

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038152.D
 Acq On : 7 Dec 2021 16:07
 Operator : SY/AP
 Sample : M4897-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Quant Time: Dec 08 02:02:18 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	5.66	49	883230	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2282193	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2047175	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1638088	11.09	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.90%

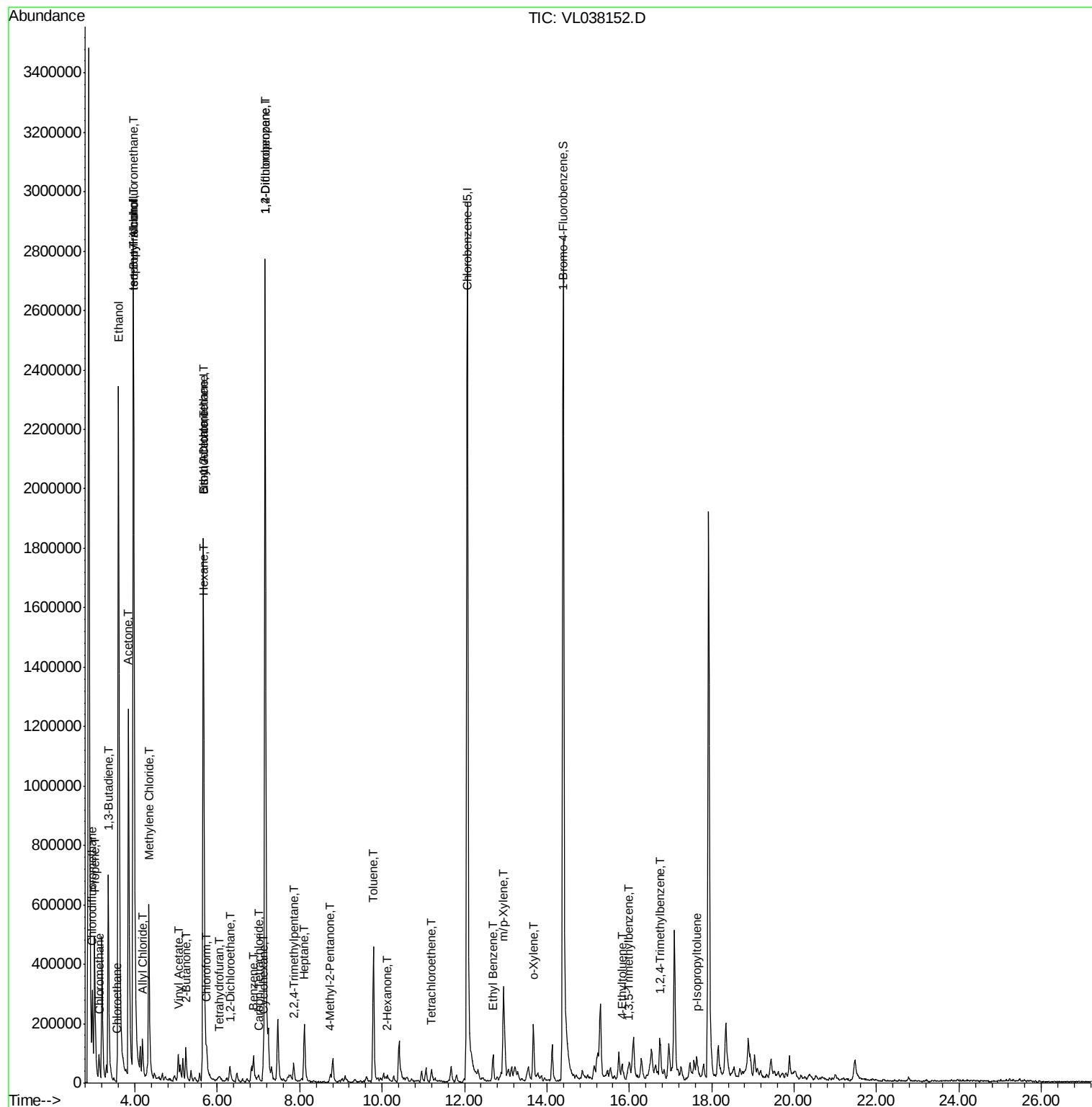
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	242107	1.305	ppbv #	68
4) Chloromethane	3.14	50	15341	0.243	ppbv #	87
7) Chloroethane	3.56	64	768	0.035	ppbv #	82
9) Propene	3.02	41	128003	1.874	ppbv #	73
10) Heptane	8.11	43	82483	0.489	ppbv	97
11) Trichlorofluoromethane	3.95	101	63566	0.458	ppbv	90
13) Ethanol	3.60	45	3356113	508.401	ppbv	90
15) Acetone	3.84	43	1617561	21.123	ppbv	100
16) 1,3-Butadiene	3.35	39	101157	1.693	ppbv #	16
17) tert-Butyl alcohol	3.96	59	141957	1.528	ppbv	99
19) Isopropyl Alcohol	3.96	45	4001243	72.316	ppbv	100
20) Methylene Chloride	4.34	84	245132	5.715	ppbv	98
21) Allyl Chloride	4.18	41	8978	0.127	ppbv #	1
23) Vinyl Acetate	5.05	43	71174	0.642	ppbv #	63
25) Ethyl Acetate	5.66	43	355794	1.398	ppbv #	97
26) Hexane	5.68	57	138651	1.130	ppbv #	79
29) Chloroform	5.74	83	39248	0.217	ppbv	90
30) Cyclohexane	7.11	84	10994	0.099	ppbv #	1
31) cis-1,2-Dichloroethene	5.66	61	31356	0.269	ppbv #	24
34) 2-Butanone	5.24	43	135581	1.473	ppbv	95
35) Carbon Tetrachloride	7.01	117	5678	0.035	ppbv #	70
36) Benzene	6.88	78	59417	0.261	ppbv	97
37) 1,2-Dichloroethane	6.30	62	7252	0.066	ppbv #	75
39) 1,2-Dichloropropane	7.16	63	611401	7.001	ppbv #	27
41) Tetrahydrofuran	6.04	42	2415	0.042	ppbv #	36
44) 2,2,4-Trimethylpentane	7.85	57	22688	0.060	ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	5806	0.042	ppbv #	38
51) 2-Hexanone	10.13	43	6366	0.097	ppbv #	1
52) Tetrachloroethene	11.20	164	3607	0.043	ppbv #	72
53) Toluene	9.79	91	349256	1.333	ppbv	99
58) Ethyl Benzene	12.69	91	80371	0.238	ppbv	94
59) m/p-Xylene	12.95	91	328518	1.153	ppbv	97
60) o-Xylene	13.67	91	151481	0.573	ppbv	95
69) p-Isopropyltoluene	17.63	119	39981	0.111	ppbv #	73
72) 4-Ethyltoluene	15.82	105	14368	0.047	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.98	105	15852	0.057	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	43659	0.151	ppbv #	64

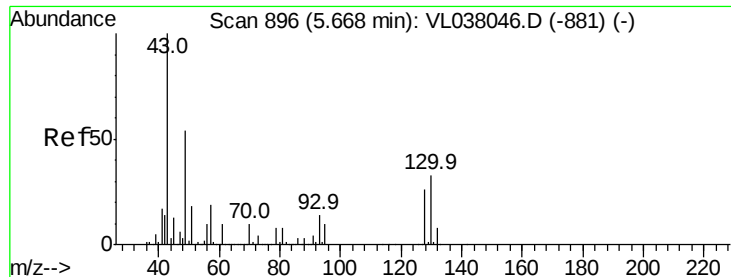
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LA-1

Acq: 7 Dec 2021 16:07

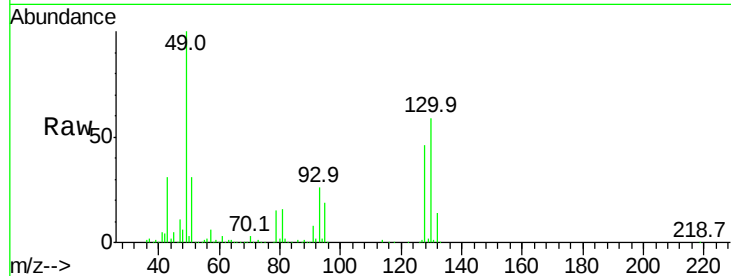
Tot Ion: 49 Resp: 883230

Ion Ratio Lower Upper

49 100

128 46.1 26.5 79.5

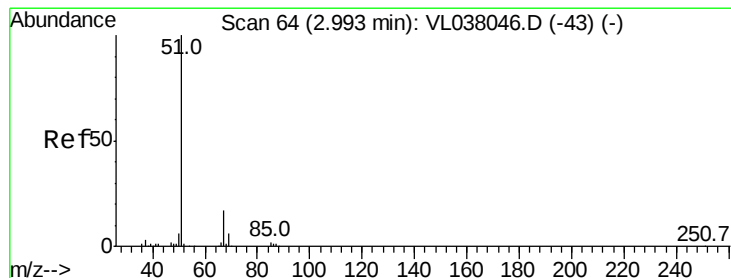
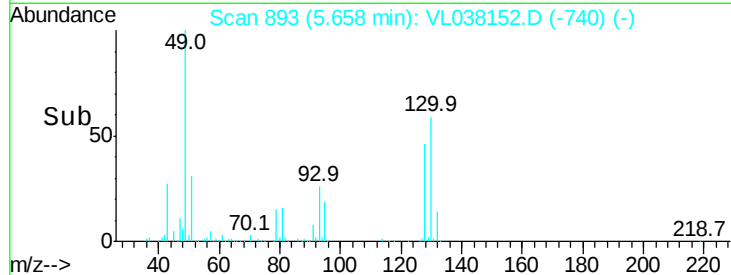
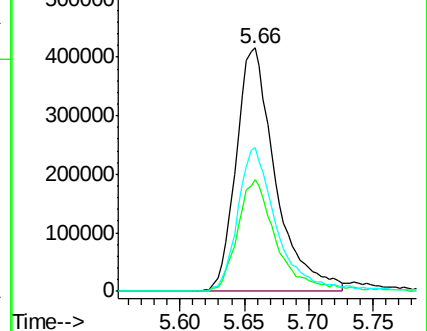
130 59.9 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 1.305 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.03 min

Lab File: VL038152.D

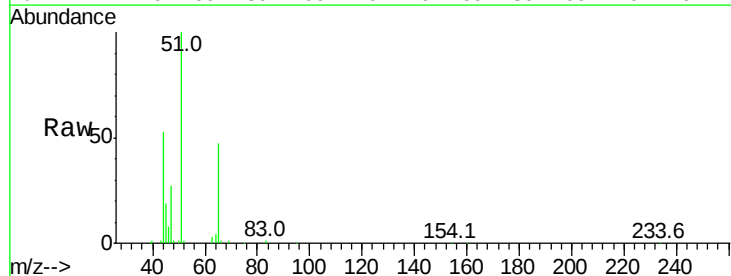
Acq: 7 Dec 2021 16:07

Tgt Ion: 51 Resp: 242107

Ion Ratio Lower Upper

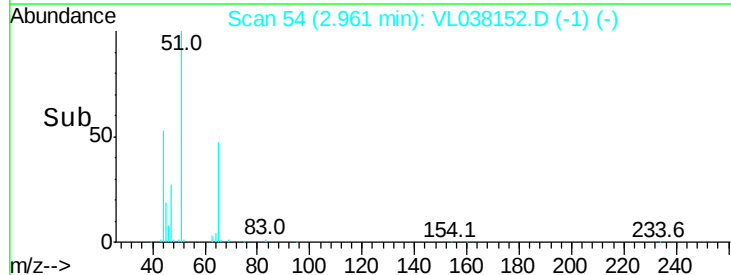
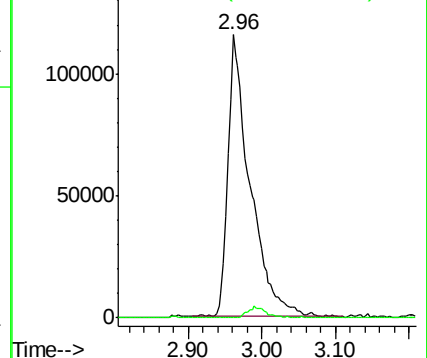
51 100

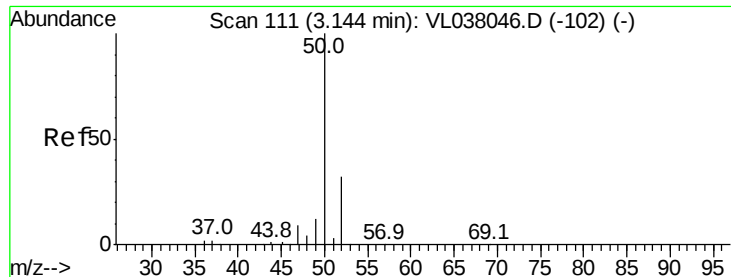
67 3.3 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.243 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

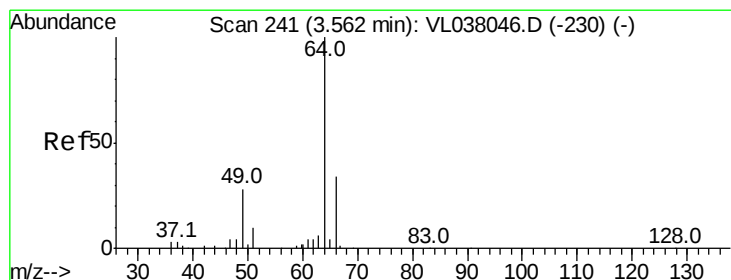
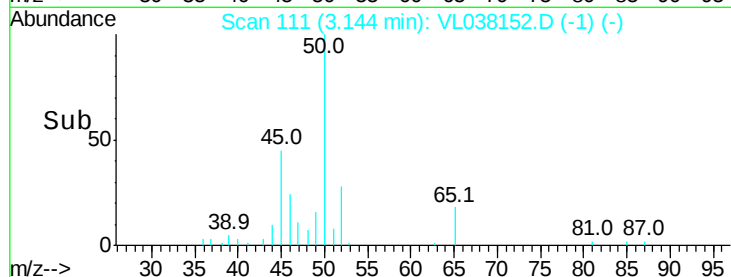
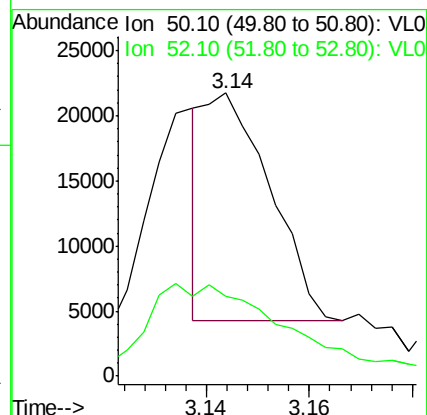
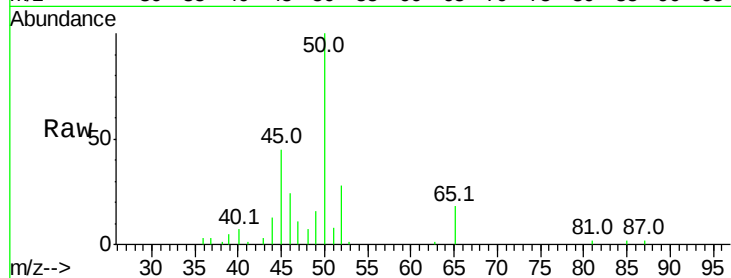
Acq: 7 Dec 2021 16:07

Tot Ion: 50 Resp: 15341

Ion Ratio Lower Upper

50 100

52 24.5 25.4 38.0#



#7

Chloroethane

Concen: 0.035 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL038152.D

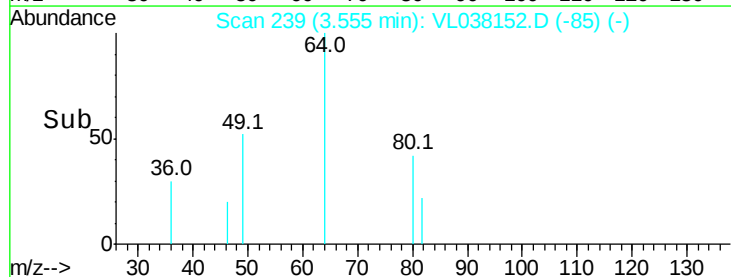
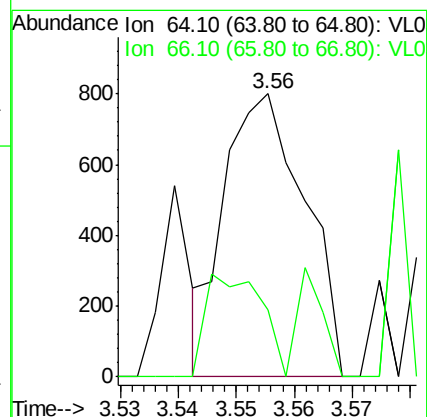
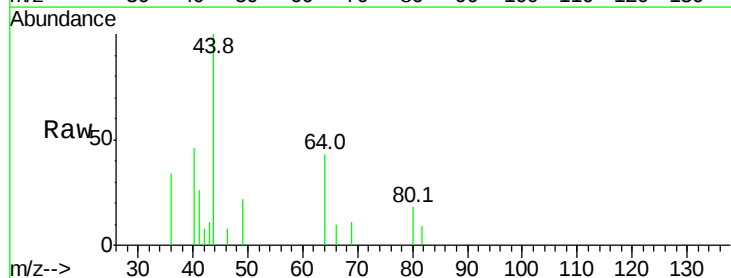
Acq: 7 Dec 2021 16:07

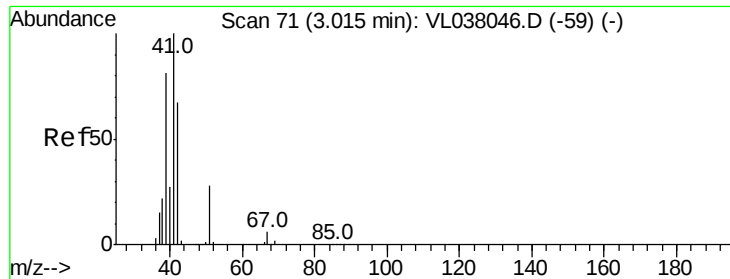
Tgt Ion: 64 Resp: 768

Ion Ratio Lower Upper

64 100

66 23.9 27.2 40.8#





#9

Propene

Concen: 1.874 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

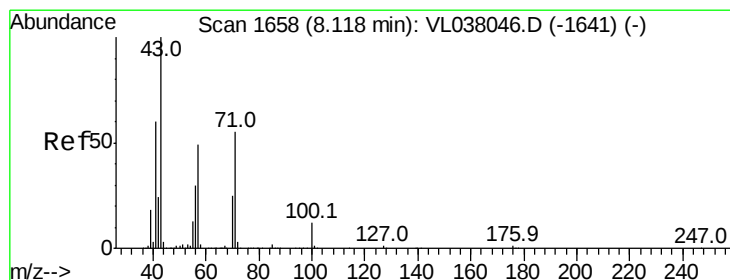
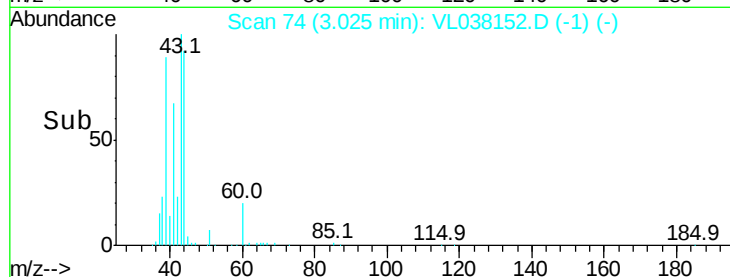
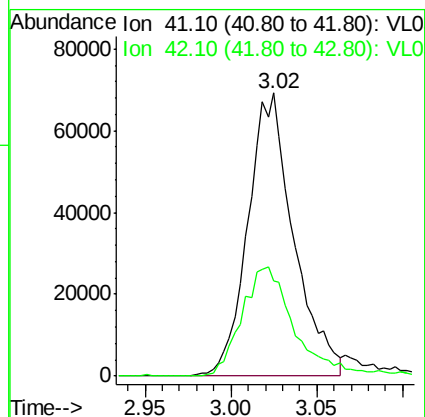
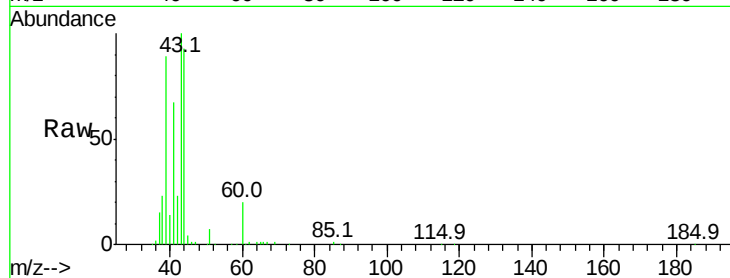
Acq: 7 Dec 2021 16:07

Tot Ion: 41 Resp: 128003

Ion Ratio Lower Upper

41 100

42 45.2 53.8 80.8#



#10

Heptane

Concen: 0.489 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL038152.D

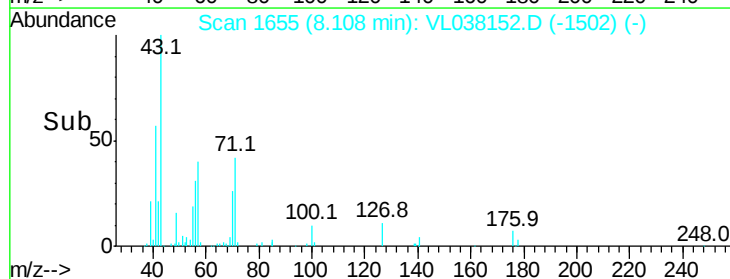
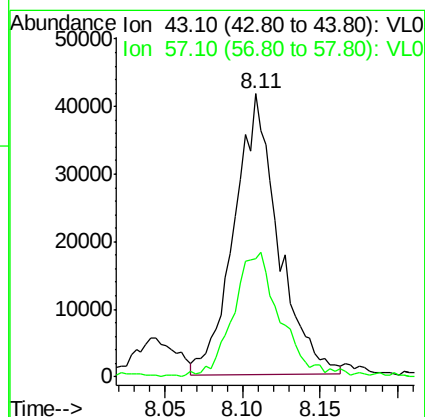
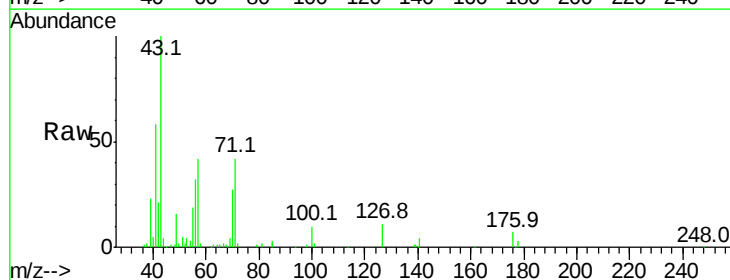
Acq: 7 Dec 2021 16:07

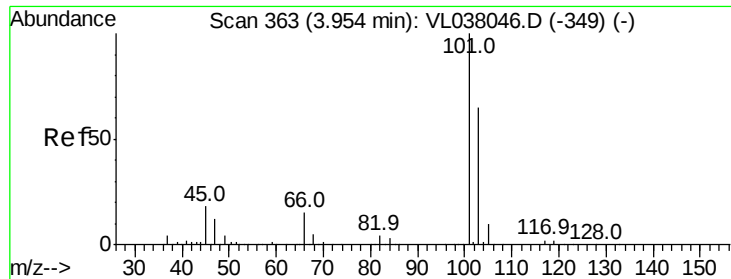
Tgt Ion: 43 Resp: 82483

Ion Ratio Lower Upper

43 100

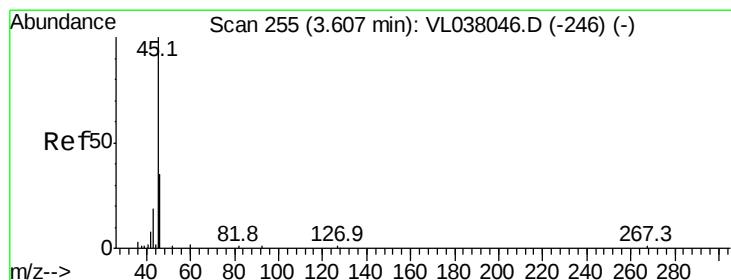
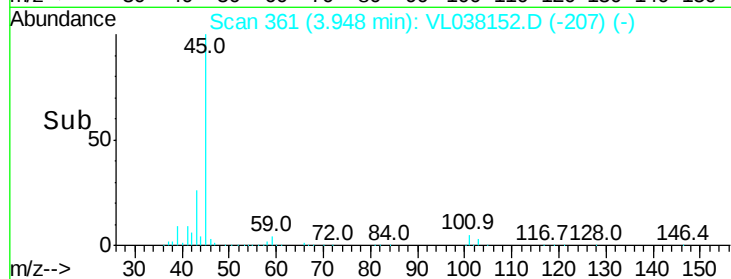
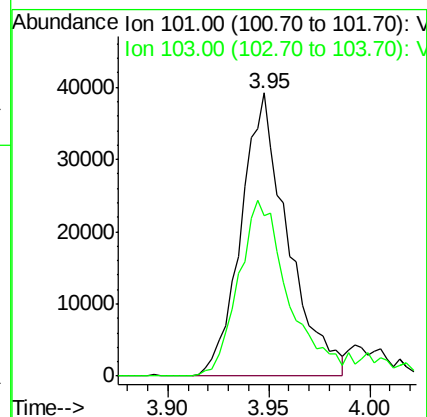
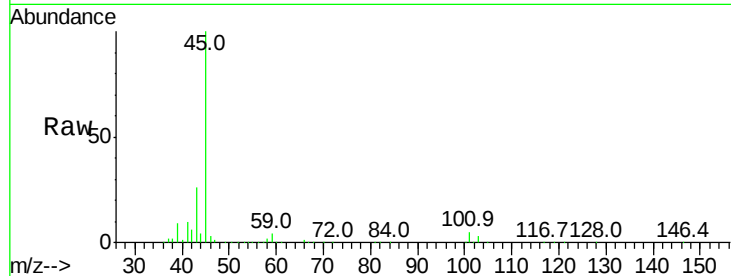
57 48.6 40.4 60.6





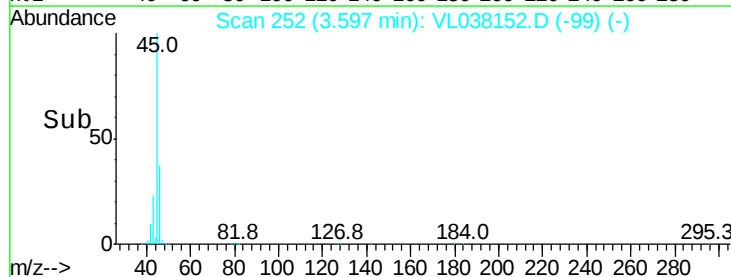
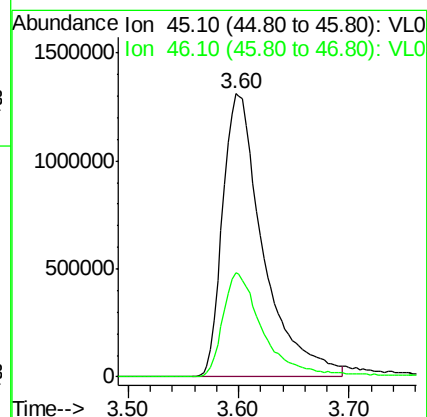
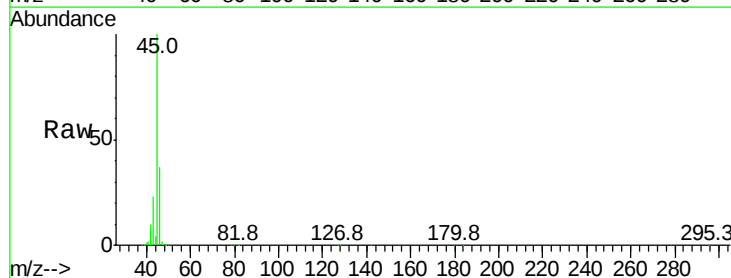
#11
 Trichlorofluoromethane
 Concen: 0.458 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 16:07

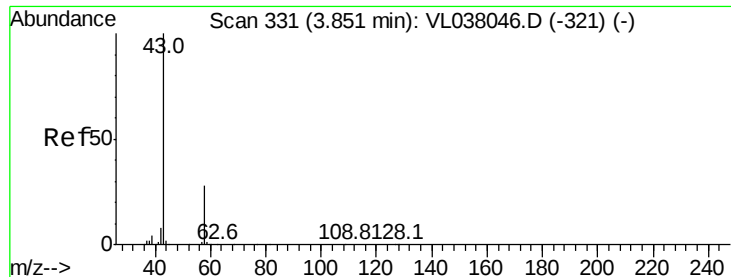
Tot Ion: 101 Resp: 63566
 Ion Ratio Lower Upper
 101 100
 103 56.7 51.8 77.6



#13
 Ethanol
 Concen: 508.401 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL038152.D
 Acq: 7 Dec 2021 16:07

Tgt Ion: 45 Resp: 3356113
 Ion Ratio Lower Upper
 45 100
 46 37.6 17.6 70.2





#15

Acetone

Concen: 21.123 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

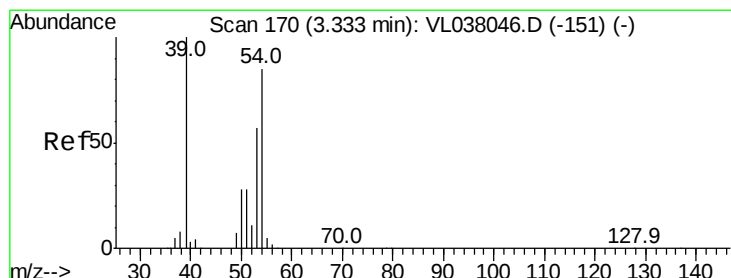
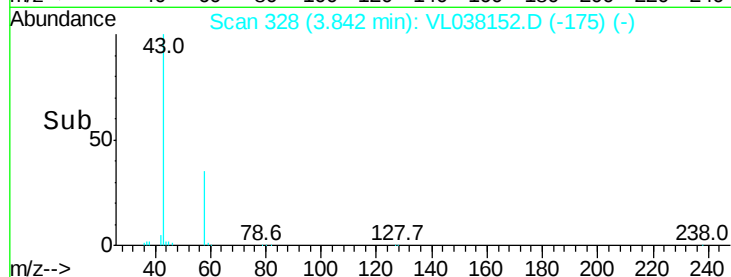
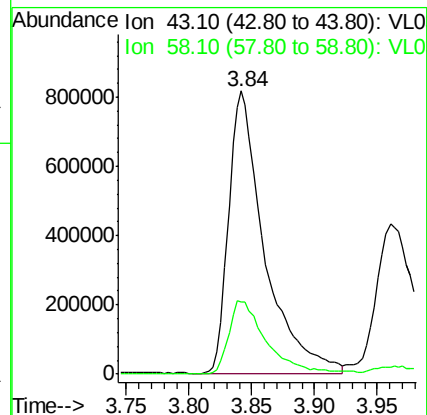
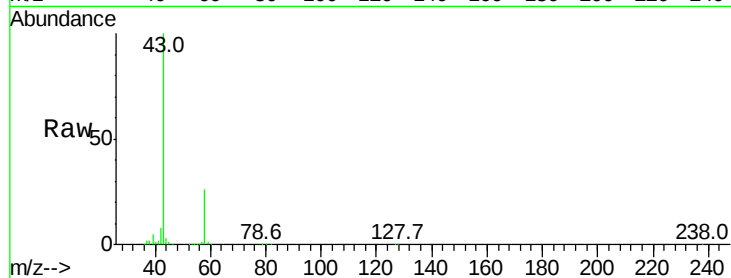
Acq: 7 Dec 2021 16:07

Tot Ion: 43 Resp: 1617561

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6



#16

1,3-Butadiene

Concen: 1.693 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.02 min

Lab File: VL038152.D

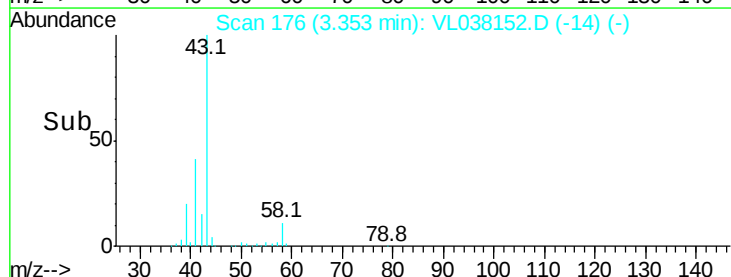
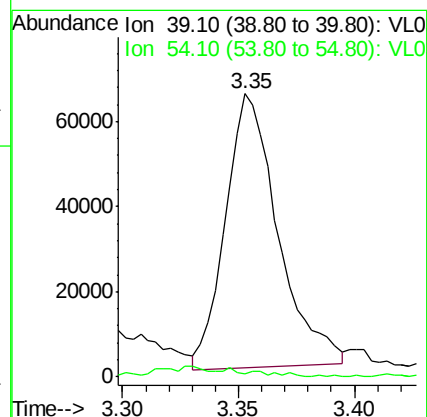
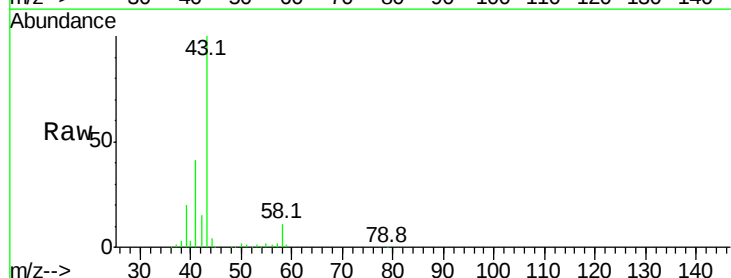
Acq: 7 Dec 2021 16:07

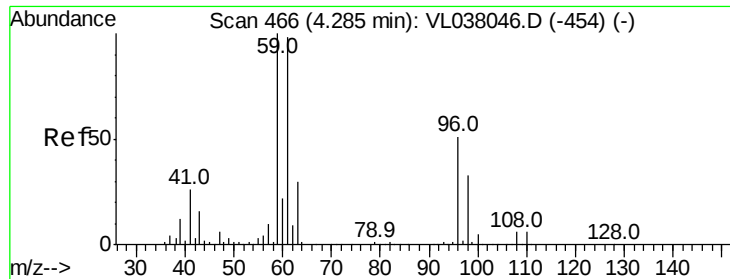
Tgt Ion: 39 Resp: 101157

Ion Ratio Lower Upper

39 100

54 6.1 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 1.528 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

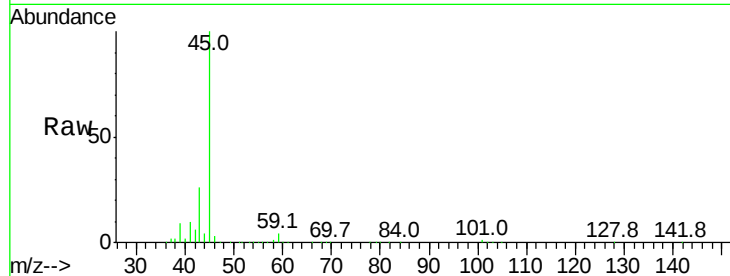
Acq: 7 Dec 2021 16:07

Tot Ion: 59 Resp: 141957

Ion Ratio Lower Upper

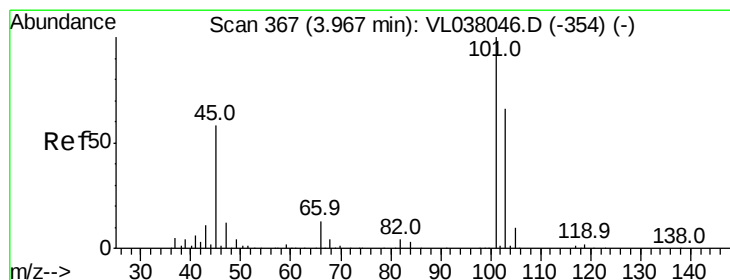
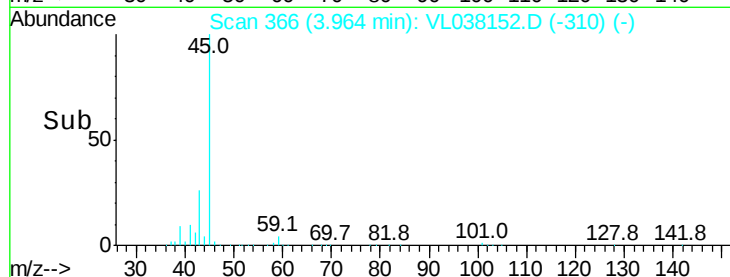
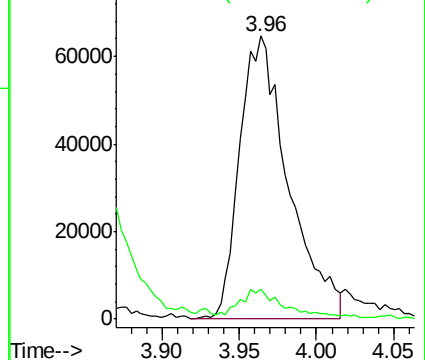
59 100

57 10.4 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 72.316 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL038152.D

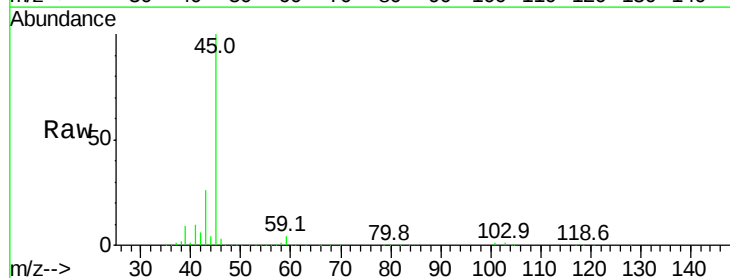
Acq: 7 Dec 2021 16:07

Tgt Ion: 45 Resp: 4001243

Ion Ratio Lower Upper

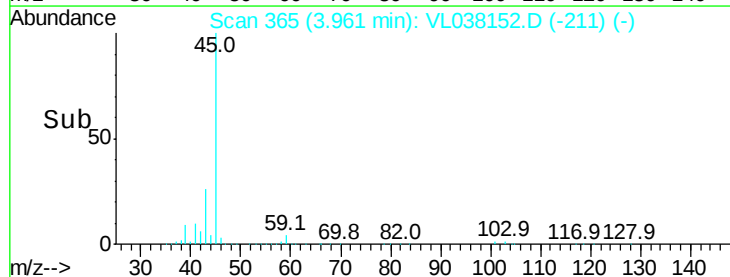
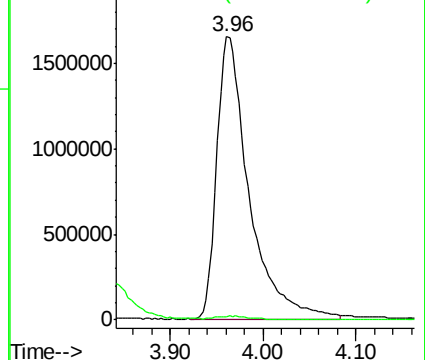
45 100

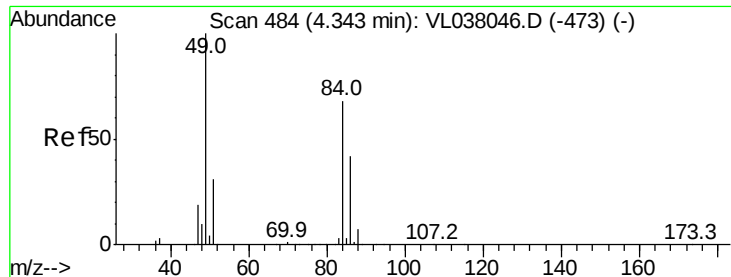
58 1.7 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 5.715 ppbv

RT: 4.34 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

Tot Ion: 84 Resp: 245132

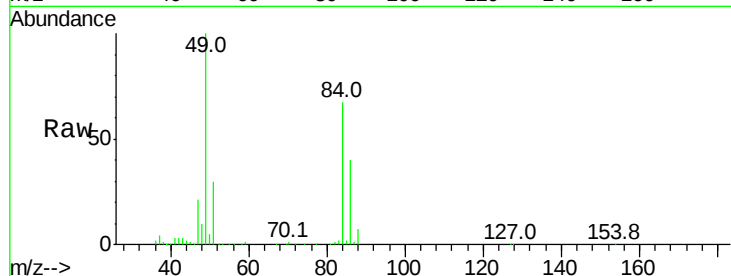
Ion Ratio Lower Upper

84 100

49 149.0 118.2 177.2

51 43.9 36.8 55.2

86 59.6 49.0 73.6

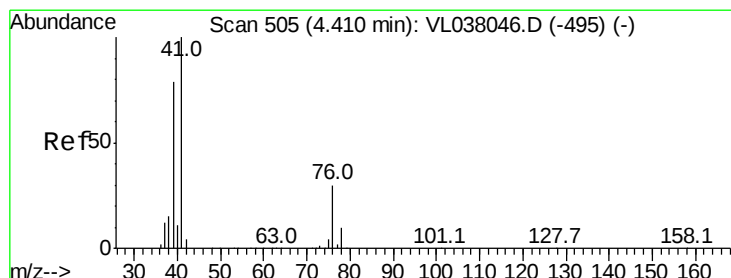
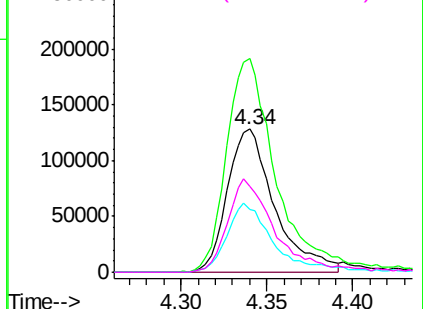
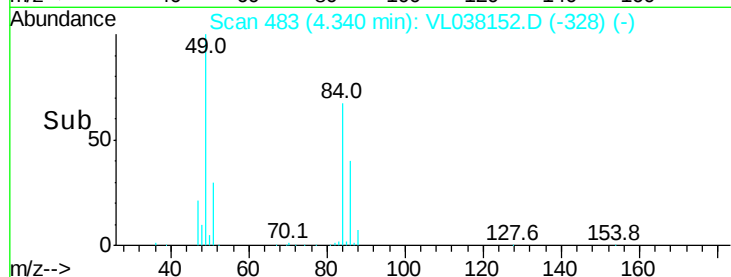


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.127 ppbv

RT: 4.18 min Scan# 434

Delta R.T. -0.23 min

Lab File: VL038152.D

Acq: 7 Dec 2021 16:07

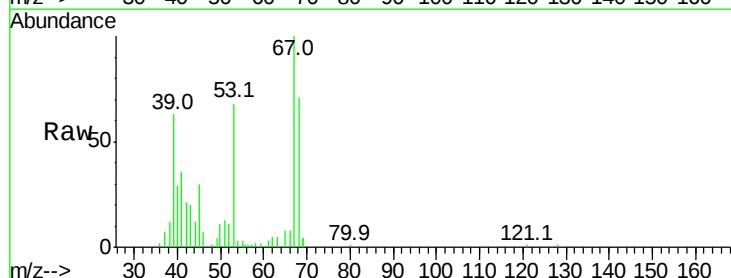
Tgt Ion: 41 Resp: 8978

Ion Ratio Lower Upper

41 100

76 0.0 24.6 36.8#

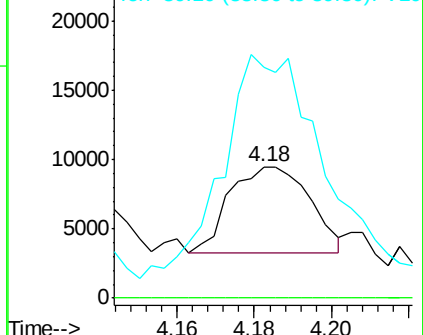
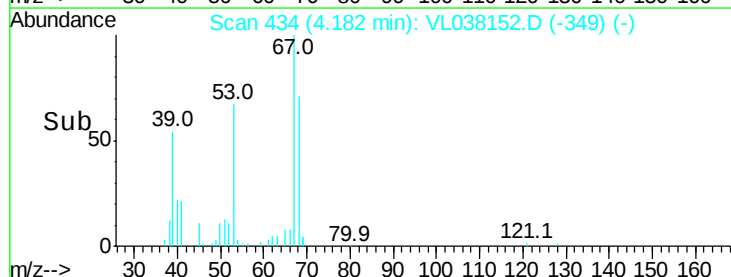
39 336.2 63.4 95.0#

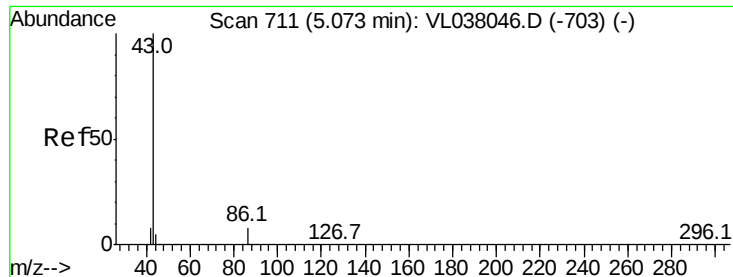


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.642 ppbv

RT: 5.05 Instrument:

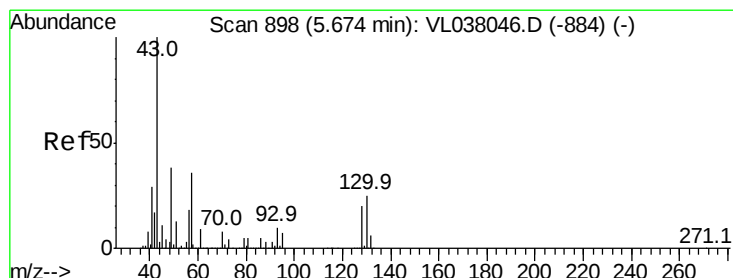
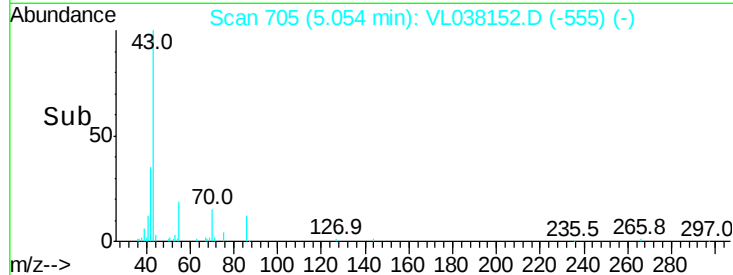
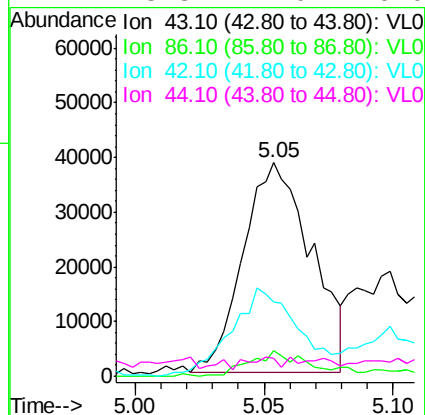
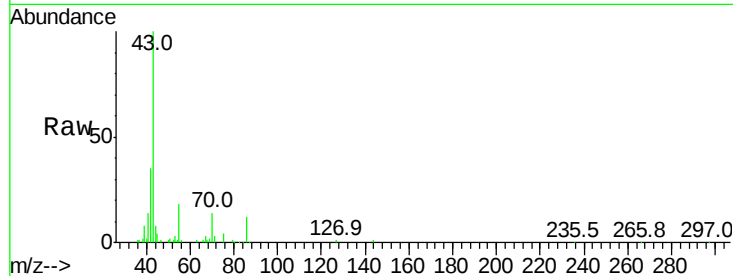
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

Tot Ion: 43 Resp: 71174

Ion	Ratio	Lower	Upper
43	100		
86	12.5	5.3	7.9#
42	34.1	7.0	10.6#
44	3.3	4.0	6.0#



#25

Ethyl Acetate

Concen: 1.398 ppbv

RT: 5.66 min Scan# 895

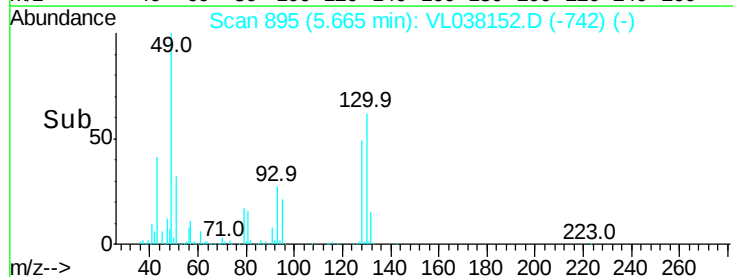
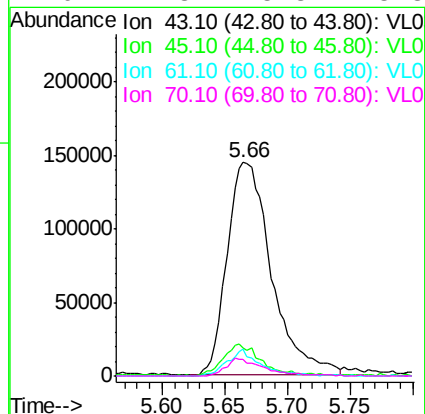
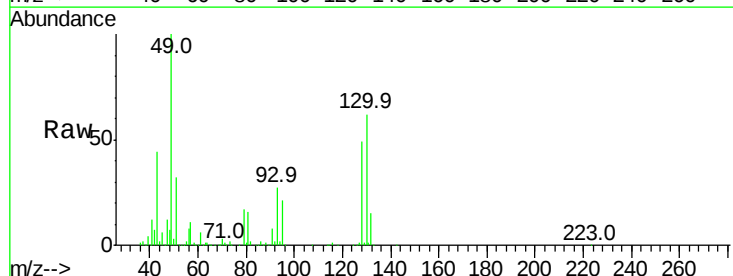
Delta R.T. -0.01 min

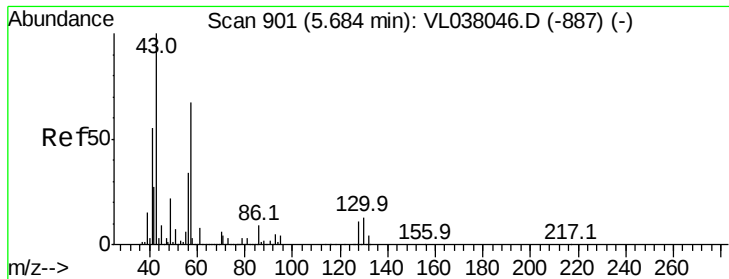
Lab File: VL038152.D

Acq: 7 Dec 2021 16:07

Tgt Ion: 43 Resp: 355794

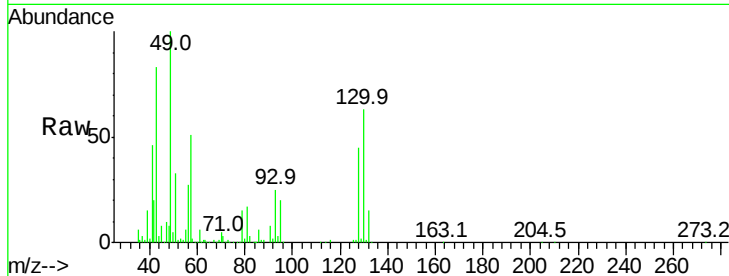
Ion	Ratio	Lower	Upper
43	100		
45	12.9	7.9	11.9#
61	9.7	7.8	11.6
70	7.3	5.8	8.8



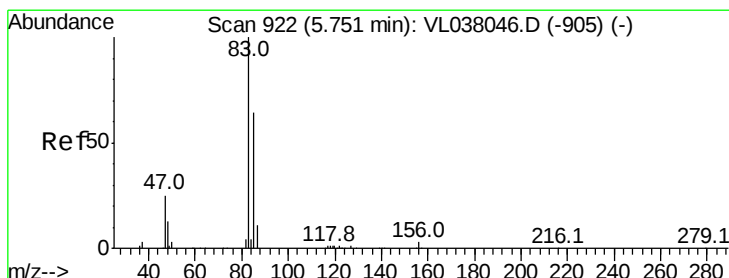
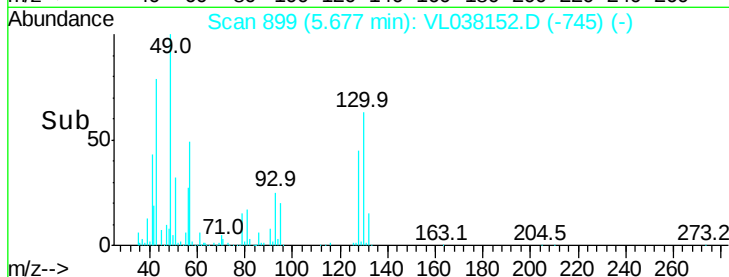
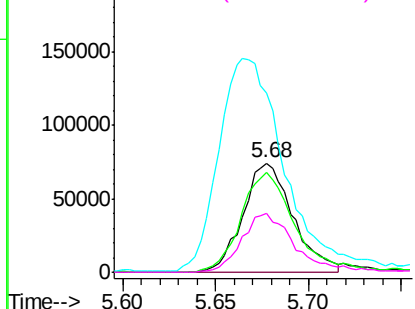


#26
Hexane
Concen: 1.130 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:07

Tot Ion: 57 Resp: 138651
Ion Ratio Lower Upper
57 100
41 101.7 71.4 107.2
43 263.3 174.6 261.8#
56 59.3 43.2 64.8

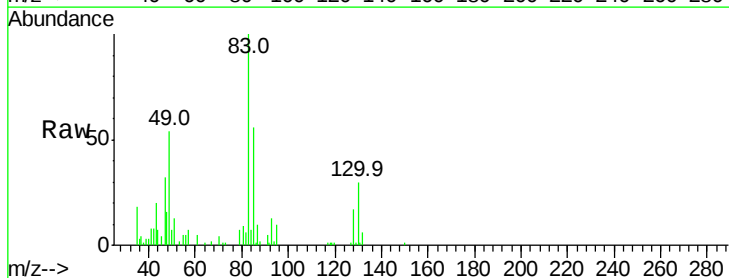


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

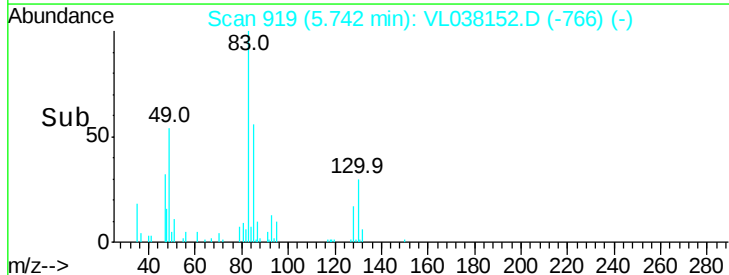
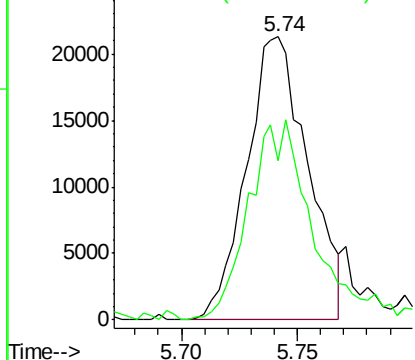


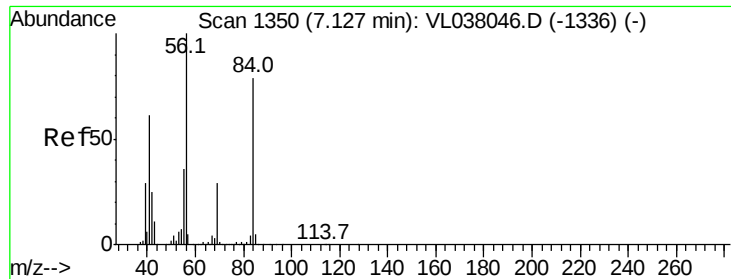
#29
Chloroform
Concen: 0.217 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL038152.D
Acq: 7 Dec 2021 16:07

Tgt Ion: 83 Resp: 39248
Ion Ratio Lower Upper
83 100
85 56.2 51.0 76.6



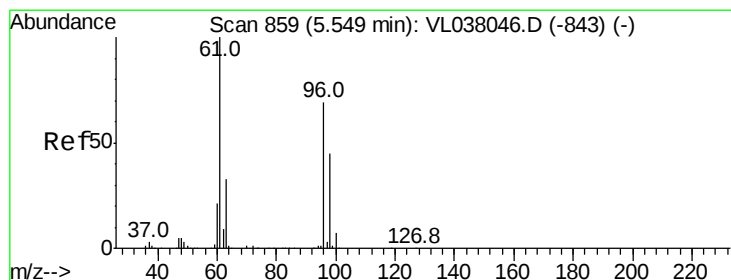
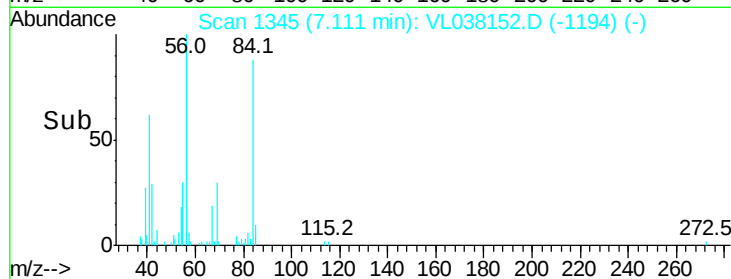
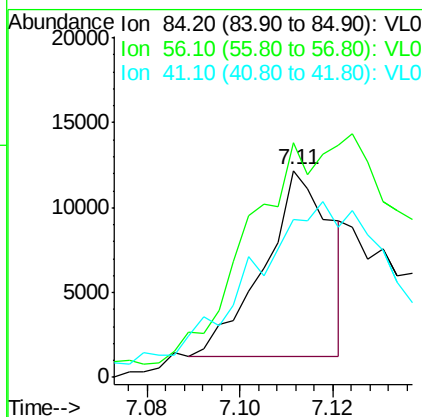
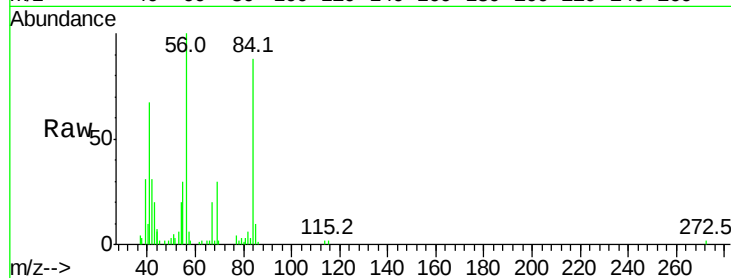
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





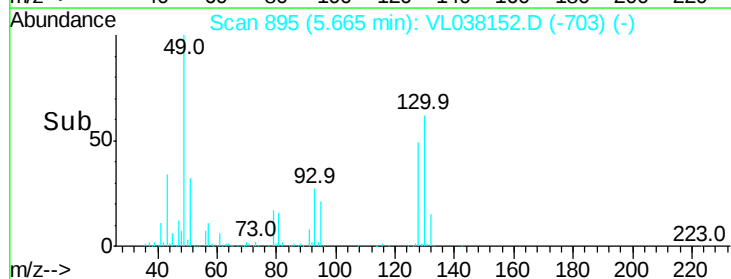
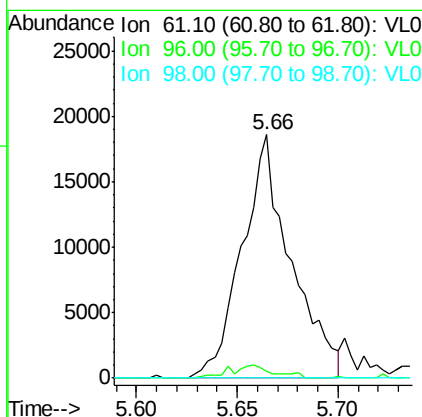
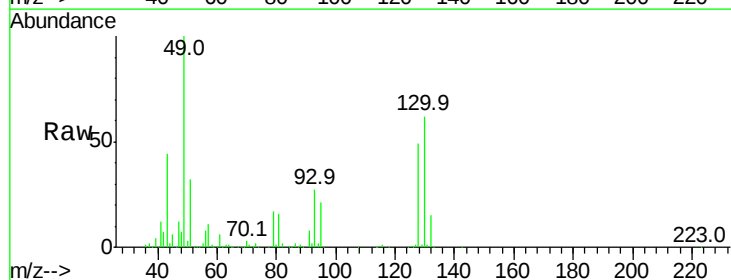
#30
Cvclohexane
Concen: 0.099 ppbv
RT: 7.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:07

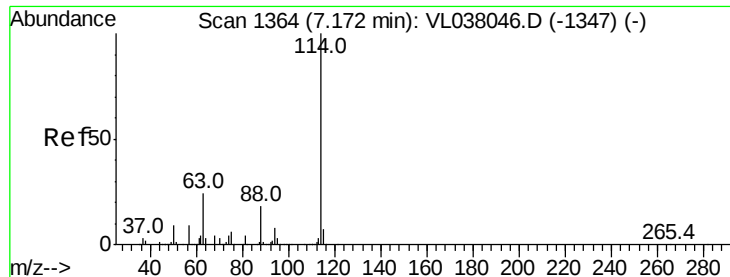
Tot Ion: 84 Resp: 10994
Ion Ratio Lower Upper
84 100
56 0.0 108.1 162.1#
41 203.6 64.4 96.6#



#31
cis-1,2-Dichloroethene
Concen: 0.269 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.12 min
Lab File: VL038152.D
Acq: 7 Dec 2021 16:07

Tgt Ion: 61 Resp: 31356
Ion Ratio Lower Upper
61 100
96 2.8 55.4 83.2#
98 0.0 35.7 53.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

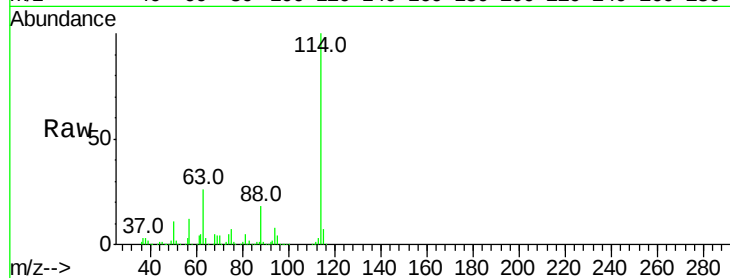
Tot Ion:114 Resp: 2282193

Ion Ratio Lower Upper

114 100

63 27.3 19.7 29.5

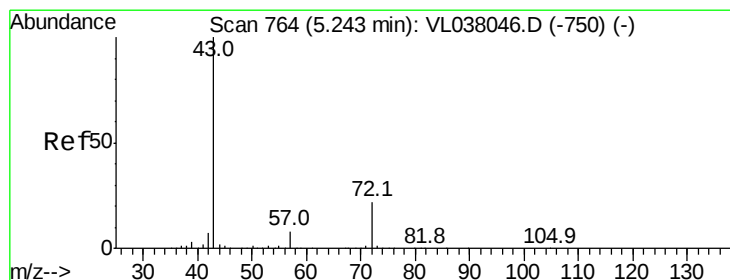
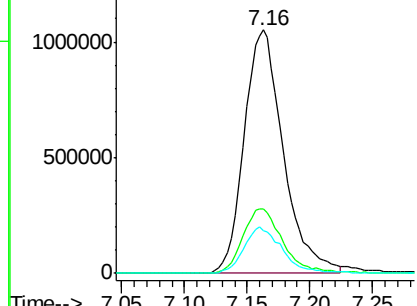
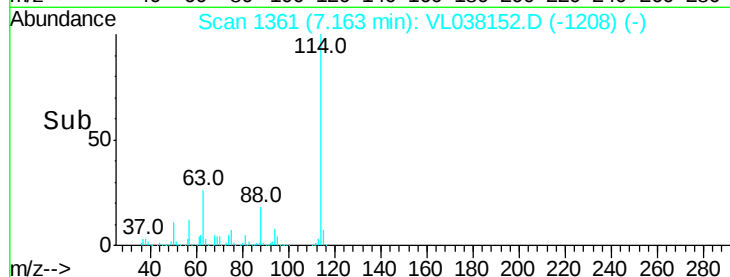
88 19.0 14.4 21.6



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: 1.473 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.01 min

Lab File: VL038152.D

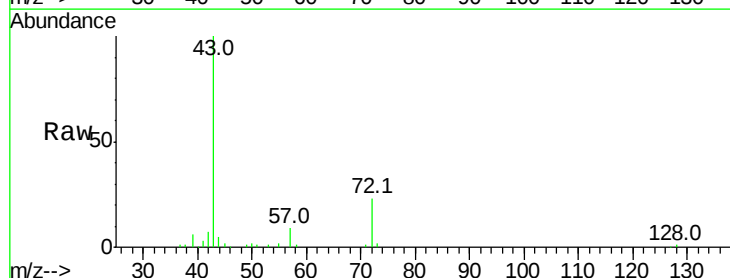
Acq: 7 Dec 2021 16:07

Tgt Ion: 43 Resp: 135581

Ion Ratio Lower Upper

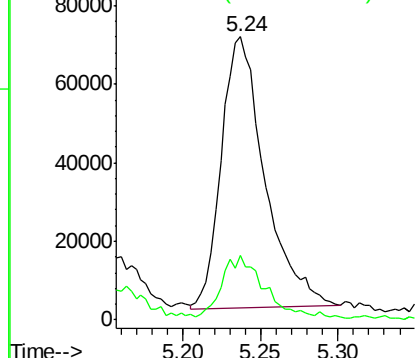
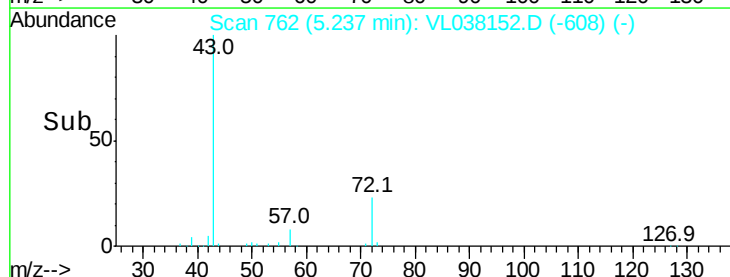
43 100

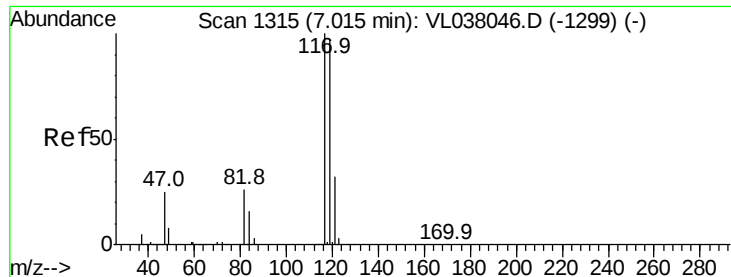
72 26.1 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

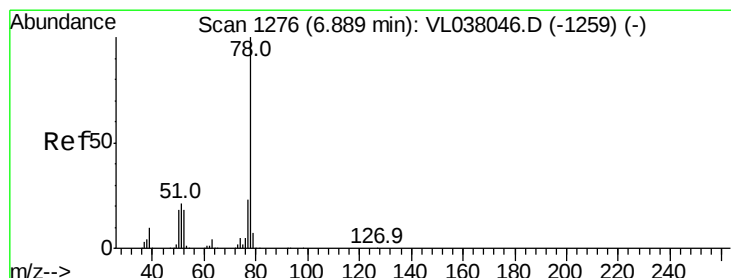
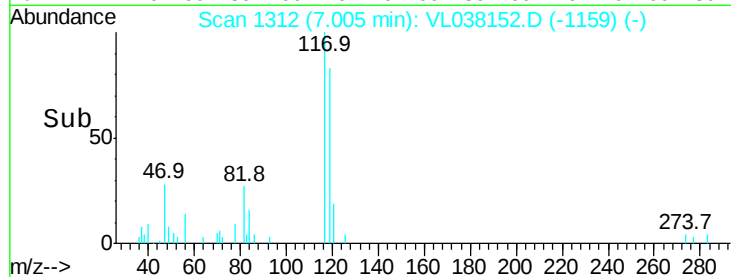
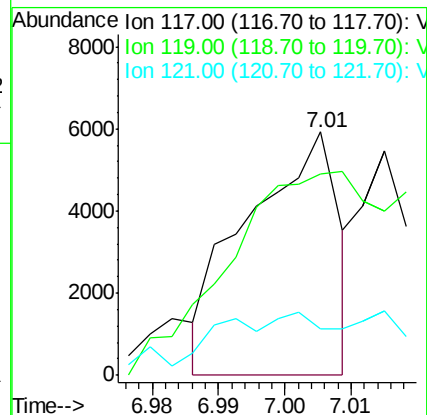
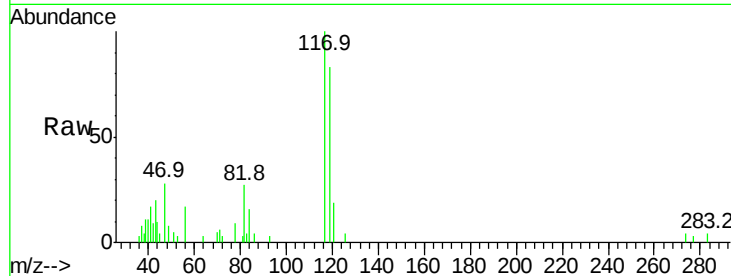
Tot Ion:117 Resp: 5678

Ion Ratio Lower Upper

117 100

119 68.8 77.7 116.5#

121 12.7 25.6 38.4#



#36

Benzene

Concen: 0.261 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL038152.D

Acq: 7 Dec 2021 16:07

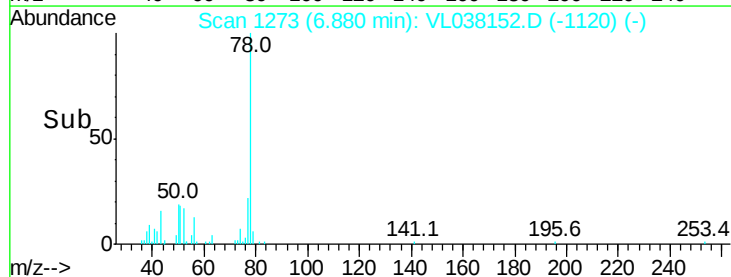
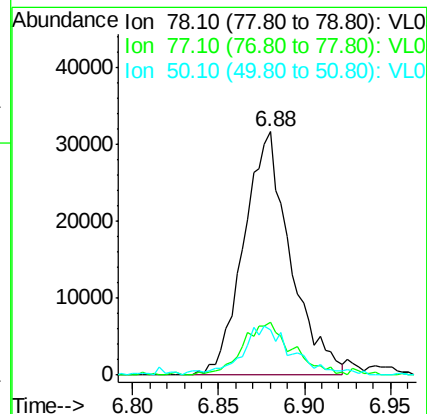
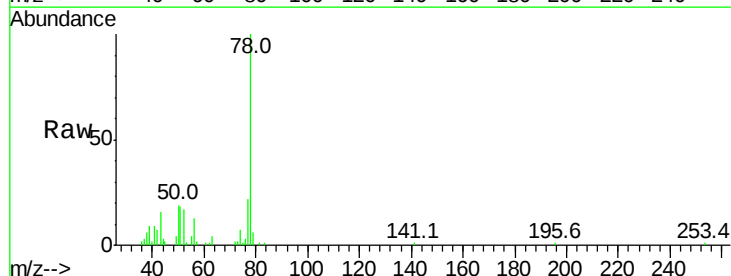
Tgt Ion: 78 Resp: 59417

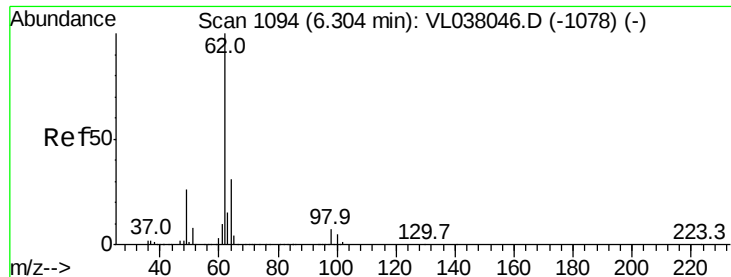
Ion Ratio Lower Upper

78 100

77 21.5 18.2 27.4

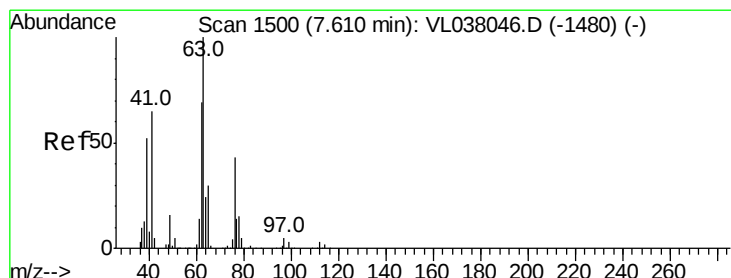
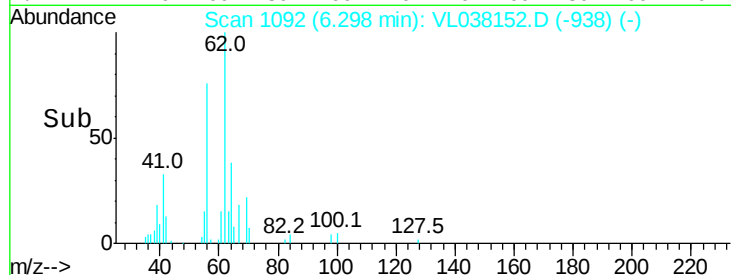
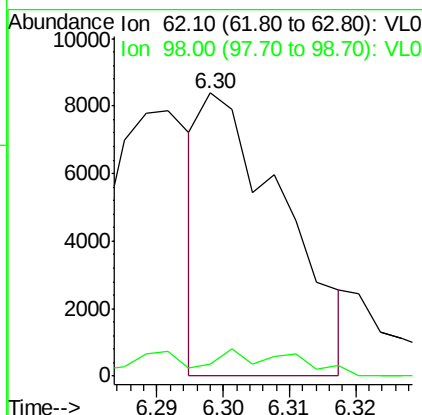
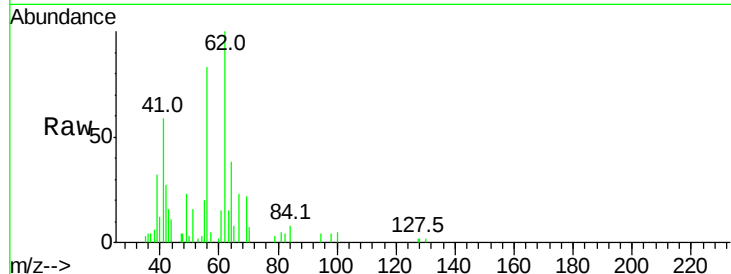
50 16.8 14.7 22.1





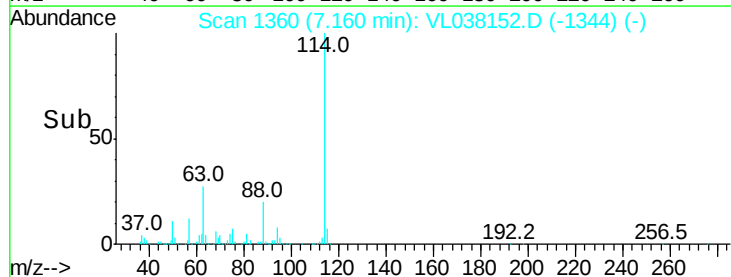
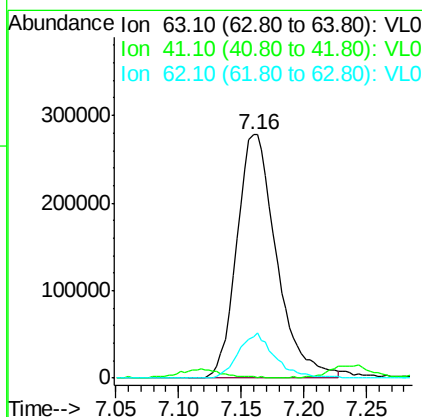
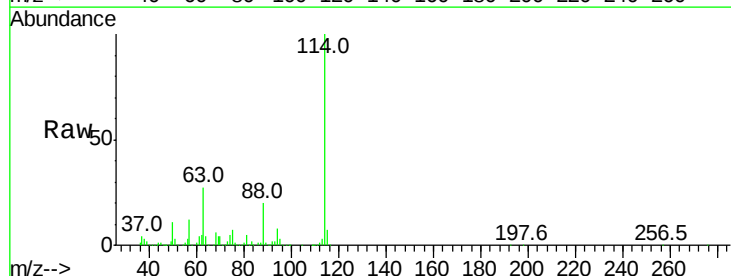
#37
 1,2-Dichloroethane
 Concen: 0.066 ppbv
 RT: 6.30
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 16:07

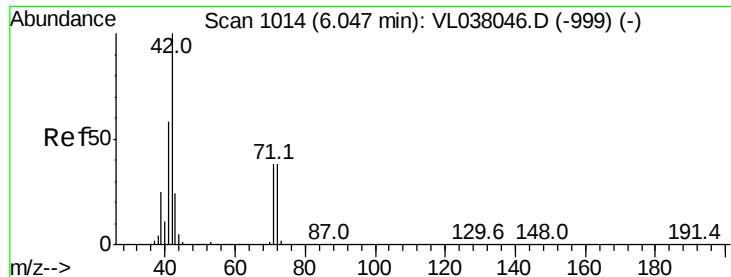
Tot Ion: 62 Resp: 7252
 Ion Ratio Lower Upper
 62 100
 98 15.9 5.8 8.6#



#39
 1,2-Dichloropropane
 Concen: 7.001 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.45 min
 Lab File: VL038152.D
 Acq: 7 Dec 2021 16:07

Tgt Ion: 63 Resp: 611401
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 17.1 55.1 82.7#





#41

Tetrahydrofuran

Concen: 0.042 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

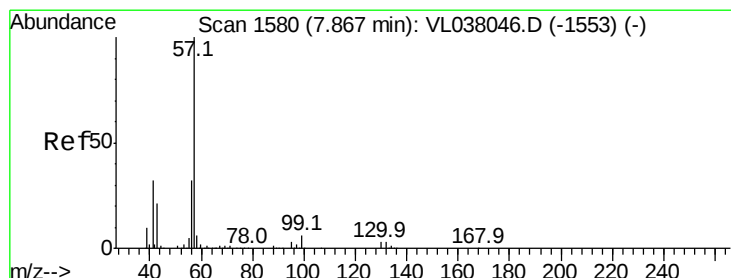
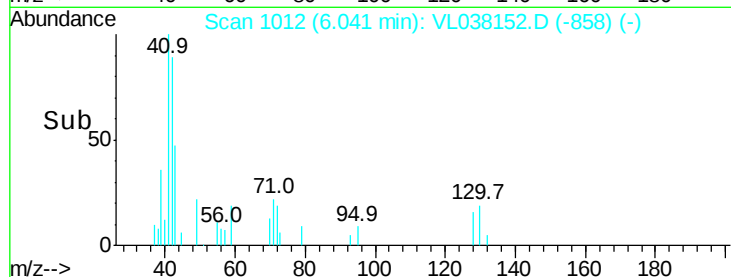
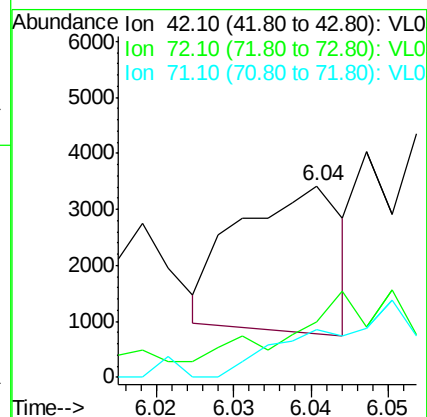
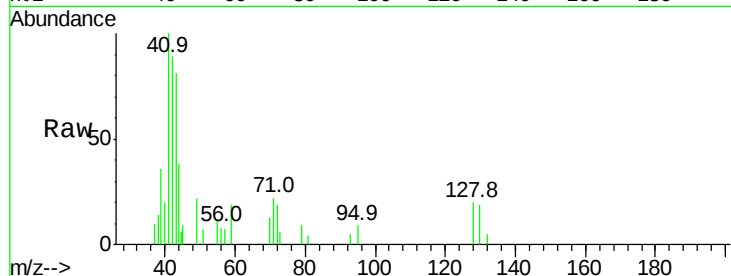
Tot Ion: 42 Resp: 2415

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 0.0 30.6 46.0#



#44

2,2,4-Trimethylpentane

Concen: 0.060 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VL038152.D

Acq: 7 Dec 2021 16:07

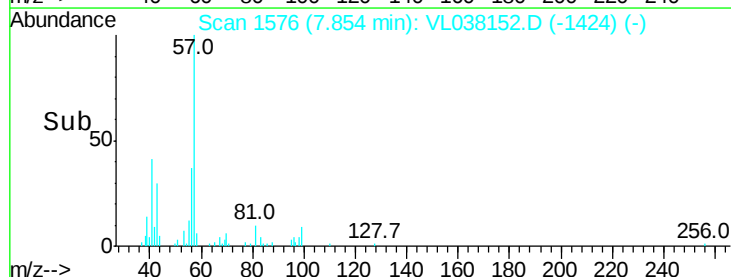
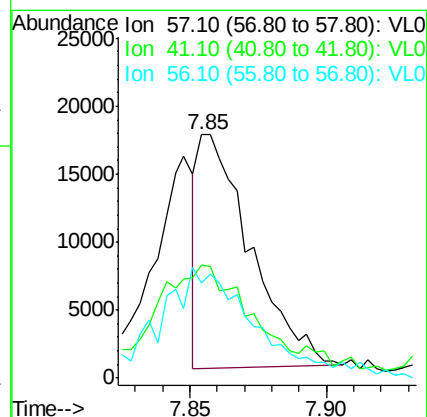
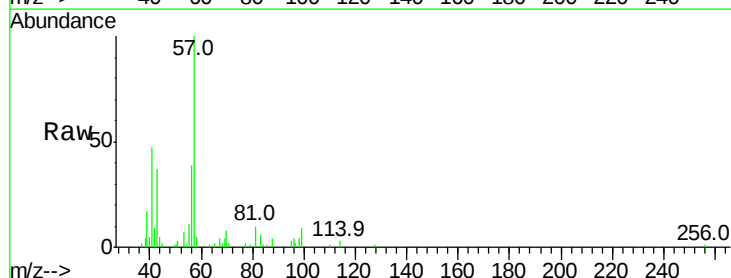
Tgt Ion: 57 Resp: 22688

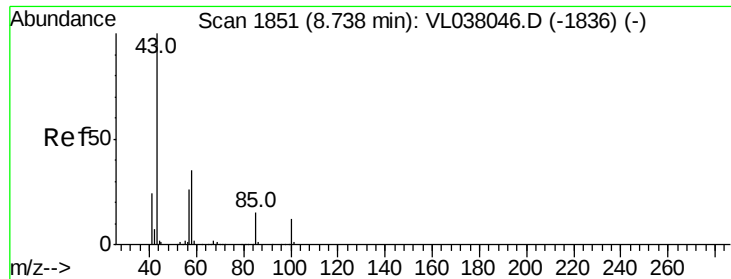
Ion Ratio Lower Upper

57 100

41 93.8 25.8 38.6#

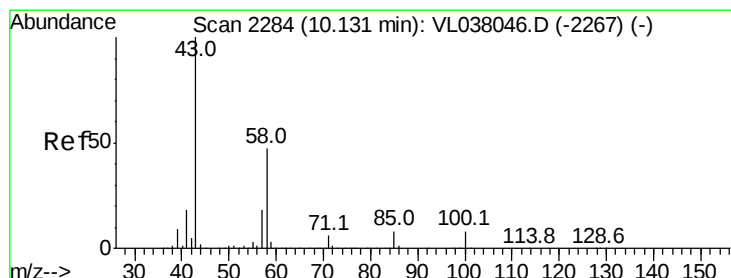
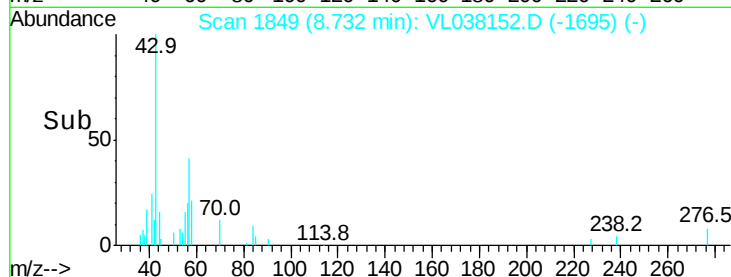
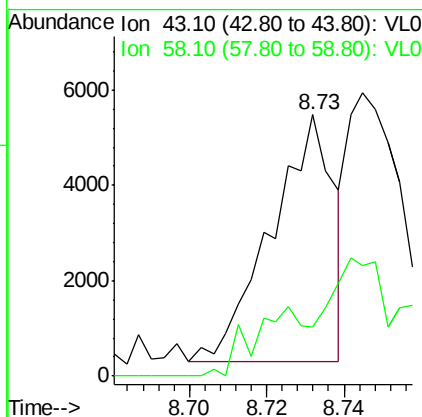
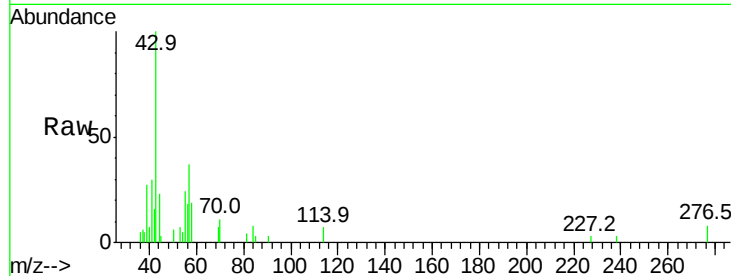
56 84.6 25.6 38.4#





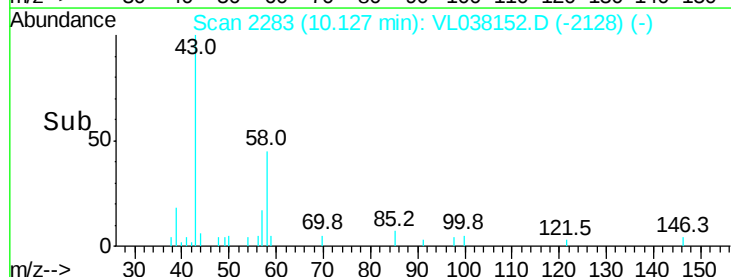
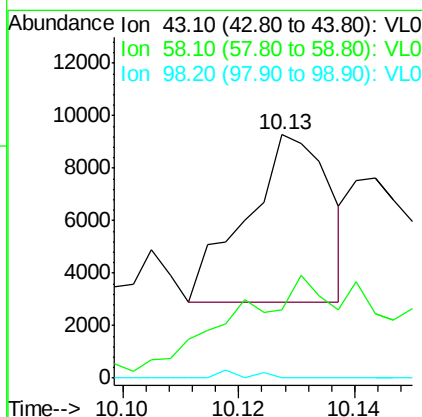
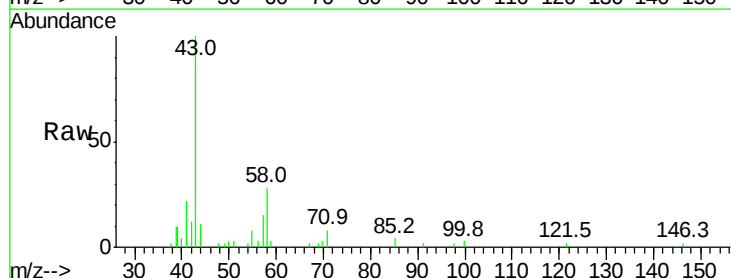
#50
4-Methyl-2-Pentanone
Concen: 0.042 ppbv
RT: 8.73
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 7 Dec 2021 16:07

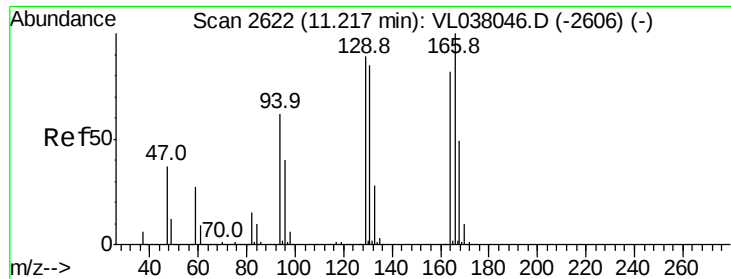
Tot Ion: 43 Resp: 5806
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



#51
2-Hexanone
Concen: 0.097 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.00 min
Lab File: VL038152.D
Acq: 7 Dec 2021 16:07

Tgt Ion: 43 Resp: 6366
Ion Ratio Lower Upper
43 100
58 181.2 41.1 61.7#
98 1.6 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.043 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

Tot Ion:164 Resp: 3607

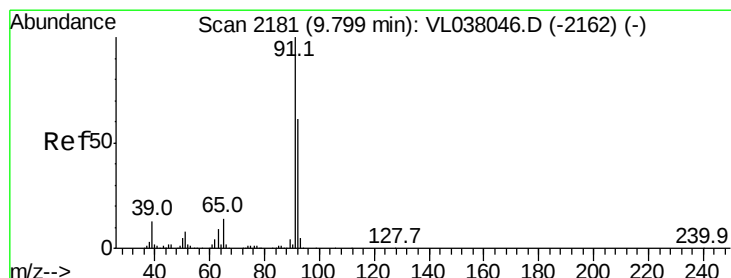
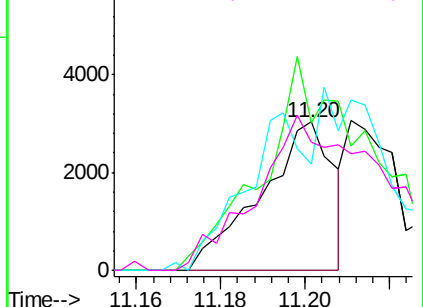
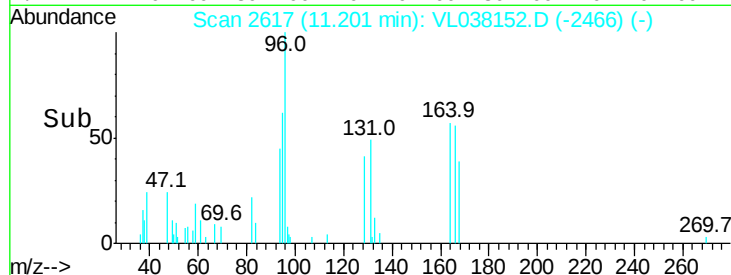
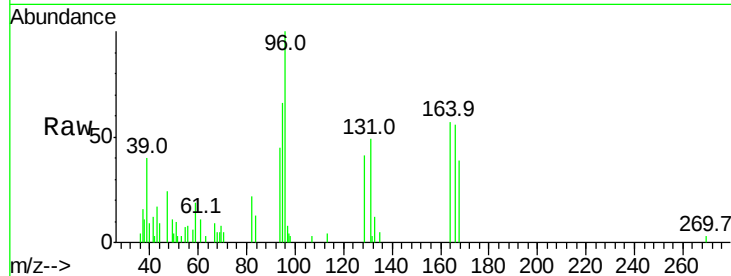
Ion Ratio Lower Upper

164 100

166 90.3 97.2 145.8#

129 72.0 86.9 130.3#

131 81.1 82.8 124.2#



#53

Toluene

Concen: 1.333 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL038152.D

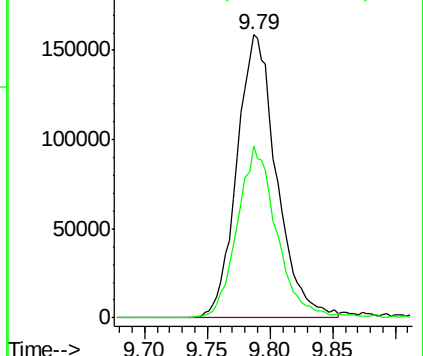
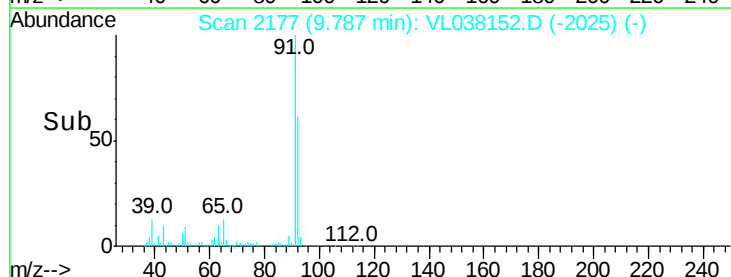
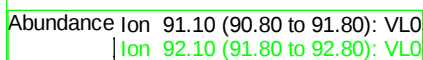
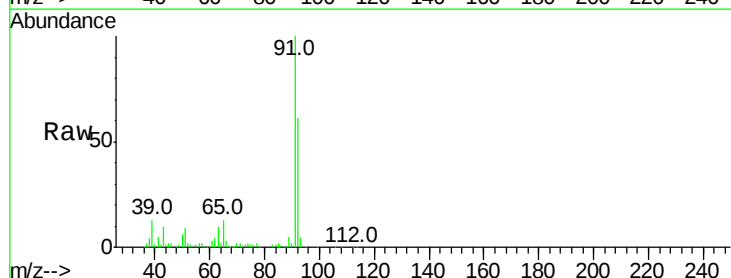
Acq: 7 Dec 2021 16:07

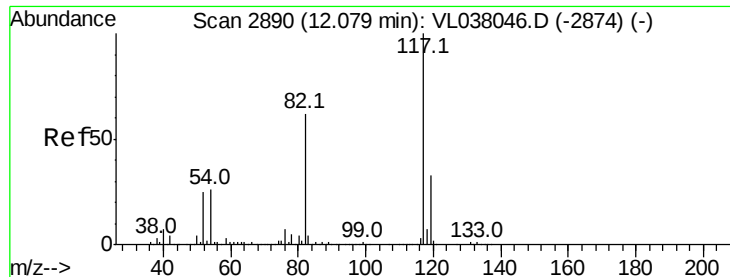
Tgt Ion: 91 Resp: 349256

Ion Ratio Lower Upper

91 100

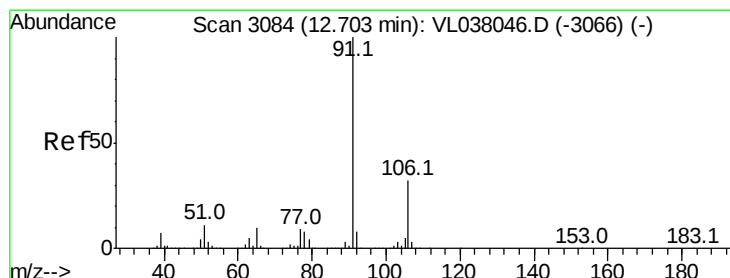
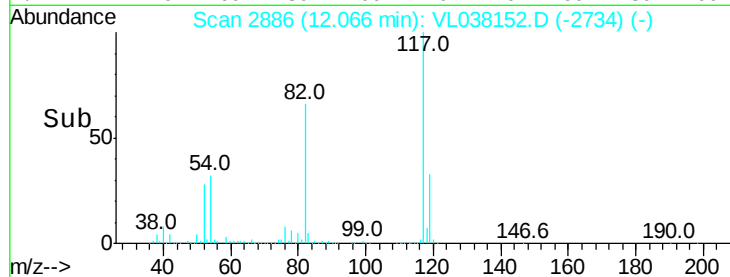
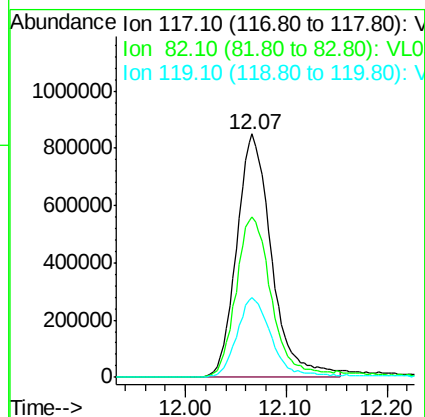
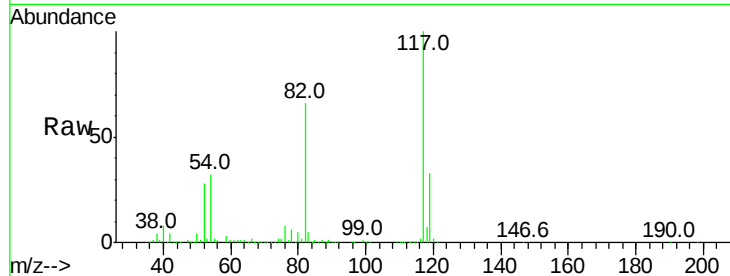
92 61.1 49.7 74.5





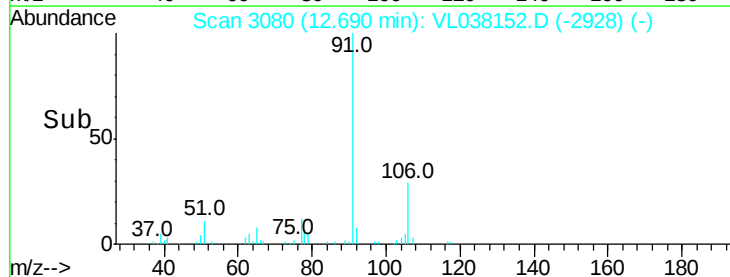
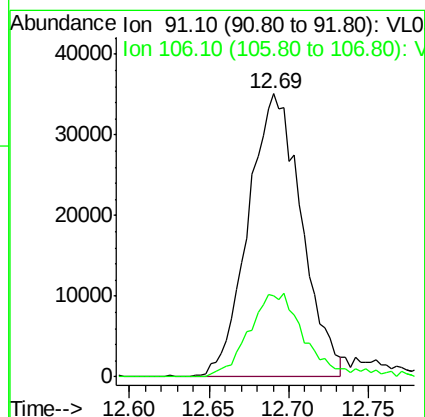
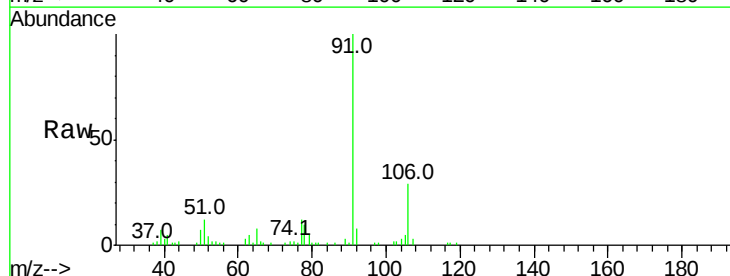
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:07

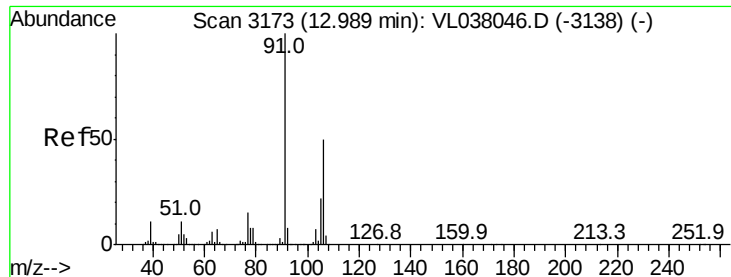
Tot Ion:117 Resp: 2047175
Ion Ratio Lower Upper
117 100
82 71.8 52.8 79.2
119 33.7 26.8 40.2



#58
Ethyl Benzene
Concen: 0.238 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038152.D
Acq: 7 Dec 2021 16:07

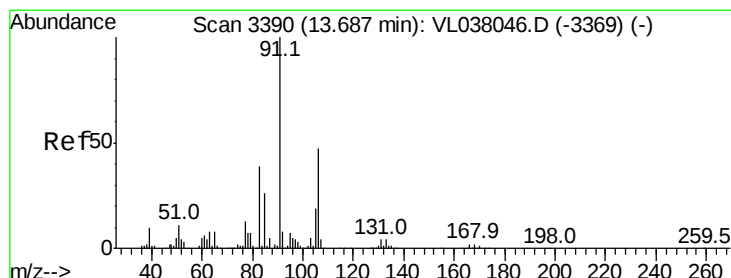
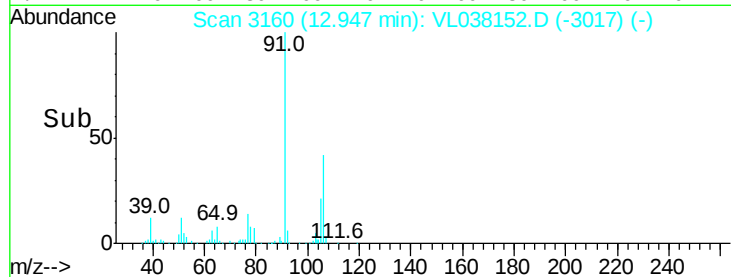
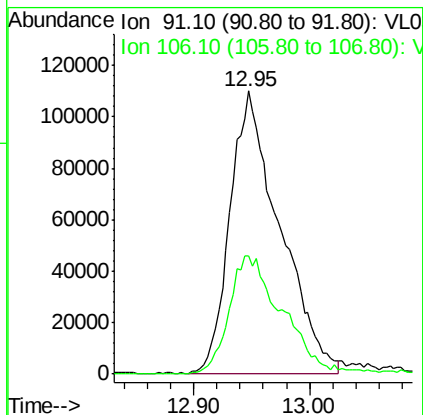
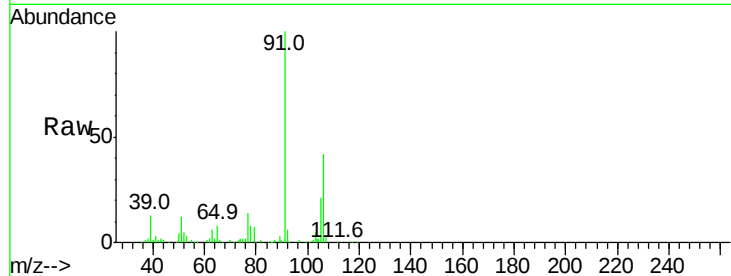
Tgt Ion: 91 Resp: 80371
Ion Ratio Lower Upper
91 100
106 28.7 25.8 38.6





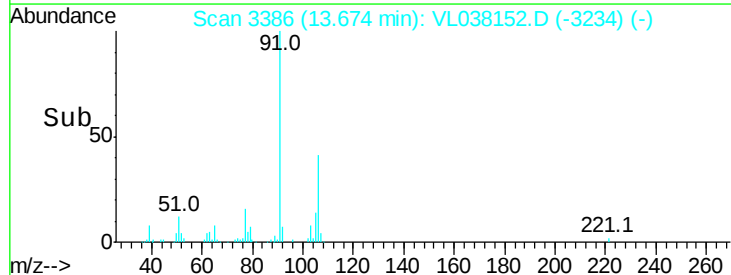
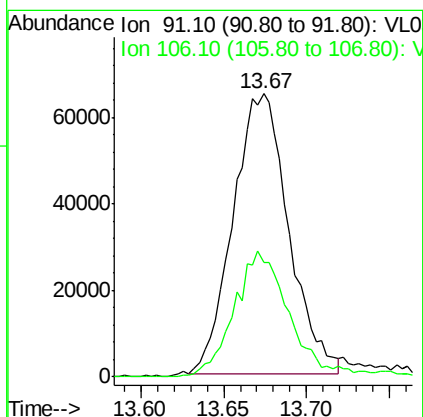
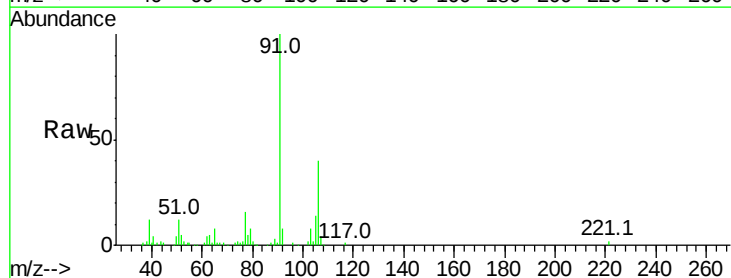
#59
m/p-Xylene
Concen: 1.153 ppbv
RT: 12.95
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 16:07

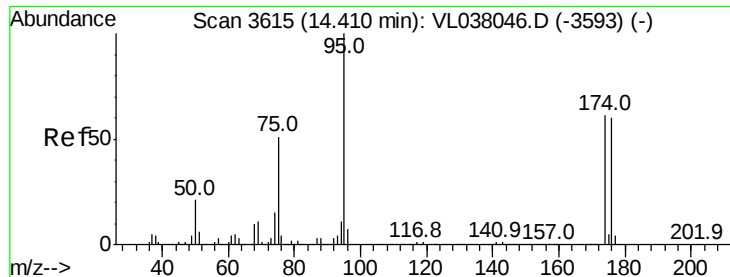
Tot Ion: 91 Resp: 328518
Ion Ratio Lower Upper
91 100
106 45.4 38.1 57.1



#60
o-Xylene
Concen: 0.573 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038152.D
Acq: 7 Dec 2021 16:07

Tgt Ion: 91 Resp: 151481
Ion Ratio Lower Upper
91 100
106 45.3 24.2 72.6





#68

1-Bromo-4-Fluorobenzene

Concen: 11.093 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 16:07

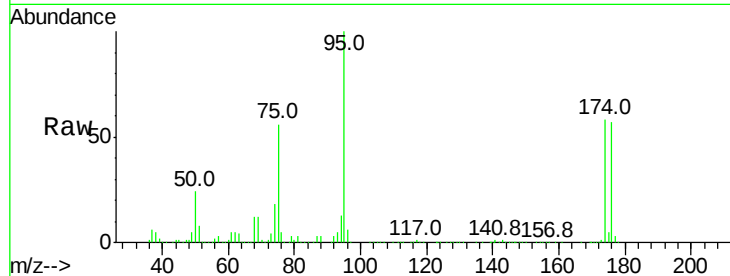
Tot Ion: 95 Resp: 1638088

Ion Ratio Lower Upper

95 100

174 61.0 53.1 79.7

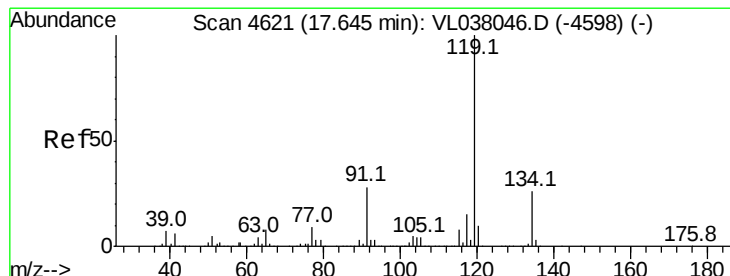
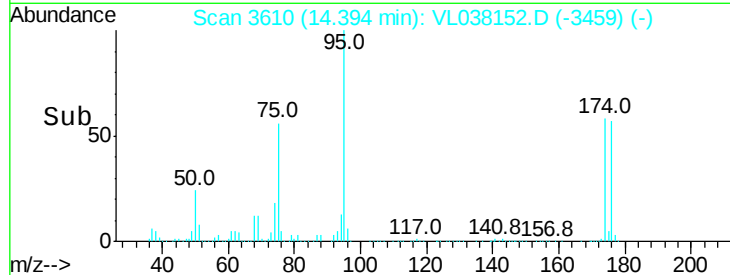
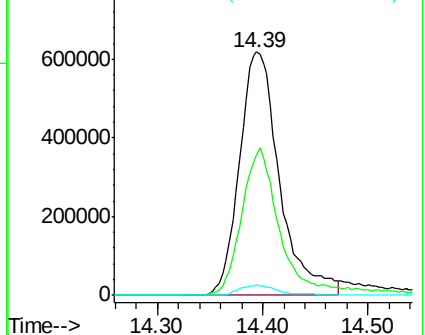
175 4.2 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL038046.D (-3593) (-)

Ion 174.00 (173.70 to 174.70): VL038046.D (-3593) (-)

Ion 175.00 (174.70 to 175.70): VL038046.D (-3593) (-)



#69

p-Isopropyltoluene

Concen: 0.111 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.02 min

Lab File: VL038152.D

Acq: 7 Dec 2021 16:07

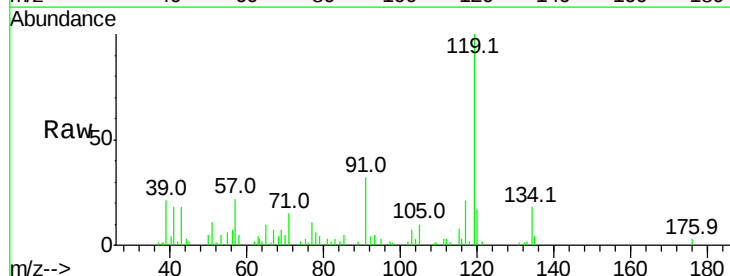
Tgt Ion: 119 Resp: 39981

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

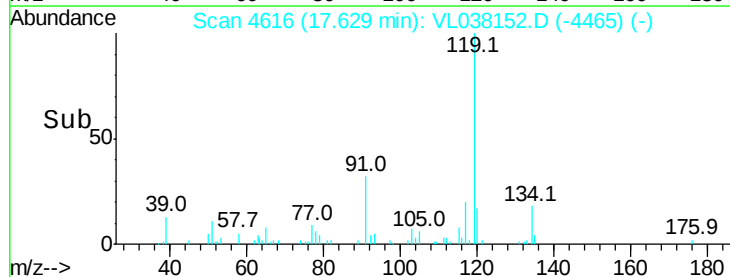
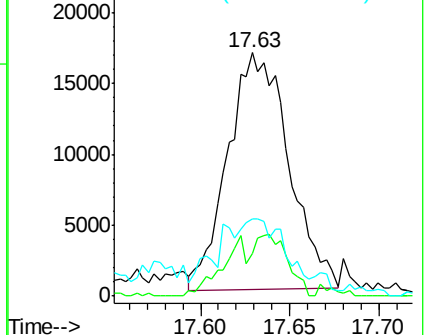
91 54.8 22.2 33.4#

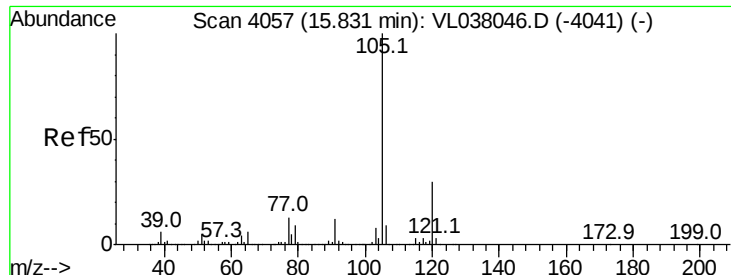


Abundance Ion 119.10 (118.80 to 119.80): VL038046.D (-4598) (-)

Ion 134.20 (133.90 to 134.90): VL038046.D (-4598) (-)

Ion 91.10 (90.80 to 91.80): VL038046.D (-4598) (-)





#72

4-Ethyltoluene

Concen: 0.047 ppbv

RT: 15.82

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 7 Dec 2021 16:07

Tot Ion:105 Resp: 14368

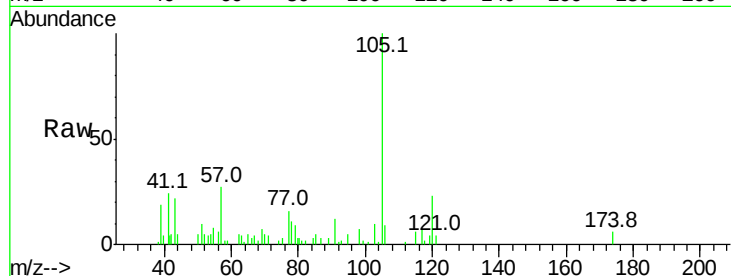
Ion Ratio Lower Upper

105 100

120 0.0 25.1 37.7#

91 0.0 9.7 14.5#

77 0.0 10.6 16.0#

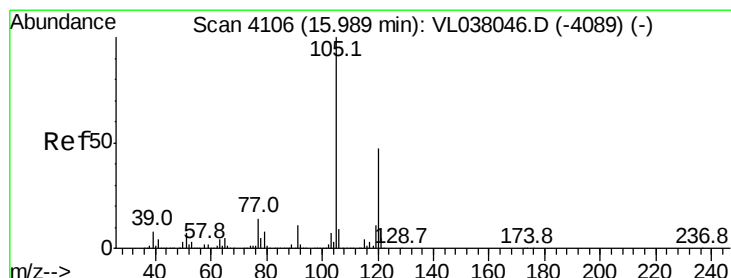
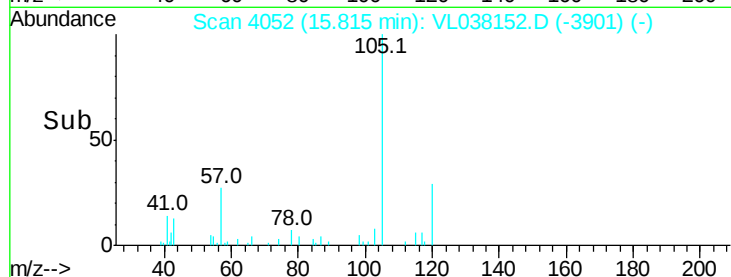
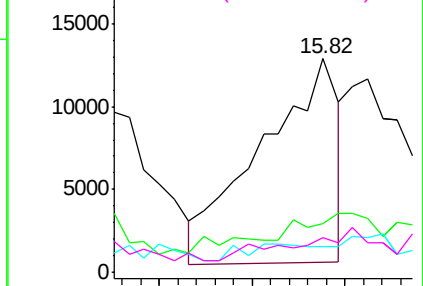


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.057 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. -0.01 min

Lab File: VL038152.D

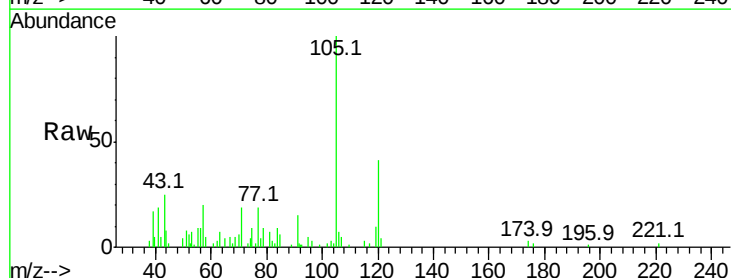
Acq: 7 Dec 2021 16:07

Tgt Ion:105 Resp: 15852

Ion Ratio Lower Upper

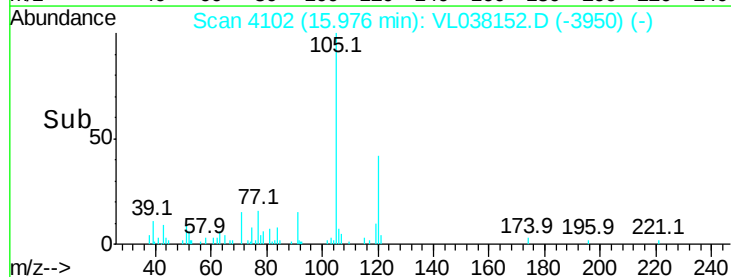
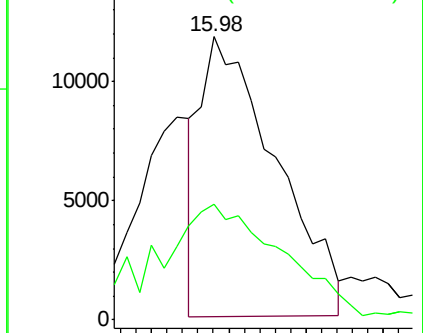
105 100

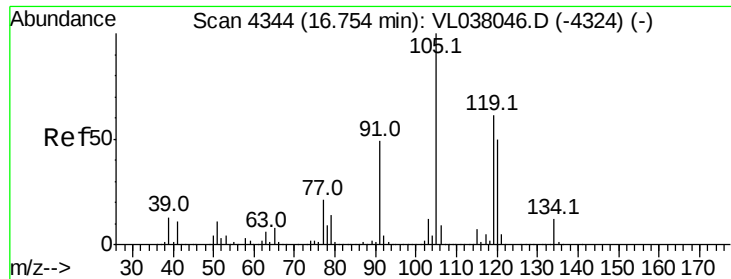
120 43.2 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

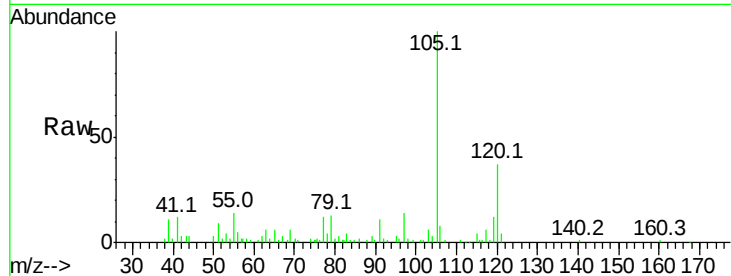
Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.151 ppbv
 RT: 16.74
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 16.07

Tot Ion	Ratio	Lower	Upper
105	100		
120	36.8	40.1	60.1#
91	9.4	39.8	59.8#
77	11.2	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

