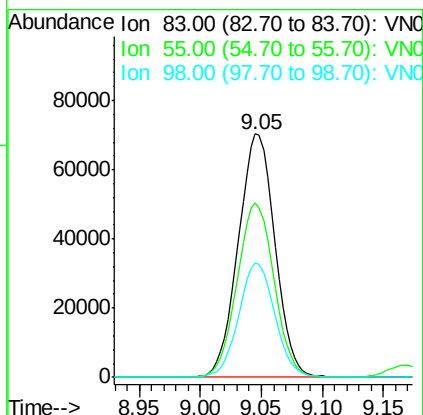
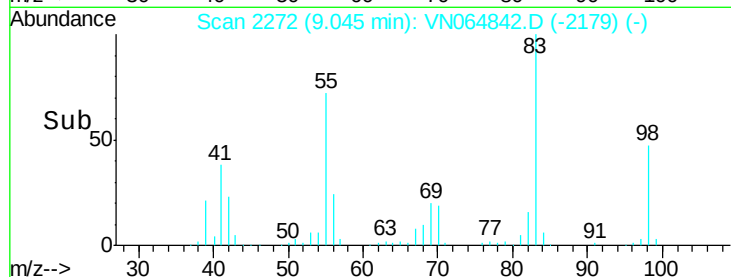
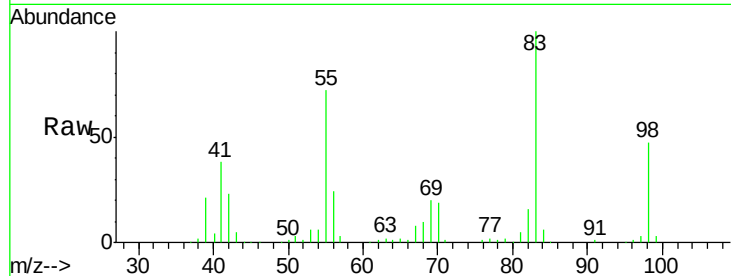




#39
Methylvlcyclohexane
Concen: 49.618 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

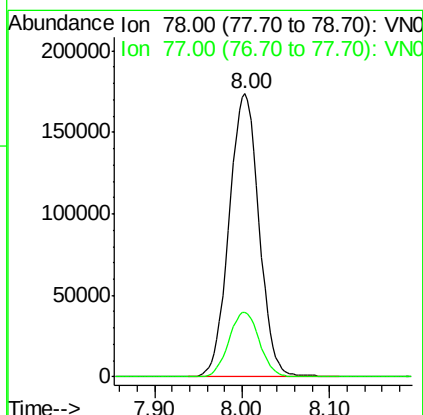
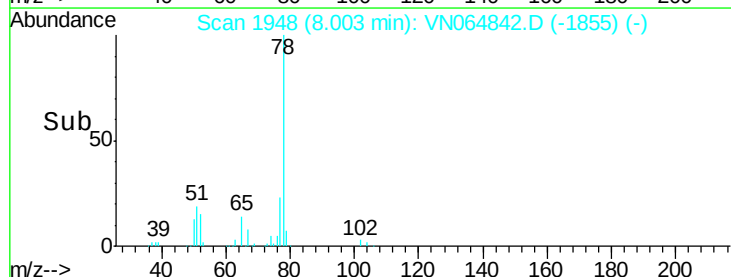
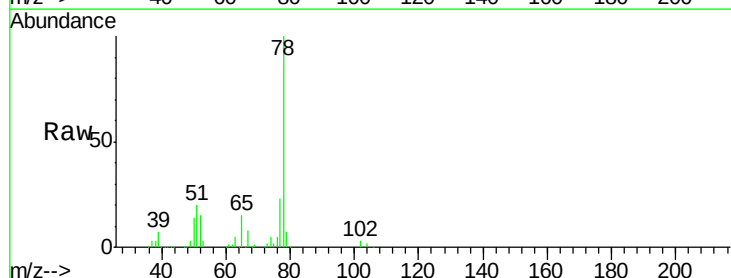
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

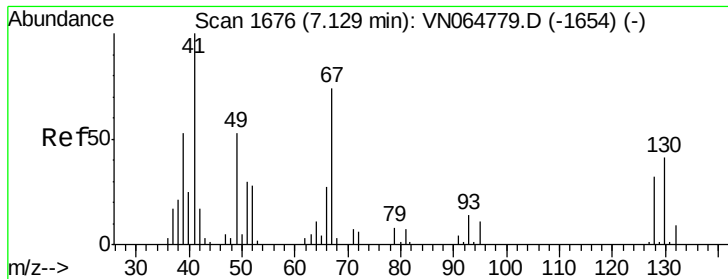
Tot Ion: 83 Resp: 146274
Ion Ratio Lower Upper
83 100
55 71.7 60.2 90.2
98 47.2 37.4 56.2



#40
Benzene
Concen: 49.159 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 78 Resp: 412534
Ion Ratio Lower Upper
78 100
77 23.0 17.9 26.9

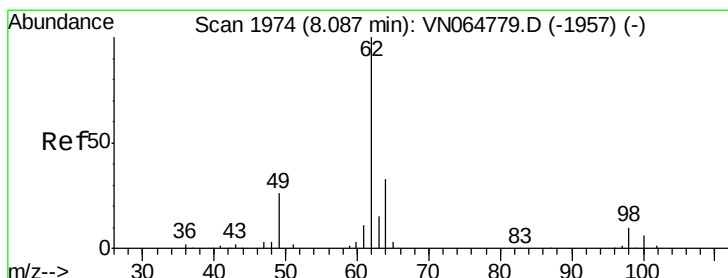
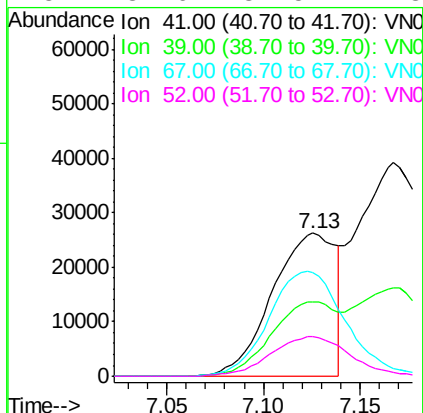
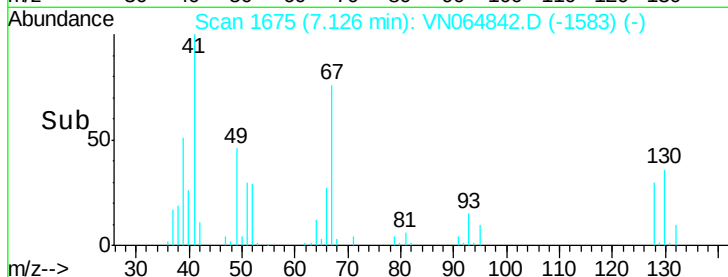
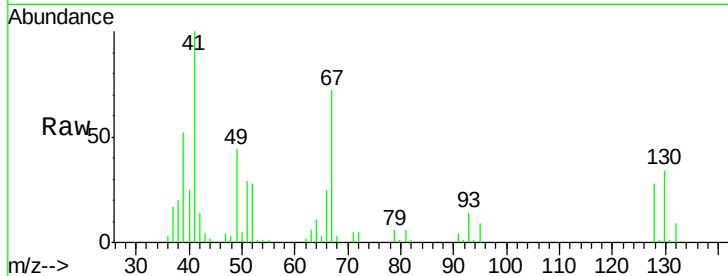




#41
Methacrylonitrile
Concen: 49.120 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

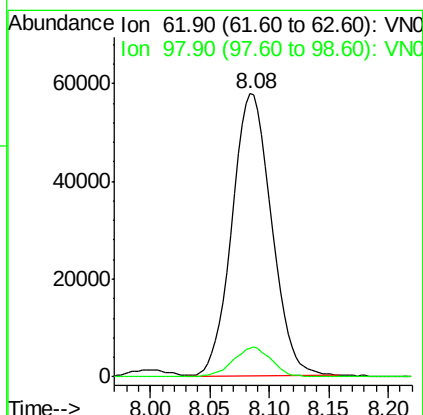
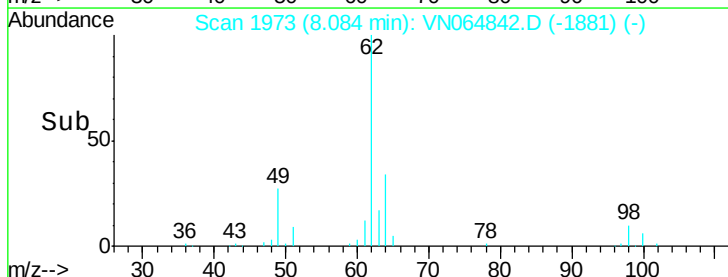
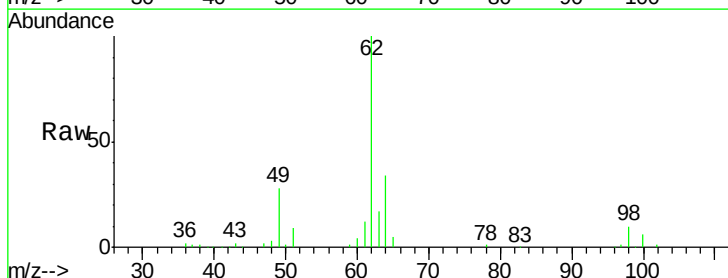
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

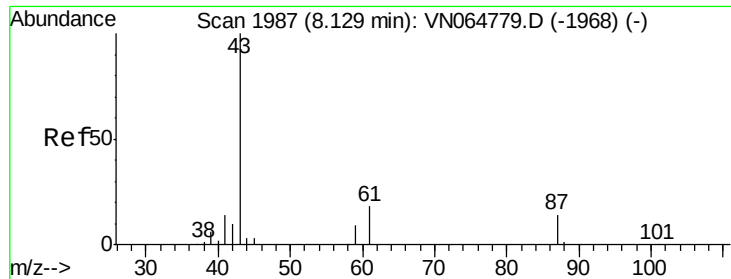
Tot Ion:	41	Resp:	59788
Ion	Ratio	Lower	Upper
41	100		
39	52.0	51.0	76.6
67	89.1	79.8	119.8
52	34.6	31.5	47.3



#42
1,2-Dichloroethane
Concen: 47.003 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion:	62	Resp:	133062
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 47.104 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

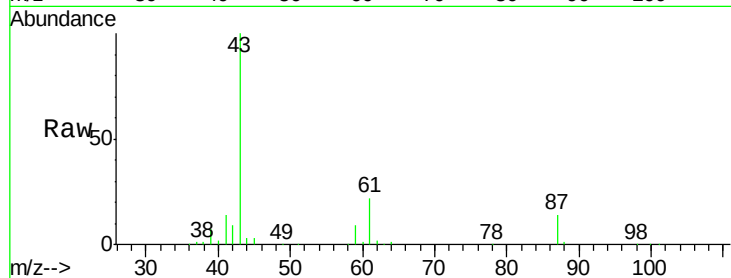
Tot Ion: 43 Resp: 199943

Ion Ratio Lower Upper

43 100

61 21.7 17.2 25.8

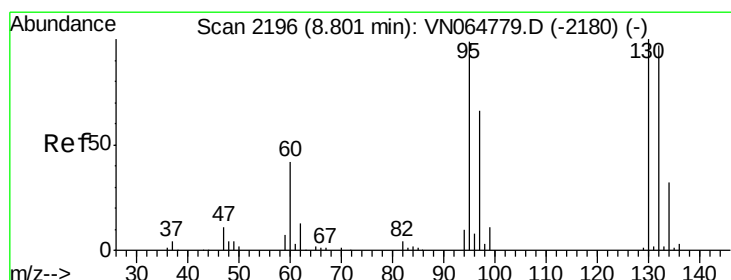
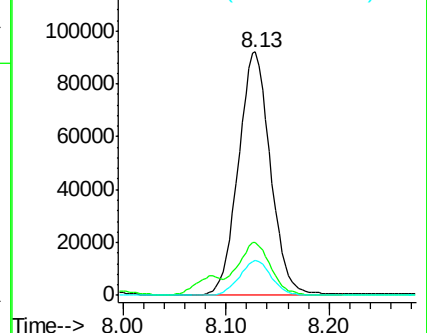
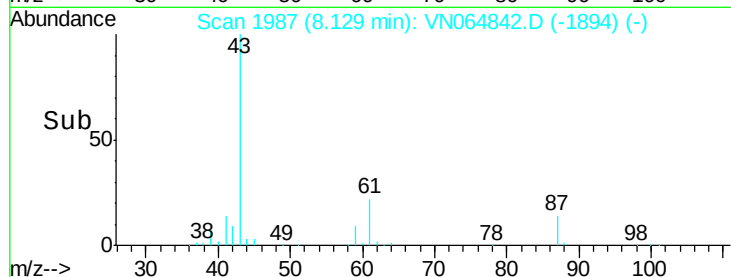
87 14.1 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064842.D (-1994) (-)

Ion 61.00 (60.70 to 61.70): VN064842.D (-1994) (-)

Ion 87.00 (86.70 to 87.70): VN064842.D (-1994) (-)



#44

Trichloroethene

Concen: 142.711 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064842.D

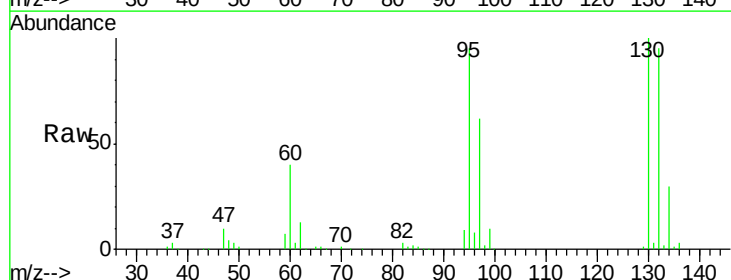
Acq: 25 Nov 2020 4:43

Tgt Ion: 130 Resp: 353352

Ion Ratio Lower Upper

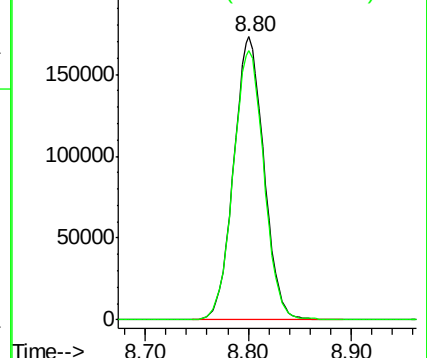
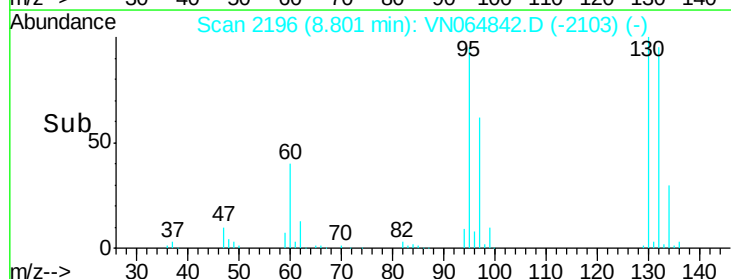
130 100

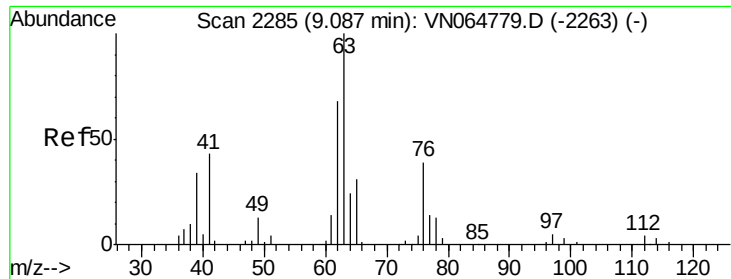
95 95.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064842.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064842.D (-2103) (-)

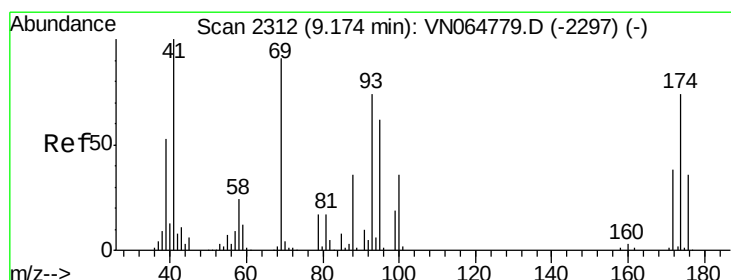
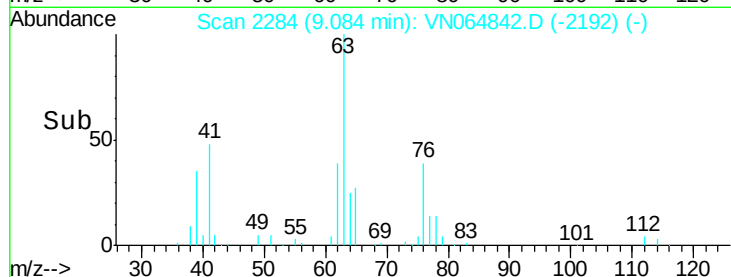
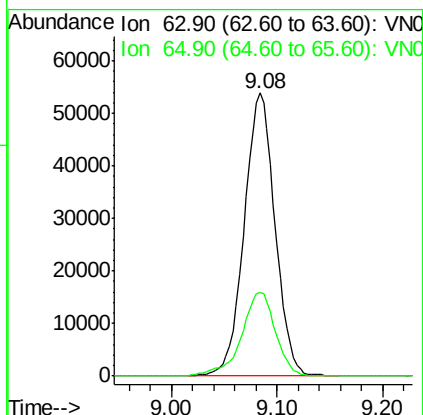
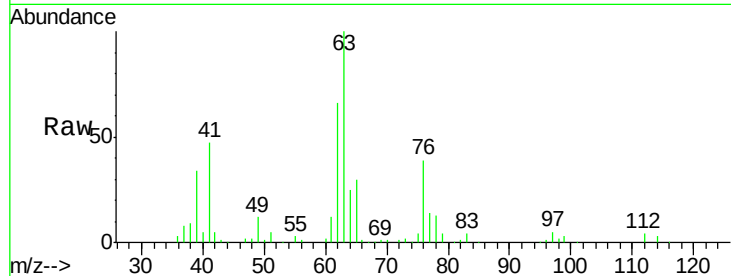




#45
 1,2-Dichloropropane
 Concen: 50.457 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

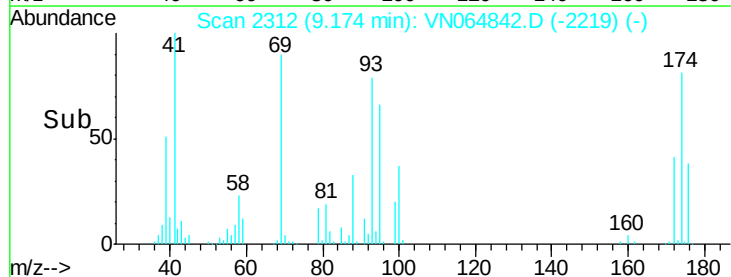
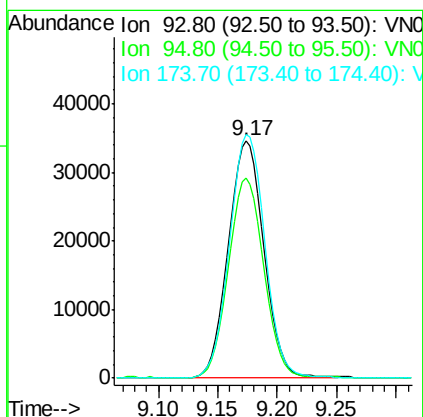
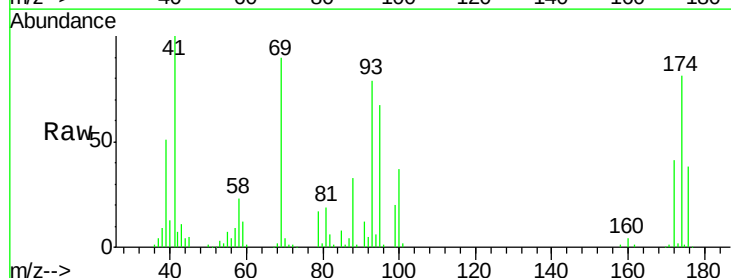
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

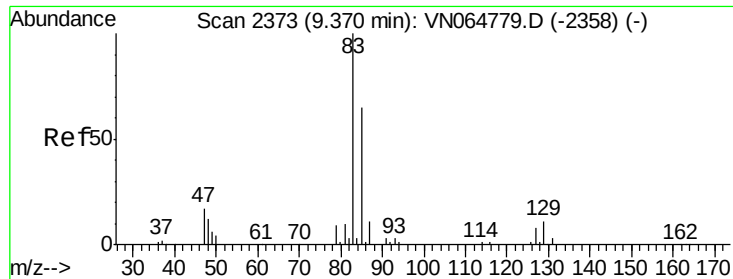
Tot Ion: 63 Resp: 109652
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4



#46
 Dibromomethane
 Concen: 49.660 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 93 Resp: 72098
 Ion Ratio Lower Upper
 93 100
 95 83.9 68.8 103.2
 174 101.7 83.1 124.7





#47

Bromodichloromethane

Concen: 49.292 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

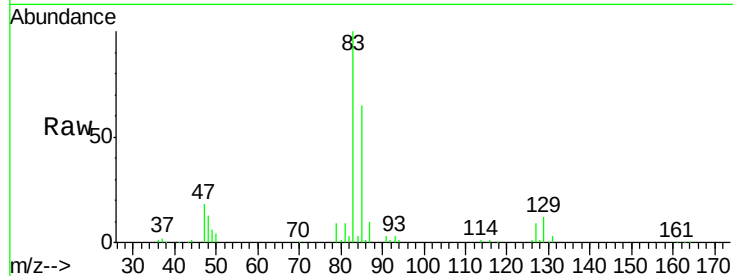
Tot Ion: 83 Resp: 143995

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.8

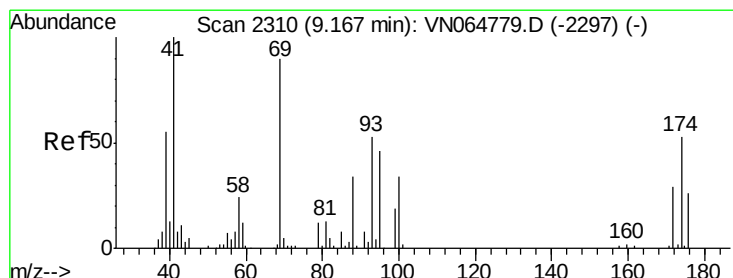
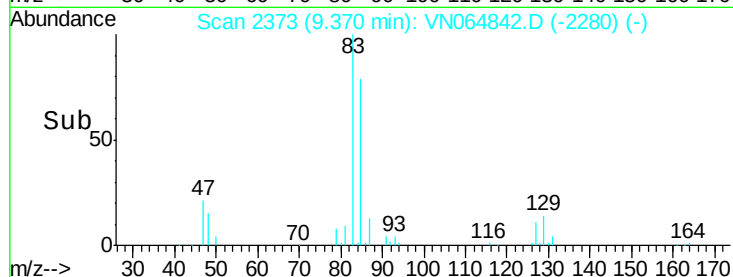
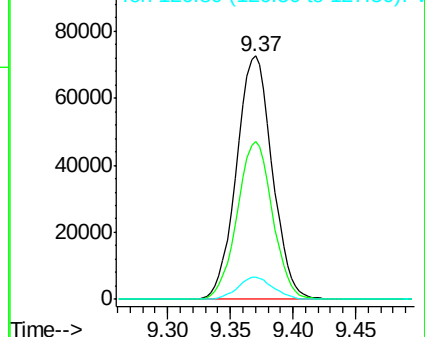
127 9.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064842.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064842.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064842.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.739 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

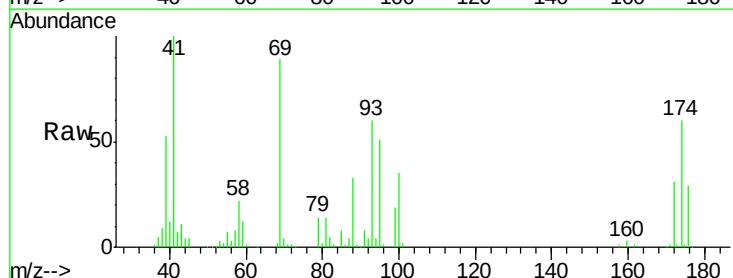
Tgt Ion: 41 Resp: 96829

Ion Ratio Lower Upper

41 100

69 94.3 71.8 107.8

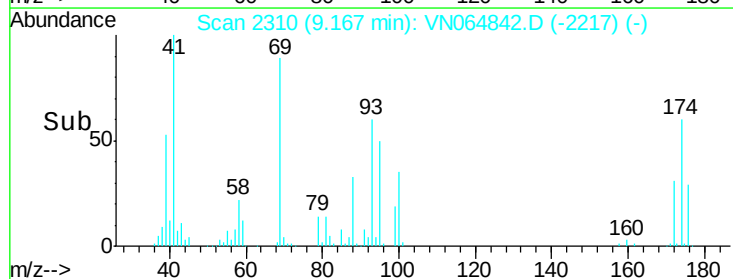
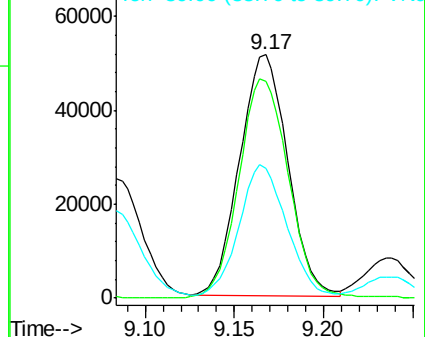
39 55.6 44.1 66.1

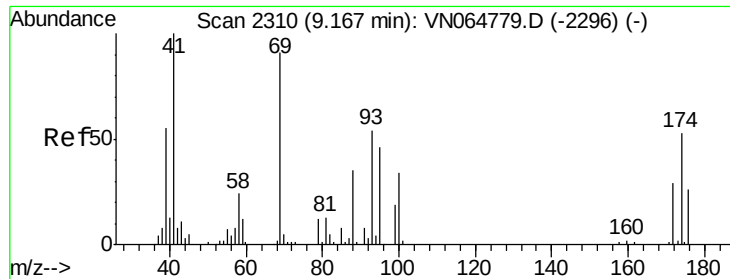


Abundance Ion 41.00 (40.70 to 41.70): VN064842.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064842.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064842.D (-2217) (-)





#49

1,4-Dioxane

Concen: 936.897 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

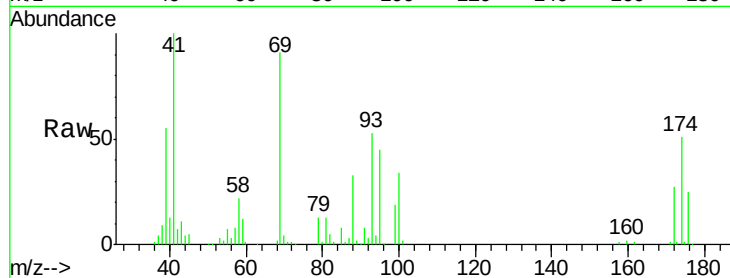
Tot Ion: 88 Resp: 35916

Ion Ratio Lower Upper

88 100

43 30.8 24.2 36.4

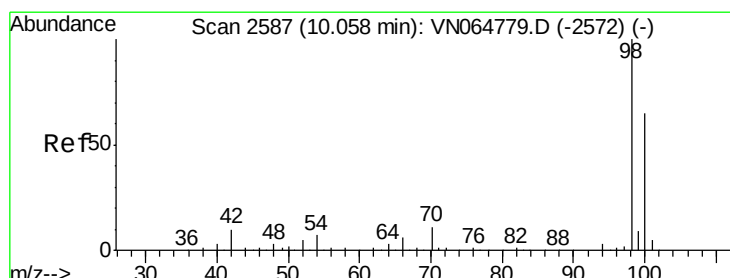
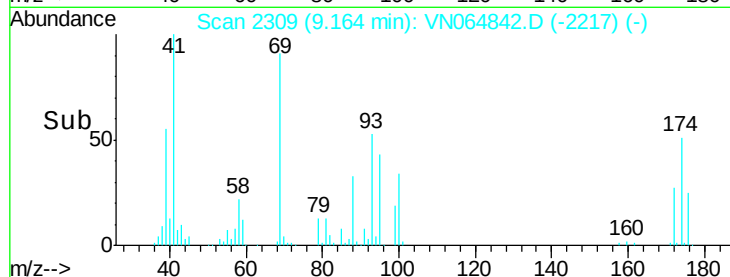
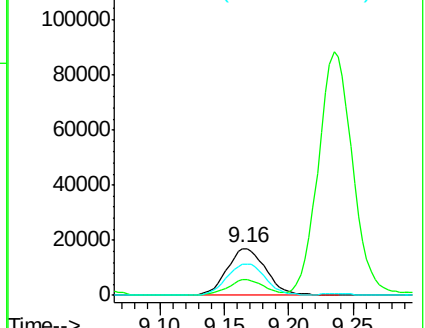
58 65.9 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN064842.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN064842.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064842.D (-2217) (-)



#50

Toluene-d8

Concen: 50.208 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064842.D

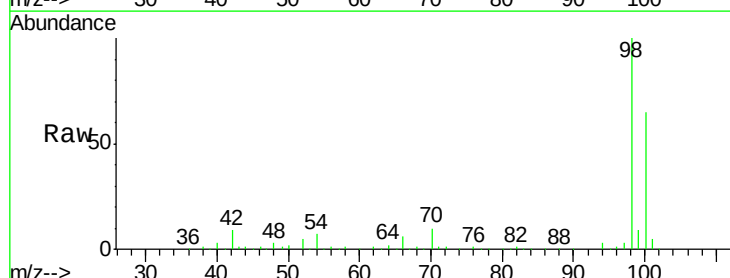
Acq: 25 Nov 2020 4:43

Tgt Ion: 98 Resp: 362672

Ion Ratio Lower Upper

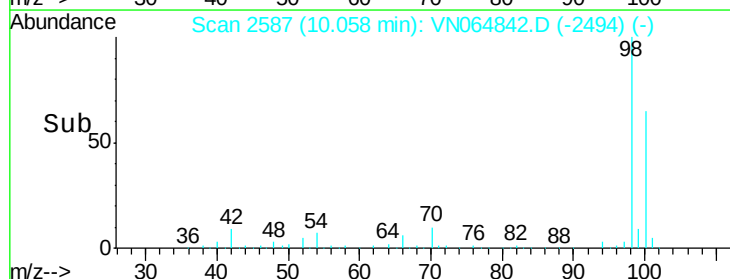
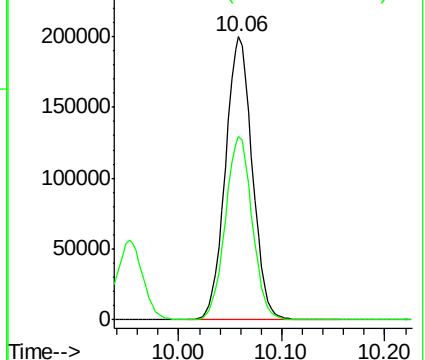
98 100

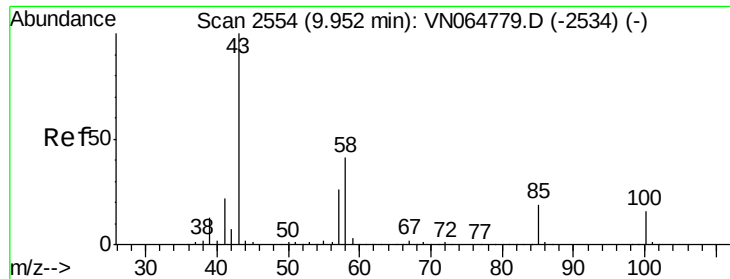
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064842.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064842.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 239.039 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

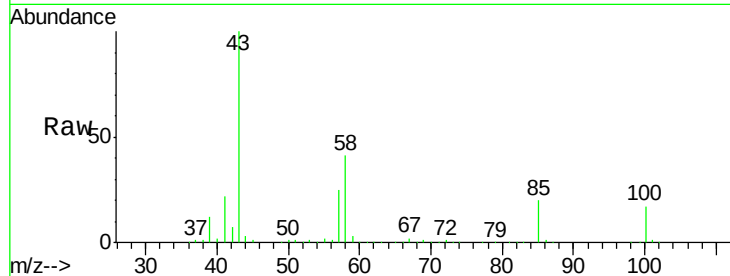
56BR-20201118MSD

Tot Ion: 43 Resp: 609146

Ion Ratio Lower Upper

43 100

58 40.7 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

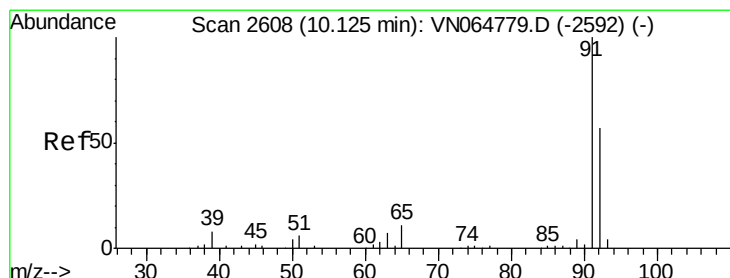
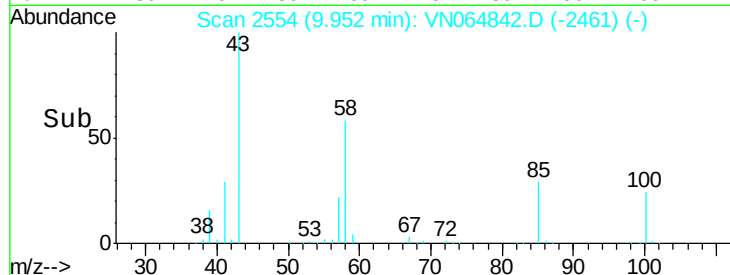
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.130 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064842.D

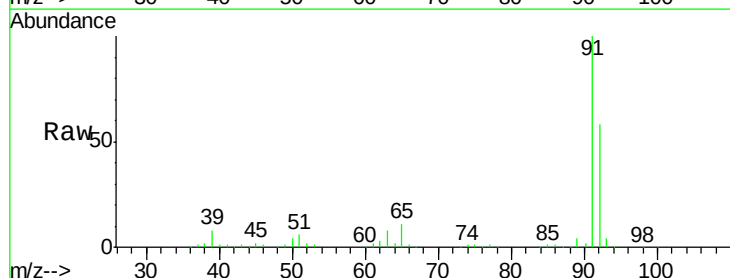
Acq: 25 Nov 2020 4:43

Tgt Ion: 92 Resp: 259069

Ion Ratio Lower Upper

92 100

91 173.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.12

300000

250000

200000

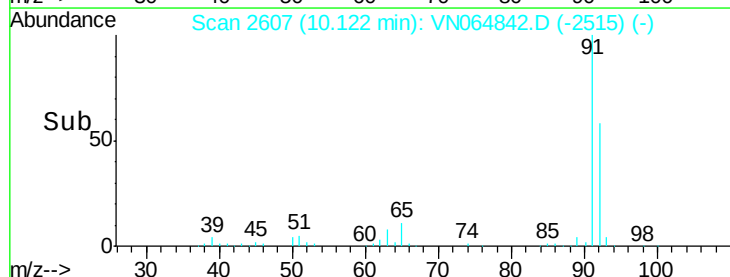
150000

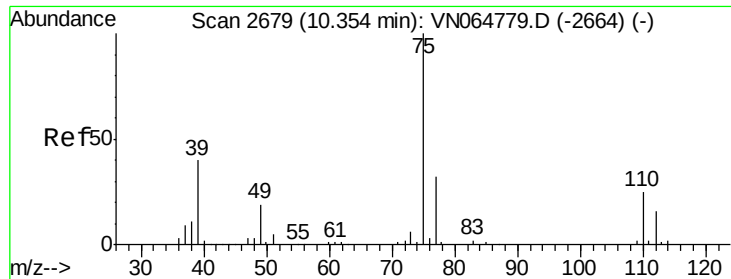
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.233 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

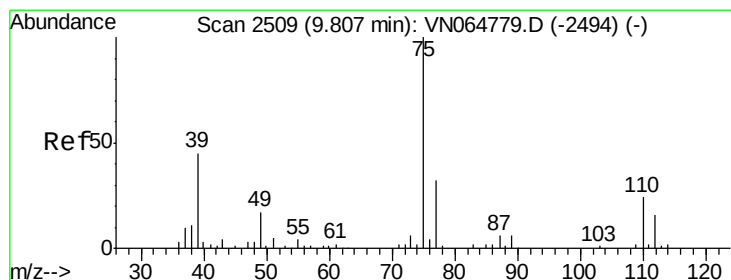
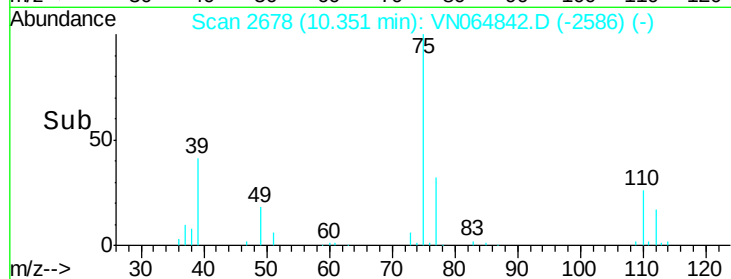
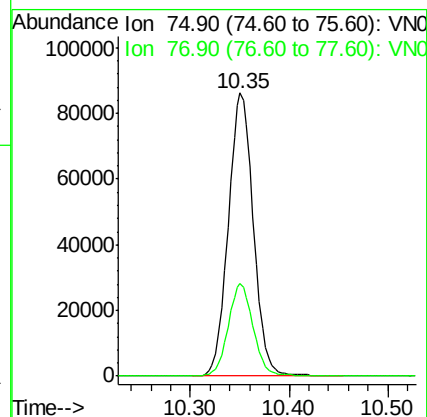
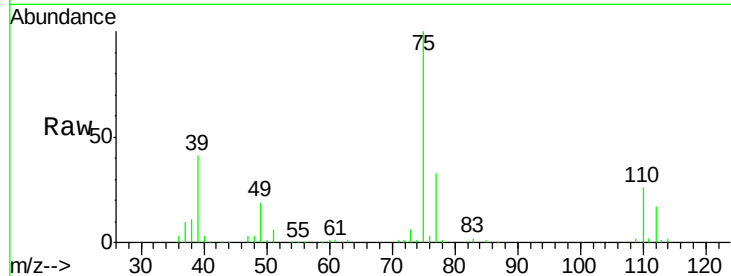
56BR-20201118MSD

Tot Ion: 75 Resp: 153682

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 48.867 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

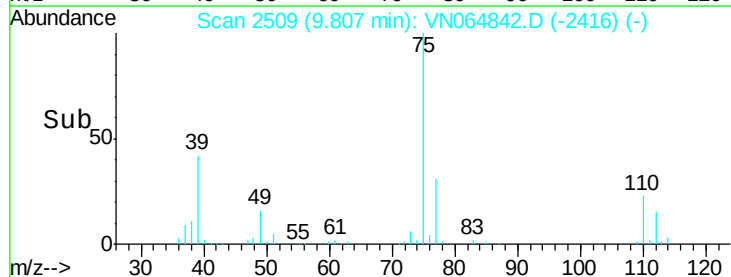
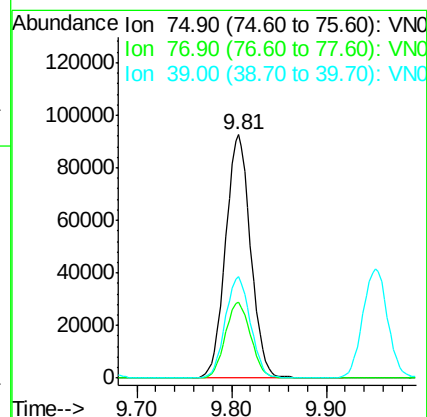
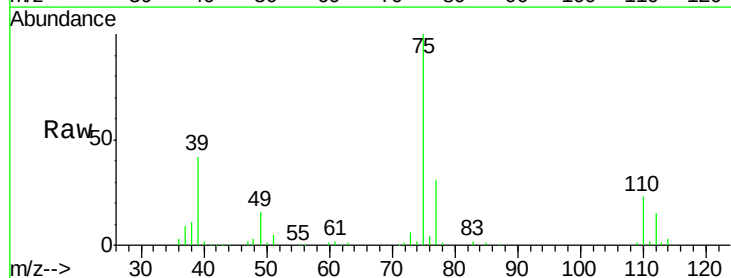
Tgt Ion: 75 Resp: 170425

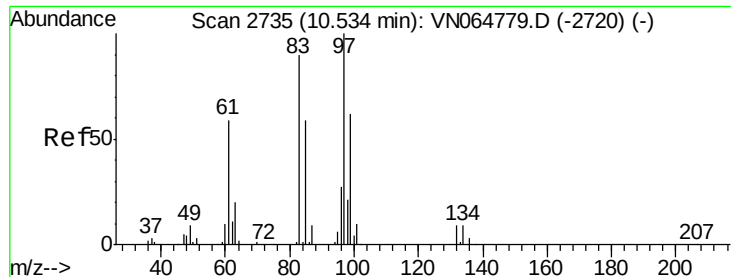
Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 41.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 49.010 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

Tot Ion: 97 Resp: 104152

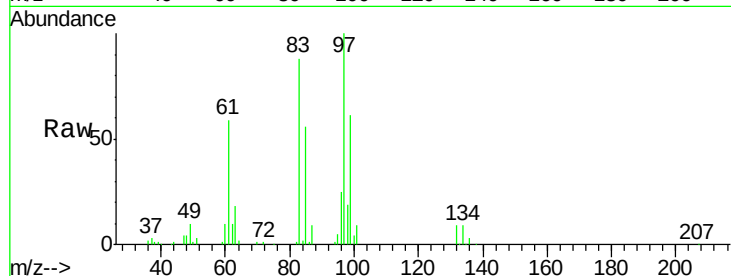
Ion Ratio Lower Upper

97 100

83 88.2 72.1 108.1

85 56.3 46.8 70.2

99 61.3 49.6 74.4

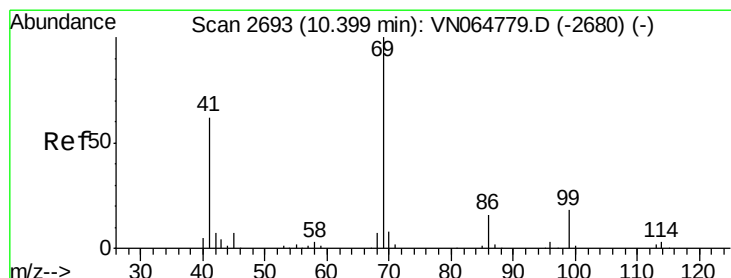
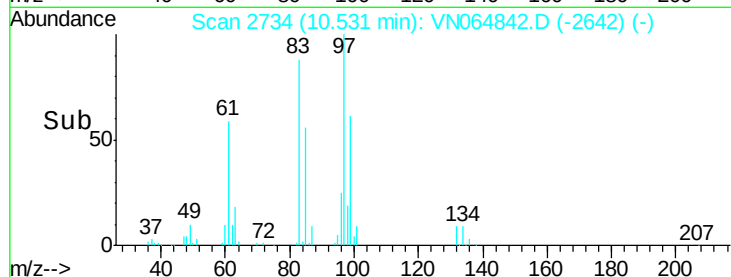
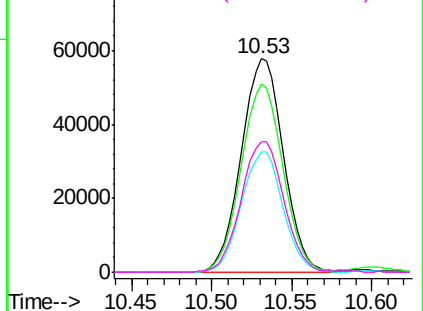


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.832 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

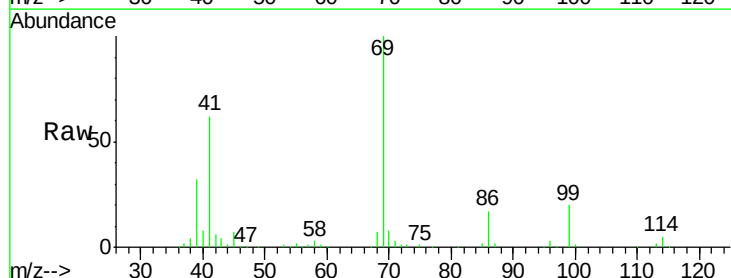
Tgt Ion: 69 Resp: 146136

Ion Ratio Lower Upper

69 100

41 61.7 49.4 74.0

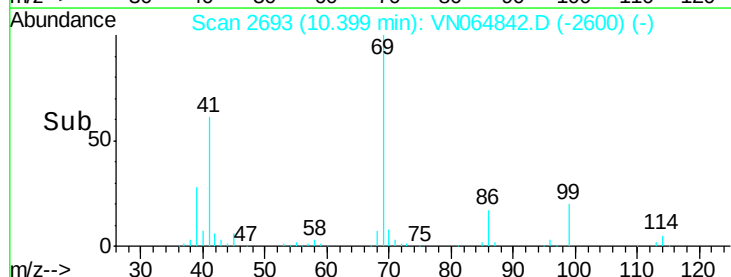
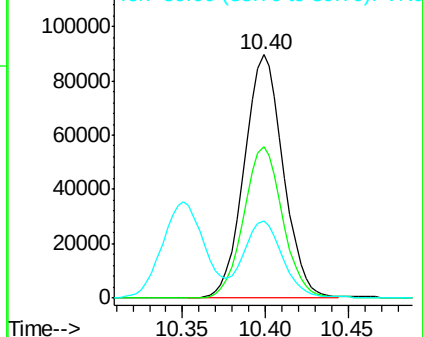
39 31.8 25.9 38.9

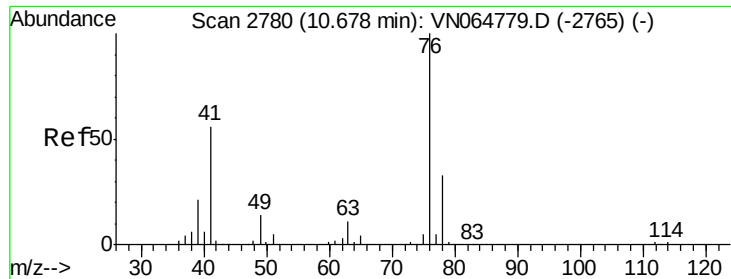


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

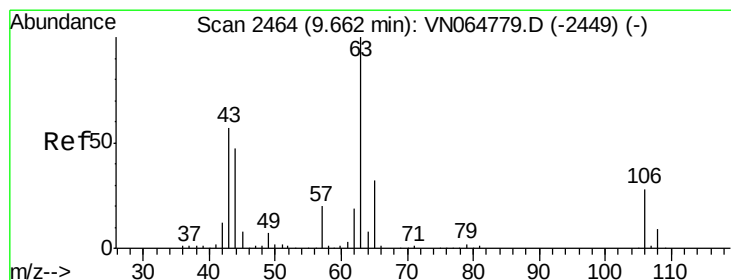
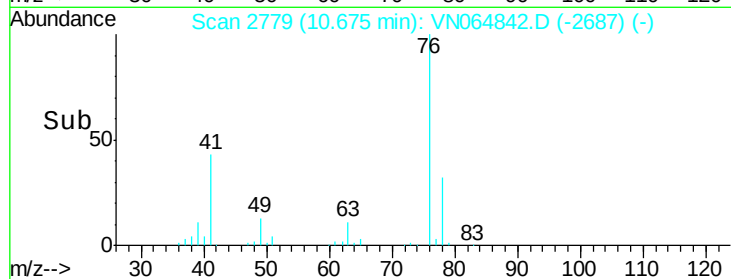
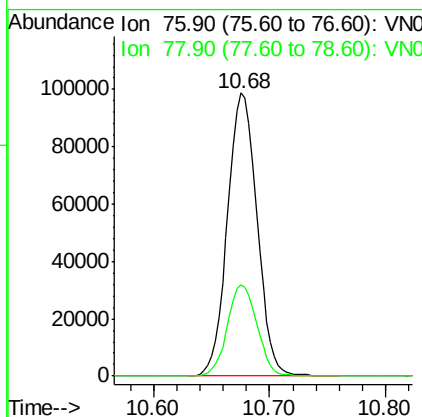
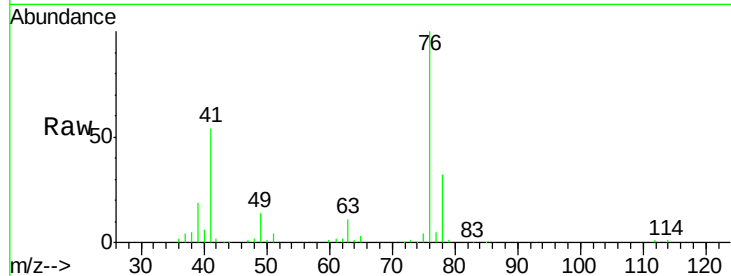




#57
 1,3-Dichloropropane
 Concen: 49.847 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

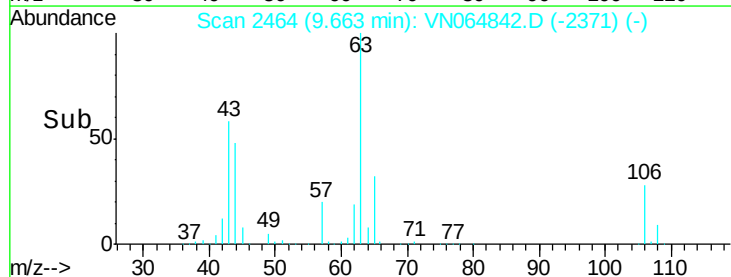
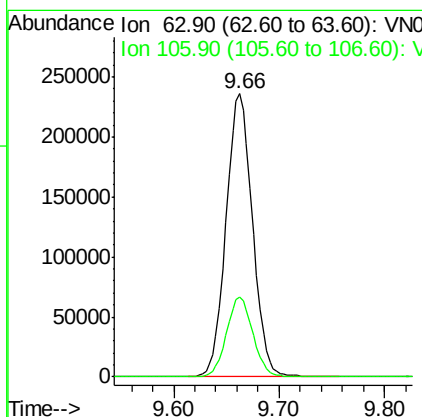
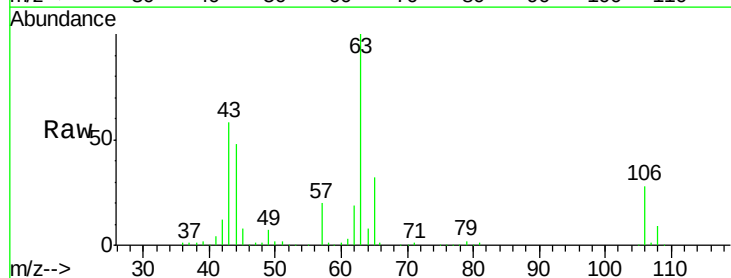
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

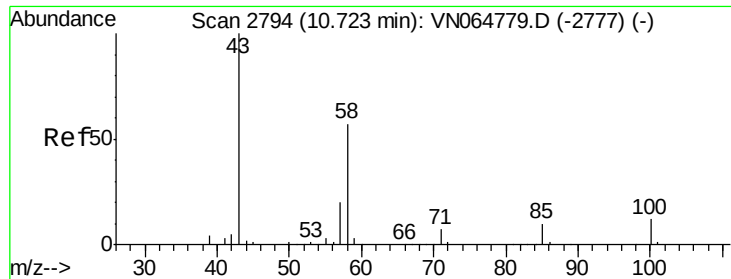
Tot Ion: 76 Resp: 174740
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.201 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 63 Resp: 408447
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1

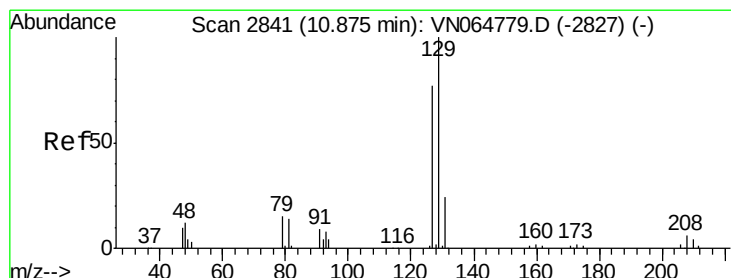
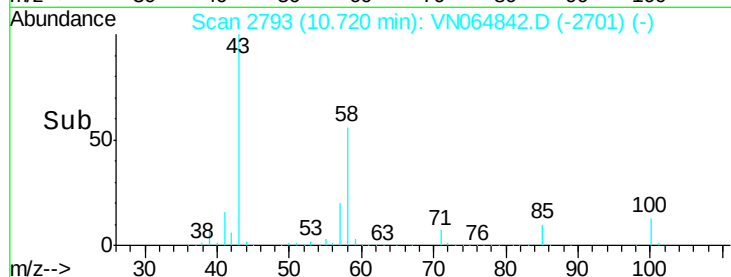
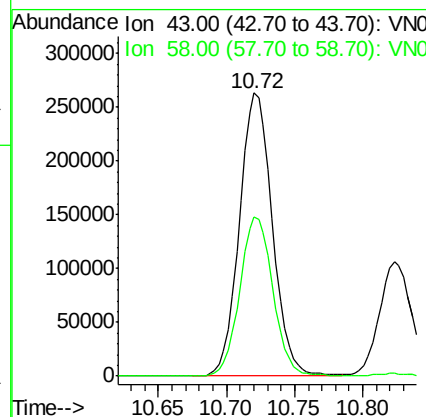
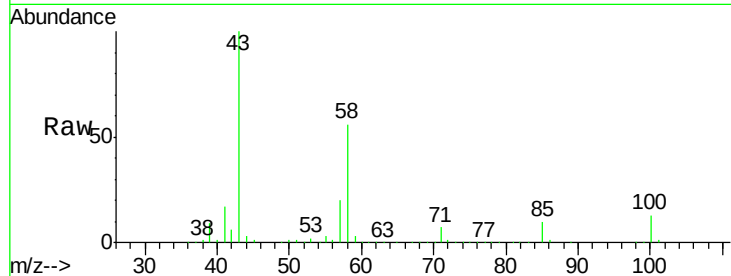




#59
2-Hexanone
Concen: 240.471 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

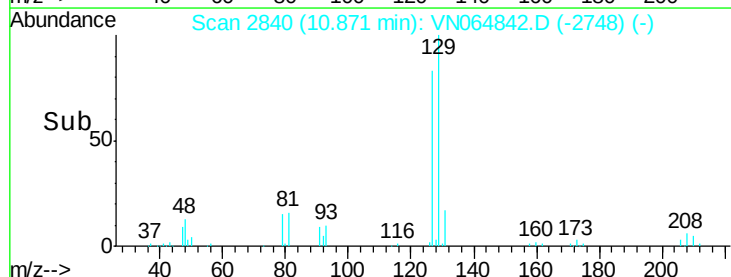
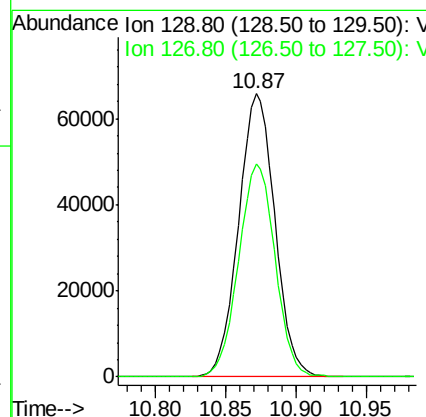
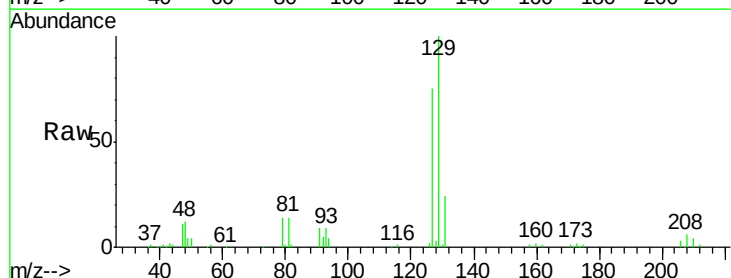
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

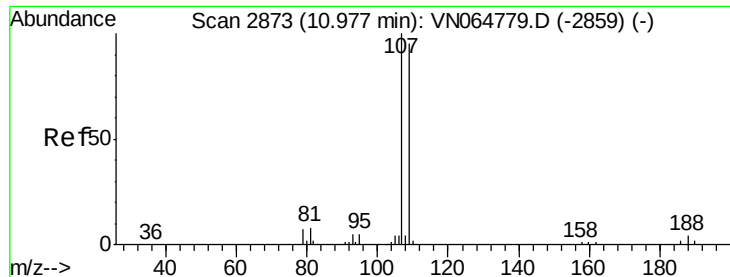
Tot Ion: 43 Resp: 441019
Ion Ratio Lower Upper
43 100
58 56.8 28.3 84.9



#60
Dibromochloromethane
Concen: 50.259 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 129 Resp: 118725
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.2

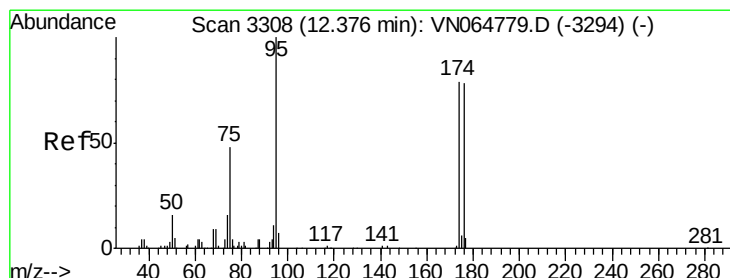
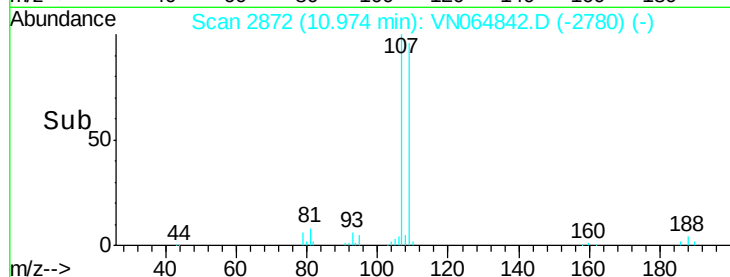
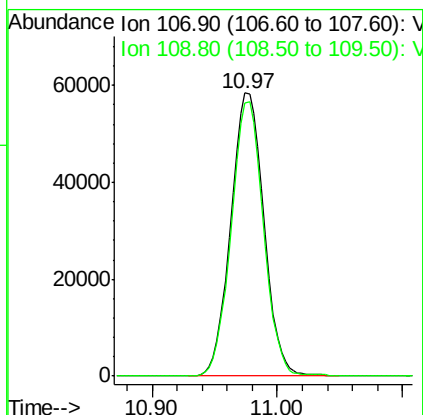
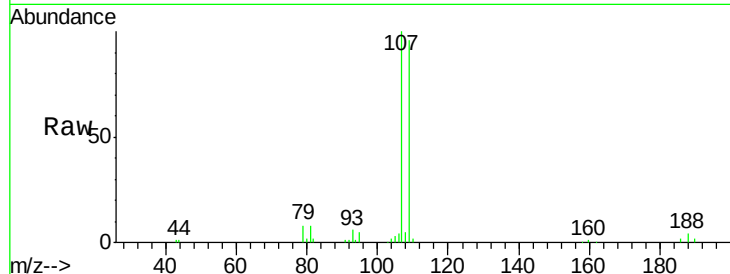




#61
 1,2-Dibromoethane
 Concen: 49.542 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

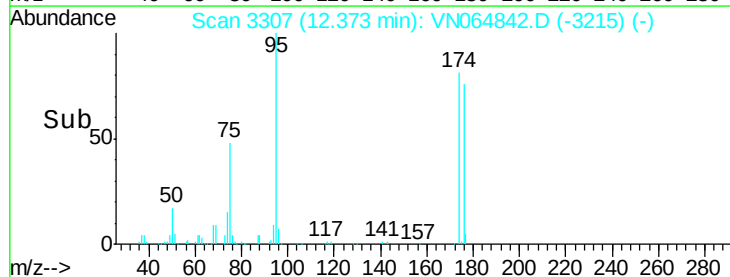
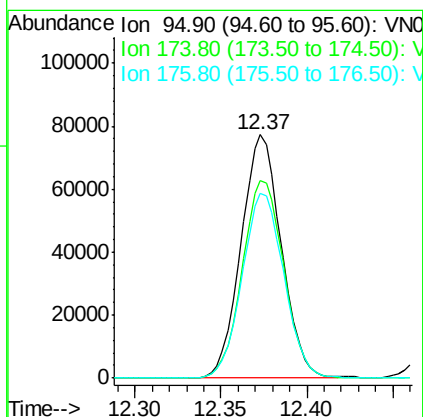
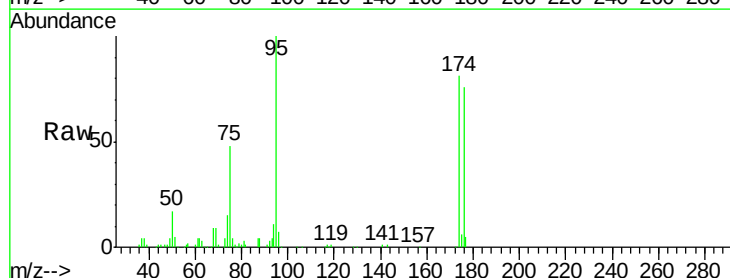
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

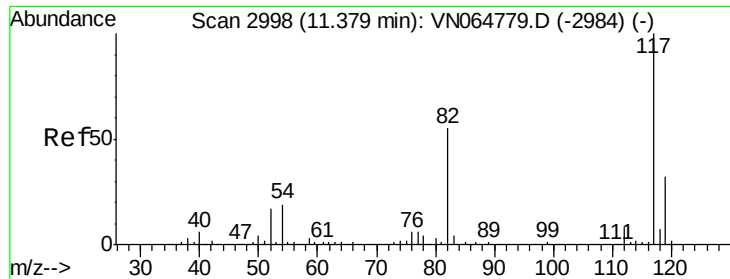
Tot Ion: 107 Resp: 106964
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 48.611 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion: 95 Resp: 125665
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 160.4
 176 78.9 0.0 158.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

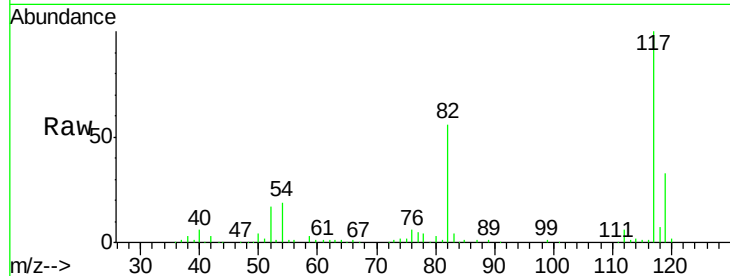
Tot Ion:117 Resp: 271167

Ion Ratio Lower Upper

117 100

82 55.9 44.2 66.2

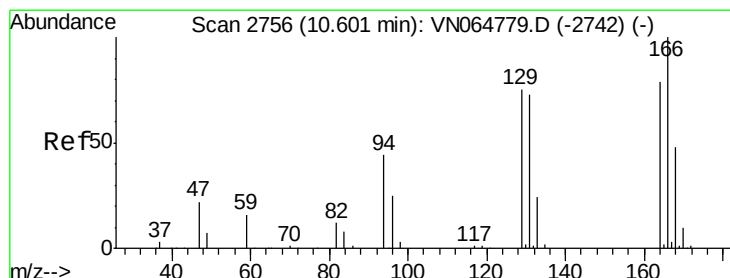
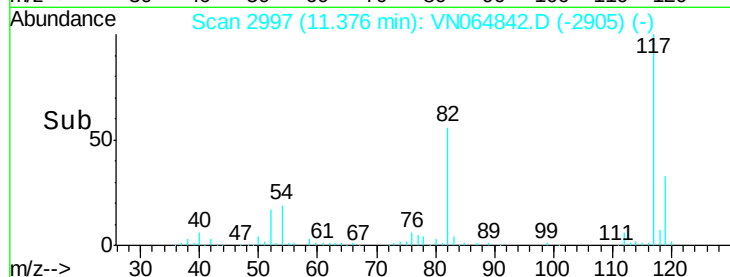
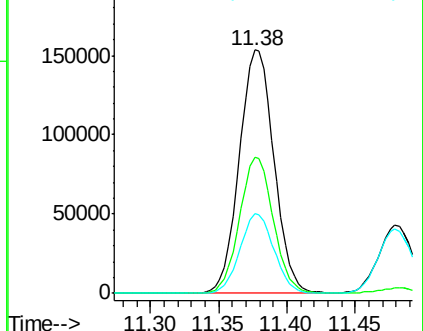
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 43.658 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion:164 Resp: 115177

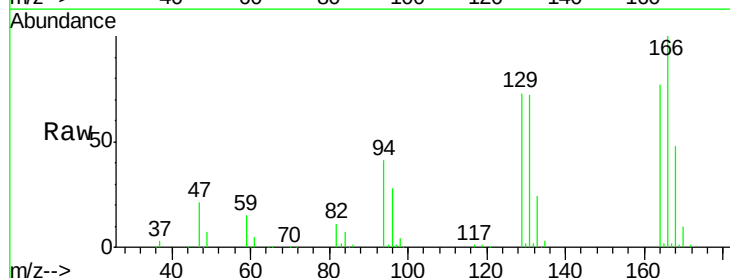
Ion Ratio Lower Upper

164 100

166 130.6 101.4 152.0

129 95.2 76.1 114.1

131 94.3 74.2 111.2

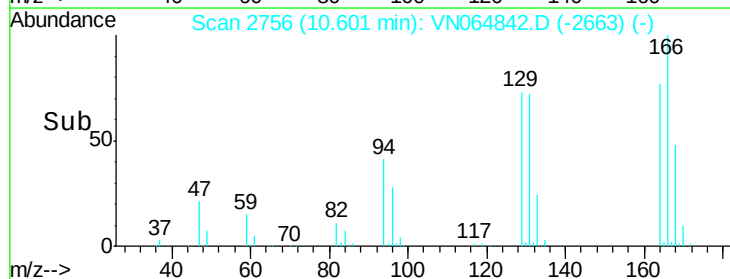
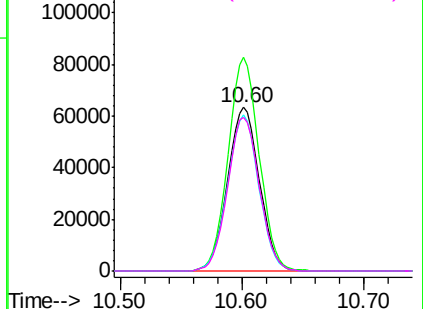


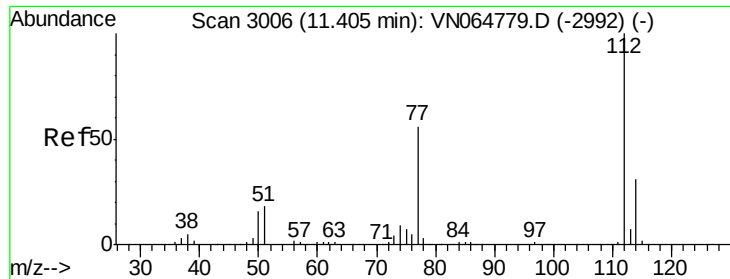
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.792 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

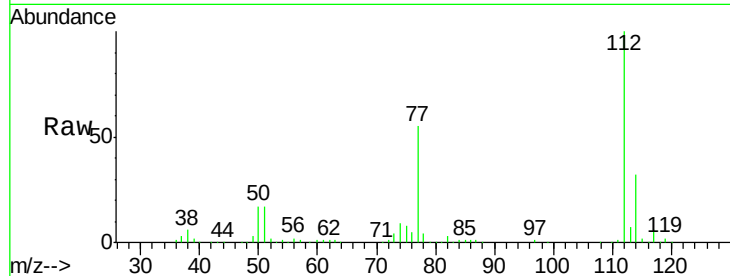
56BR-20201118MSD

Tot Ion:112 Resp: 284130

Ion Ratio Lower Upper

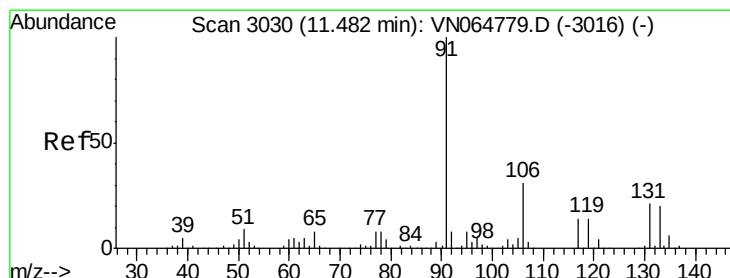
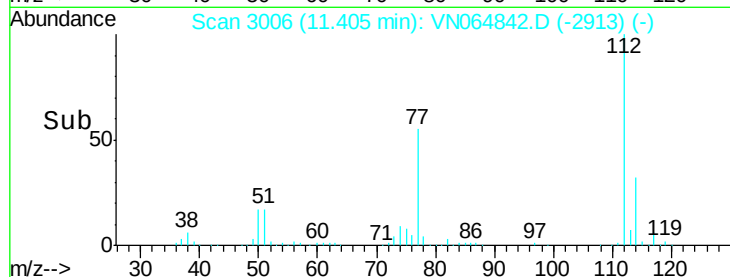
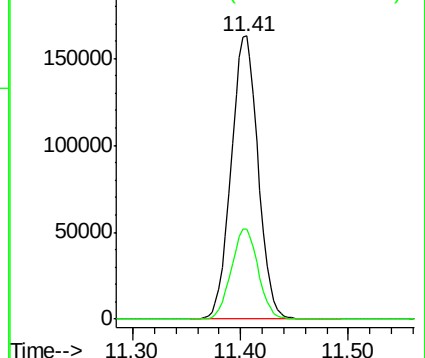
112 100

114 31.9 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.151 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

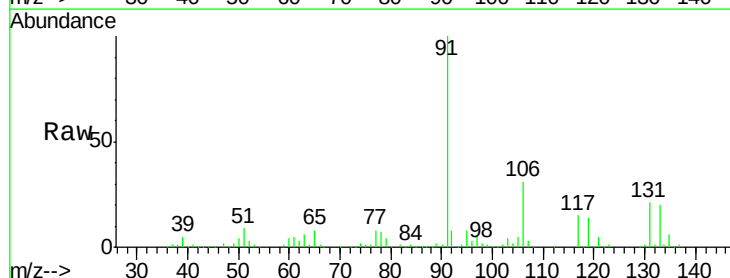
Tgt Ion:131 Resp: 107326

Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.5

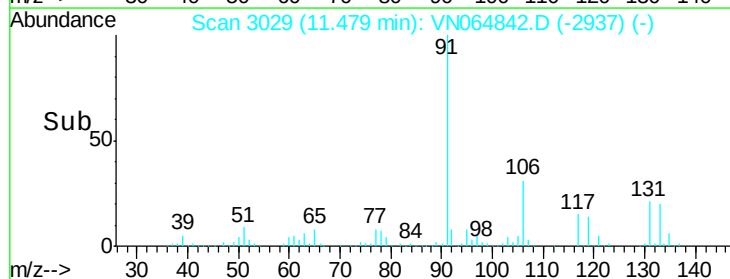
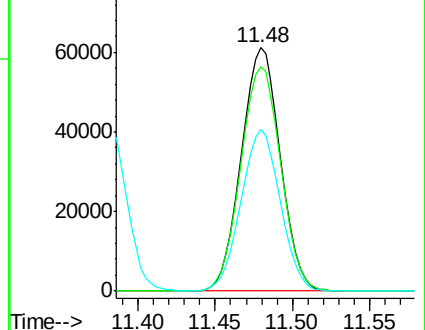
119 66.9 33.3 99.8

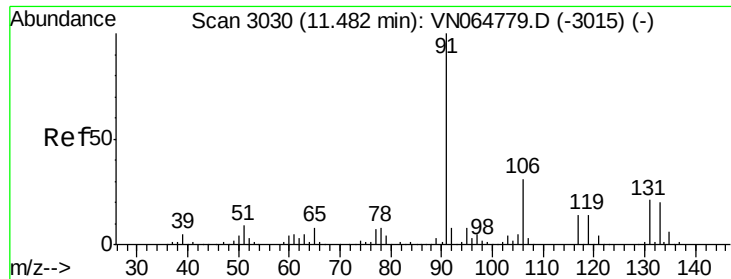


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

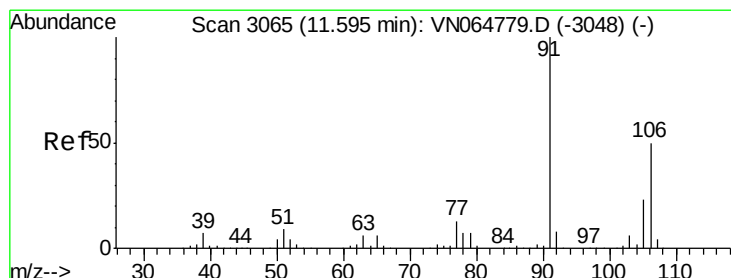
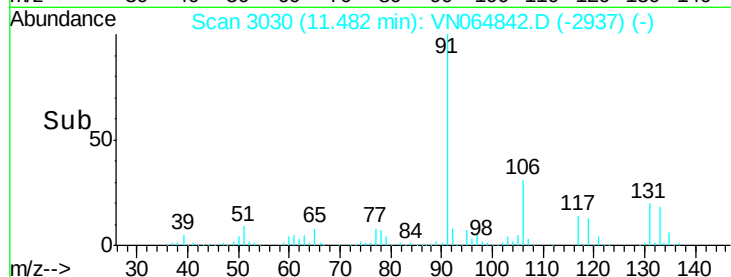
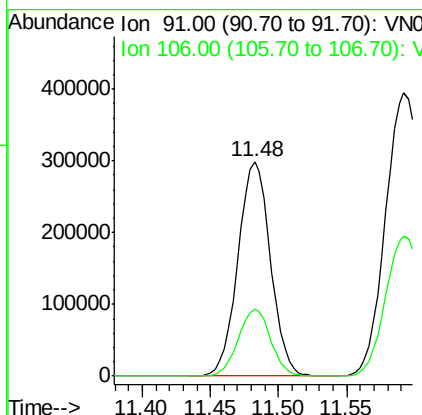
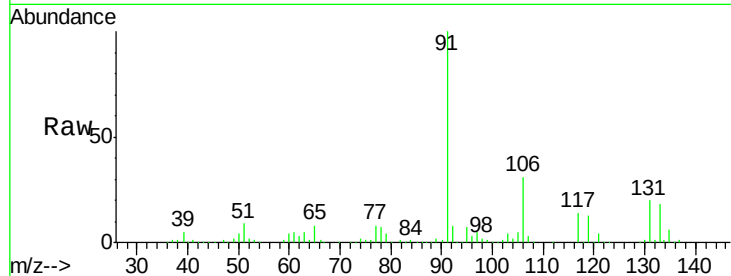




#67
Ethyl Benzene
Concen: 50.781 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

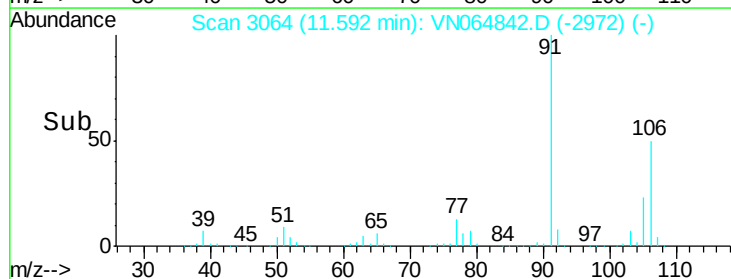
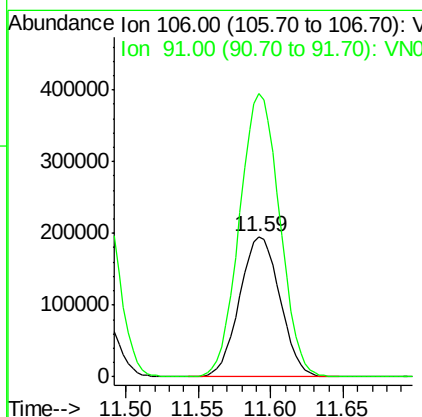
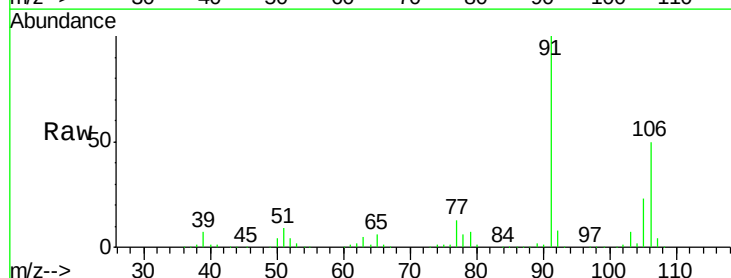
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

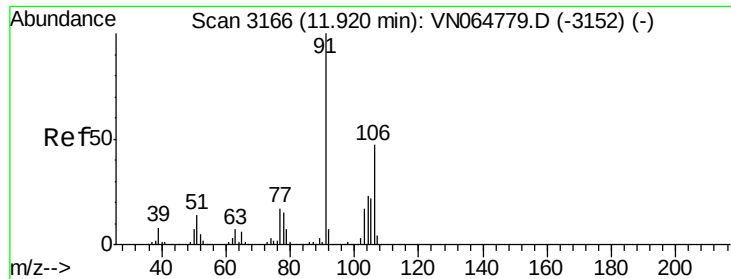
Tot Ion: 91 Resp: 493999
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8



#68
m/p-Xylenes
Concen: 102.877 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 106 Resp: 378910
Ion Ratio Lower Upper
106 100
91 200.9 161.0 241.4

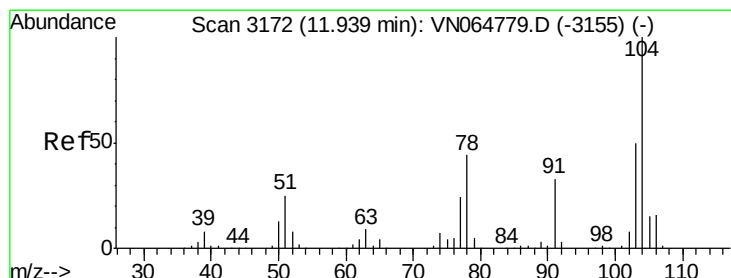
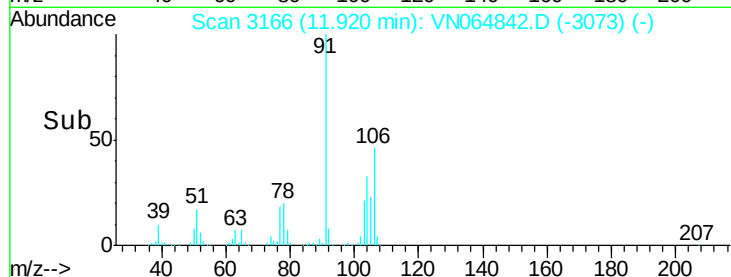
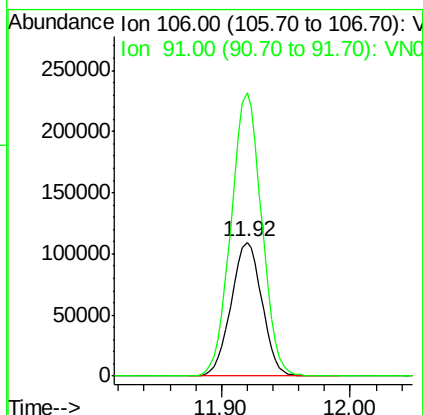
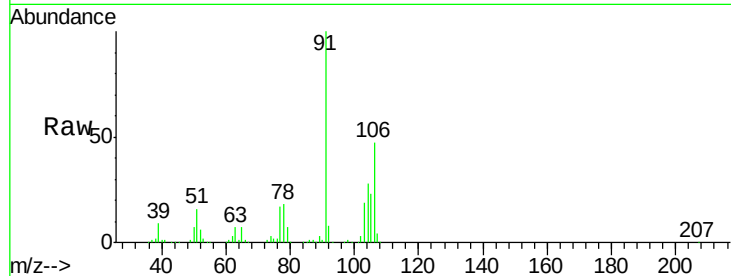




#69
o-Xylene
Concen: 52.090 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

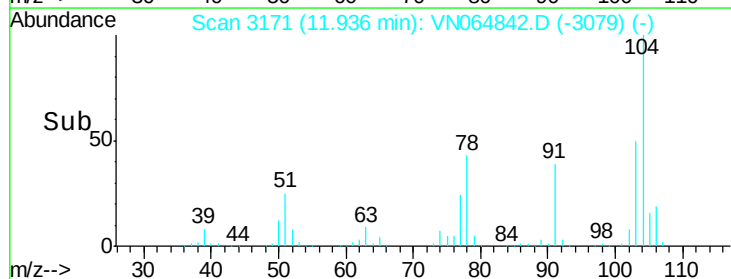
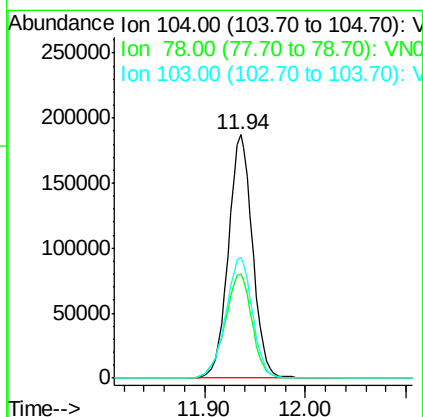
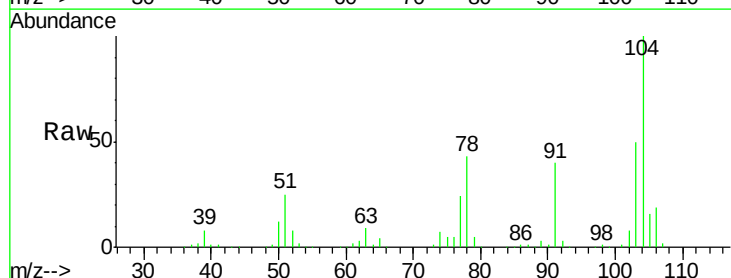
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

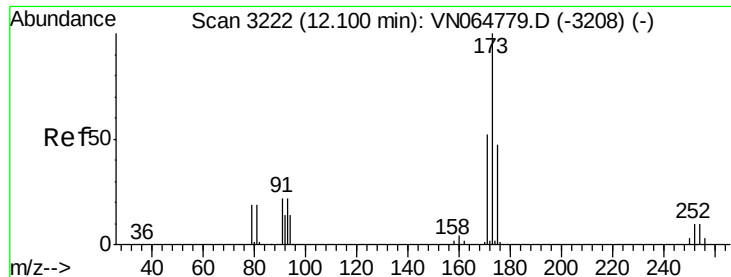
Tot Ion:106 Resp: 182061
Ion Ratio Lower Upper
106 100
91 210.2 105.5 316.5



#70
Styrene
Concen: 53.073 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion:104 Resp: 313148
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.6
103 54.5 44.3 66.5





#71

Bromoform

Concen: 48.666 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

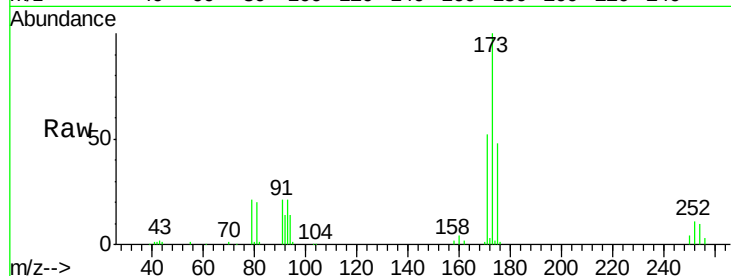
Tot Ion:173 Resp: 83184

Ion Ratio Lower Upper

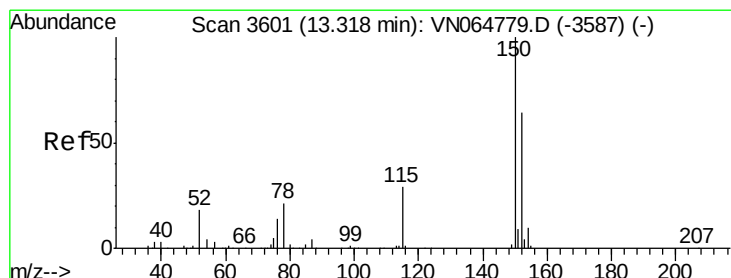
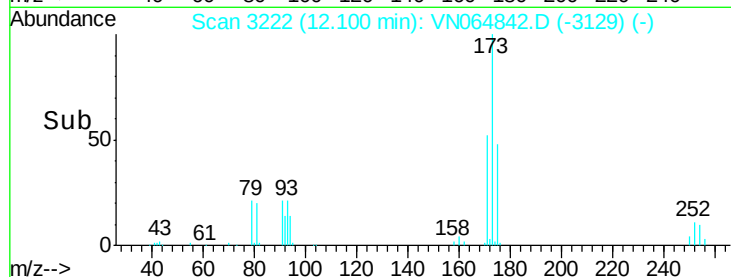
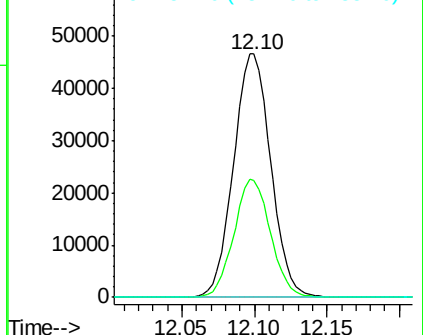
173 100

175 47.6 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

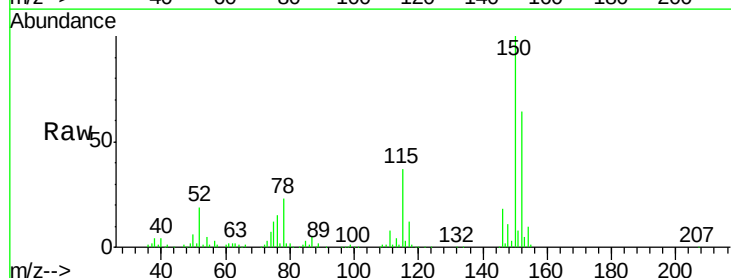
Tgt Ion:152 Resp: 135754

Ion Ratio Lower Upper

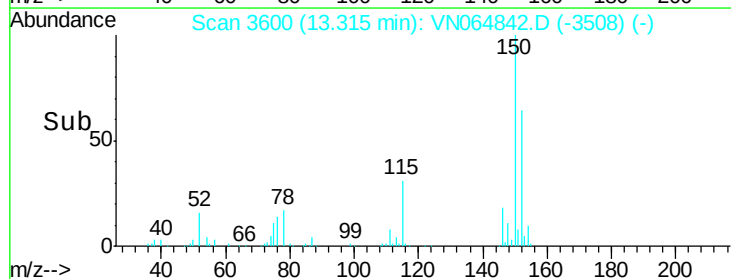
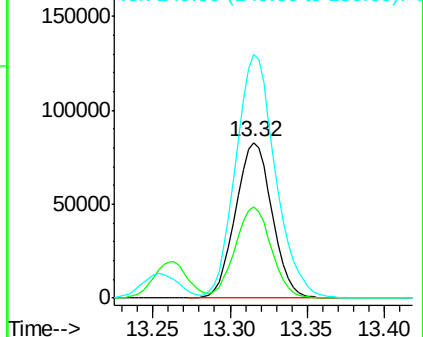
152 100

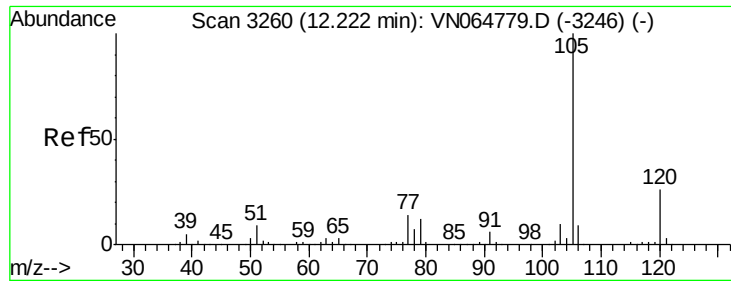
115 58.4 29.7 89.1

150 170.8 0.0 350.6



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: 50.958 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

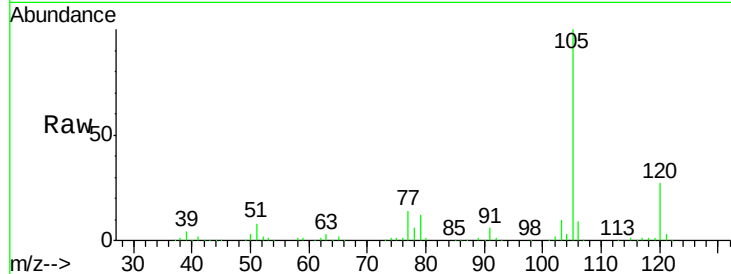
56BR-20201118MSD

Tot Ion:105 Resp: 481179

Ion Ratio Lower Upper

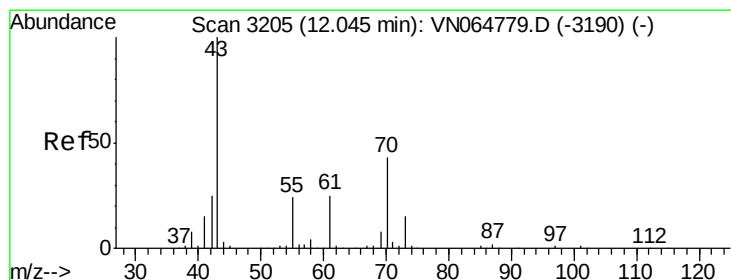
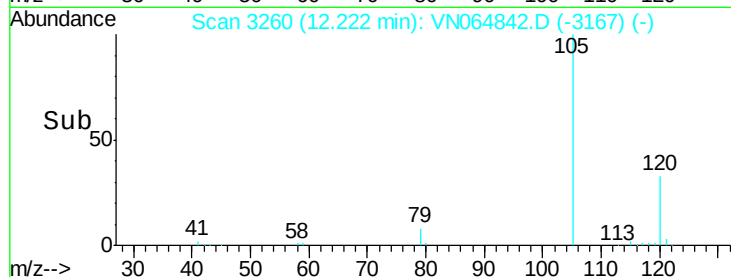
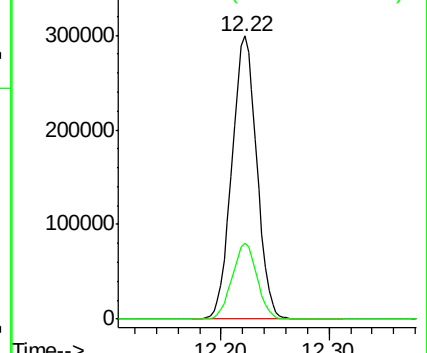
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.983 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Tgt Ion: 43 Resp: 174589

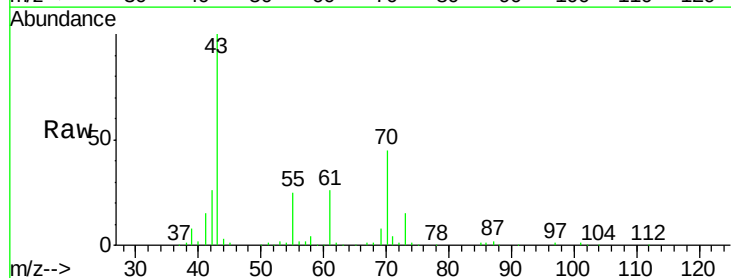
Ion Ratio Lower Upper

43 100

70 45.7 34.5 51.7

55 26.1 20.4 30.6

61 24.9 20.0 30.0

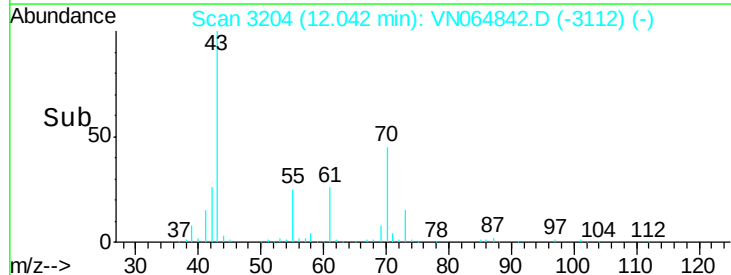
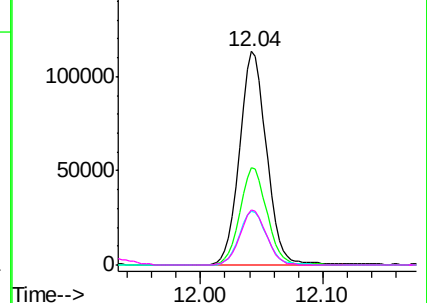


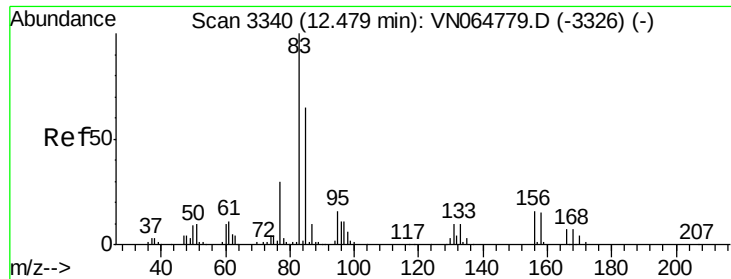
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.184 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

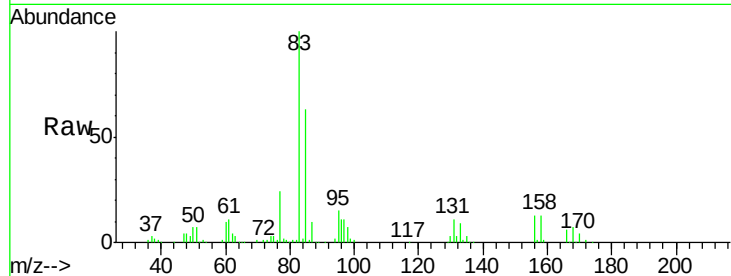
Tot Ion: 83 Resp: 136124

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

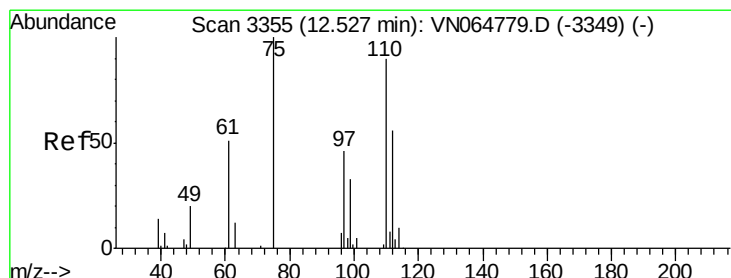
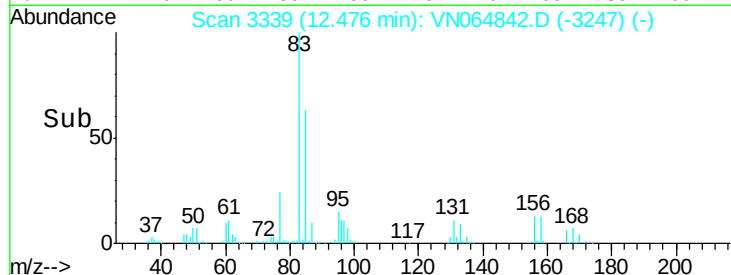
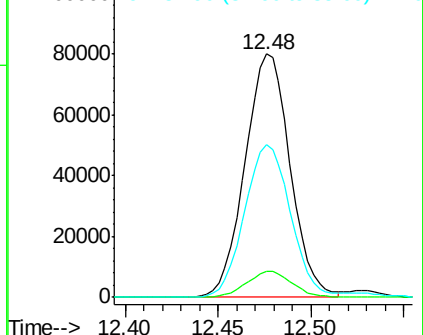
85 63.8 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 62.982 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064842.D

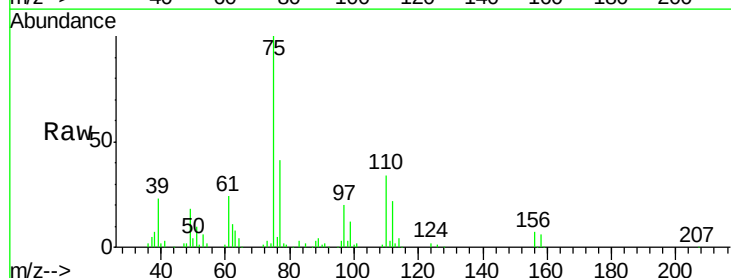
Acq: 25 Nov 2020 4:43

Tgt Ion: 75 Resp: 184133

Ion Ratio Lower Upper

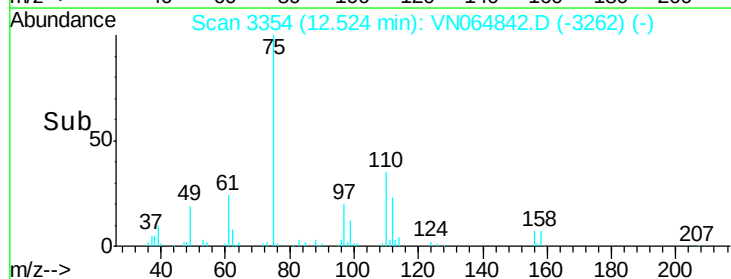
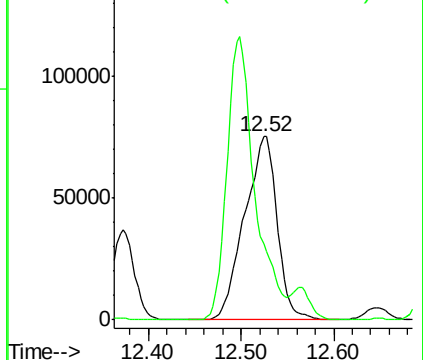
75 100

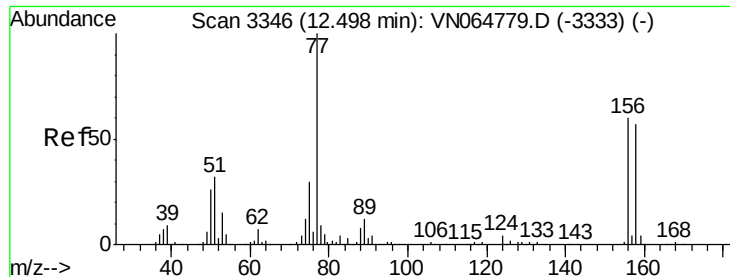
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.233 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

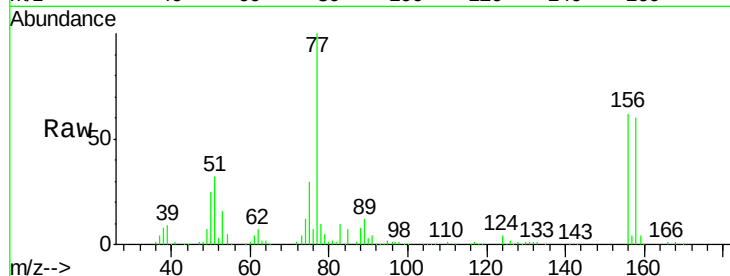
Tot Ion:156 Resp: 122789

Ion Ratio Lower Upper

156 100

77 198.2 101.3 303.7

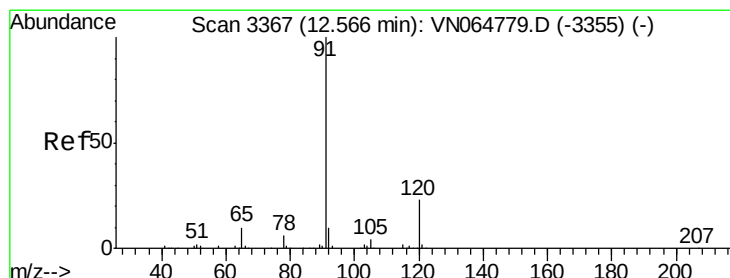
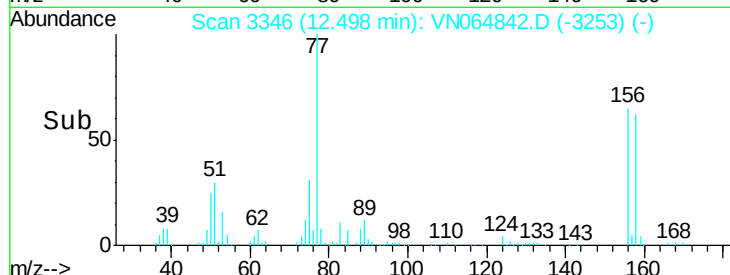
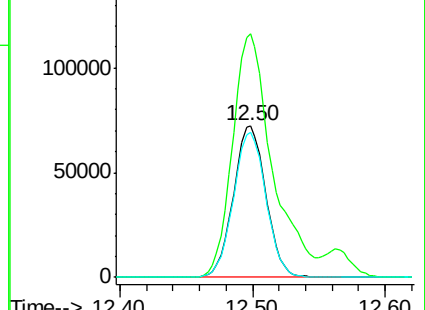
158 96.0 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.257 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064842.D

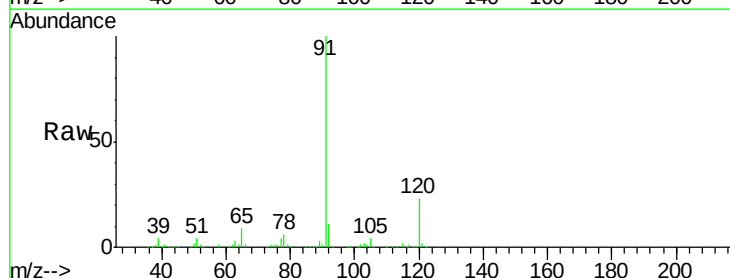
Acq: 25 Nov 2020 4:43

Tgt Ion: 91 Resp: 540615

Ion Ratio Lower Upper

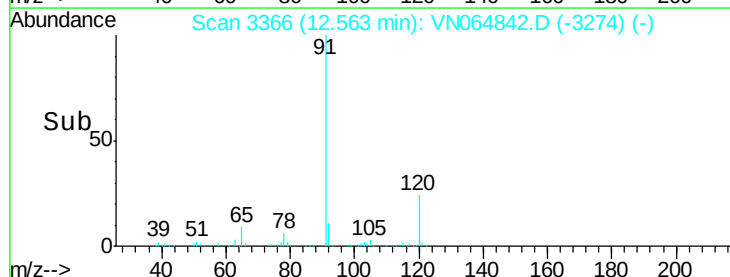
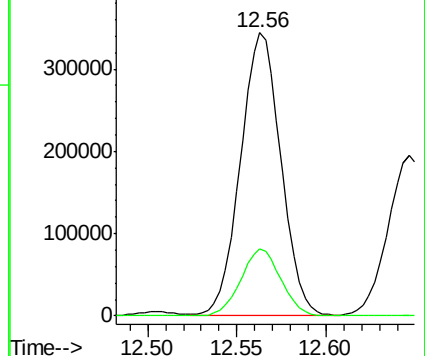
91 100

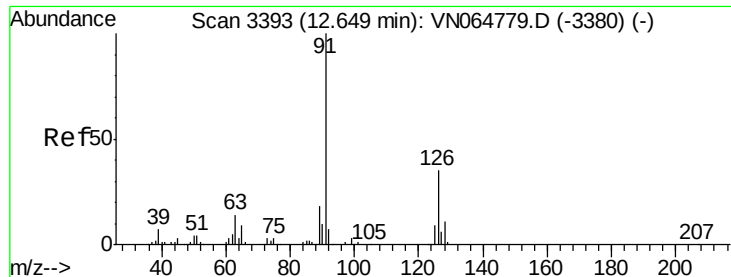
120 23.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.334 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

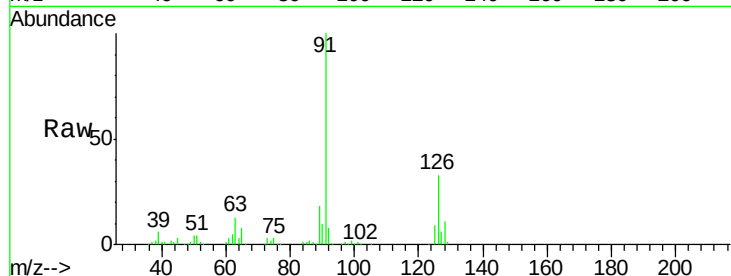
56BR-20201118MSD

Tot Ion: 91 Resp: 321392

Ion Ratio Lower Upper

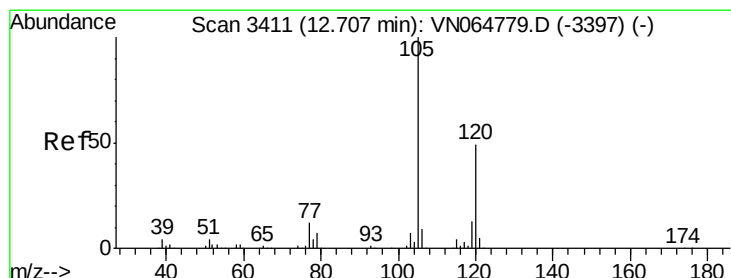
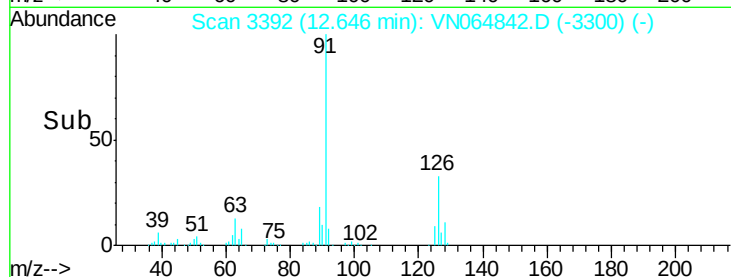
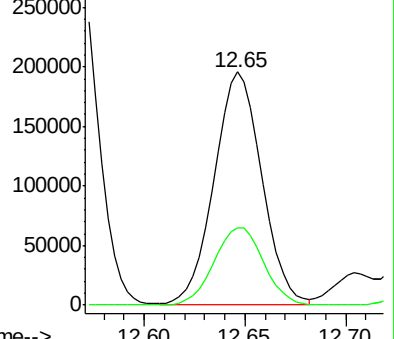
91 100

126 35.0 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.752 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064842.D

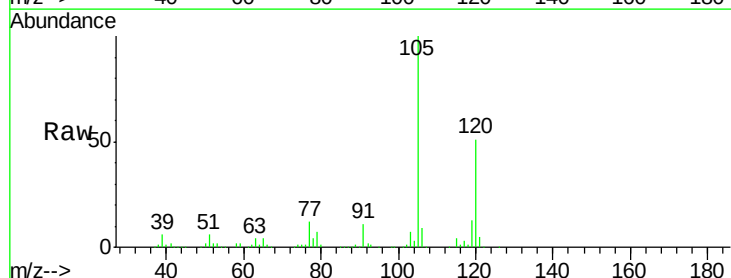
Acq: 25 Nov 2020 4:43

Tgt Ion: 105 Resp: 406188

Ion Ratio Lower Upper

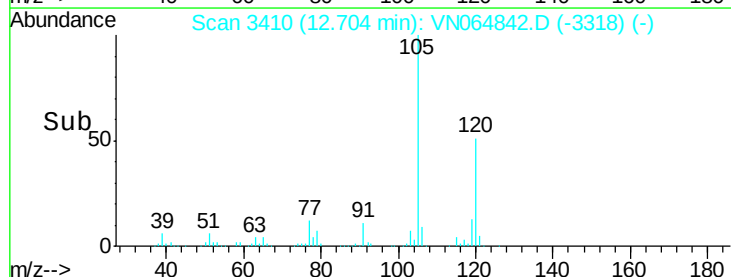
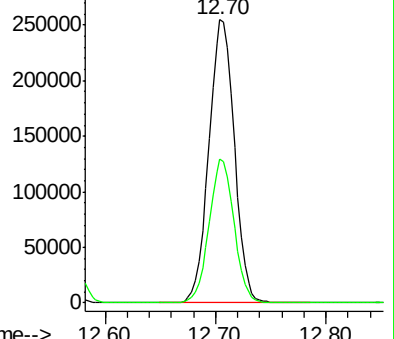
105 100

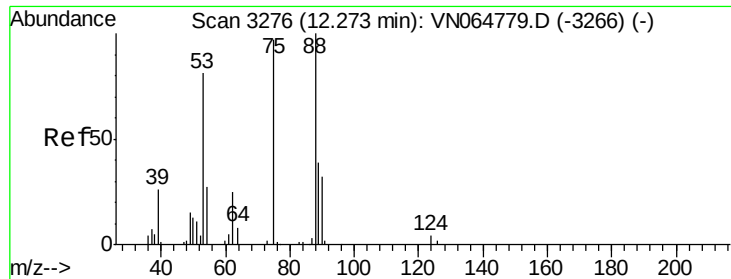
120 49.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

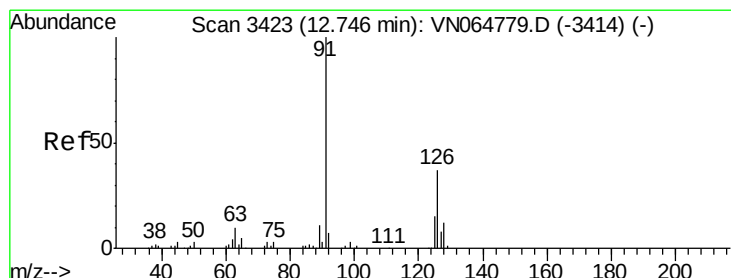
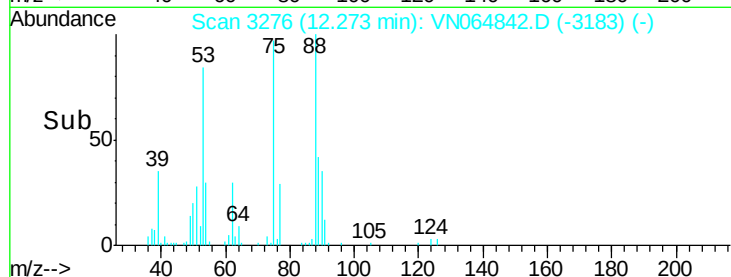
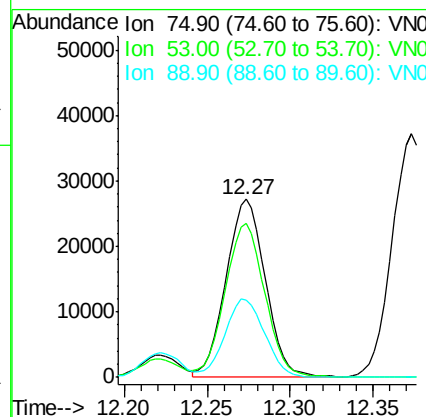
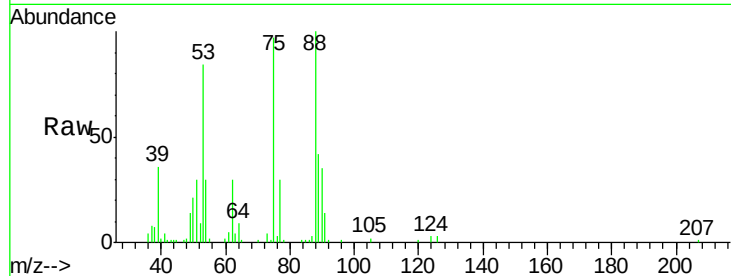




#81
trans-1,4-Dichloro-2-butene
Concen: 42.155 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

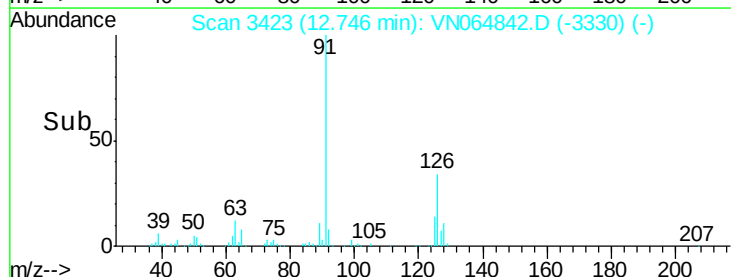
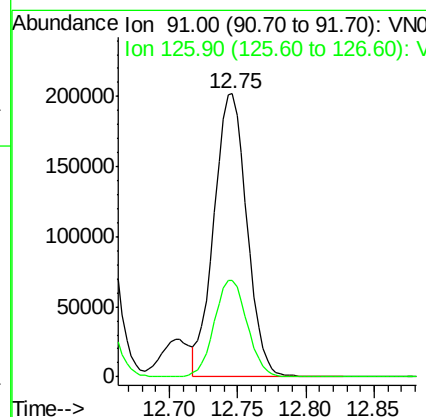
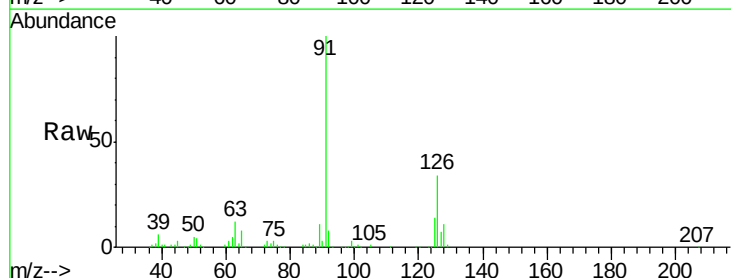
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

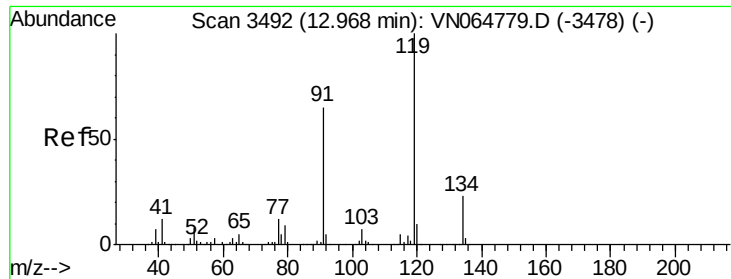
Tot Ion: 75 Resp: 44967
Ion Ratio Lower Upper
75 100
53 87.4 67.0 100.4
89 44.3 39.6 59.4



#82
4-Chlorotoluene
Concen: 48.408 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 91 Resp: 337397
Ion Ratio Lower Upper
91 100
126 34.4 16.9 50.7

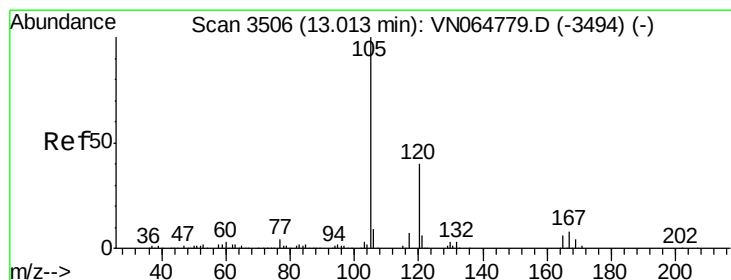
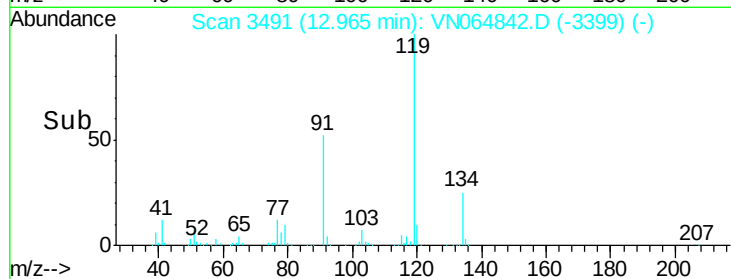
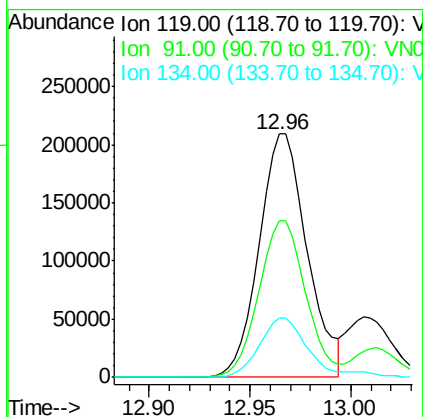
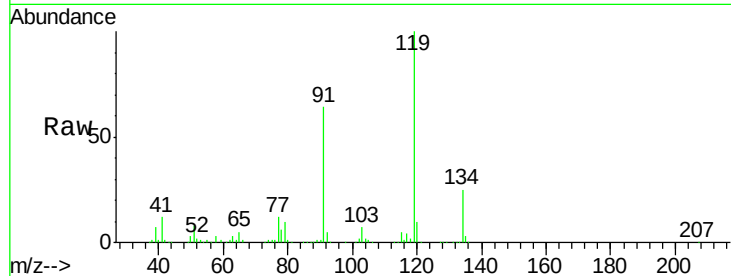




#83
 tert-Butylbenzene
 Concen: 52.740 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

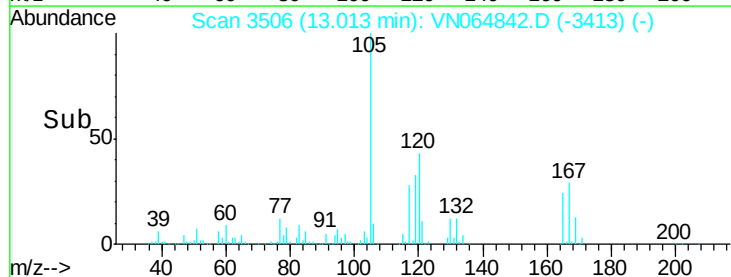
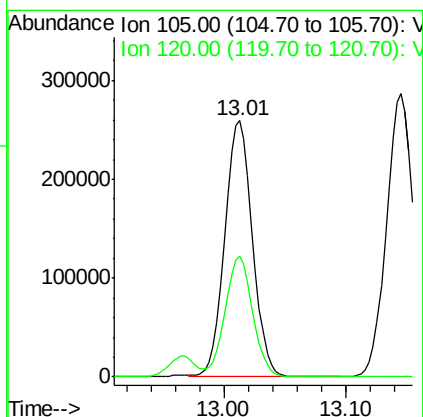
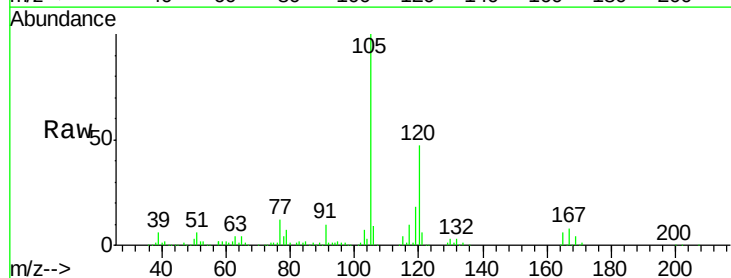
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

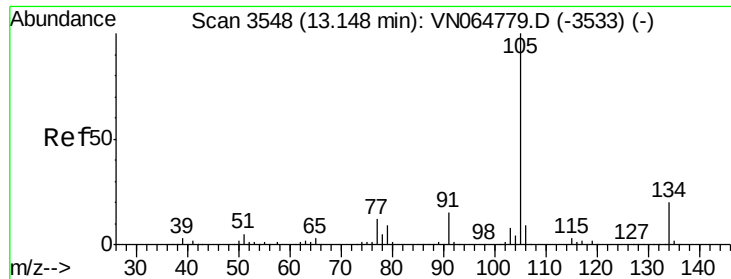
Tot Ion:119 Resp: 346965
 Ion Ratio Lower Upper
 119 100
 91 62.7 32.3 96.8
 134 23.7 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.845 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion:105 Resp: 411423
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.1 69.2

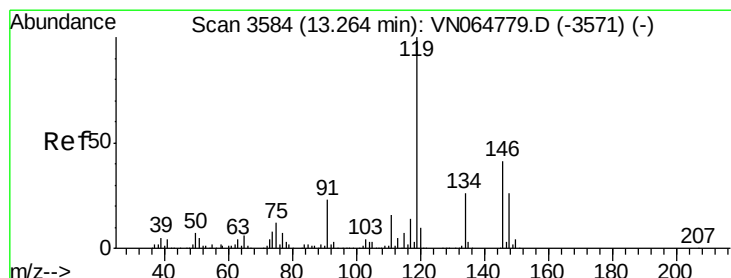
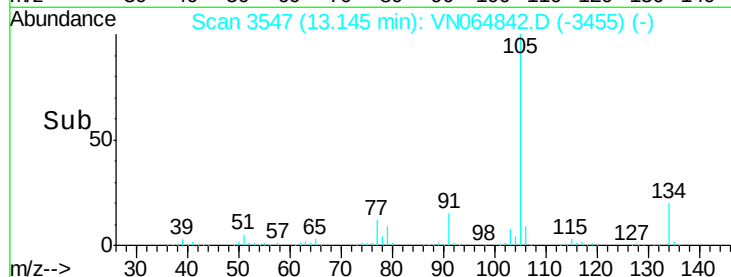
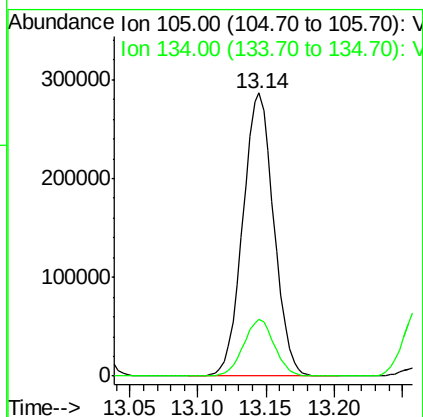
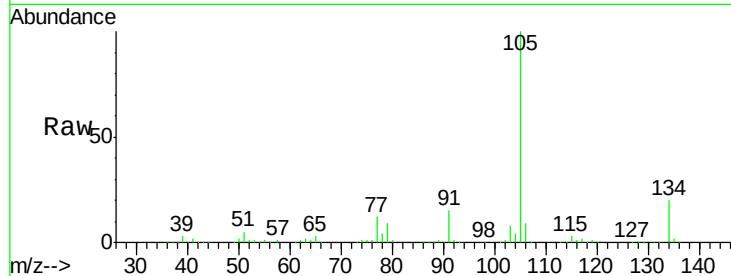




#85
 sec-Butylbenzene
 Concen: 51.374 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

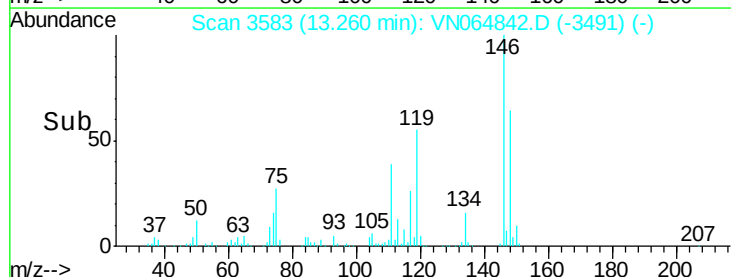
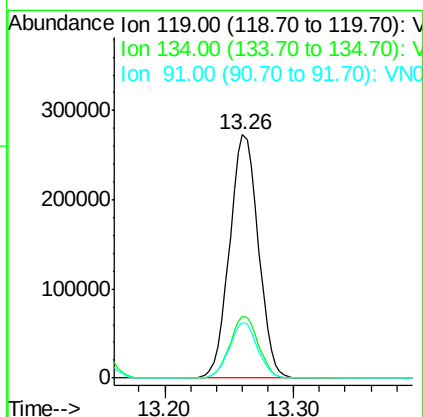
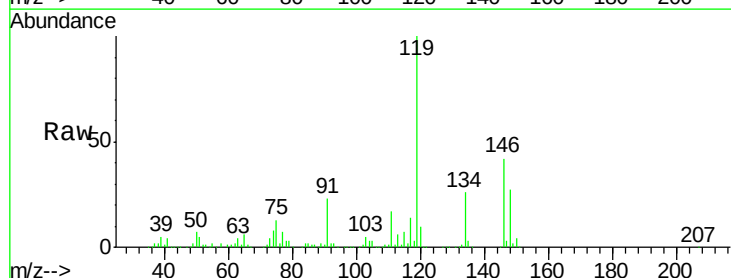
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

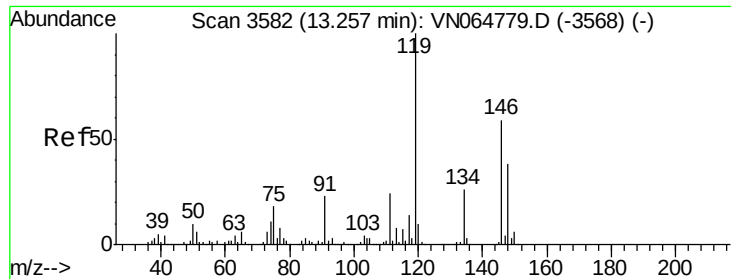
Tot Ion:105 Resp: 448742
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 52.986 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion:119 Resp: 421365
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.1 39.1
 91 22.2 11.5 34.5

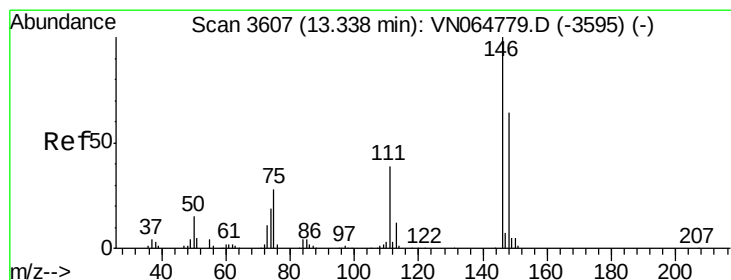
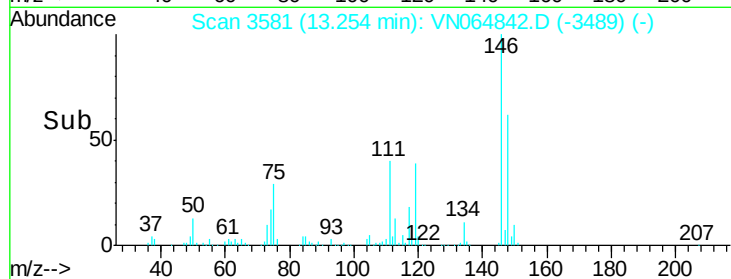
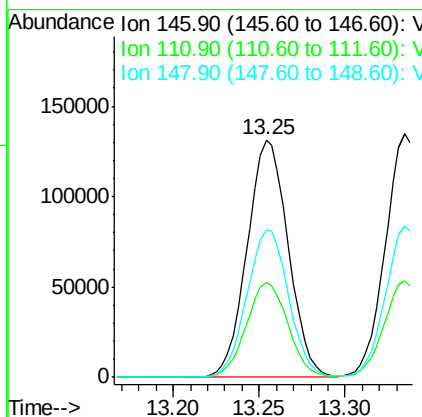
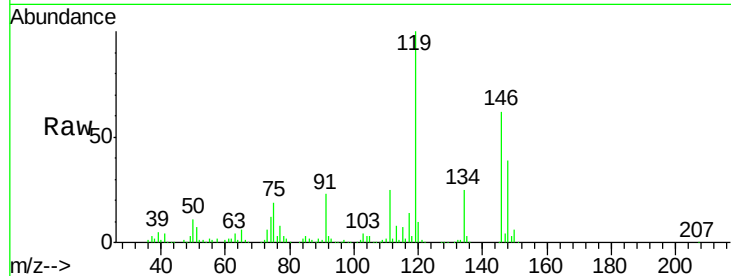




#87
 1,3-Dichlorobenzene
 Concen: 48.057 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

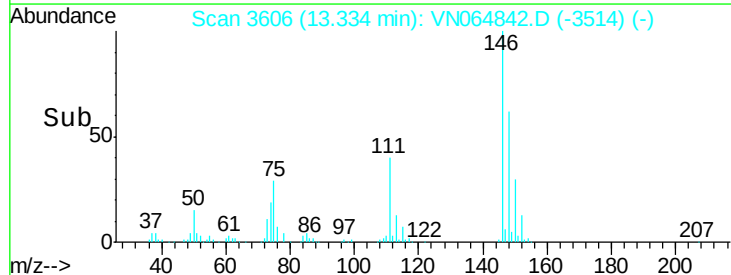
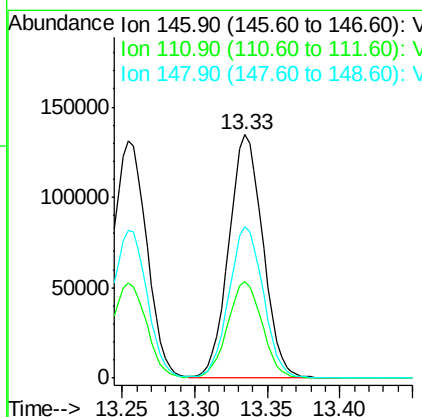
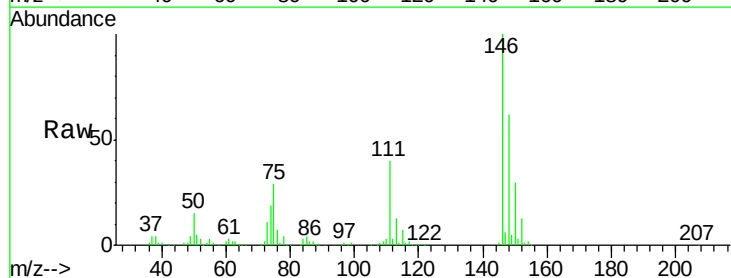
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

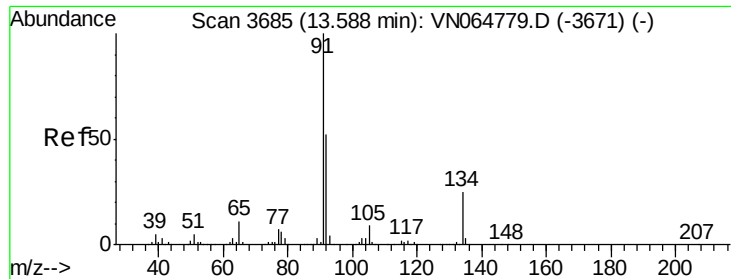
Tot Ion:146 Resp: 217356
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.6 61.9
 148 63.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 45.803 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion:146 Resp: 219083
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.3
 148 63.1 31.9 95.5

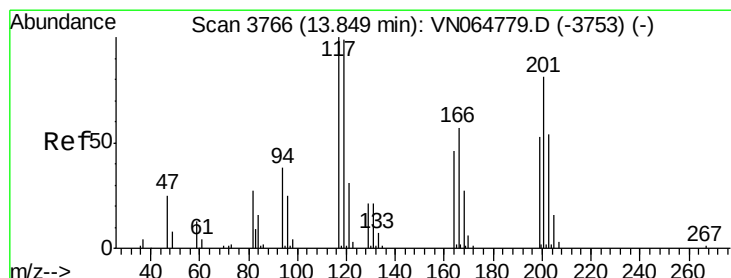
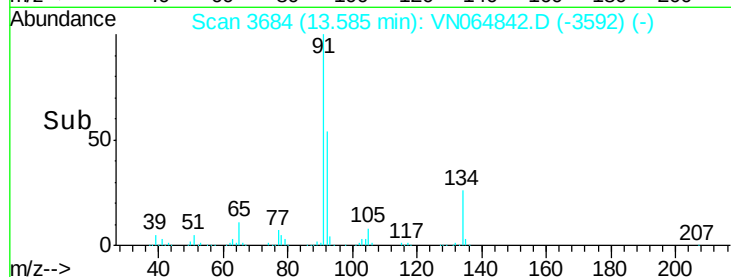
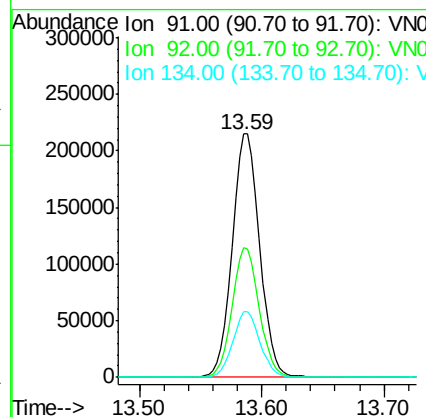
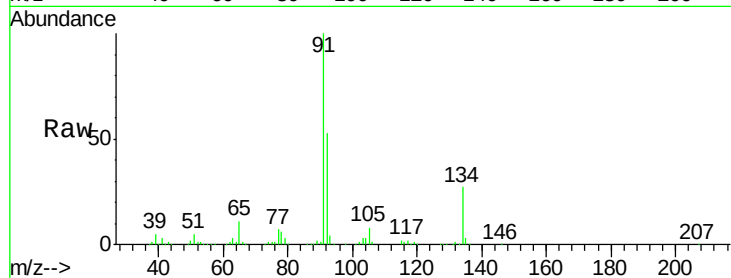




#89
n-Butylbenzene
Concen: 48.502 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

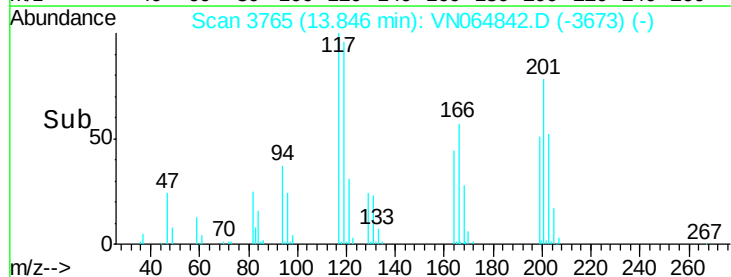
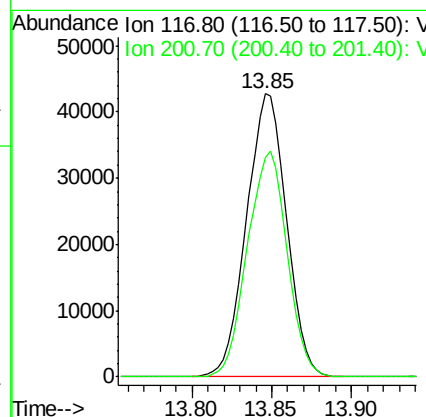
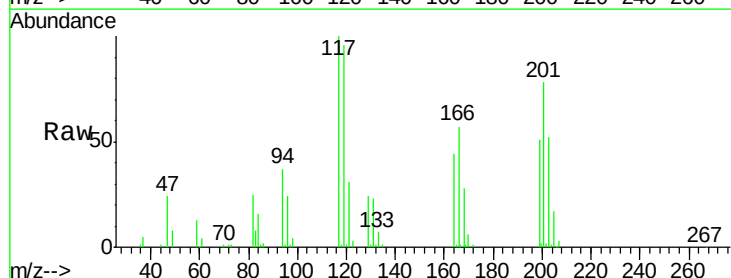
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MSD

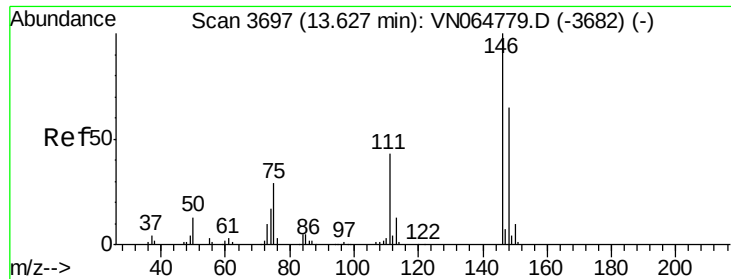
Tot Ion: 91 Resp: 338721
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 26.6 12.9 38.6



#90
Hexachloroethane
Concen: 52.979 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064842.D
Acq: 25 Nov 2020 4:43

Tgt Ion: 117 Resp: 73190
Ion Ratio Lower Upper
117 100
201 78.9 40.1 120.3

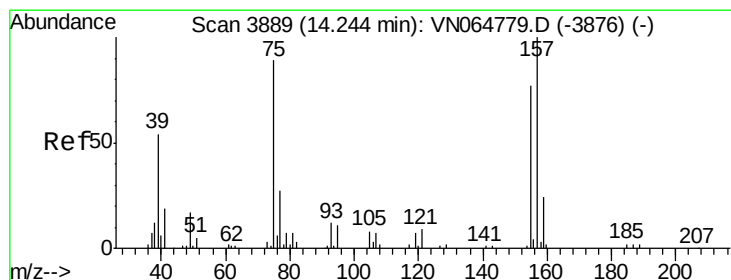
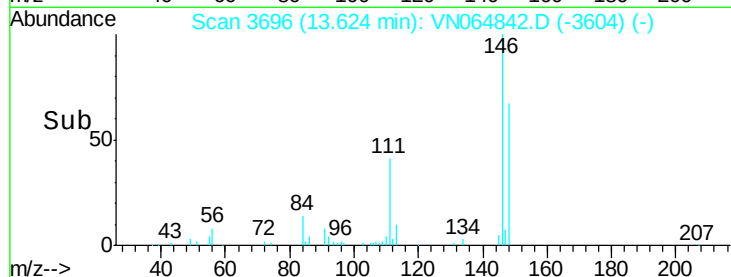
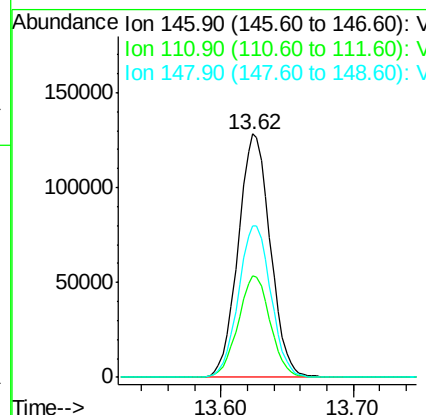
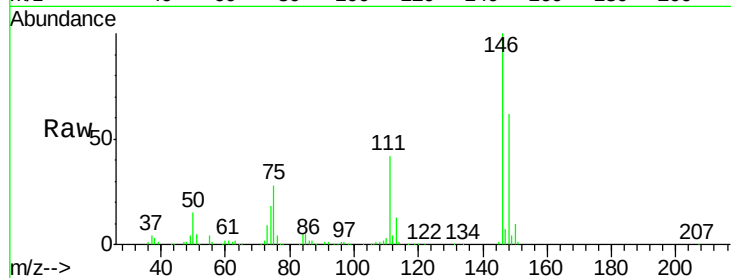




#91
 1,2-Dichlorobenzene
 Concen: 48.599 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

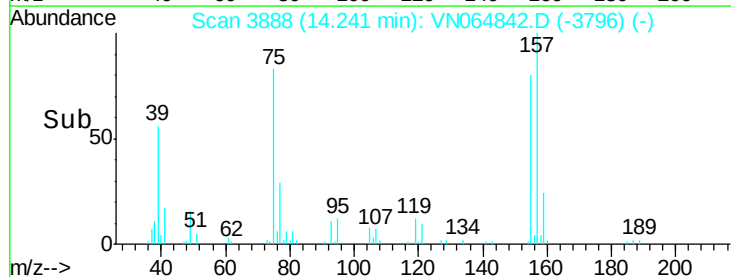
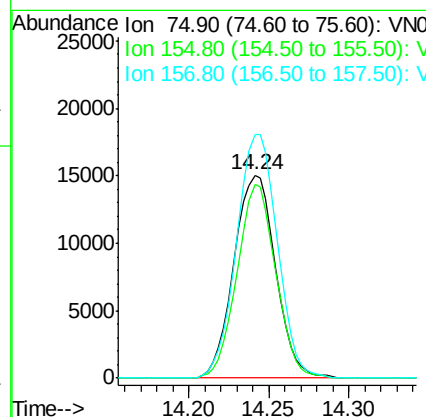
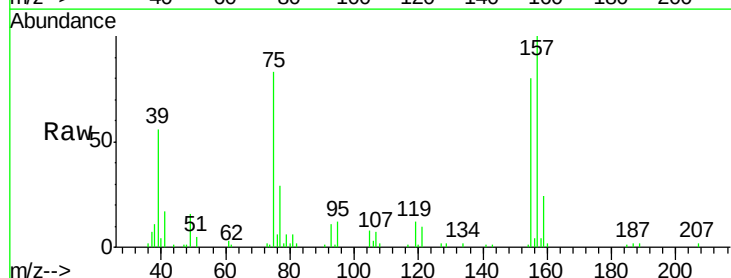
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

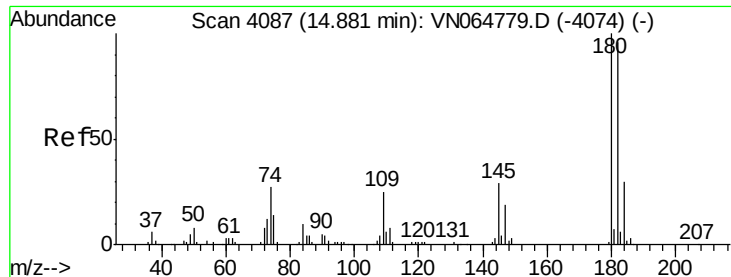
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.1
148	63.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.700 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	42.8	128.3
157	118.0	56.4	169.1

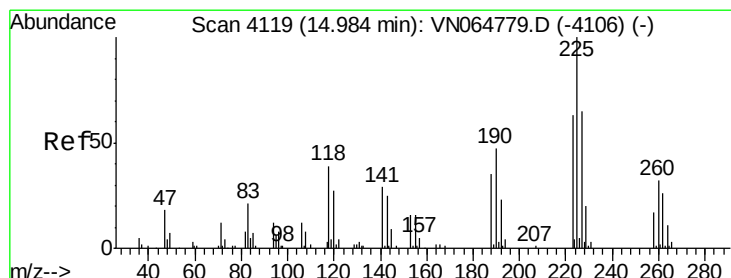
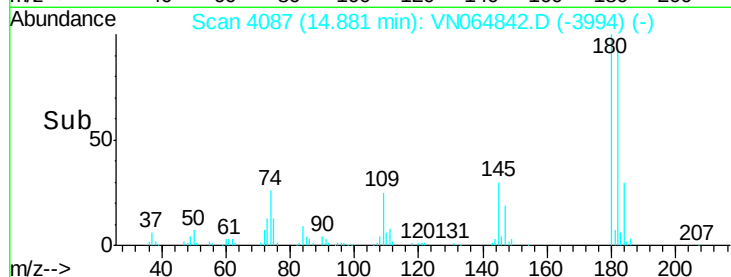
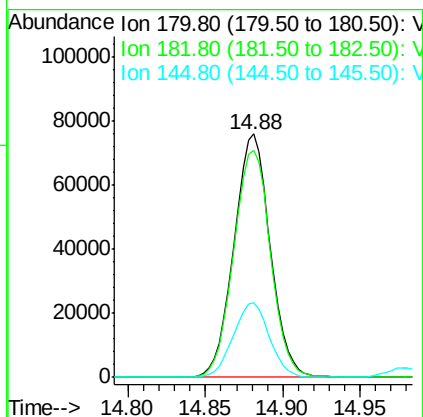
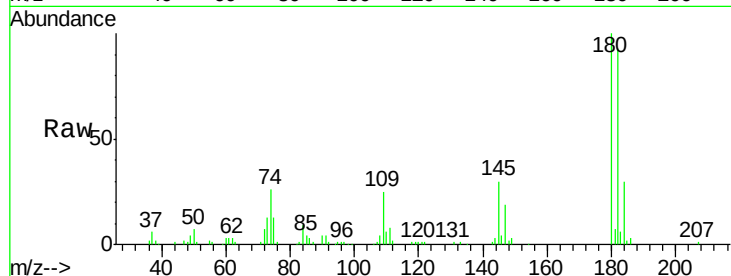




#93
 1,2,4-Trichlorobenzene
 Concen: 44.970 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

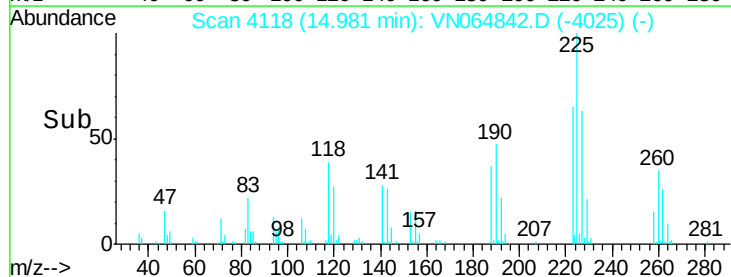
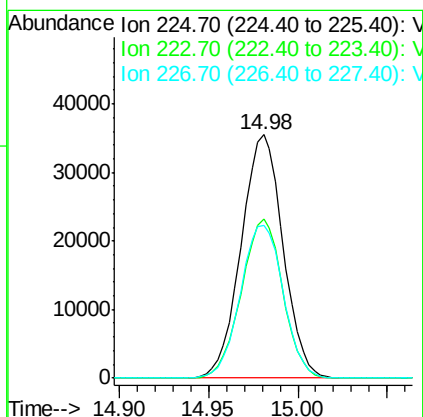
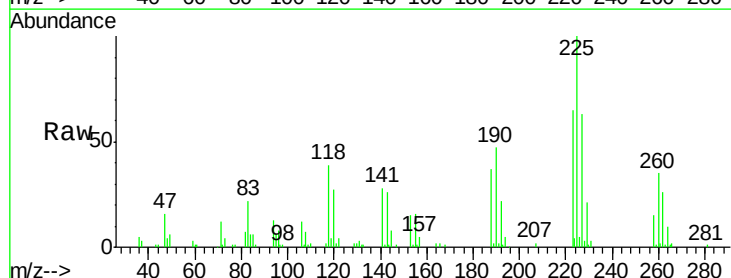
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MSD

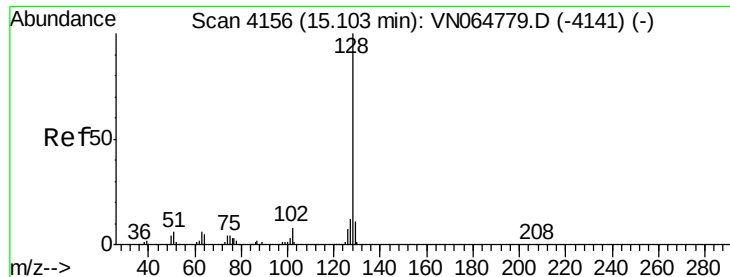
Tot Ion:180 Resp: 123543
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.6 142.9
 145 30.6 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 46.990 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064842.D
 Acq: 25 Nov 2020 4:43

Tgt Ion:225 Resp: 58104
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.0 93.0
 227 64.2 32.0 96.0





#95

Naphthalene

Concen: 46.571 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MSD

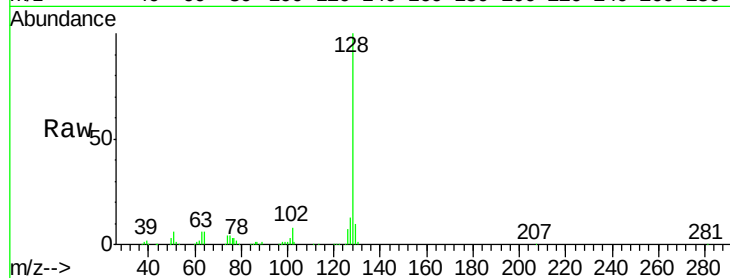
Tot Ion:128 Resp: 383296

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

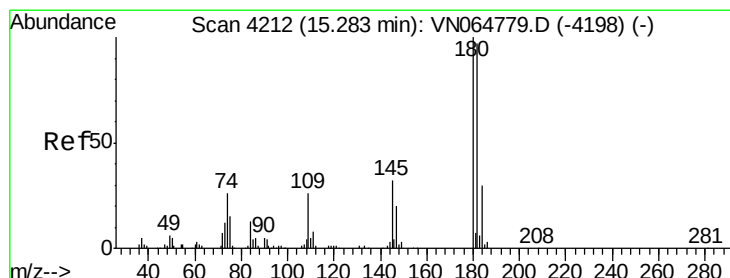
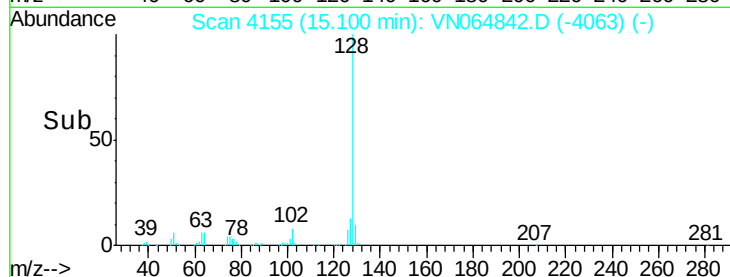
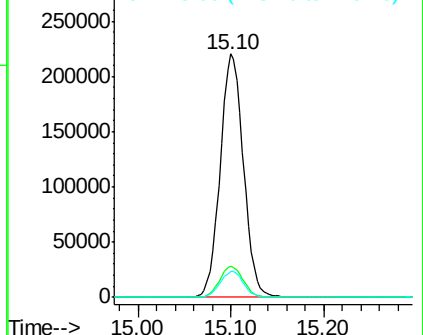
129 10.8 8.7 13.1



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: 47.257 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064842.D

Acq: 25 Nov 2020 4:43

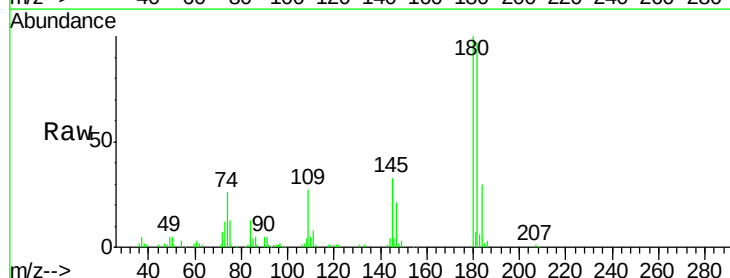
Tgt Ion:180 Resp: 123170

Ion Ratio Lower Upper

180 100

182 96.1 48.1 144.4

145 33.0 16.4 49.1



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

