

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038153.D
 Acq On : 7 Dec 2021 16:48
 Operator : SY/AP
 Sample : M4897-03DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Quant Time: Dec 08 02:02:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	904181	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2313278	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2010061	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1558481	10.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds

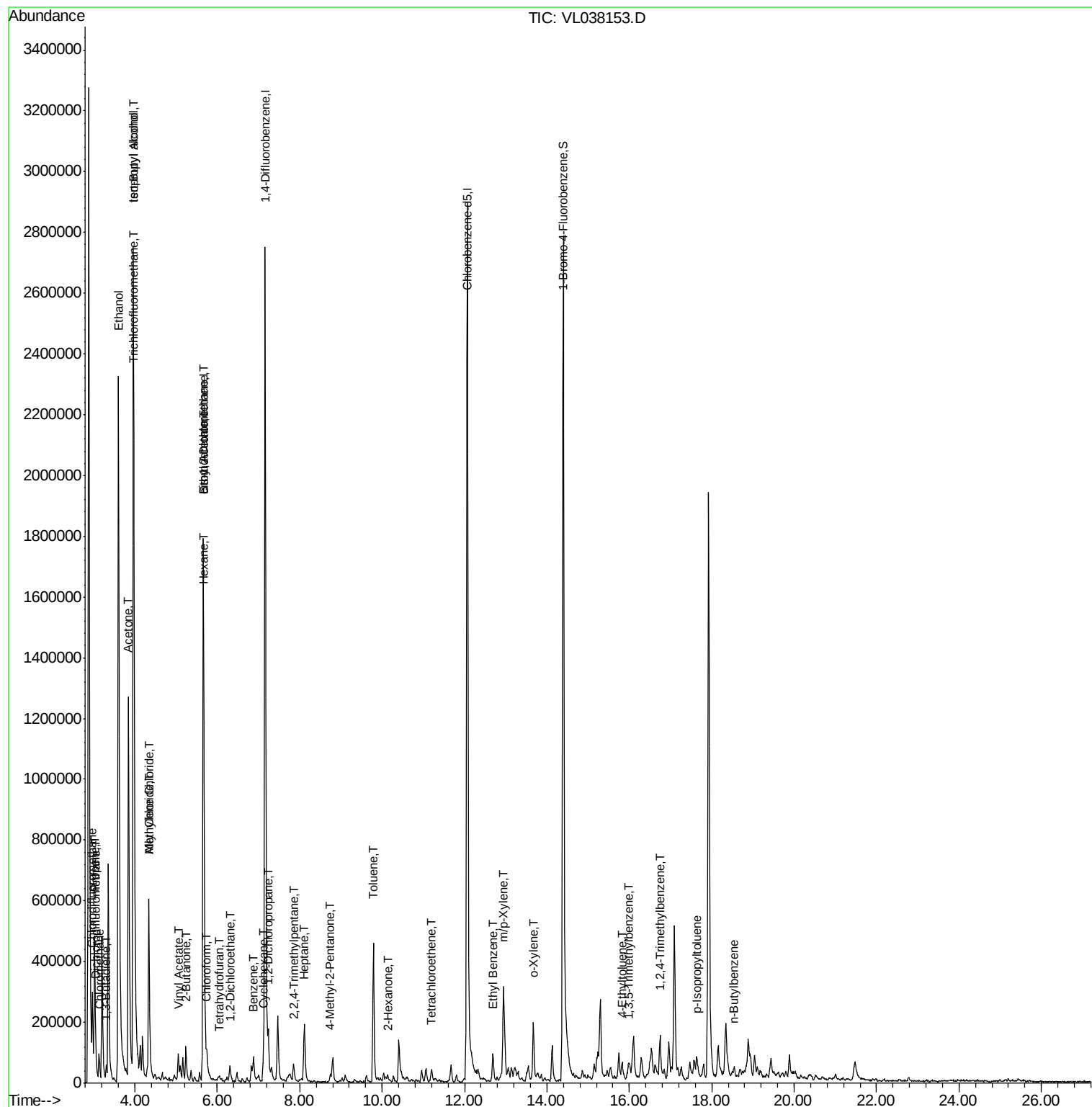
					Ovalue
2) Dichlorodifluoromethane	3.05	85	39991	0.268 ppbv	96
3) Chlorodifluoromethane	2.96	51	248115	1.307 ppbv #	68
4) Chloromethane	3.14	50	40113	0.621 ppbv	92
9) Propene	3.02	41	126406	1.808 ppbv #	73
10) Heptane	8.10	43	75897	0.439 ppbv	95
11) Trichlorofluoromethane	3.94	101	33265	0.234 ppbv	94
13) Ethanol	3.60	45	3273664	484.420 ppbv	90
15) Acetone	3.84	43	1603976	20.460 ppbv	100
16) 1,3-Butadiene	3.31	39	4239	0.069 ppbv #	9
17) tert-Butyl alcohol	3.96	59	133424	1.403 ppbv	99
19) Isopropyl Alcohol	3.96	45	3903474	68.914 ppbv	99
20) Methylene Chloride	4.34	84	252733	5.756 ppbv	99
21) Allyl Chloride	4.34	41	3649	0.050 ppbv #	16
23) Vinyl Acetate	5.05	43	65985	0.581 ppbv #	62
25) Ethyl Acetate	5.67	43	361751	1.388 ppbv #	97
26) Hexane	5.68	57	140406	1.118 ppbv #	78
29) Chloroform	5.74	83	21562	0.117 ppbv	90
30) Cyclohexane	7.11	84	24522	0.215 ppbv	82
31) cis-1,2-Dichloroethene	5.66	61	28258	0.237 ppbv #	26
34) 2-Butanone	5.24	43	128882	1.382 ppbv	92
36) Benzene	6.88	78	58689	0.254 ppbv	95
37) 1,2-Dichloroethane	6.30	62	8187	0.073 ppbv #	79
39) 1,2-Dichloropropane	7.22	63	7865	0.089 ppbv #	54
41) Tetrahydrofuran	6.04	42	2640	0.046 ppbv #	18
44) 2,2,4-Trimethylpentane	7.86	57	21482	0.056 ppbv #	43
50) 4-Methyl-2-Pentanone	8.74	43	5621	0.040 ppbv #	39
51) 2-Hexanone	10.13	43	3128	0.047 ppbv #	1
52) Tetrachloroethene	11.20	164	5418	0.063 ppbv #	84
53) Toluene	9.79	91	353695	1.332 ppbv	98
58) Ethyl Benzene	12.69	91	39052	0.118 ppbv	91
59) m/p-Xylene	12.95	91	321882	1.151 ppbv	100
60) o-Xylene	13.67	91	75193	0.290 ppbv #	34
69) p-Isopropyltoluene	17.63	119	14672	0.041 ppbv #	1
70) n-Butylbenzene	18.53	91	11106	0.033 ppbv #	32
72) 4-Ethyltoluene	15.82	105	16671	0.055 ppbv #	60
73) 1,3,5-Trimethylbenzene	15.97	105	10341	0.038 ppbv #	63
74) 1,2,4-Trimethylbenzene	16.74	105	91317	0.323 ppbv #	72

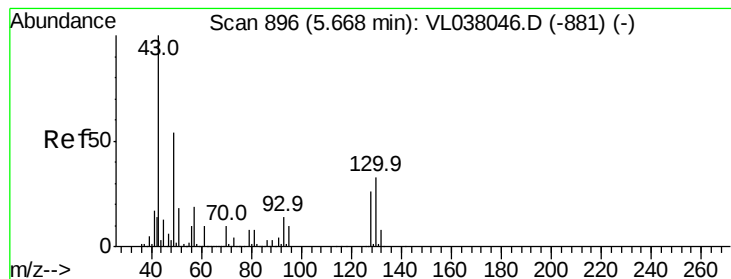
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-1DUP

Acq: 7 Dec 2021 16:48

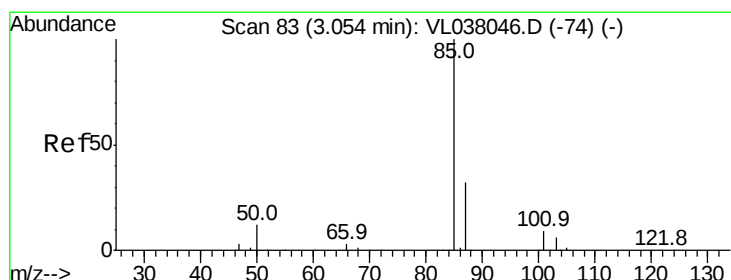
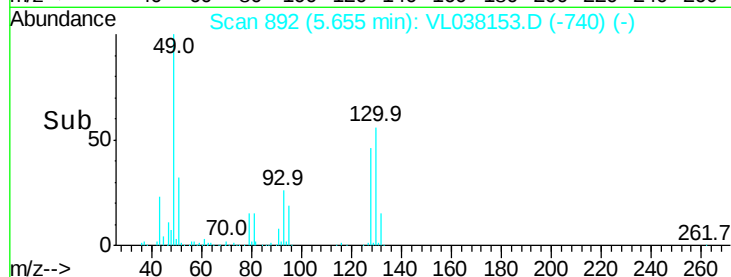
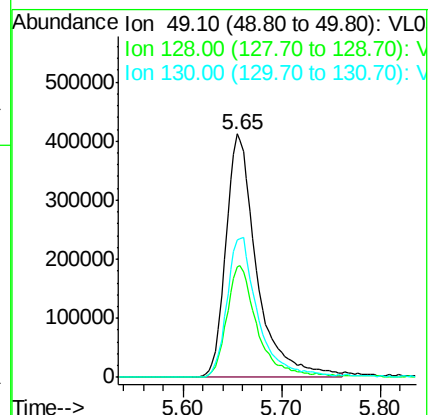
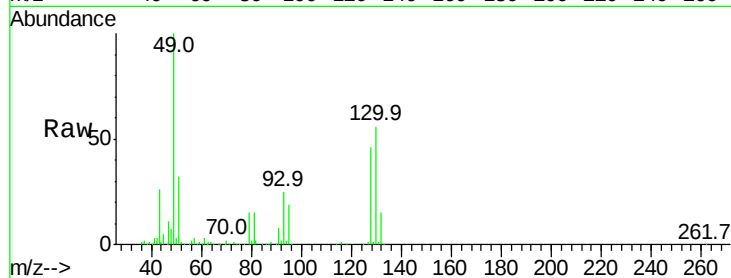
Tot Ion: 49 Resp: 904181

Ion Ratio Lower Upper

49 100

128 46.3 26.5 79.5

130 59.3 32.5 97.4



#2

Dichlorodifluoromethane

Concen: 0.268 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038153.D

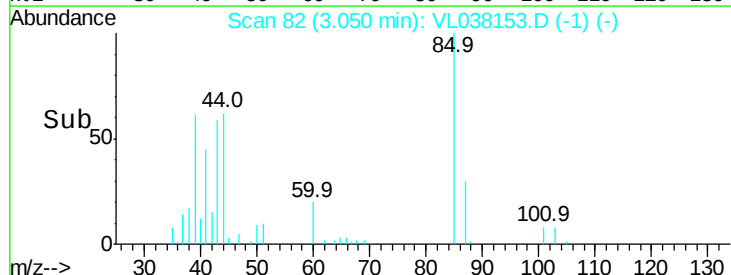
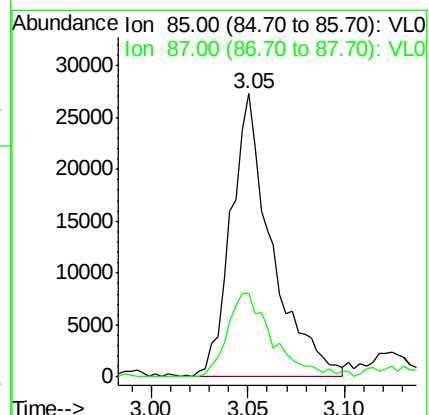
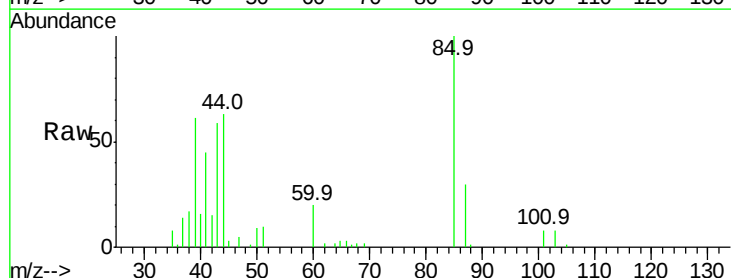
Acq: 7 Dec 2021 16:48

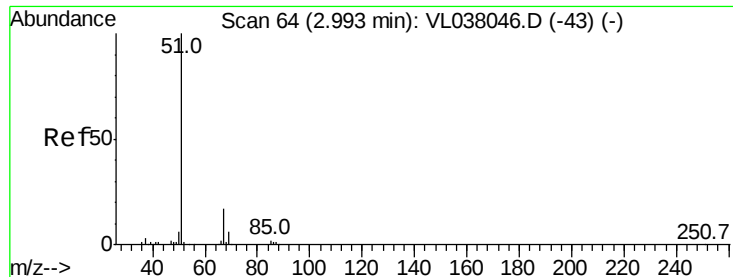
Tgt Ion: 85 Resp: 39991

Ion Ratio Lower Upper

85 100

87 29.7 25.8 38.6





#3

Chlorodifluoromethane

Concen: 1.307 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

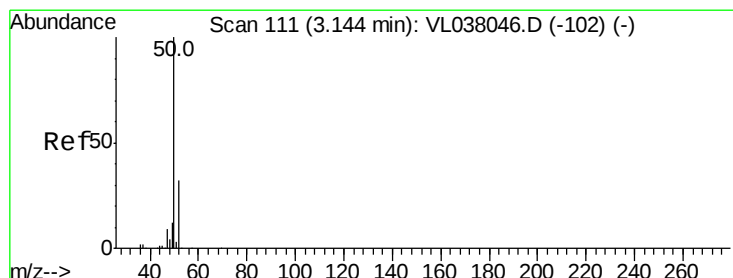
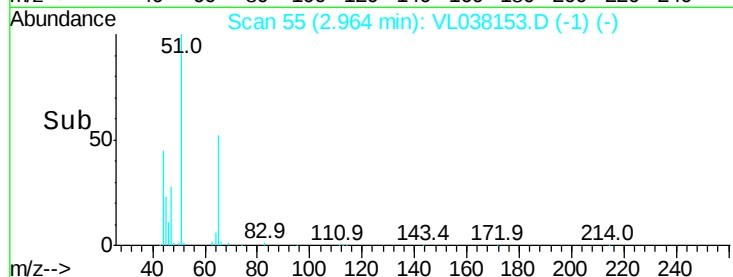
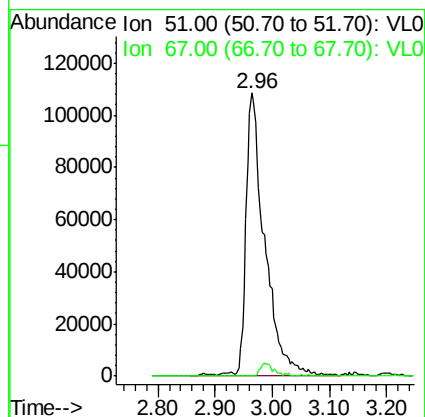
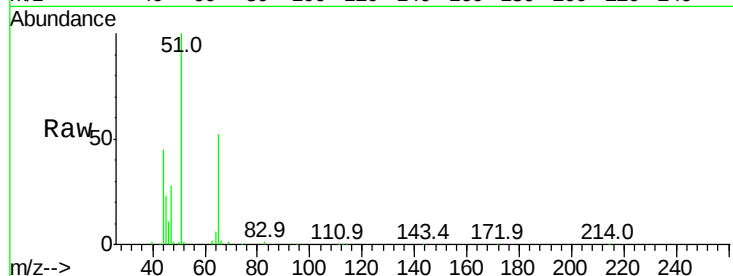
Acq: 7 Dec 2021 16:48

Tot Ion: 51 Resp: 248115

Ion Ratio Lower Upper

51 100

67 3.4 13.8 20.8#



#4

Chloromethane

Concen: 0.621 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL038153.D

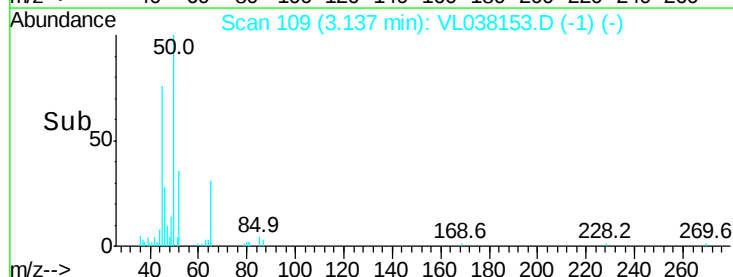
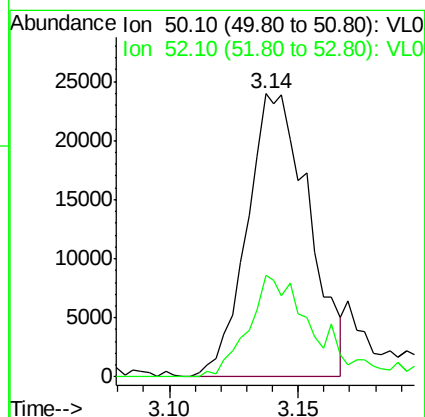
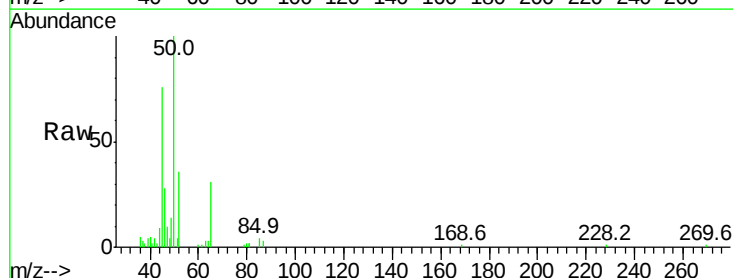
Acq: 7 Dec 2021 16:48

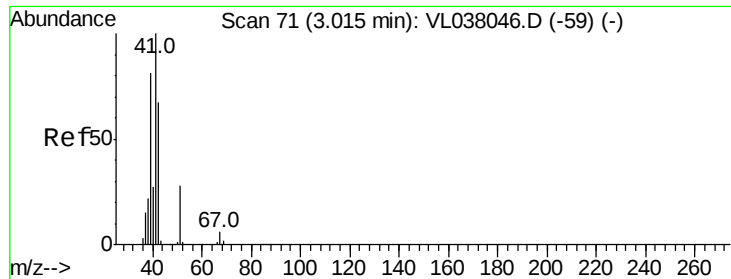
Tgt Ion: 50 Resp: 40113

Ion Ratio Lower Upper

50 100

52 35.9 25.4 38.0





#9

Propene

Concen: 1.808 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

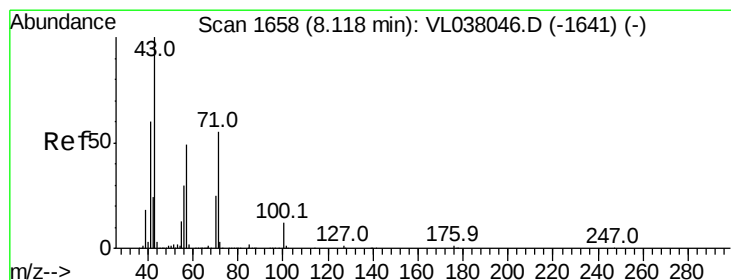
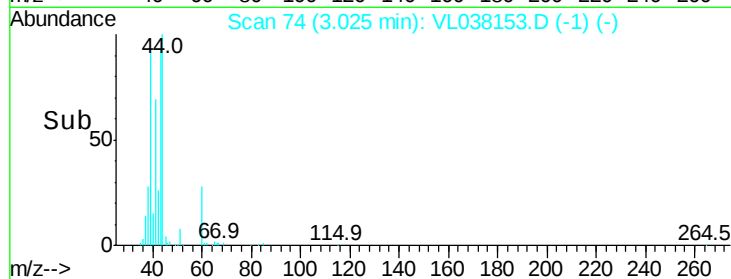
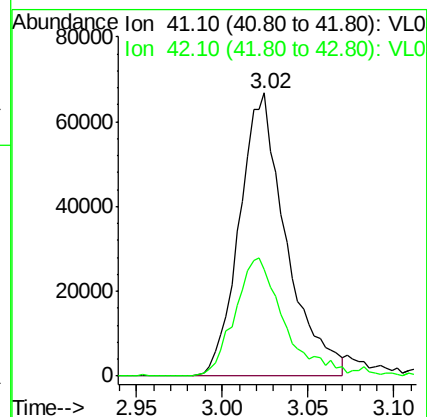
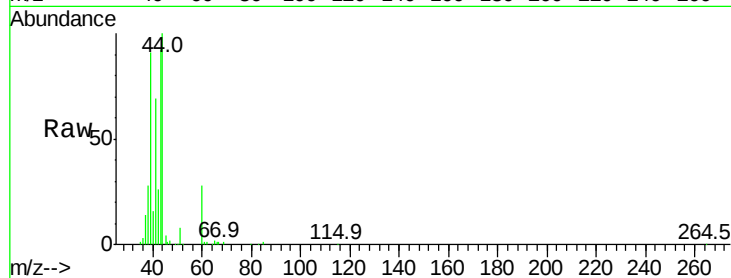
Acq: 7 Dec 2021 16:48

Tot Ion: 41 Resp: 126406

Ion Ratio Lower Upper

41 100

42 45.5 53.8 80.8#



#10

Heptane

Concen: 0.439 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL038153.D

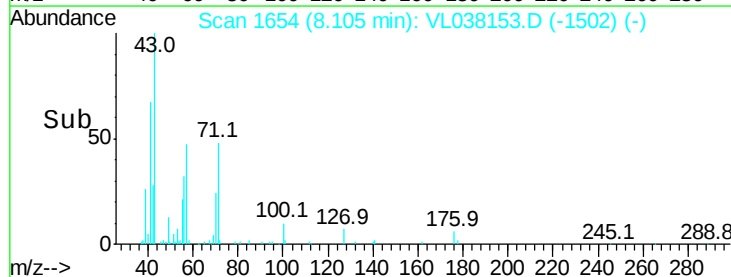
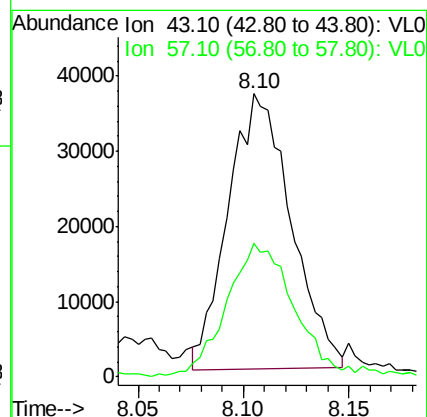
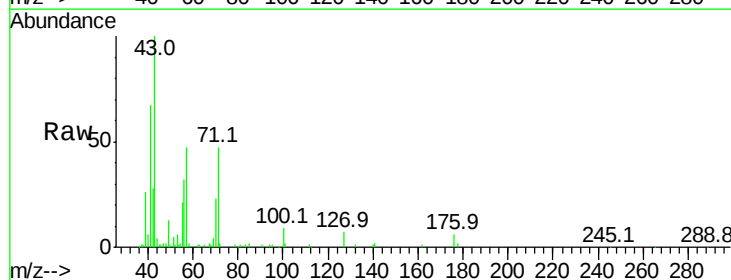
Acq: 7 Dec 2021 16:48

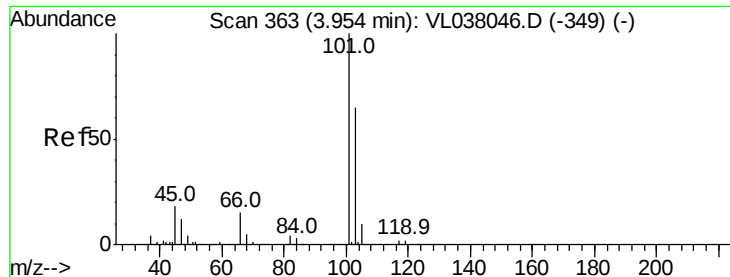
Tgt Ion: 43 Resp: 75897

Ion Ratio Lower Upper

43 100

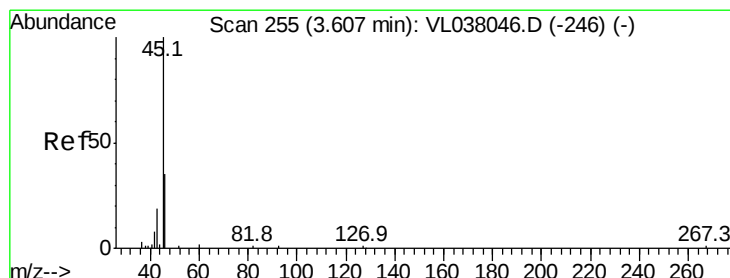
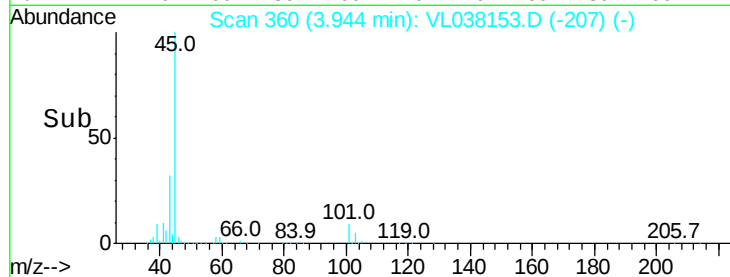
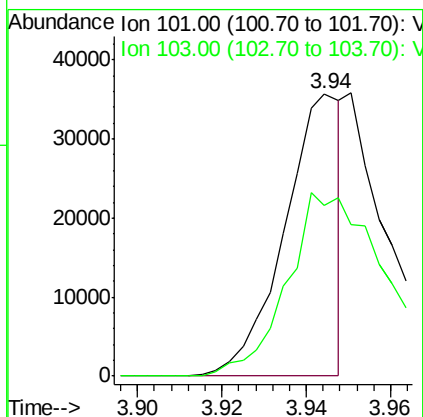
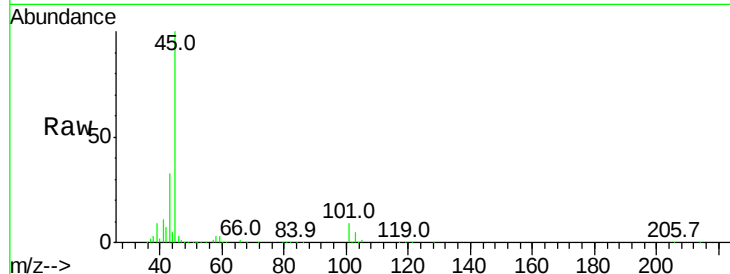
57 53.7 40.4 60.6





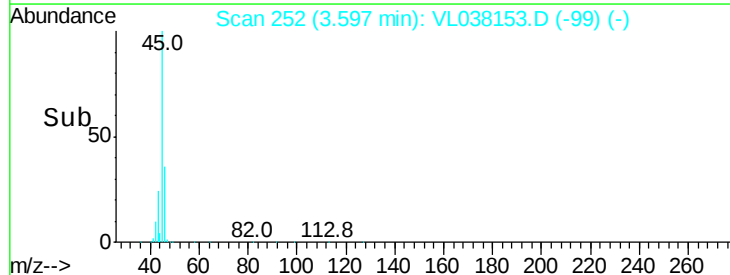
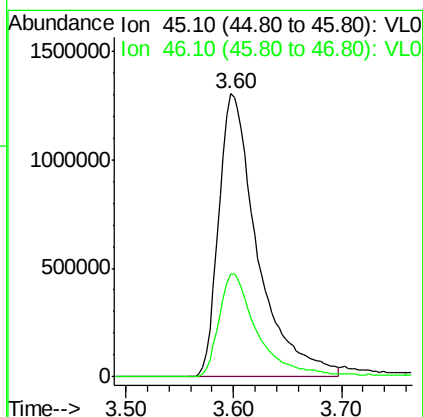
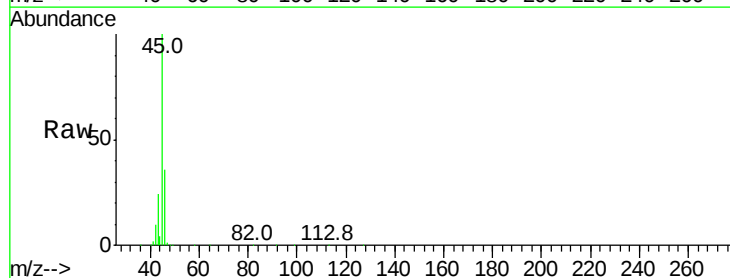
#11
 Trichlorofluoromethane
 Concen: 0.234 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 16:48

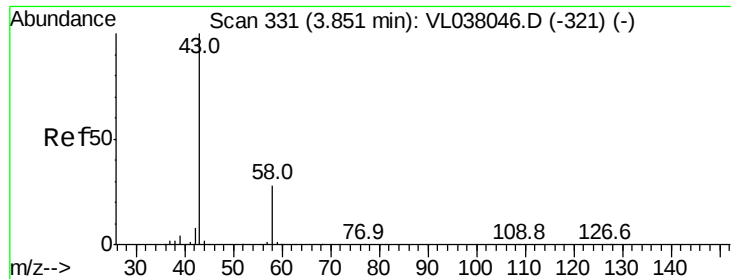
Tot Ion:101 Resp: 33265
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.8 77.6



#13
 Ethanol
 Concen: 484.420 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL038153.D
 Acq: 7 Dec 2021 16:48

Tgt Ion: 45 Resp: 3273664
 Ion Ratio Lower Upper
 45 100
 46 37.4 17.6 70.2





#15

Acetone

Concen: 20.460 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

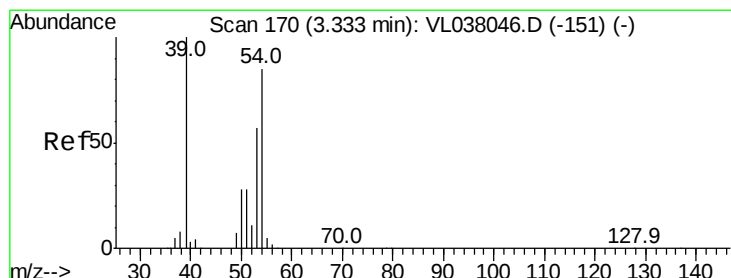
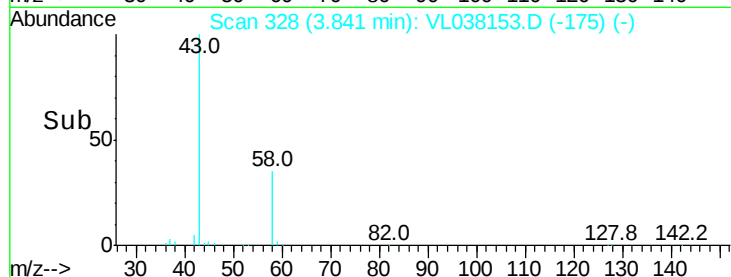
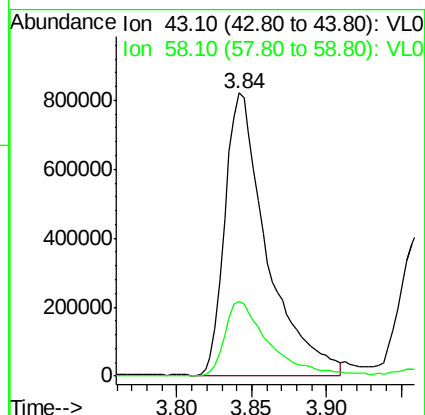
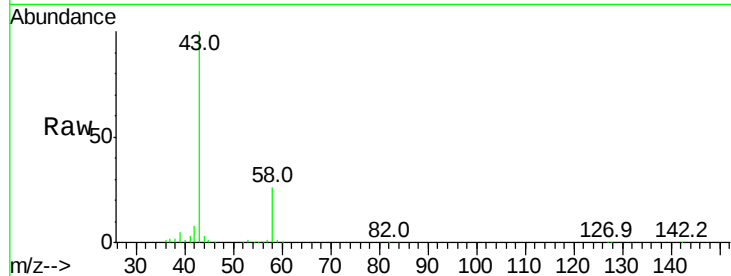
Acq: 7 Dec 2021 16:48

Tot Ion: 43 Resp: 1603976

Ion Ratio Lower Upper

43 100

58 28.2 22.4 33.6



#16

1,3-Butadiene

Concen: 0.069 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL038153.D

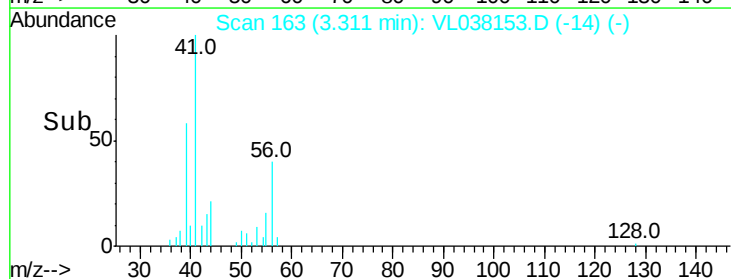
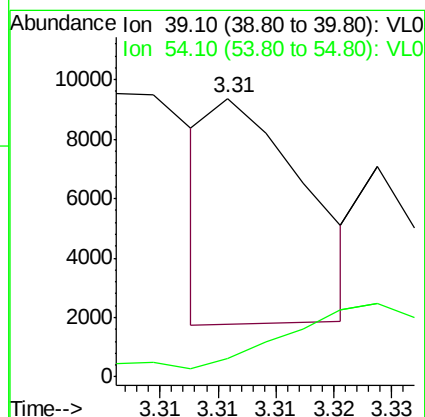
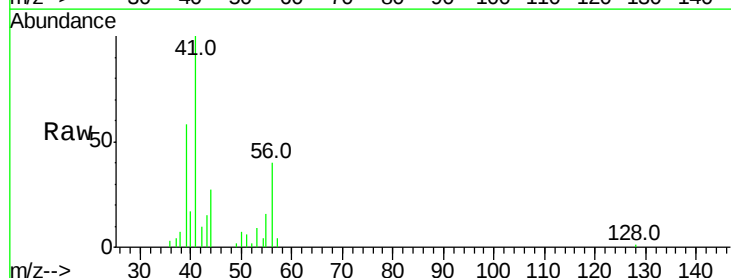
Acq: 7 Dec 2021 16:48

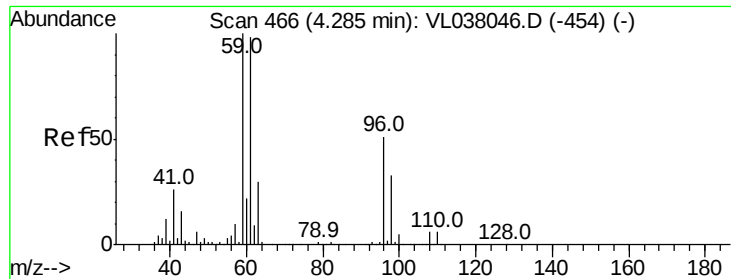
Tgt Ion: 39 Resp: 4239

Ion Ratio Lower Upper

39 100

54 0.0 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 1.403 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

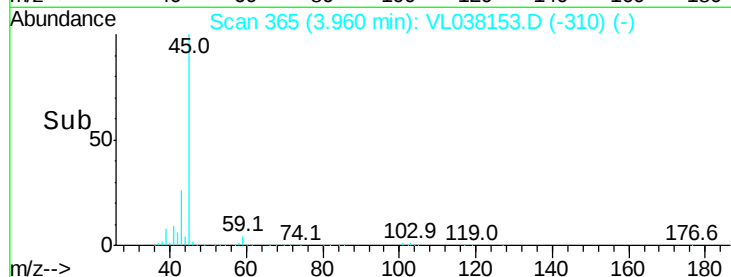
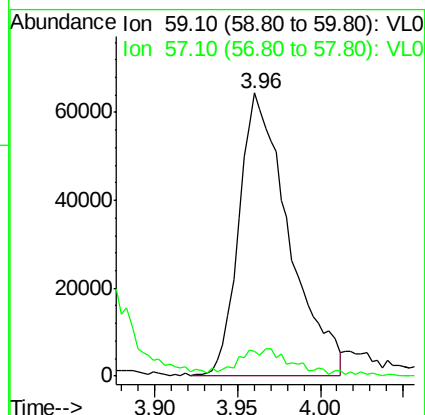
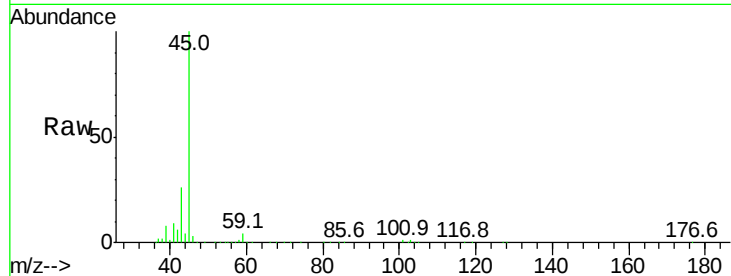
Acq: 7 Dec 2021 16:48

Tot Ion: 59 Resp: 133424

Ion Ratio Lower Upper

59 100

57 11.2 8.6 13.0



#19

Isopropyl Alcohol

Concen: 68.914 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL038153.D

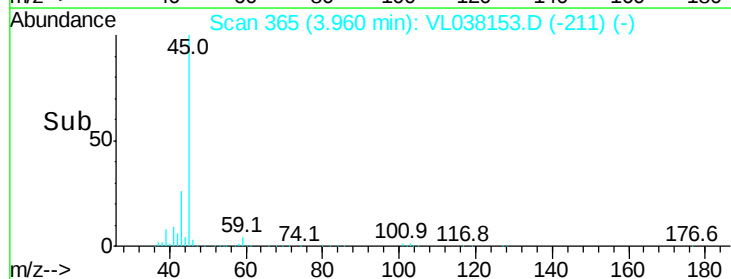
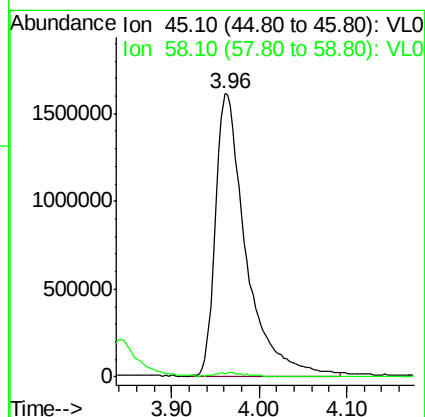
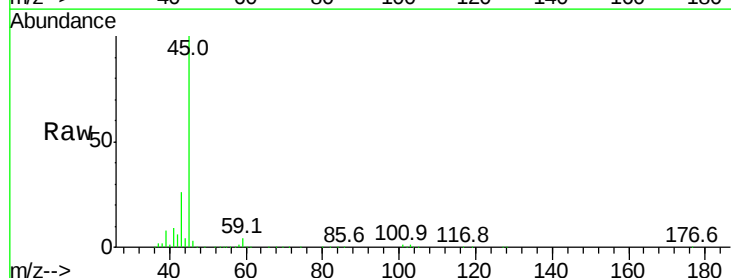
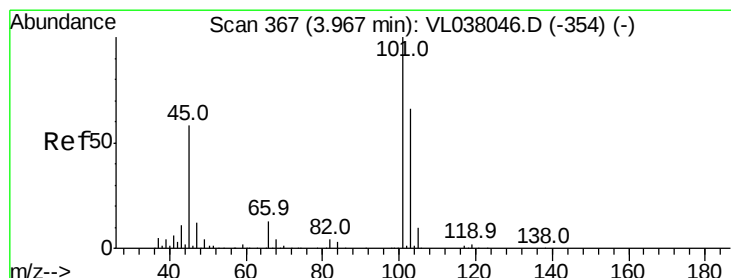
Acq: 7 Dec 2021 16:48

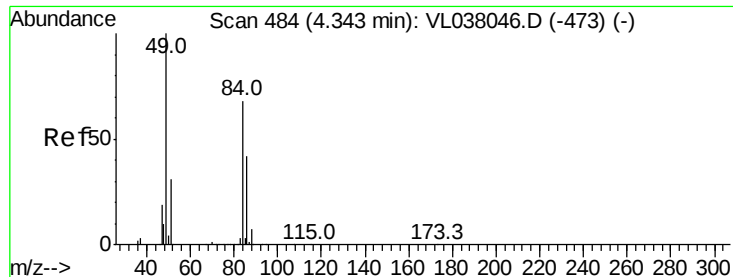
Tgt Ion: 45 Resp: 3903474

Ion Ratio Lower Upper

45 100

58 1.5 1.4 2.0





#20

Methylene Chloride

Concen: 5.756 ppbv

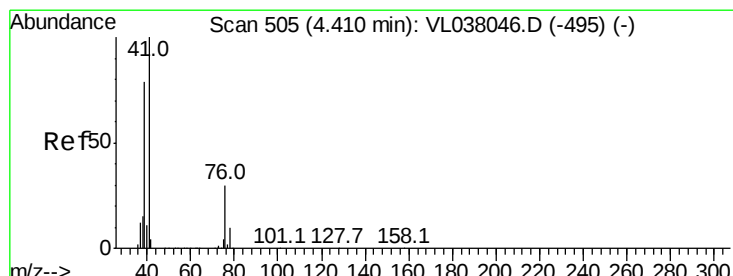
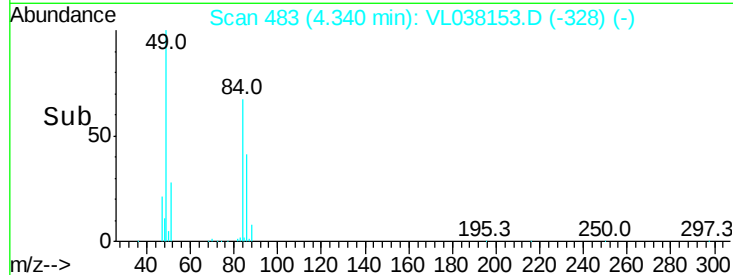
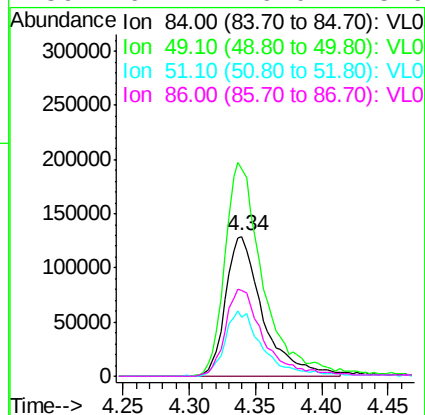
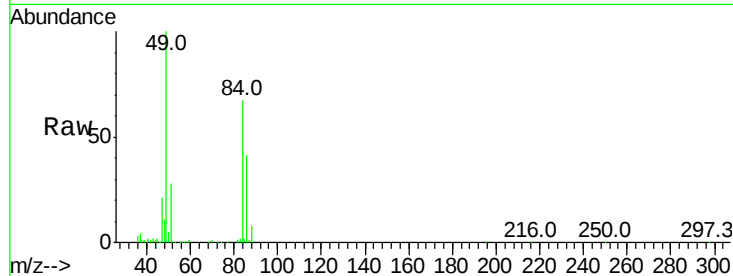
RT: 4.34

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 16:48

Tot Ion:	84	Resp:	252733
Ion	Ratio	Lower	Upper
84	100		
49	148.3	118.2	177.2
51	42.0	36.8	55.2
86	61.1	49.0	73.6



#21

Allyl Chloride

Concen: 0.050 ppbv

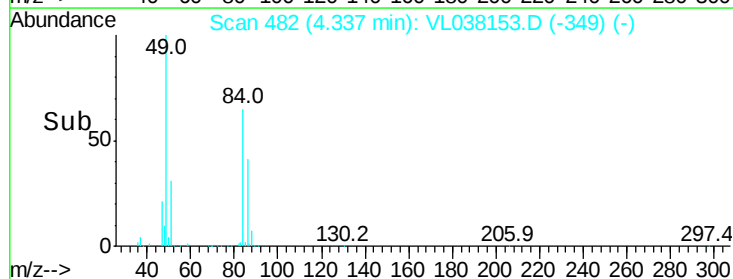
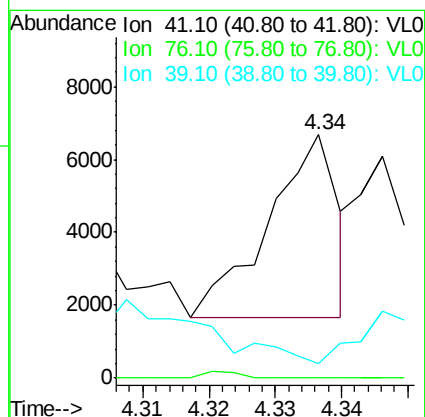
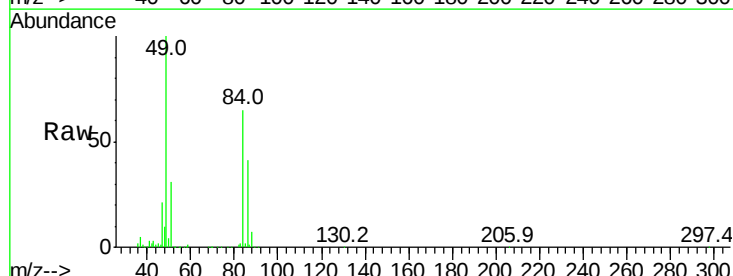
RT: 4.34 min Scan# 482

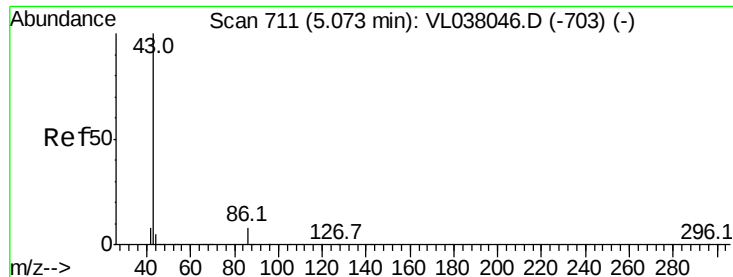
Delta R.T. -0.07 min

Lab File: VL038153.D

Acq: 7 Dec 2021 16:48

Tgt Ion:	41	Resp:	3649
Ion	Ratio	Lower	Upper
41	100		
76	67.8	24.6	36.8#
39	0.0	63.4	95.0#





#23

Vinyl Acetate

Concen: 0.581 ppbv

RT: 5.05 Instrument:

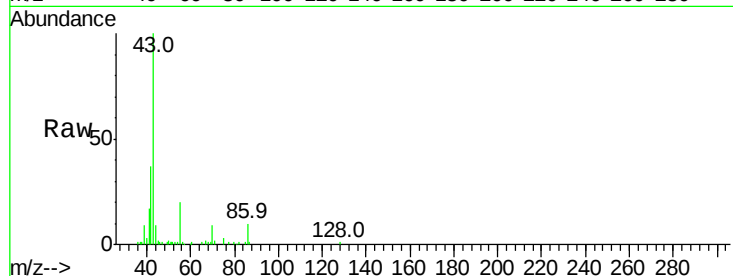
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:48

Tot Ion: 43 Resp: 65985

Ion	Ratio	Lower	Upper
43	100		
86	10.6	5.3	7.9#
42	36.6	7.0	10.6#
44	4.0	4.0	6.0

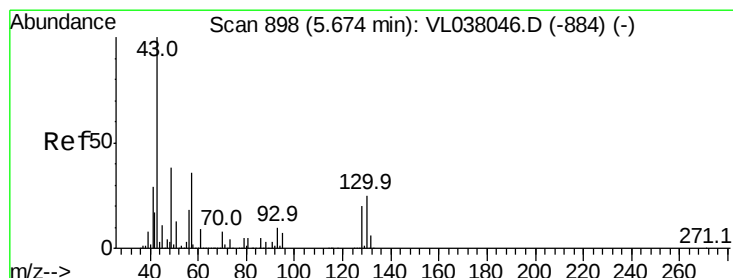
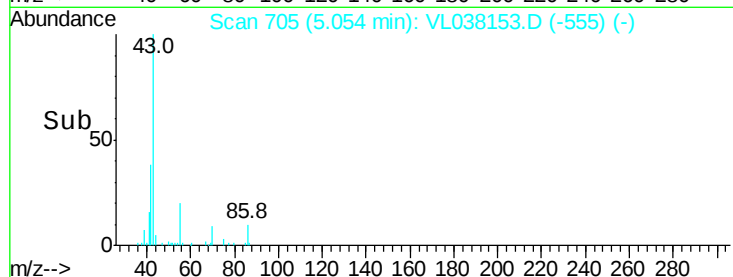
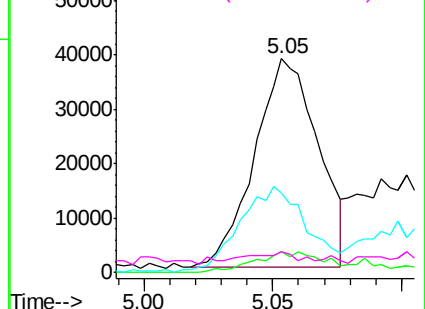


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 1.388 ppbv

RT: 5.67 min Scan# 896

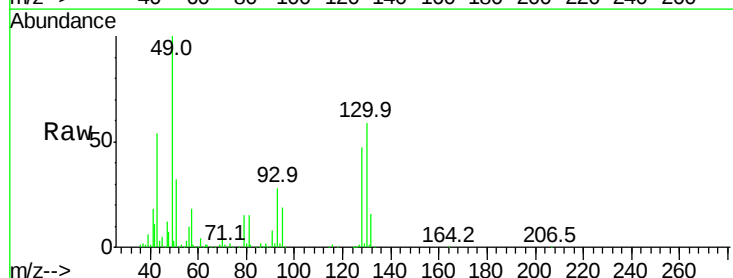
Delta R.T. -0.01 min

Lab File: VL038153.D

Acq: 7 Dec 2021 16:48

Tgt Ion: 43 Resp: 361751

Ion	Ratio	Lower	Upper
43	100		
45	12.3	7.9	11.9#
61	9.4	7.8	11.6
70	6.9	5.8	8.8

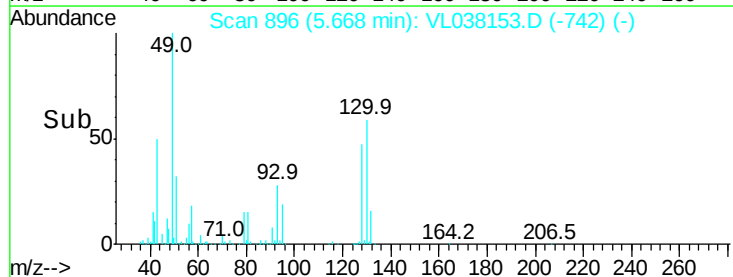
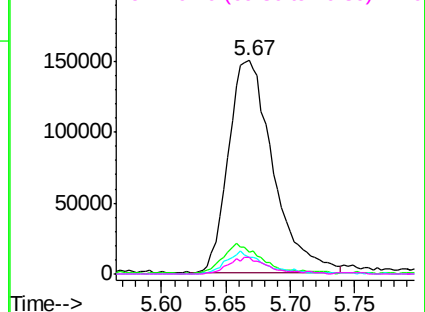


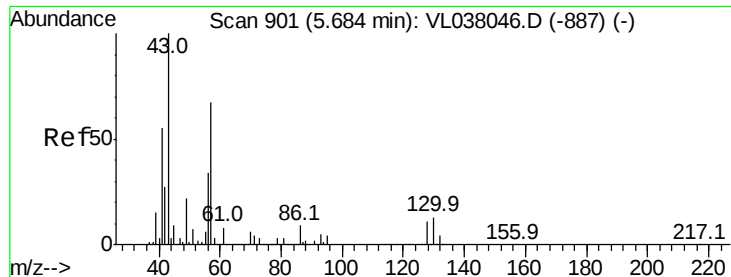
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 1.118 ppbv

RT: 5.68

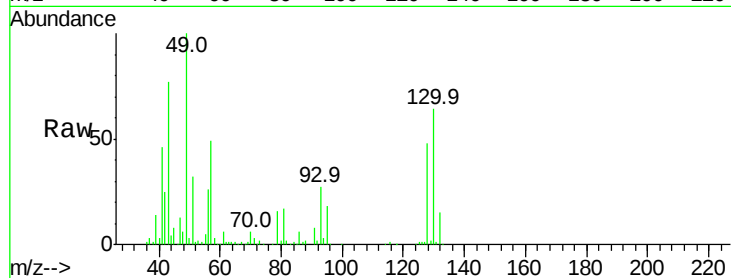
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 16:48

Tot Ion: 57 Resp: 140406

Ion	Ratio	Lower	Upper
57	100		
41	99.9	71.4	107.2
43	267.3	174.6	261.8#
56	58.2	43.2	64.8

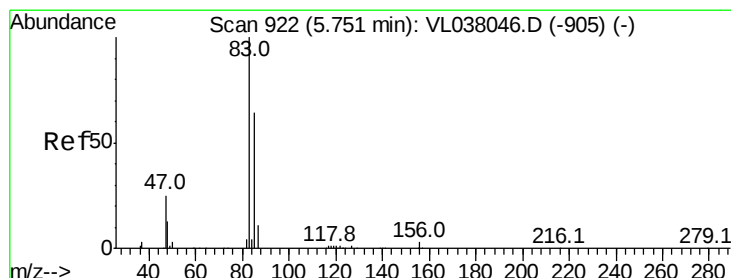
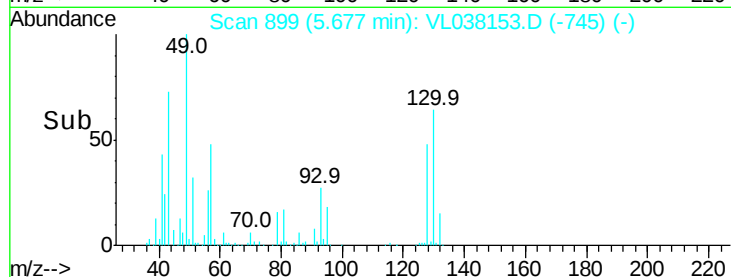
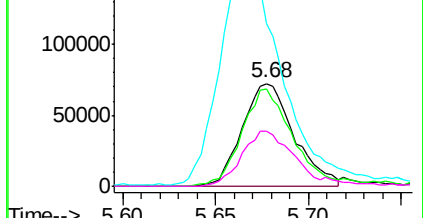


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.117 ppbv

RT: 5.74 min Scan# 918

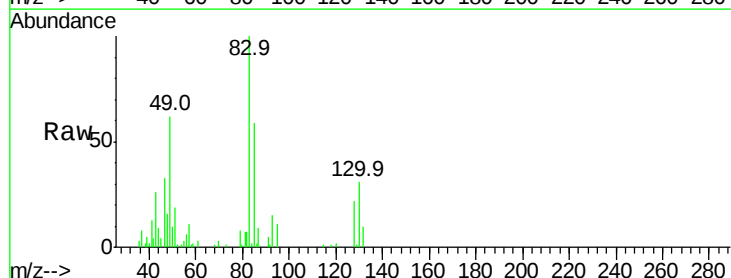
Delta R.T. -0.01 min

Lab File: VL038153.D

Acq: 7 Dec 2021 16:48

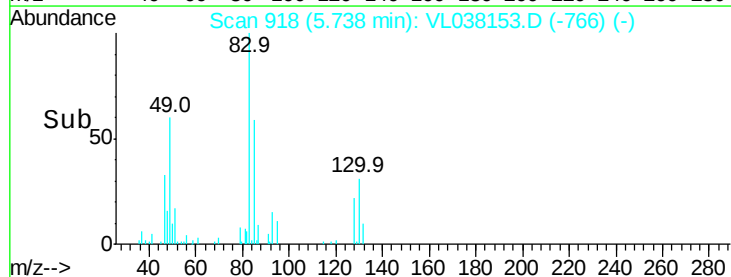
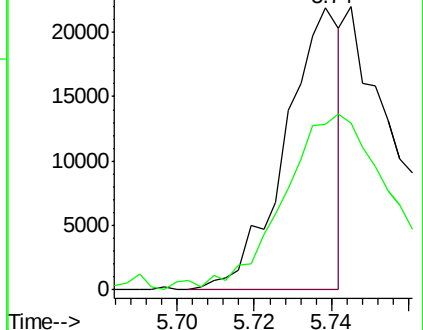
Tgt Ion: 83 Resp: 21562

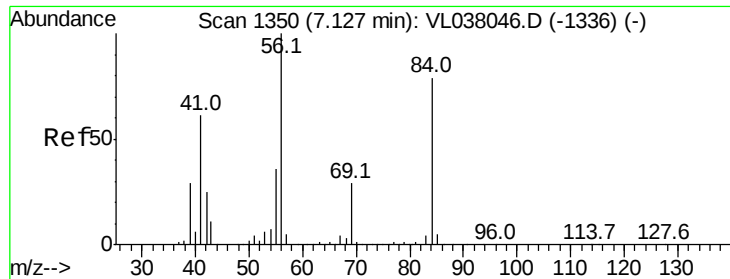
Ion	Ratio	Lower	Upper
83	100		
85	55.6	51.0	76.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

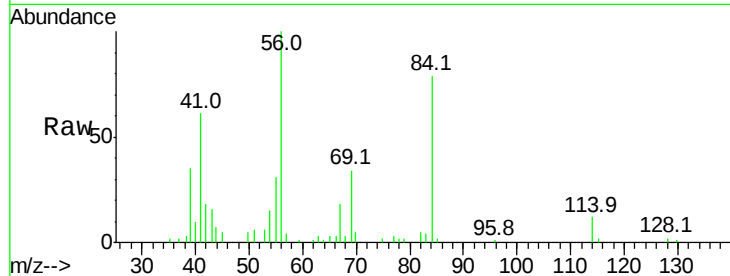
Ion 85.00 (84.70 to 85.70): VL0



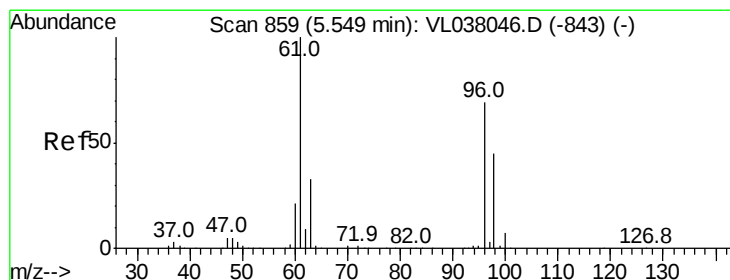
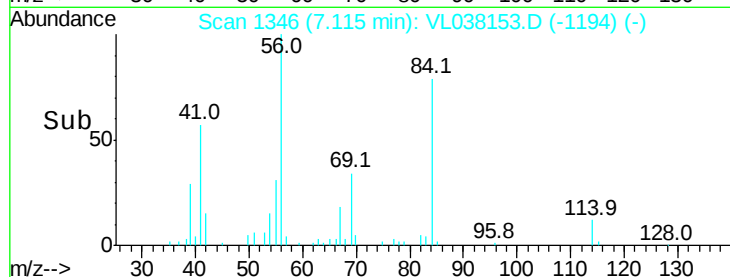
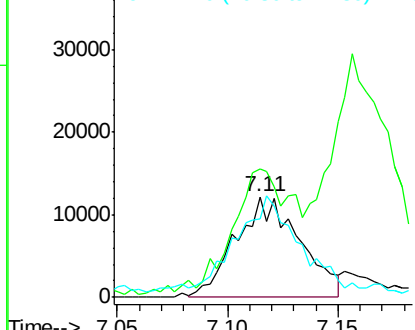


#30
Cvclohexane
Concen: 0.215 ppbv
RT: 7.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:48

Tot Ion: 84 Resp: 24522
Ion Ratio Lower Upper
84 100
56 113.4 108.1 162.1
41 96.1 64.4 96.6

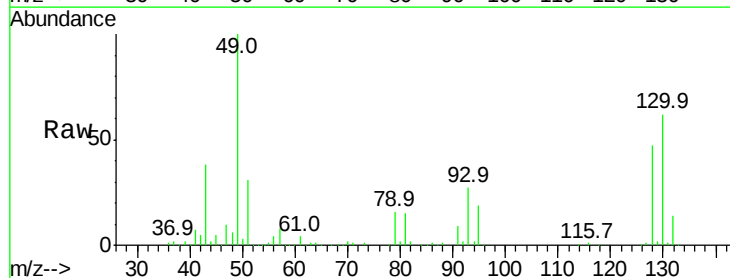


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

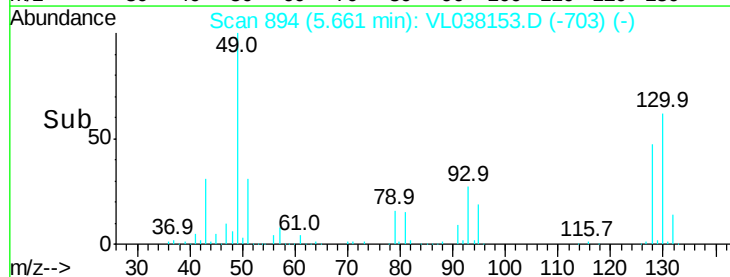
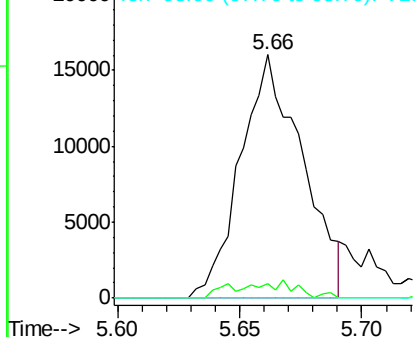


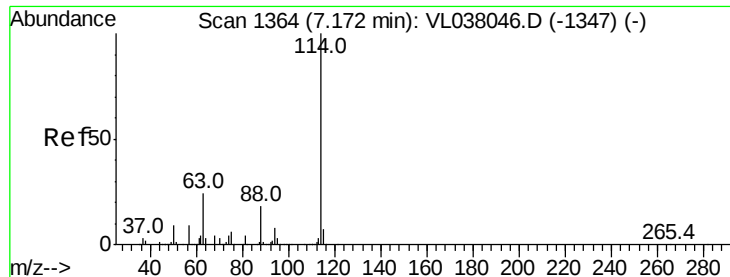
#31
cis-1,2-Dichloroethene
Concen: 0.237 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.11 min
Lab File: VL038153.D
Acq: 7 Dec 2021 16:48

Tgt Ion: 61 Resp: 28258
Ion Ratio Lower Upper
61 100
96 5.9 55.4 83.2#
98 0.0 35.7 53.5#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:48

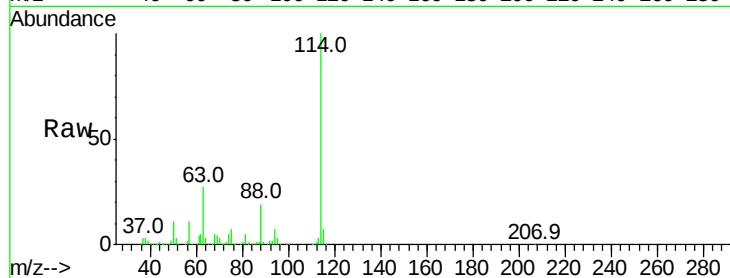
Tot Ion:114 Resp: 2313278

Ion Ratio Lower Upper

114 100

63 26.8 19.7 29.5

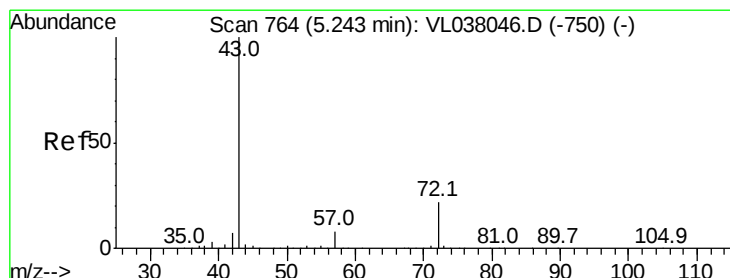
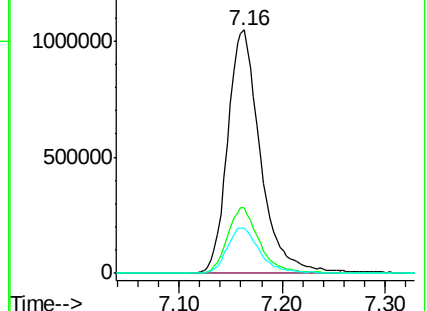
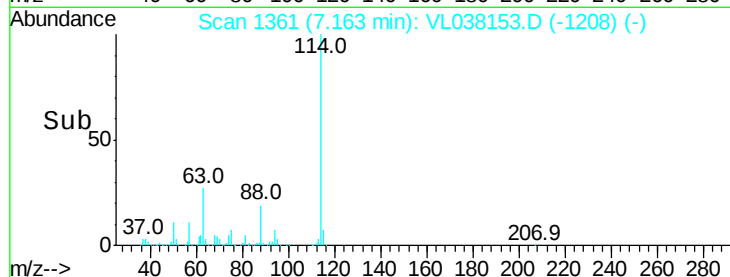
88 18.8 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.382 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.01 min

Lab File: VL038153.D

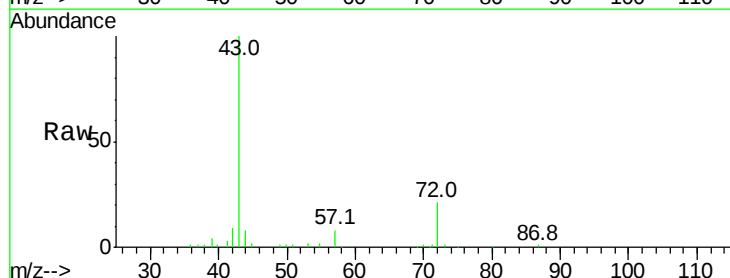
Acq: 7 Dec 2021 16:48

Tgt Ion: 43 Resp: 128882

Ion Ratio Lower Upper

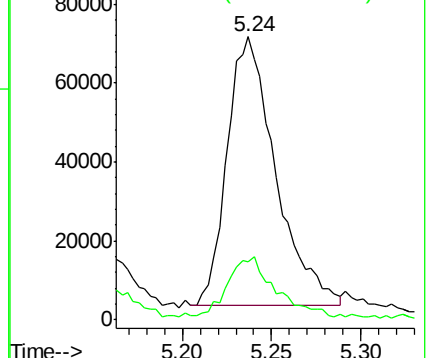
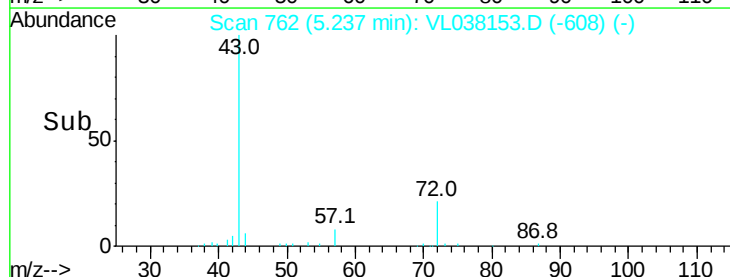
43 100

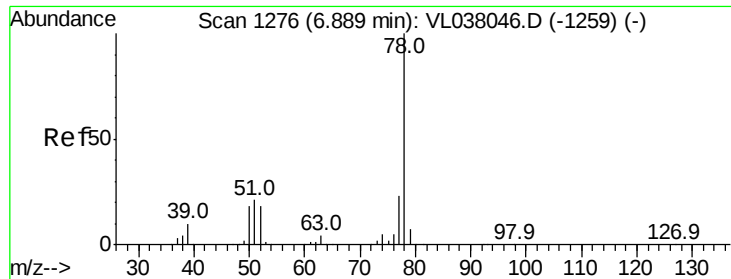
72 27.6 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

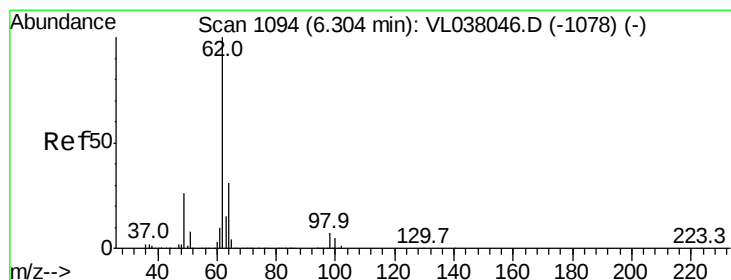
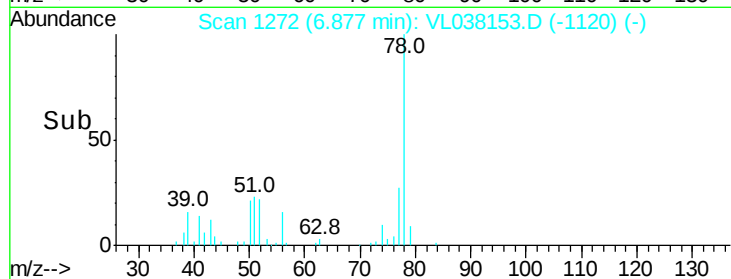
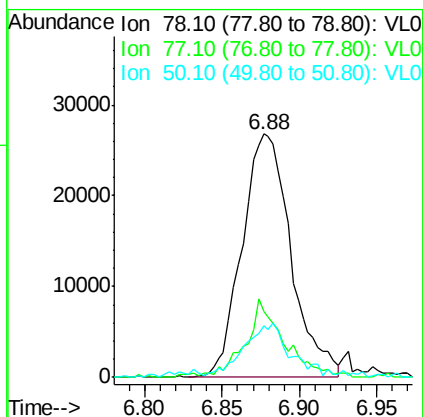
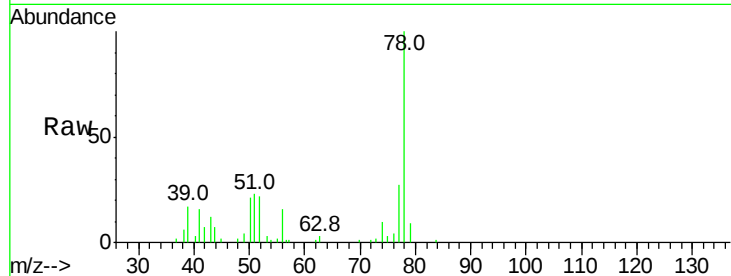
Ion 72.10 (71.80 to 72.80): VL0





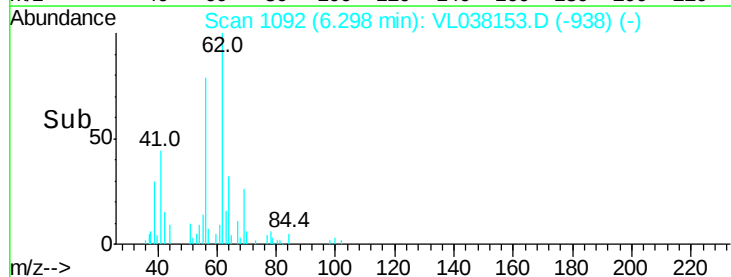
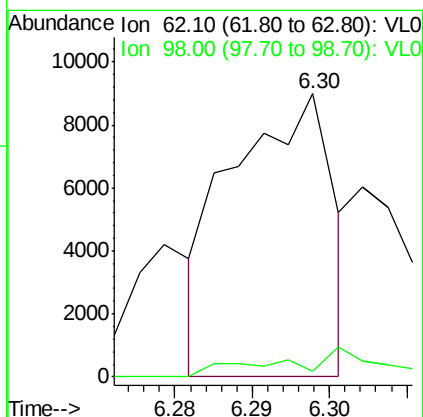
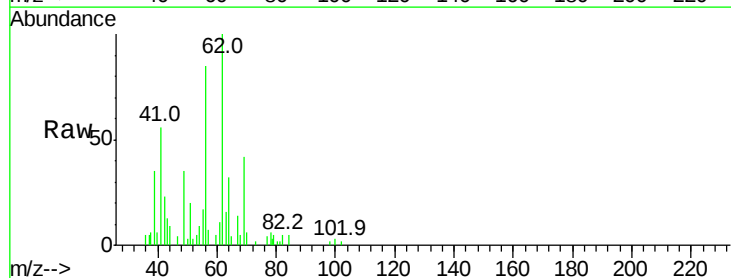
#36
Benzene
Concen: 0.254 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:48

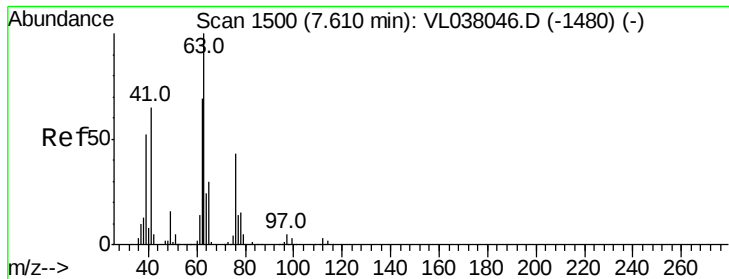
Tot Ion: 78 Resp: 58689
Ion Ratio Lower Upper
78 100
77 25.6 18.2 27.4
50 20.2 14.7 22.1



#37
1,2-Dichloroethane
Concen: 0.073 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VL038153.D
Acq: 7 Dec 2021 16:48

Tgt Ion: 62 Resp: 8187
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.6#





#39

1,2-Dichloropropane

Concen: 0.089 ppbv

RT: 7.22 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:48

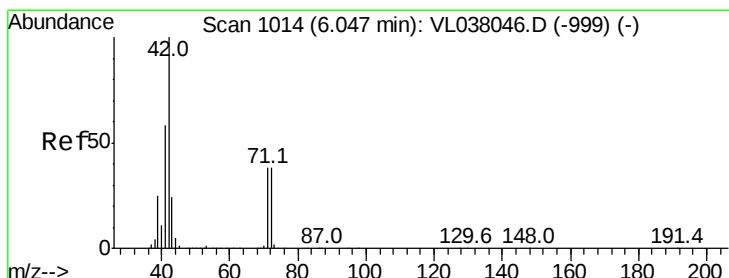
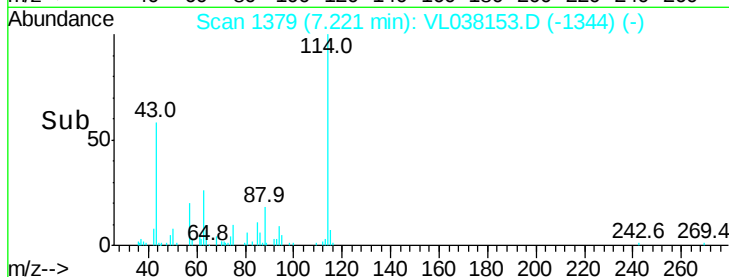
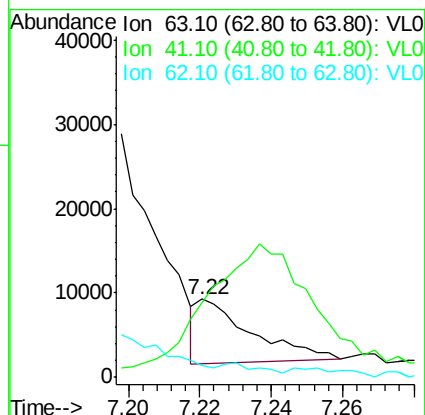
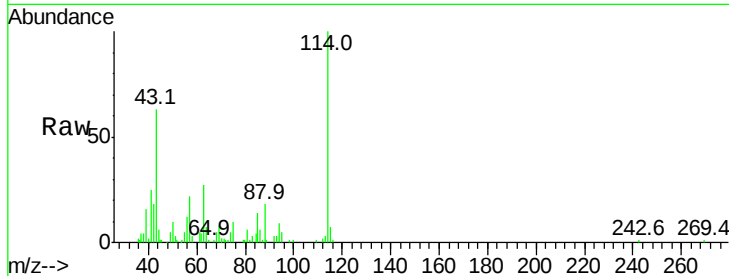
Tot Ion: 63 Resp: 7865

Ion Ratio Lower Upper

63 100

41 60.9 52.3 78.5

62 0.0 55.1 82.7#



#41

Tetrahydrofuran

Concen: 0.046 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VL038153.D

Acq: 7 Dec 2021 16:48

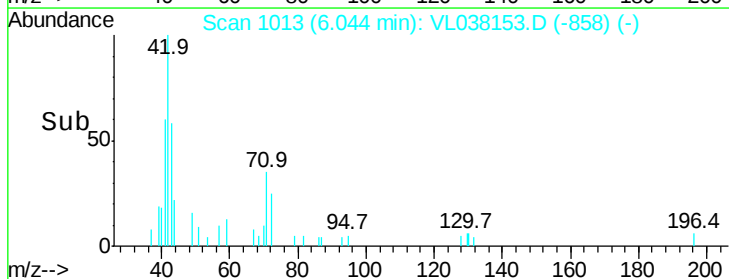
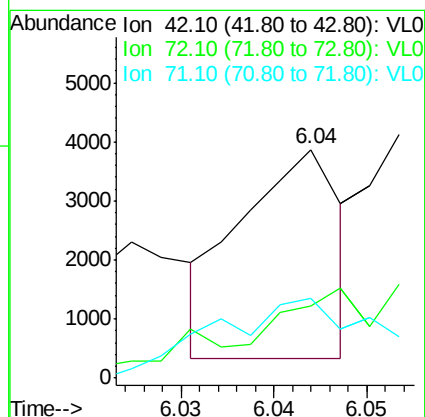
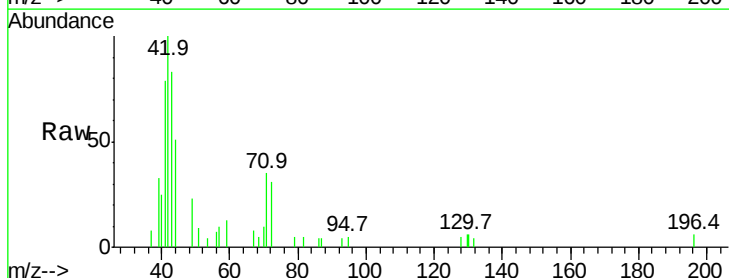
Tgt Ion: 42 Resp: 2640

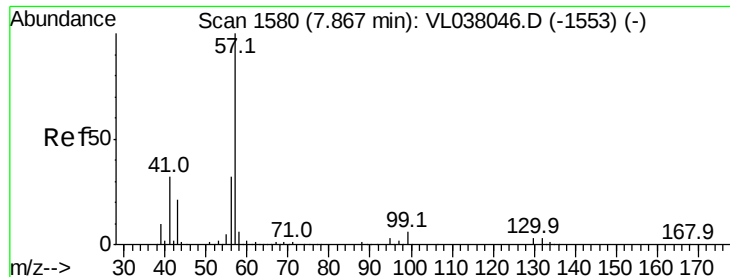
Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 99.5 30.6 46.0#





#44

2,2,4-Trimethylpentane

Concen: 0.056 ppbv

RT: 7.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:48

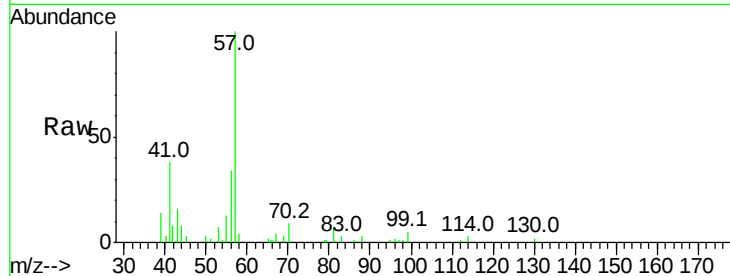
Tot Ion: 57 Resp: 21482

Ion Ratio Lower Upper

57 100

41 0.0 25.8 38.6#

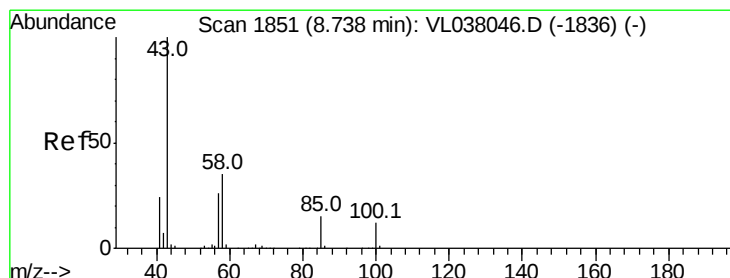
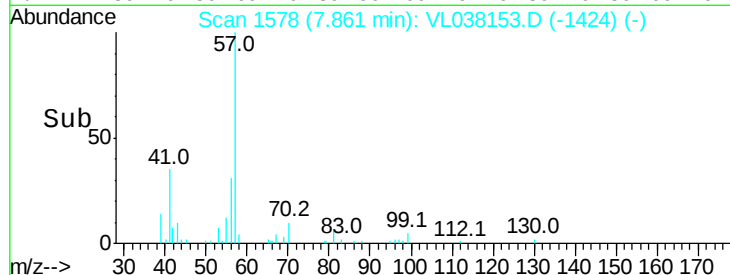
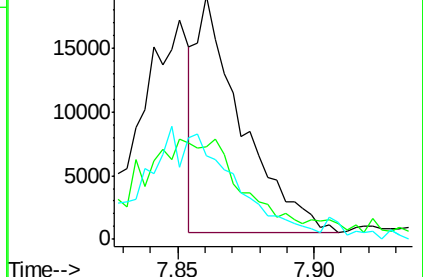
56 0.0 25.6 38.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.040 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL038153.D

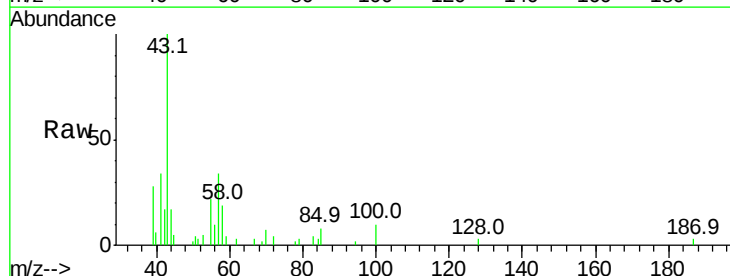
Acq: 7 Dec 2021 16:48

Tgt Ion: 43 Resp: 5621

Ion Ratio Lower Upper

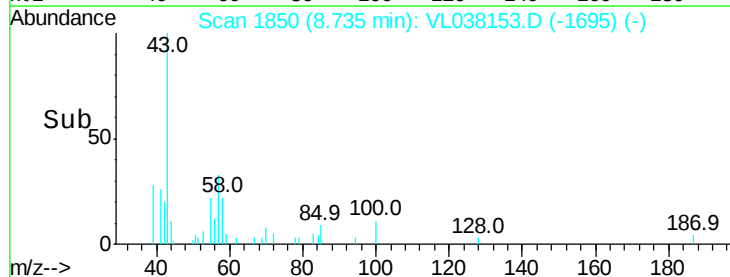
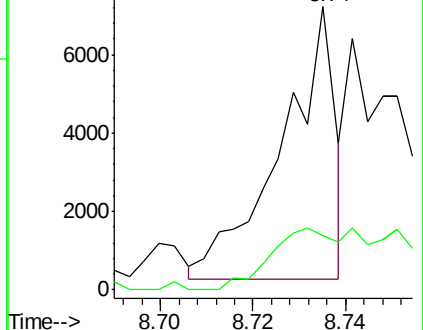
43 100

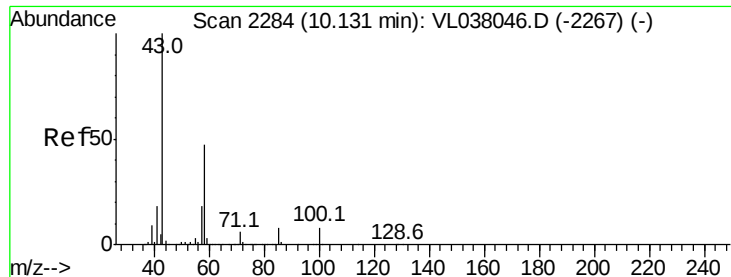
58 73.2 29.4 44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

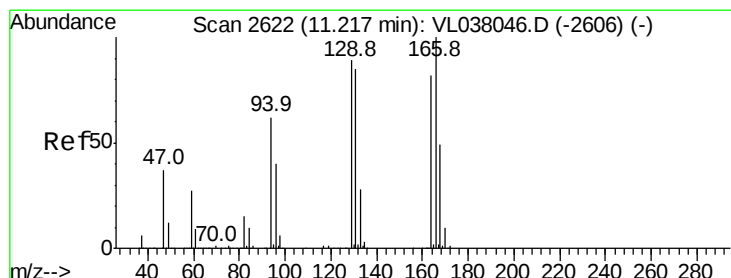
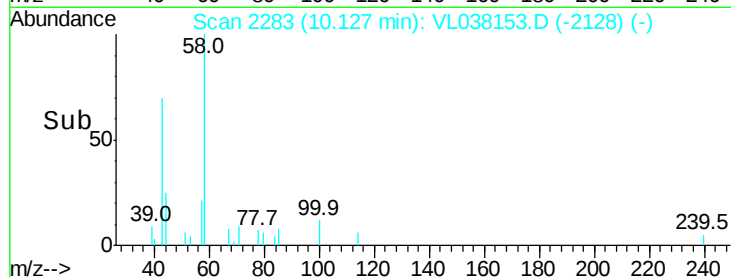
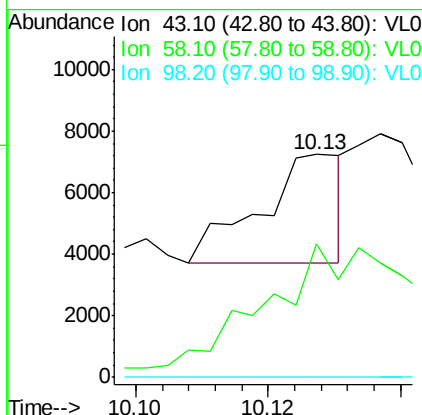
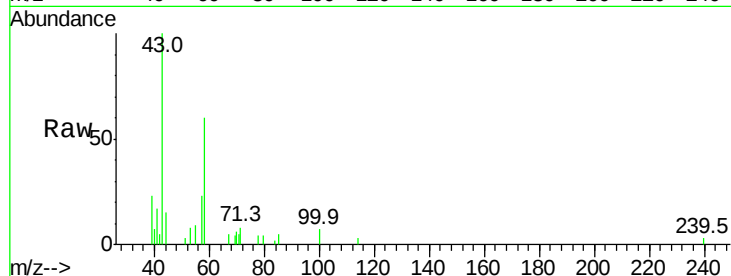
Ion 58.10 (57.80 to 58.80): VL0





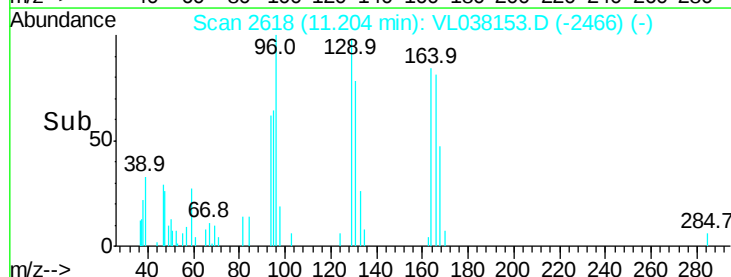
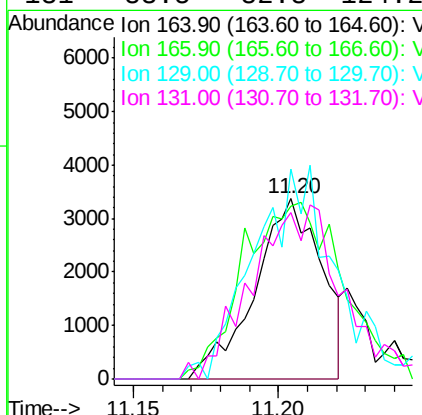
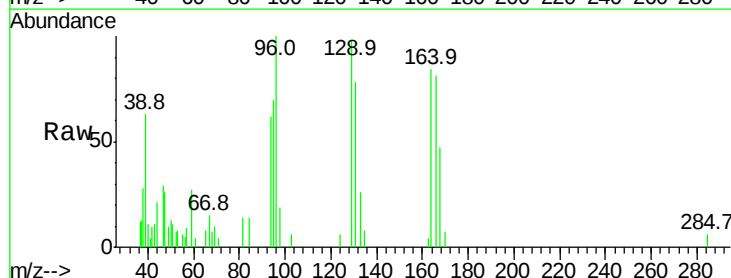
#51
2-Hexanone
Concen: 0.047 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:48

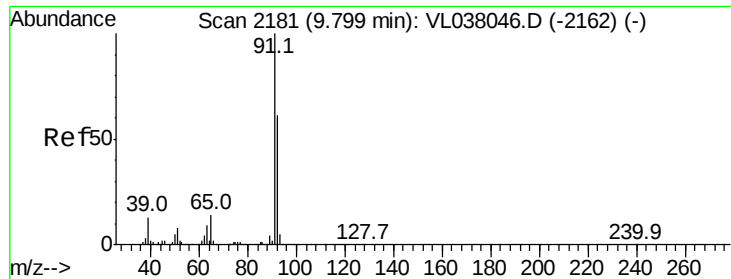
Tot Ion: 43 Resp: 3128
Ion Ratio Lower Upper
43 100
58 359.7 41.1 61.7#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.063 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.01 min
Lab File: VL038153.D
Acq: 7 Dec 2021 16:48

Tgt Ion: 164 Resp: 5418
Ion Ratio Lower Upper
164 100
166 91.3 97.2 145.8#
129 109.6 86.9 130.3
131 83.5 82.8 124.2





#53

Toluene

Concen: 1.332 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

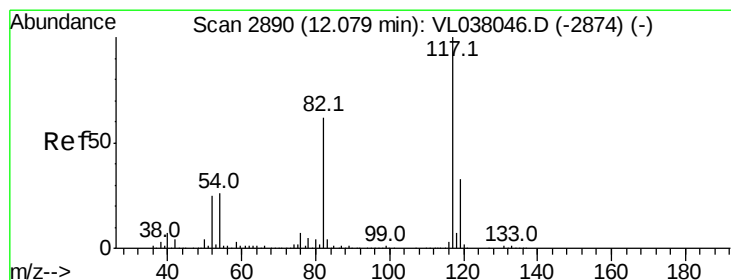
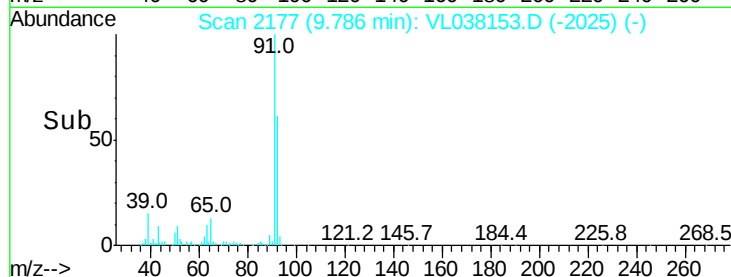
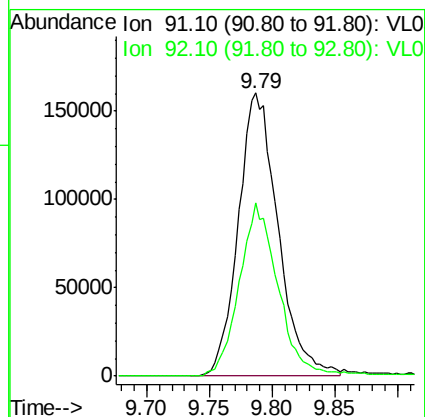
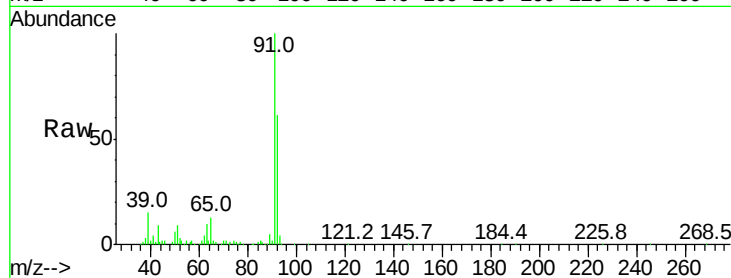
Acq: 7 Dec 2021 16:48

Tot Ion: 91 Resp: 353695

Ion Ratio Lower Upper

91 100

92 60.5 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038153.D

Acq: 7 Dec 2021 16:48

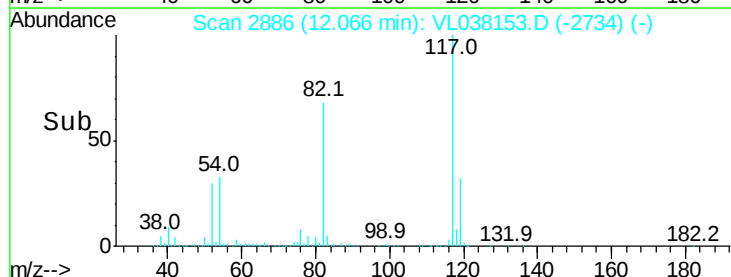
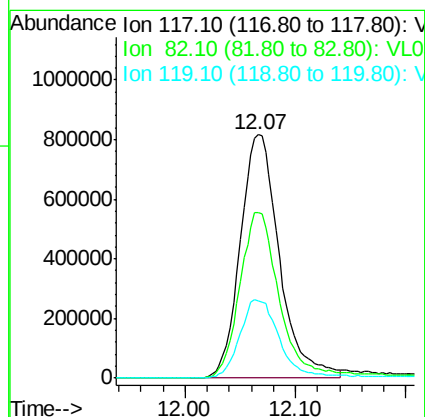
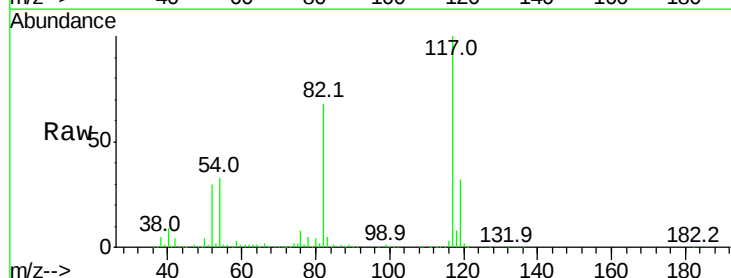
Tgt Ion: 117 Resp: 2010061

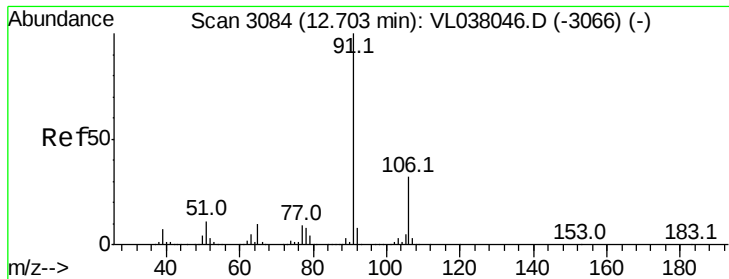
Ion Ratio Lower Upper

117 100

82 72.1 52.8 79.2

119 34.1 26.8 40.2





#58

Ethyl Benzene

Concen: 0.118 ppbv

RT: 12.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

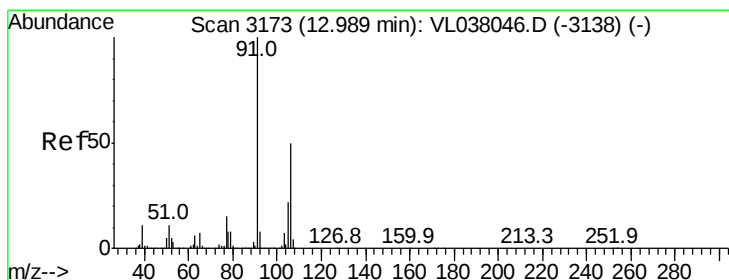
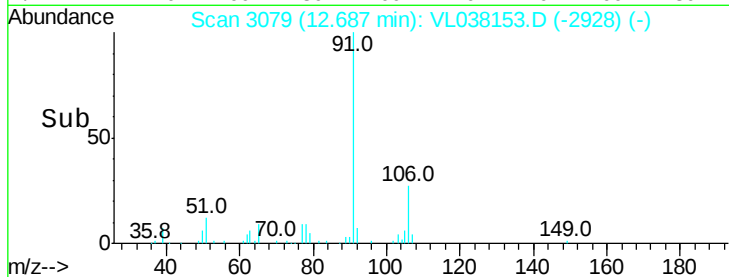
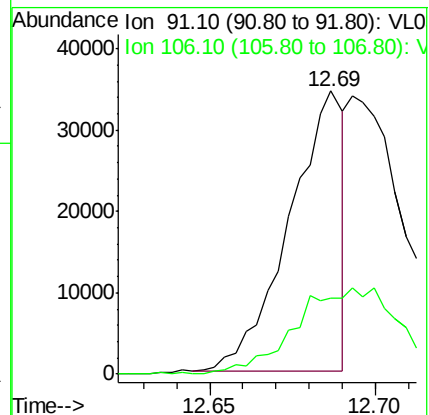
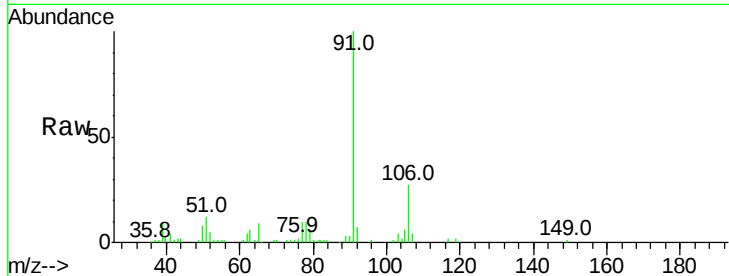
Acq: 7 Dec 2021 16:48

Tot Ion: 91 Resp: 39052

Ion Ratio Lower Upper

91 100

106 27.3 25.8 38.6



#59

m/p-Xylene

Concen: 1.151 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.04 min

Lab File: VL038153.D

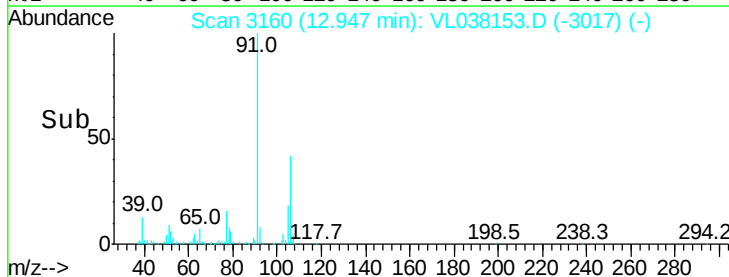
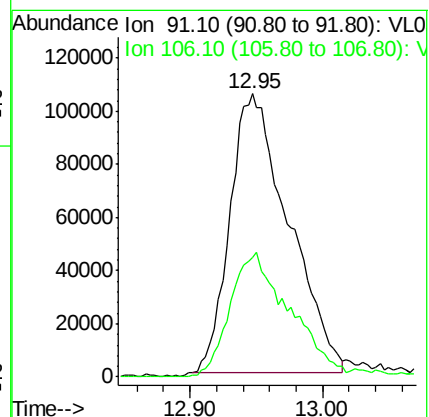
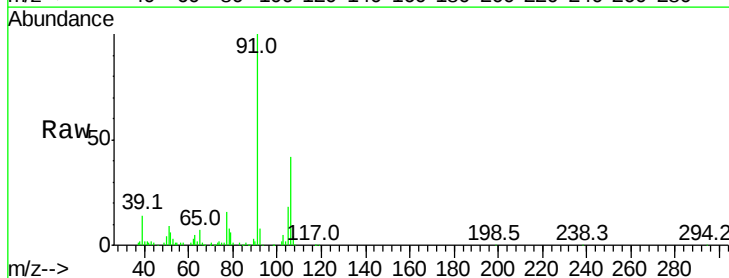
Acq: 7 Dec 2021 16:48

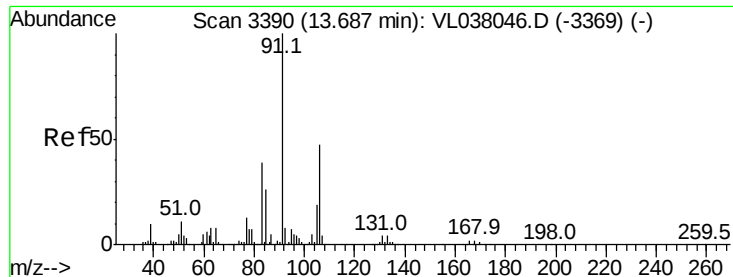
Tgt Ion: 91 Resp: 321882

Ion Ratio Lower Upper

91 100

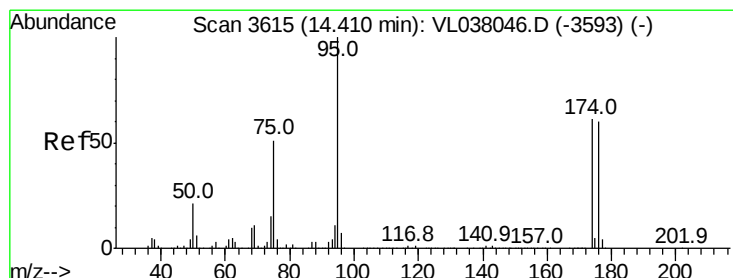
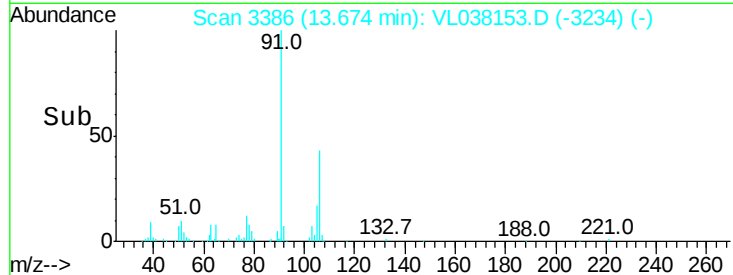
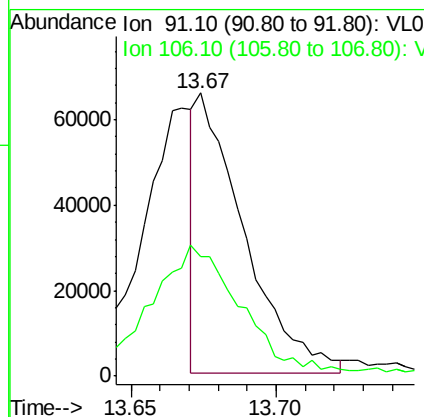
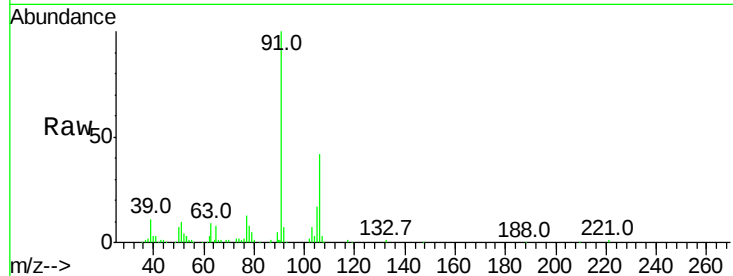
106 47.4 38.1 57.1





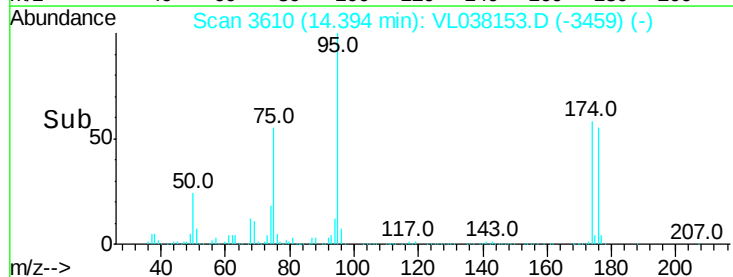
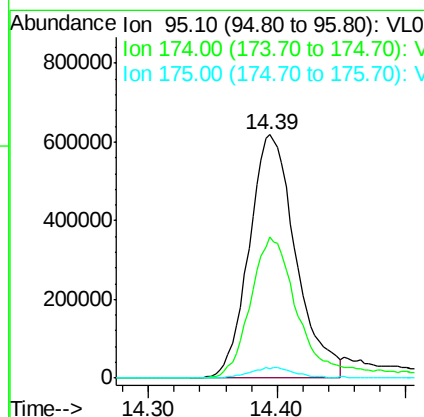
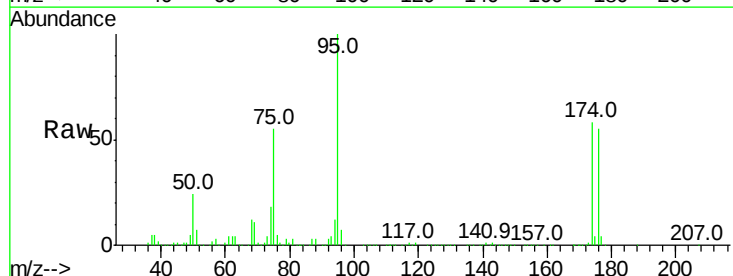
#60
o-Xylene
Concen: 0.290 ppbv
RT: 13.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:48

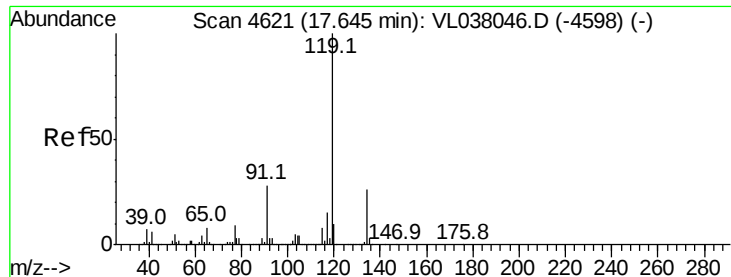
Tot Ion: 91 Resp: 75193
Ion Ratio Lower Upper
91 100
106 92.8 24.2 72.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.749 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL038153.D
Acq: 7 Dec 2021 16:48

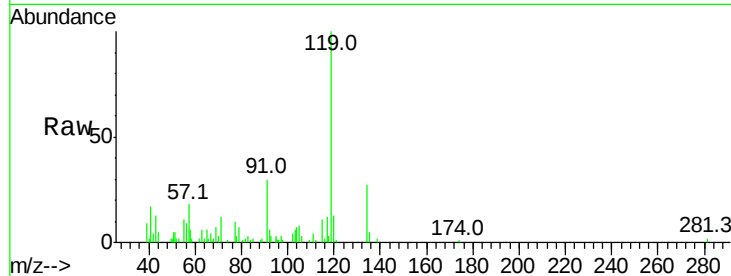
Tgt Ion: 95 Resp: 1558481
Ion Ratio Lower Upper
95 100
174 63.8 53.1 79.7
175 4.8 4.0 6.0



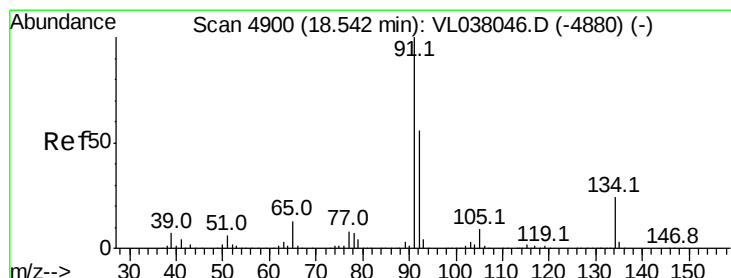
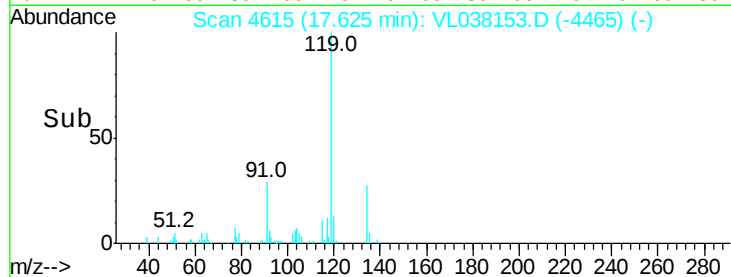
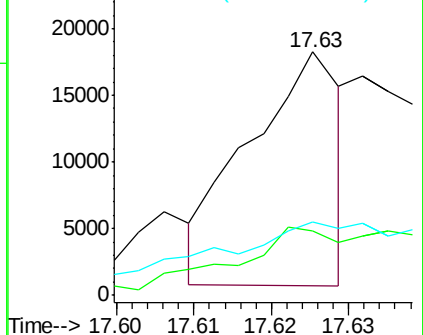


#69
 p-Isopropyltoluene
 Concen: 0.041 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 16:48

Tot Ion: 119 Resp: 14672
 Ion Ratio Lower Upper
 119 100
 134 83.8 20.6 30.8#
 91 87.6 22.2 33.4#

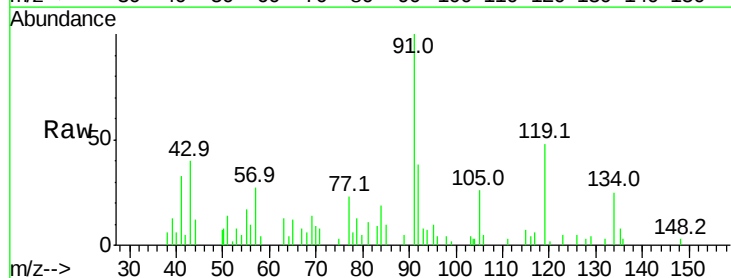


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

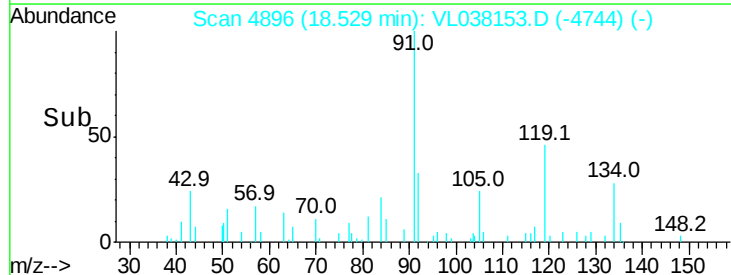
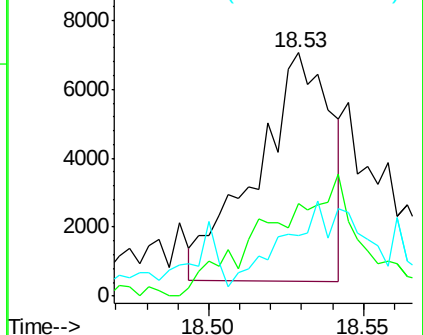


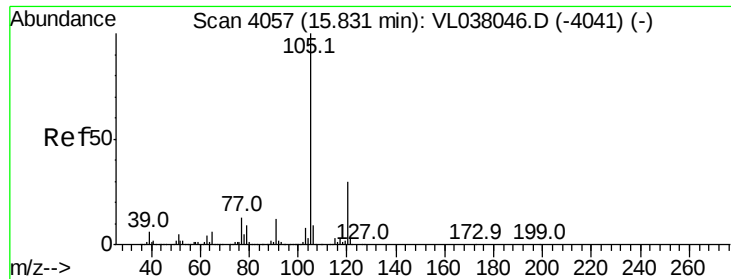
#70
 n-Butylbenzene
 Concen: 0.033 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.01 min
 Lab File: VL038153.D
 Acq: 7 Dec 2021 16:48

Tgt Ion: 91 Resp: 11106
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.1 66.1#
 134 0.0 18.9 28.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.055 ppbv

RT: 15.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:48

Tot Ion:105 Resp: 16671

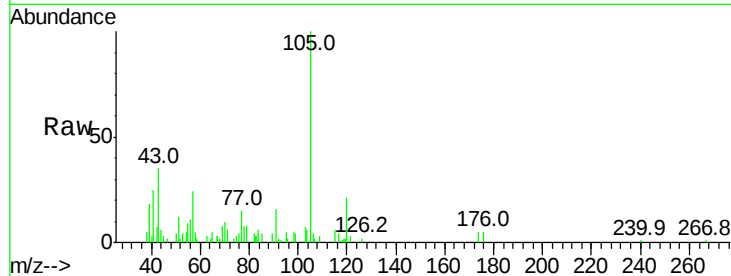
Ion Ratio Lower Upper

105 100

120 55.5 25.1 37.7#

91 0.0 9.7 14.5#

77 28.5 10.6 16.0#

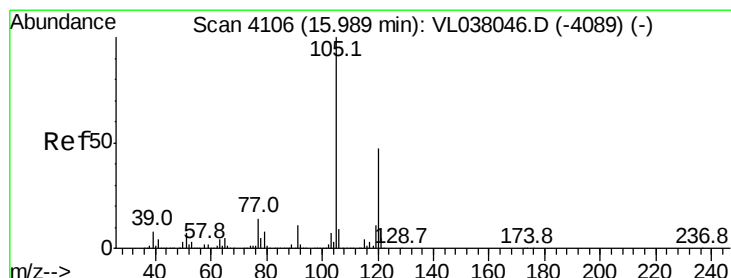
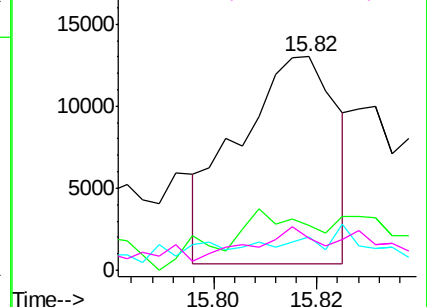
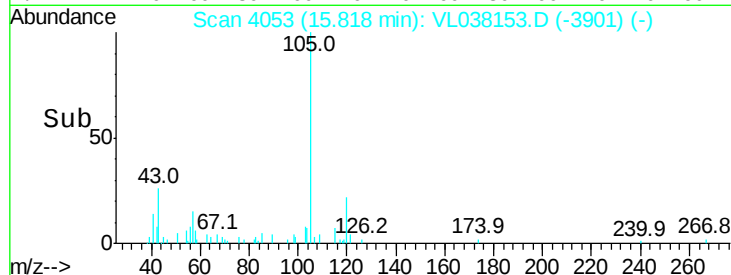


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.038 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.02 min

Lab File: VL038153.D

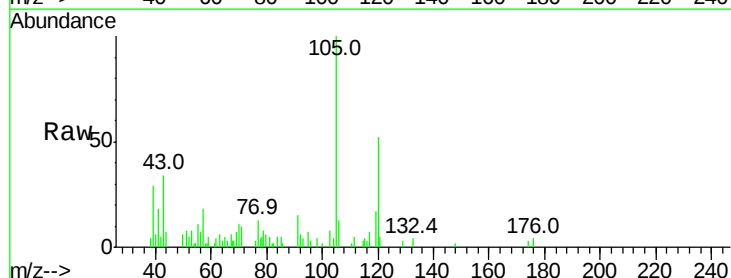
Acq: 7 Dec 2021 16:48

Tgt Ion:105 Resp: 10341

Ion Ratio Lower Upper

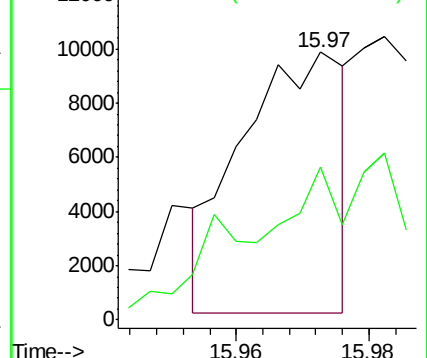
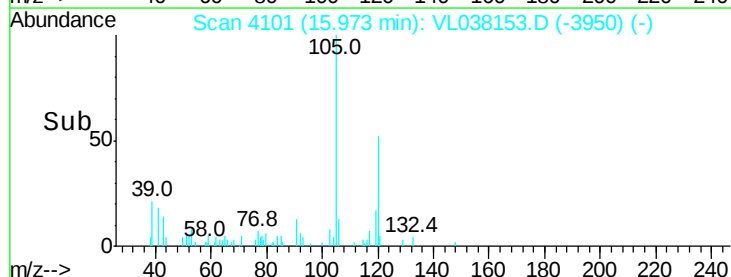
105 100

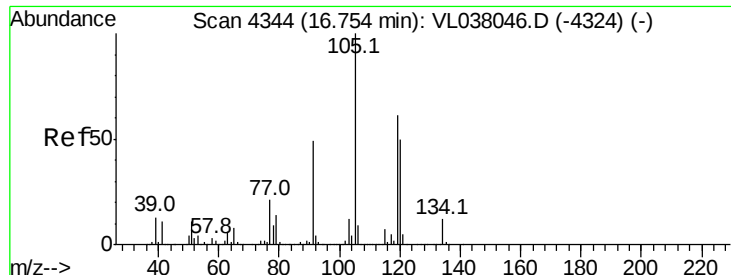
120 72.2 37.8 56.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.323 ppbv

RT: 16.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16.48

Tot Ion: 105 Resp: 91317

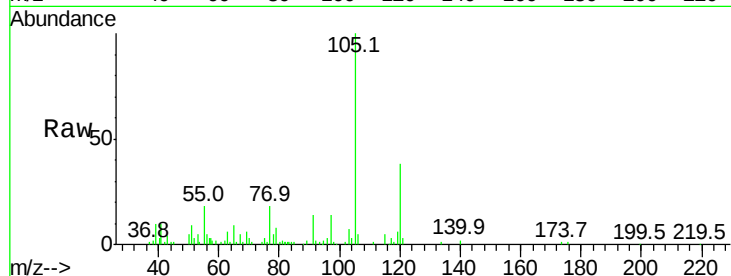
Ion Ratio Lower Upper

105 100

120 42.1 40.1 60.1

91 13.3 39.8 59.8#

77 17.1 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

