

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038856.D
 Acq On : 8 Apr 2022 00:47
 Operator : SY/AP
 Sample : N2273-07
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-1-SG-4

Quant Time: Apr 11 05:17:58 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1093564	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.22	114	3003955	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.13	117	2696238	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2134541	10.44	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	9953	0.064 ppbv	94
3) Chlorodifluoromethane	3.01	51	88709	0.665 ppbv #	81
4) Chloromethane	3.17	50	36179	0.524 ppbv	98
9) Propene	3.23	41	523364	7.412 ppbv	96
10) Heptane	8.16	43	1748310	9.830 ppbv	96
11) Trichlorofluoromethane	3.98	101	33293	0.267 ppbv	98
13) Ethanol	3.65	45	2852285	664.692 ppbv #	100
15) Acetone	3.89	43	6491772	59.626 ppbv #	1
16) 1,3-Butadiene	3.38	39	8765314	140.828 ppbv #	11
17) tert-Butyl alcohol	4.01	59	208782	2.138 ppbv #	17
19) Isopropyl Alcohol	4.01	45	6104089	109.696 ppbv #	100
20) Methylene Chloride	4.39	84	145606	3.688 ppbv	96
21) Allyl Chloride	4.39	41	27885	0.342 ppbv #	33
23) Vinyl Acetate	5.14	43	361569	3.410 ppbv #	39
25) Ethyl Acetate	5.71	43	8292679	30.018 ppbv #	89
26) Hexane	5.72	57	406483	3.233 ppbv #	1
29) Chloroform	5.80	83	6808	0.039 ppbv	90
30) Cyclohexane	7.17	84	249297	2.249 ppbv	96
31) cis-1,2-Dichloroethene	5.71	61	1123207	9.715 ppbv #	23
34) 2-Butanone	5.29	43	5478995	46.158 ppbv	98
36) Benzene	6.94	78	308059	1.127 ppbv	97
39) 1,2-Dichloropropane	7.28	63	20574	0.197 ppbv #	1
41) Tetrahydrofuran	6.09	42	186126	1.651 ppbv #	91
42) Bromodichloromethane	7.83	83	104656	0.530 ppbv #	24
43) Methyl Methacrylate	8.06	69	11562	0.110 ppbv #	1
44) 2,2,4-Trimethylpentane	7.91	57	1135681	2.455 ppbv #	1
50) 4-Methyl-2-Pentanone	8.78	43	5010051	18.765 ppbv	97
51) 2-Hexanone	10.10	43	546257	2.715 ppbv #	33
52) Tetrachloroethene	11.27	164	108439	1.136 ppbv	92
53) Toluene	9.85	91	10292142	32.625 ppbv	97
57) Chlorobenzene	12.18	112	19448	0.088 ppbv #	28
58) Ethyl Benzene	12.75	91	4683947	11.626 ppbv	96
59) m/p-Xylene	13.01	91	12668207	37.426 ppbv	94
60) o-Xylene	13.73	91	4325269	13.656 ppbv	98
61) Styrene	13.57	104	8092228	41.936 ppbv	96
62) Isopropylbenzene	14.71	105	215846	0.454 ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	11649	0.058 ppbv #	17
64) n-propylbenzene	15.60	120	87144	0.706 ppbv #	1
65) tert-Butylbenzene	16.80	119	363153	0.861 ppbv #	62
66) Benzyl Chloride	17.24	91	22682	0.264 ppbv #	76
67) sec-Butylbenzene	17.33	105	51918	0.088 ppbv #	67

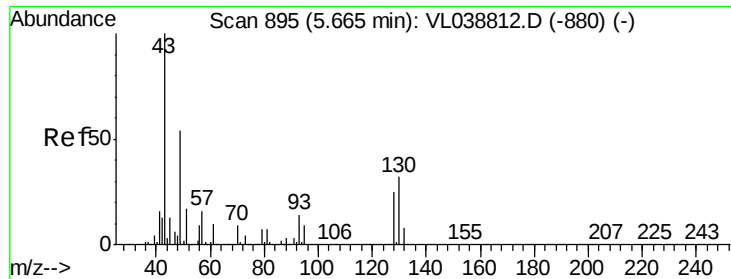
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038856.D
Acq On : 8 Apr 2022 00:47
Operator : SY/AP
Sample : N2273-07
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-4

Quant Time: Apr 11 05:17:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.60	91	1100468	3.078	ppbv #	43
72) 4-Ethyltoluene	15.88	105	1472506	3.893	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	1145049	3.370	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	3411785	9.499	ppbv #	70

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:47

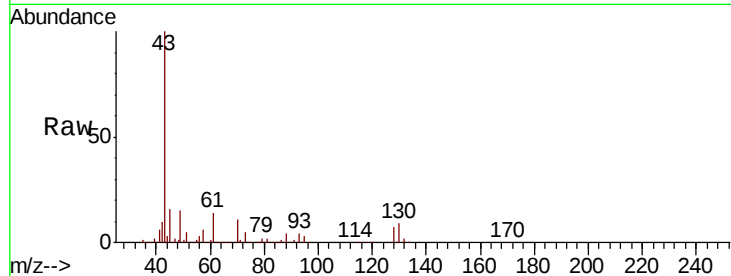
Tot Ion: 49 Resp: 1093564

Ion Ratio Lower Upper

49 100

128 46.6 24.1 72.3

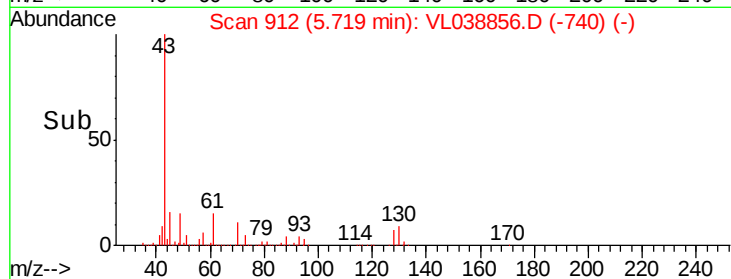
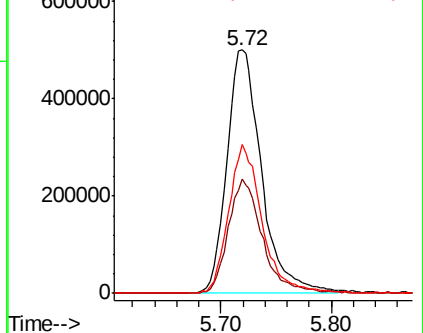
130 59.0 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.08 min Scan# 90

Delta R.T. 0.03 min

Lab File: VL038856.D

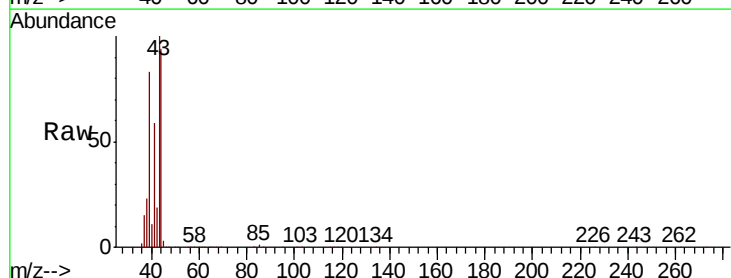
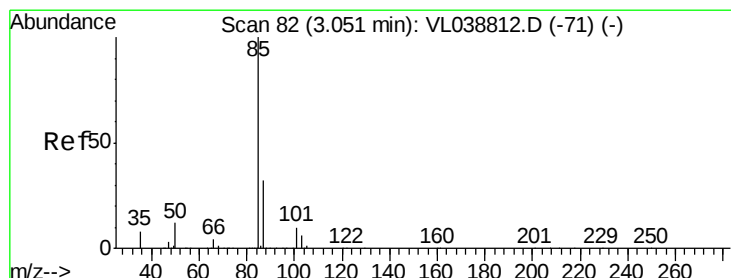
Acq: 8 Apr 2022 00:47

Tgt Ion: 85 Resp: 9953

Ion Ratio Lower Upper

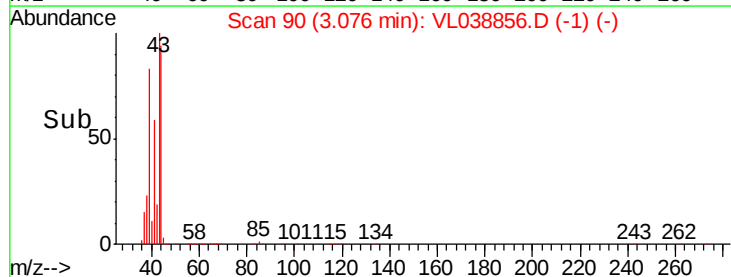
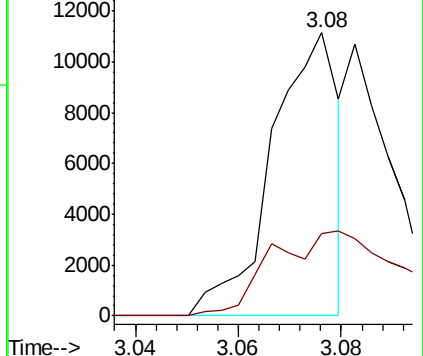
85 100

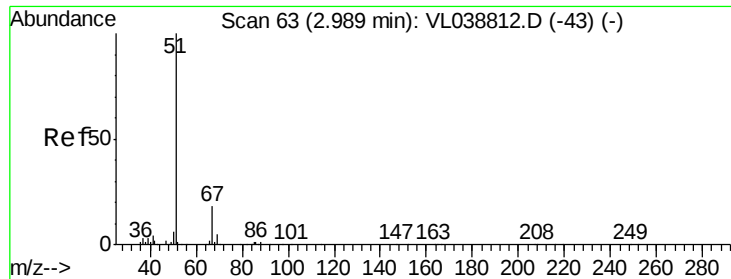
87 29.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.665 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

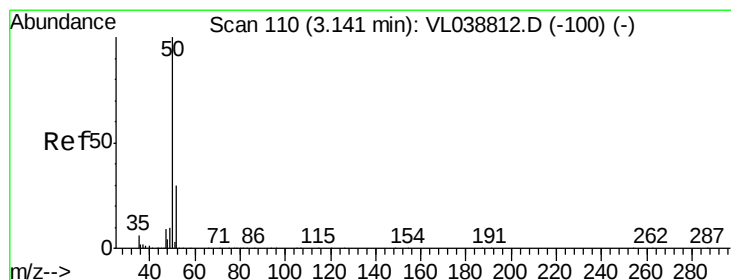
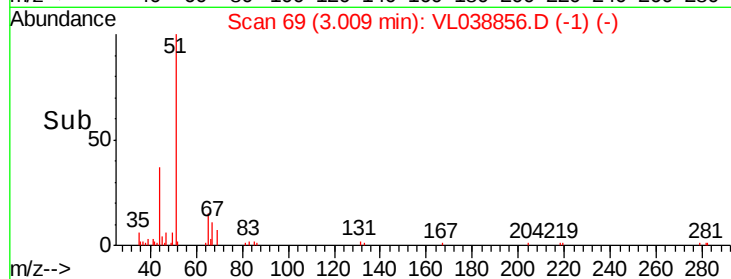
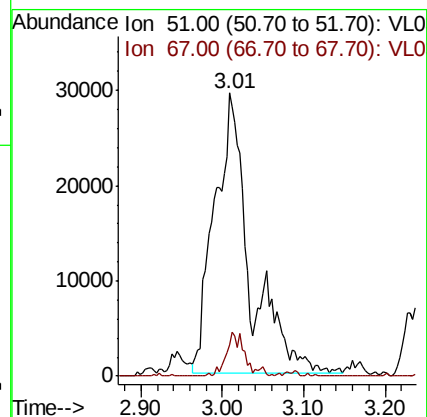
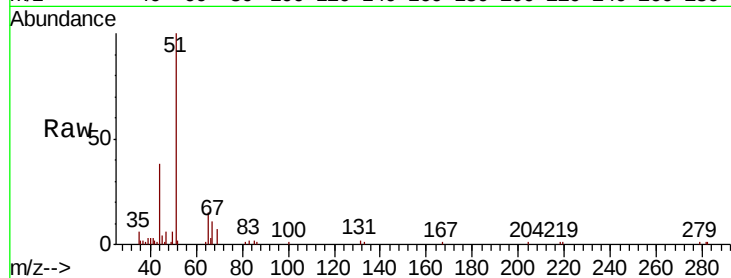
Acq: 8 Apr 2022 00:47

Tot Ion: 51 Resp: 88709

Ion Ratio Lower Upper

51 100

67 8.5 13.4 20.0#



#4

Chloromethane

Concen: 0.524 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.03 min

Lab File: VL038856.D

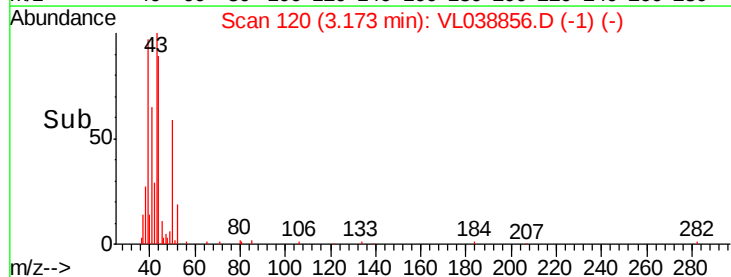
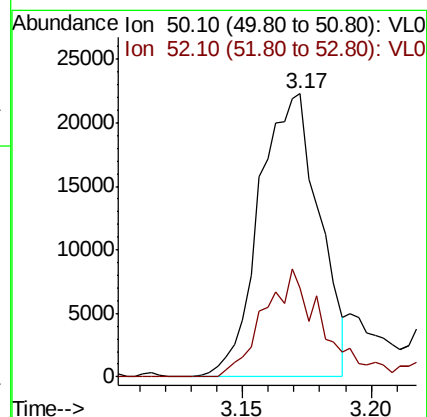
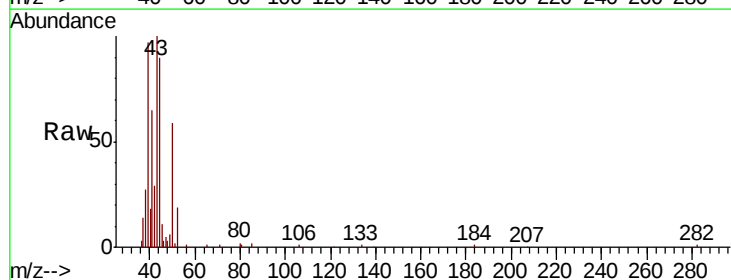
Acq: 8 Apr 2022 00:47

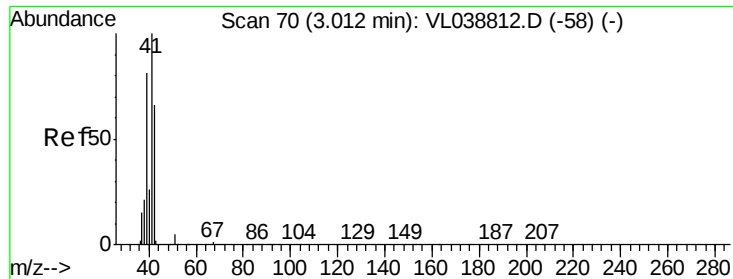
Tgt Ion: 50 Resp: 36179

Ion Ratio Lower Upper

50 100

52 31.6 24.3 36.5





#9

Propene

Concen: 7.412 ppbv

RT: 3.23 Instrument: MSVOA_1

Delta R.T. 0.04 min

Lab File: ClientSampleId: 1160-1-SG-4

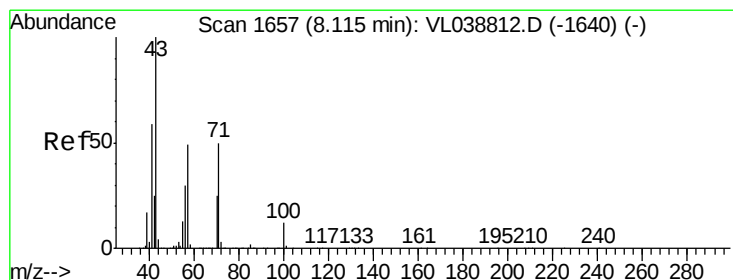
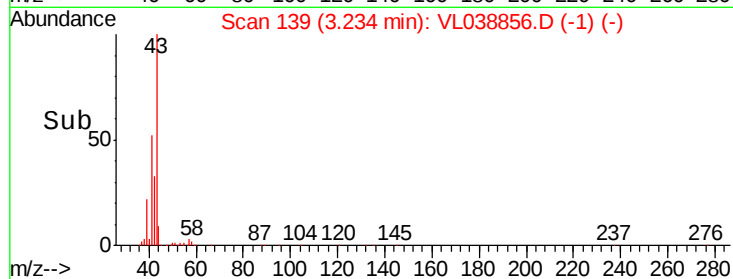
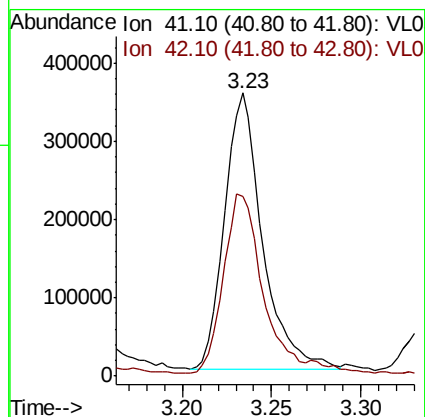
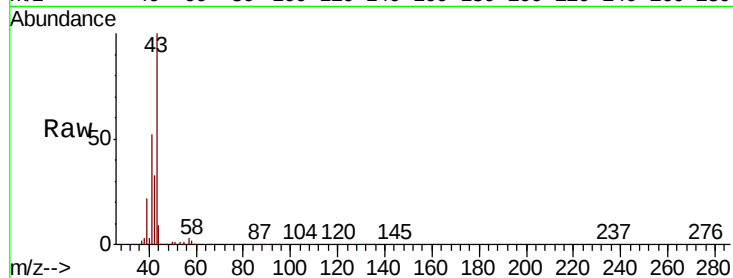
Acq: 8 Apr 2022 00:47

Tot Ion: 41 Resp: 523364

Ion Ratio Lower Upper

41 100

42 71.2 54.2 81.4



#10

Heptane

Concen: 9.830 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.04 min

Lab File: VL038856.D

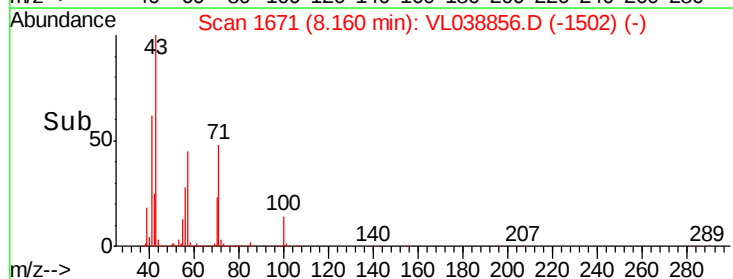
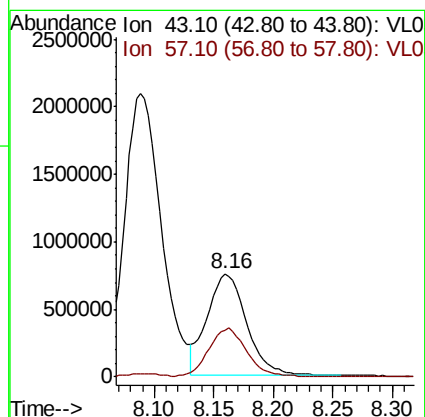
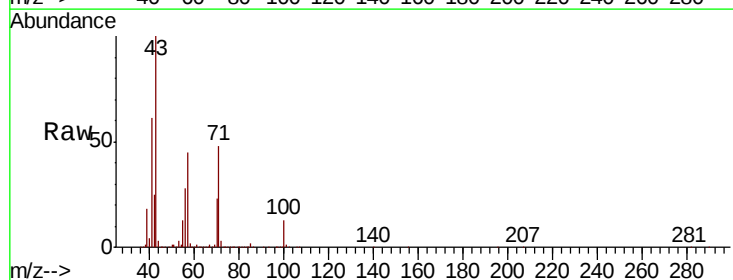
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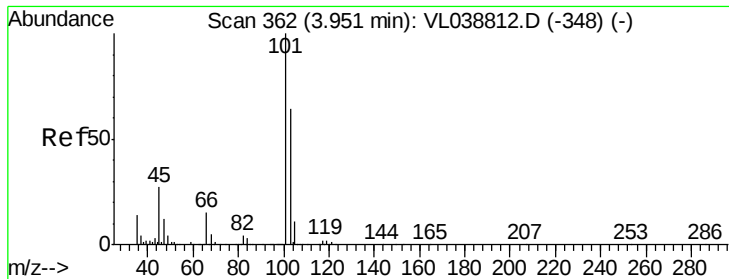
Tgt Ion: 43 Resp: 1748310

Ion Ratio Lower Upper

43 100

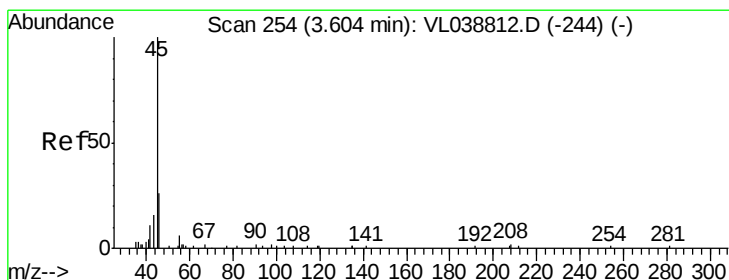
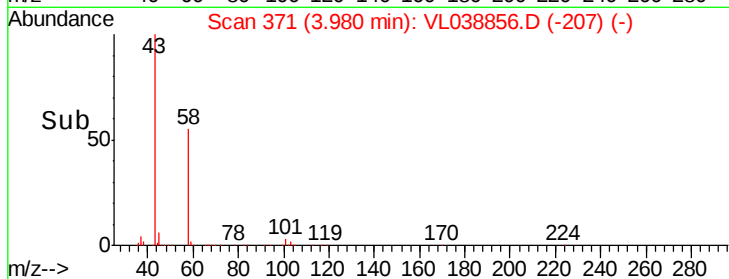
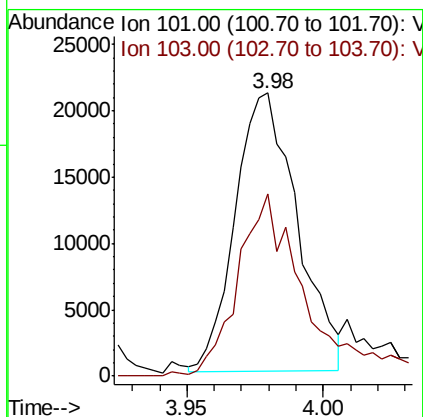
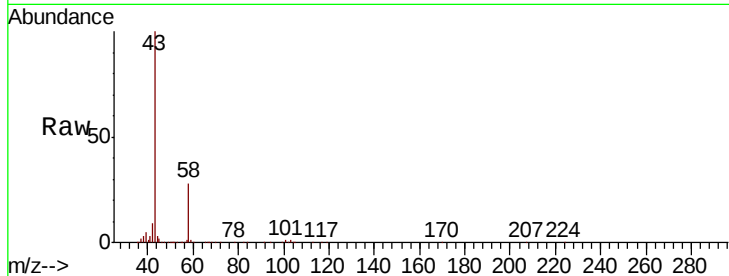
57 46.4 39.3 58.9





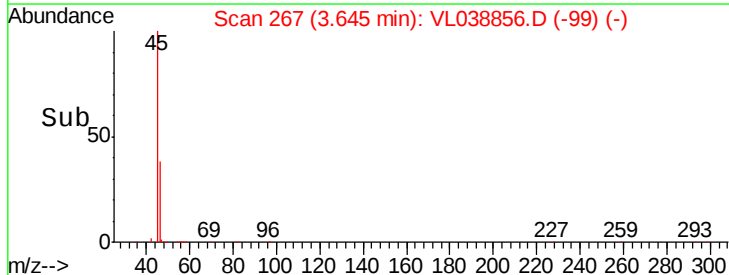
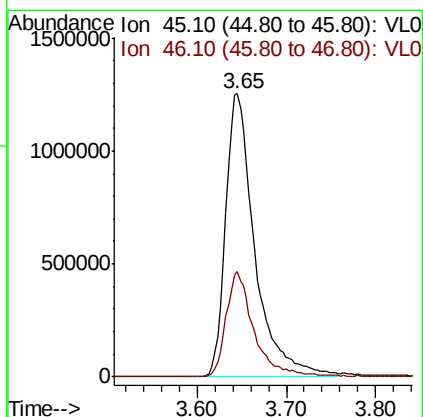
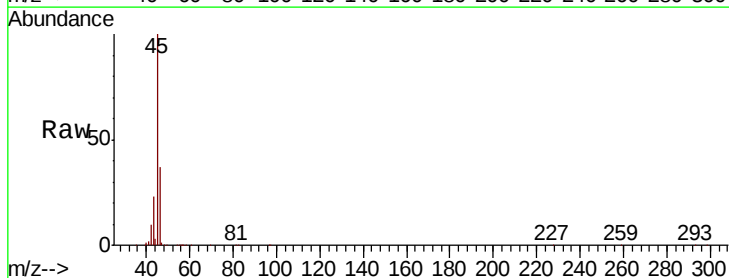
#11
 Trichlorofluoromethane
 Concen: 0.267 ppbv
 RT: 3.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 00:47

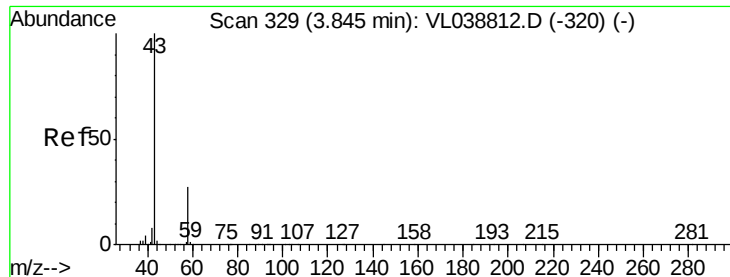
Tot Ion: 101 Resp: 33293
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.0



#13
 Ethanol
 Concen: 664.692 ppbv
 RT: 3.65 min Scan# 267
 Delta R.T. 0.04 min
 Lab File: VL038856.D
 Acq: 8 Apr 2022 00:47

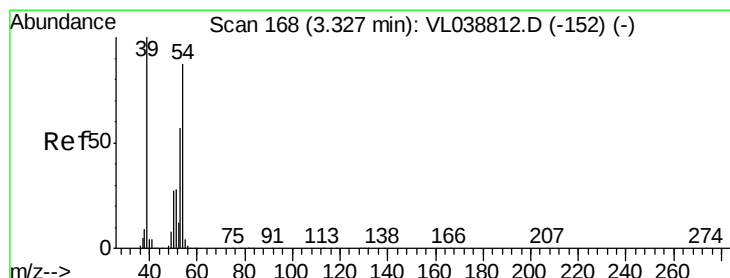
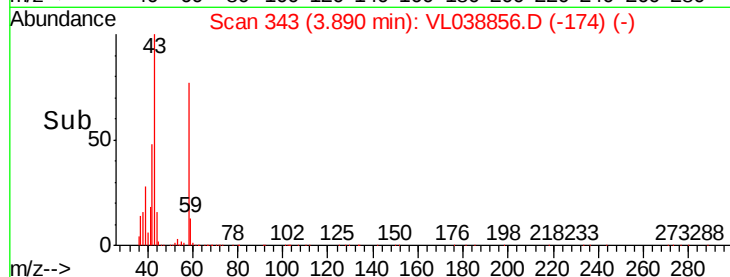
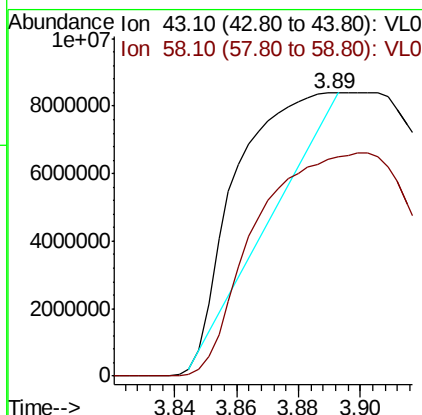
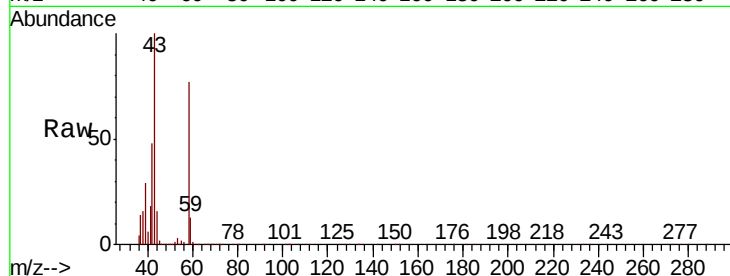
Tgt Ion: 45 Resp: 2852285
 Ion Ratio Lower Upper
 45 100
 46 35.9 0.0 0.0#





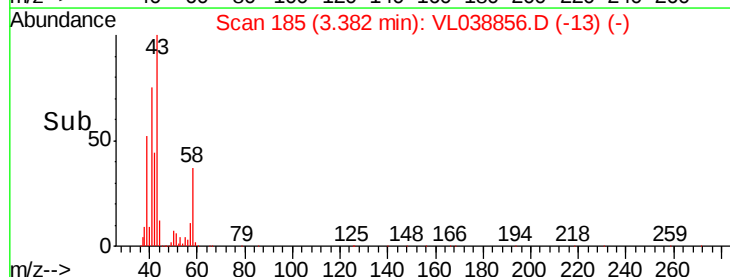
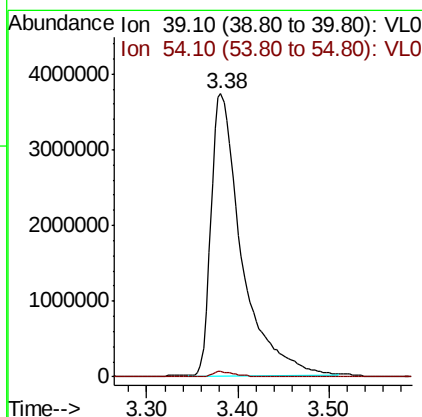
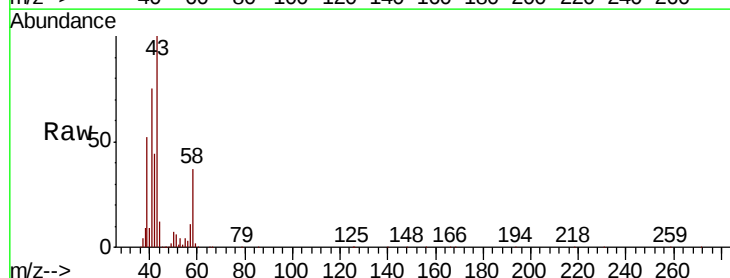
#15
Acetone
Concen: 59.626 ppbv
RT: 3.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:47

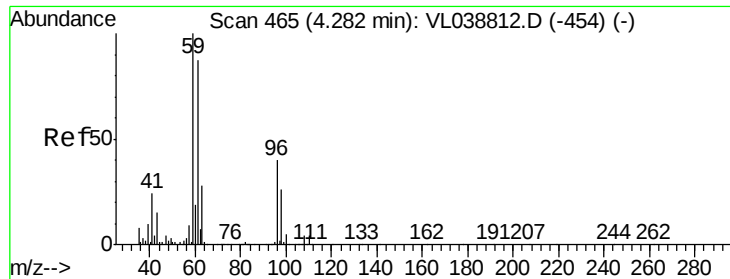
Tot Ion: 43 Resp: 6491772
Ion Ratio Lower Upper
43 100
58 450.5 22.5 33.7#



#16
1,3-Butadiene
Concen: 140.828 ppbv
RT: 3.38 min Scan# 185
Delta R.T. 0.05 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

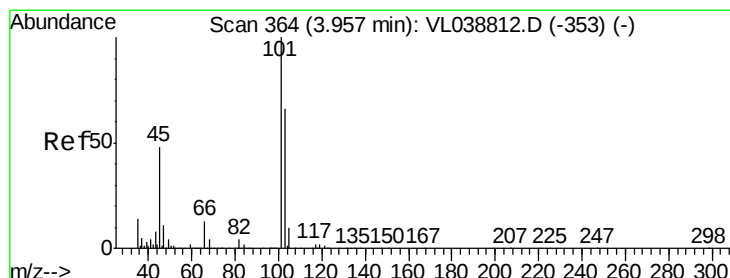
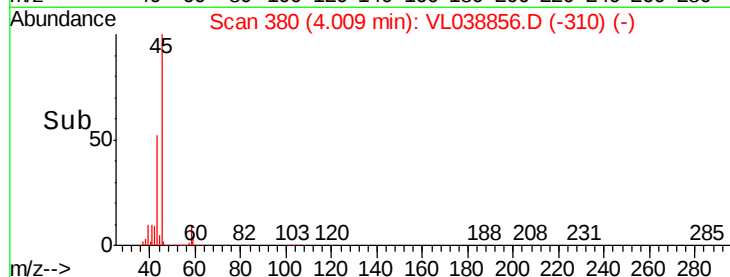
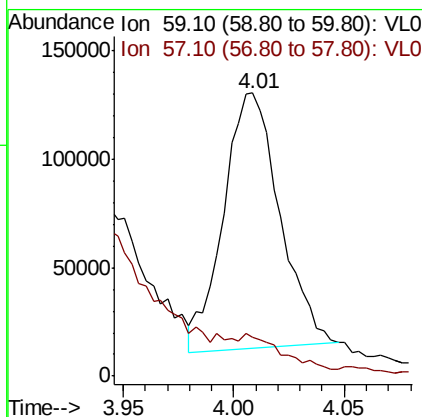
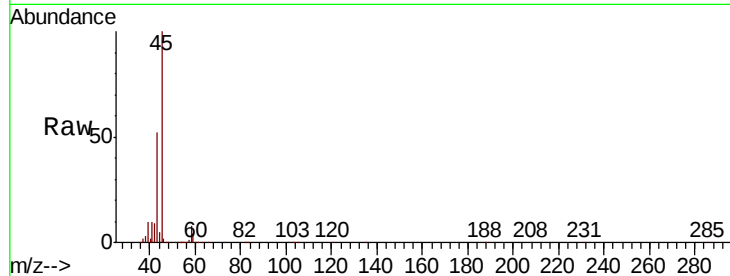
Tgt Ion: 39 Resp: 8765314
Ion Ratio Lower Upper
39 100
54 1.8 64.8 97.2#





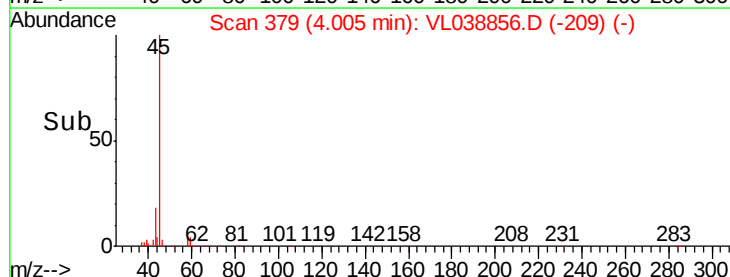
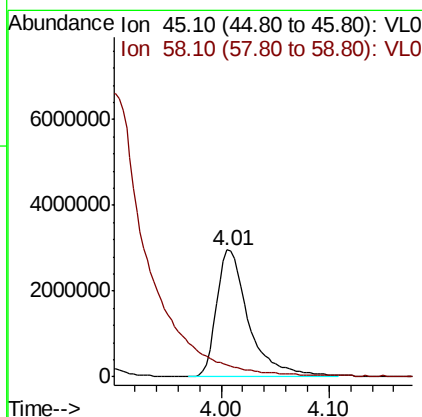
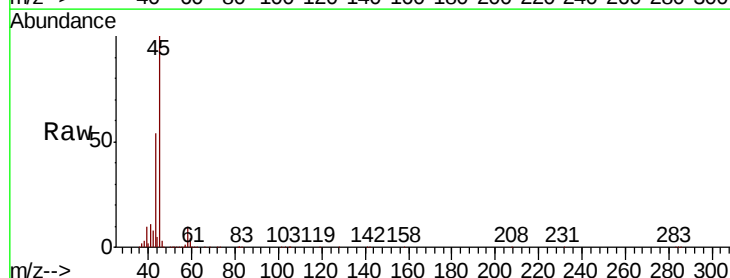
#17
 tert-Butyl alcohol
 Concen: 2.138 ppbv
 RT: 4.01 min
 Delta R.T. 0.05 min
 Lab File: VL038812.D
 Acq: 8 Apr 2022 00:47

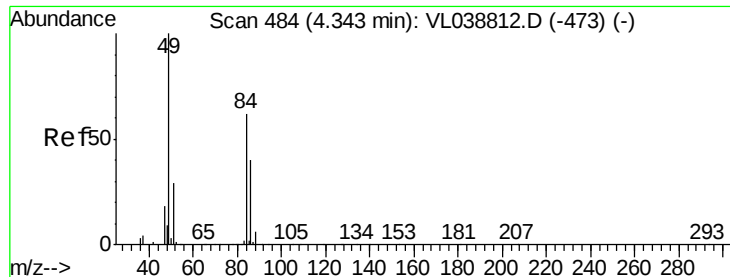
Tot Ion: 59 Resp: 208782
 Ion Ratio Lower Upper
 59 100
 57 41.9 8.5 12.7#



#19
 Isopropyl Alcohol
 Concen: 109.696 ppbv
 RT: 4.01 min Scan# 379
 Delta R.T. 0.05 min
 Lab File: VL038856.D
 Acq: 8 Apr 2022 00:47

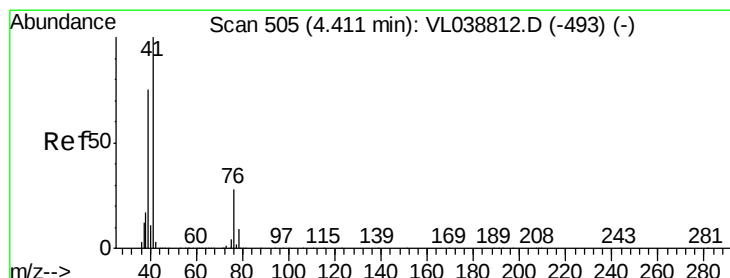
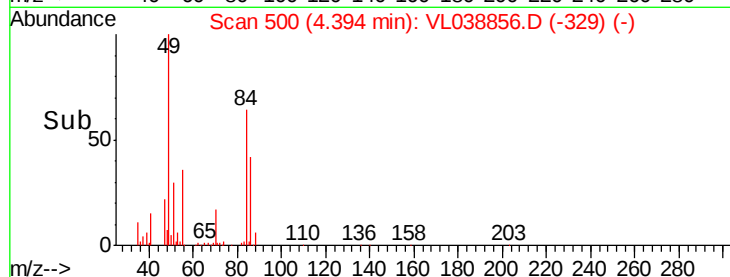
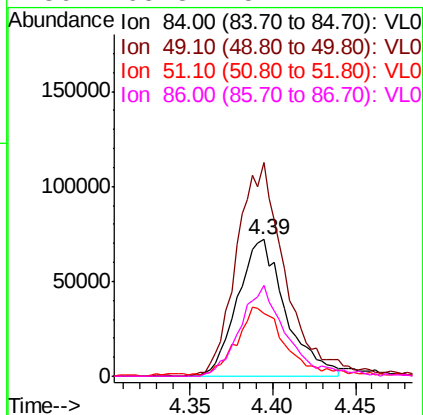
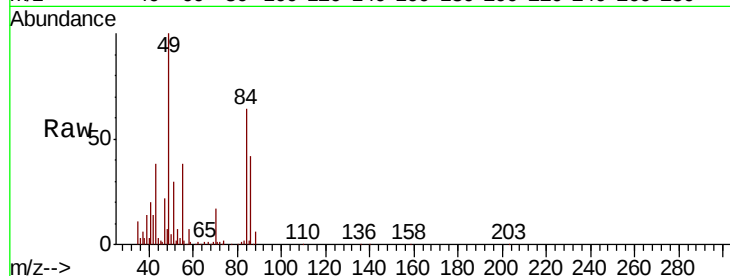
Tgt Ion: 45 Resp: 6104089
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0





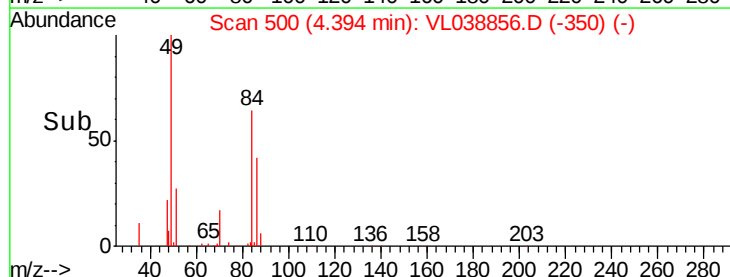
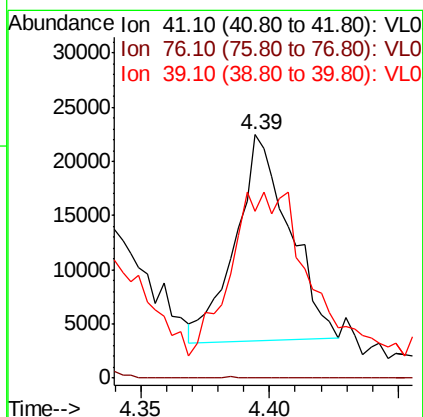
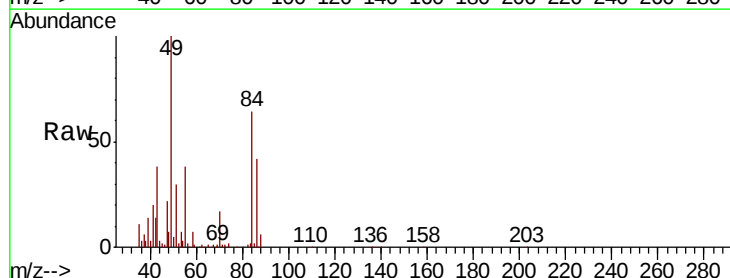
#20
Methylene Chloride
Concen: 3.688 ppbv
RT: 4.39
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 00:47

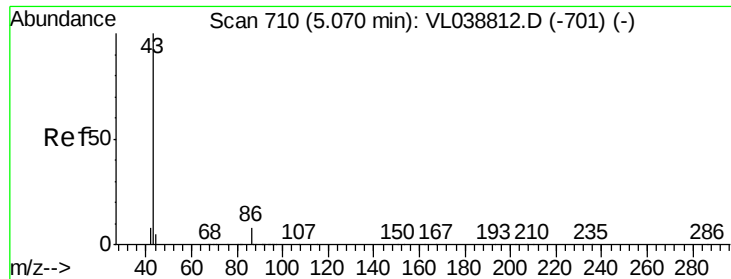
Tot Ion:	84	Resp:	145606
Ion	Ratio	Lower	Upper
84	100		
49	155.4	129.4	194.0
51	45.5	37.4	56.2
86	65.8	51.4	77.2



#21
Allyl Chloride
Concen: 0.342 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion:	41	Resp:	27885
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	140.1	62.0	93.0#





#23

Vinyl Acetate

Concen: 3.410 ppbv

RT: 5.14 Instrument: MSVOA_1

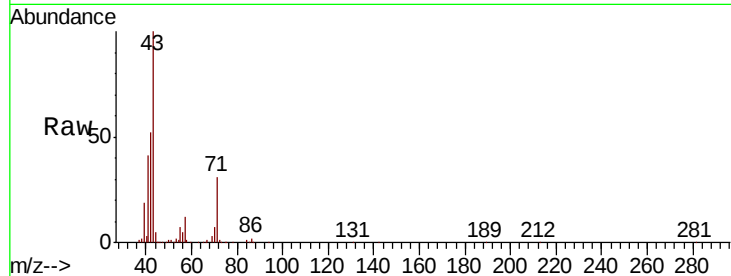
Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:47

Tot Ion: 43 Resp: 361569

Ion	Ratio	Lower	Upper
43	100		
86	2.0	5.8	8.6#
42	54.5	7.8	11.6#
44	2.9	3.6	5.4#



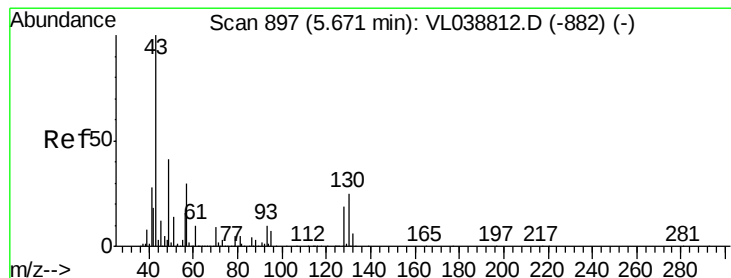
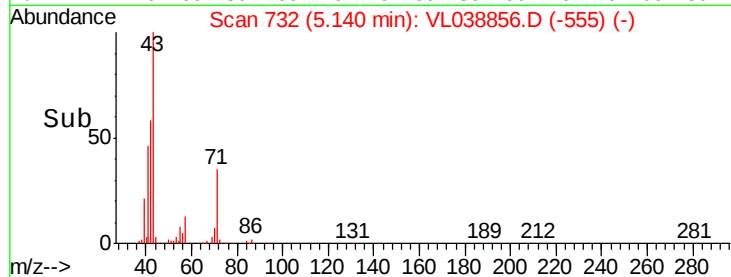
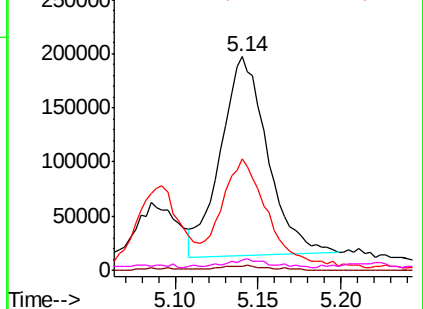
Abundance

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: 30.018 ppbv

RT: 5.71 min Scan# 910

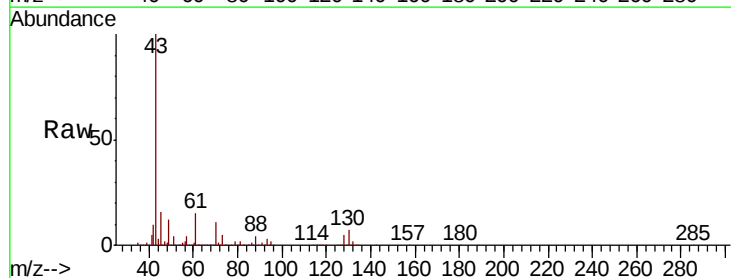
Delta R.T. 0.04 min

Lab File: VL038856.D

Acq: 8 Apr 2022 00:47

Tgt Ion: 43 Resp: 8292679

Ion	Ratio	Lower	Upper
43	100		
45	15.3	8.4	12.6#
61	13.8	7.9	11.9#
70	10.4	5.6	8.4#



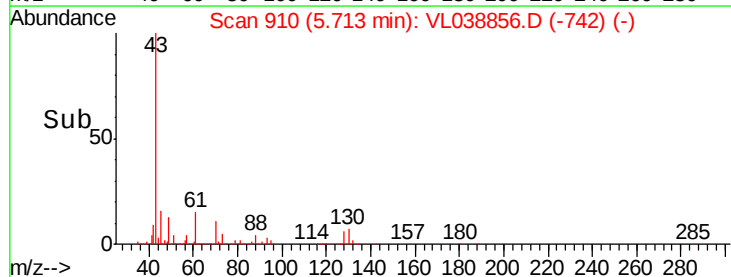
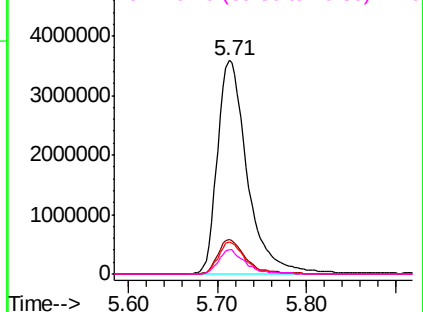
Abundance

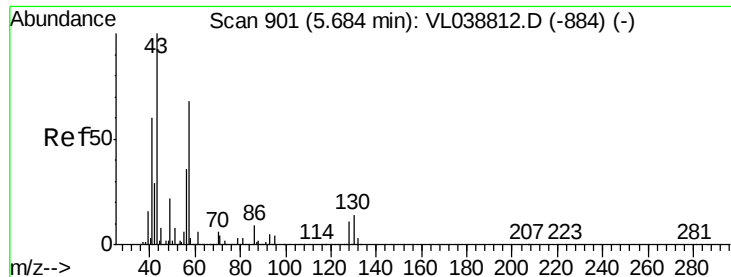
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

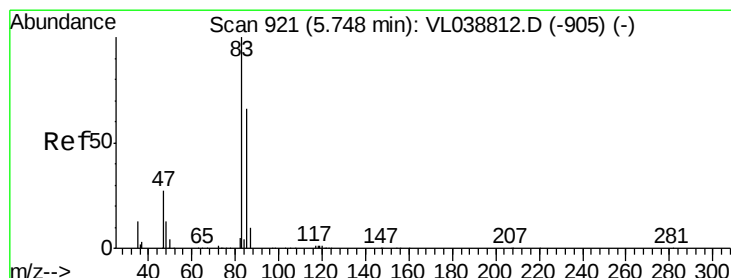
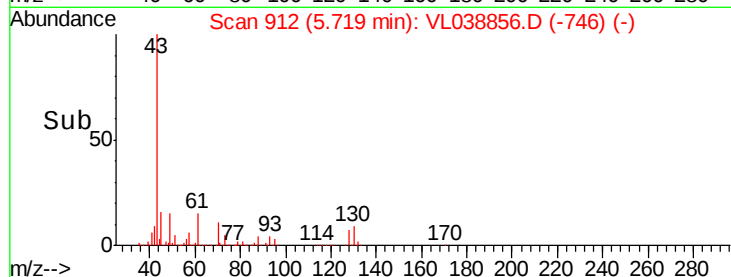
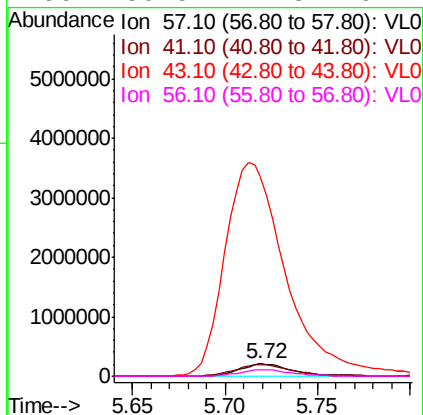
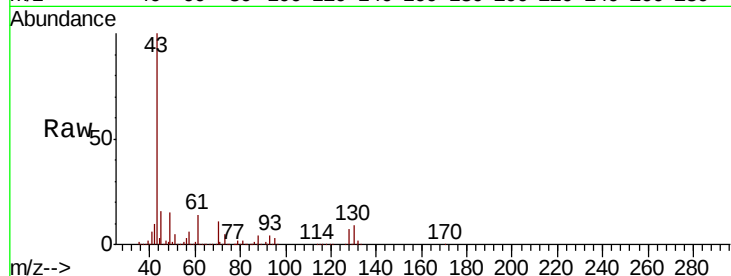
Ion 70.10 (69.80 to 70.80): VL0





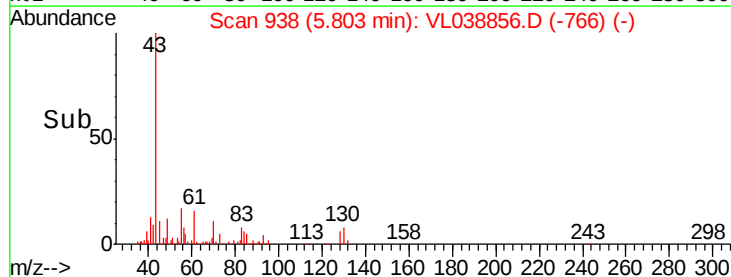
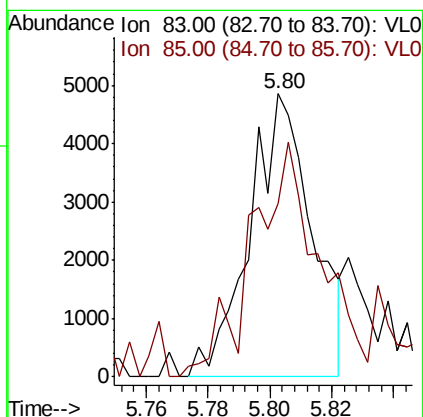
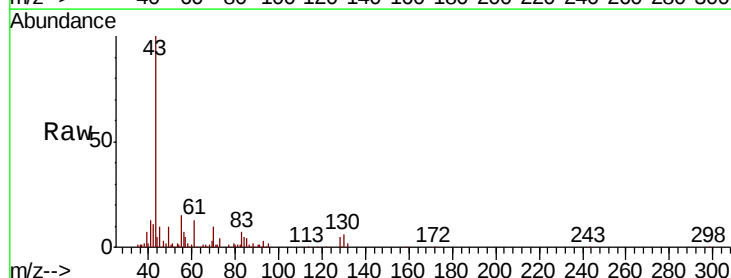
#26
Hexane
Concen: 3.233 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:47

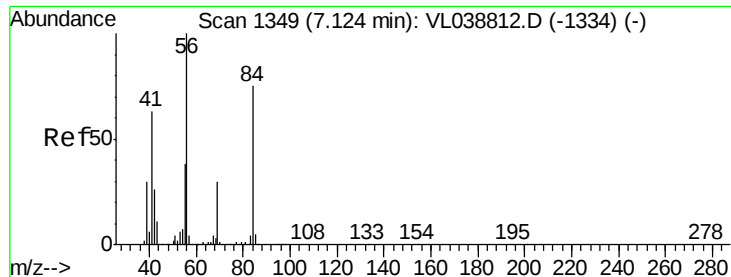
Tot Ion: 57 Resp: 406483
Ion Ratio Lower Upper
57 100
41 110.0 72.0 108.0#
43 2059.2 186.6 280.0#
56 59.5 42.8 64.2



#29
Chloroform
Concen: 0.039 ppbv
RT: 5.80 min Scan# 938
Delta R.T. 0.05 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

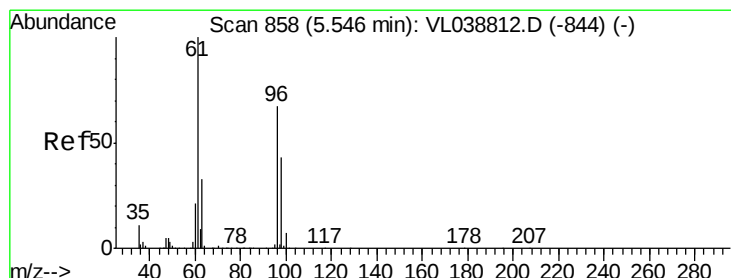
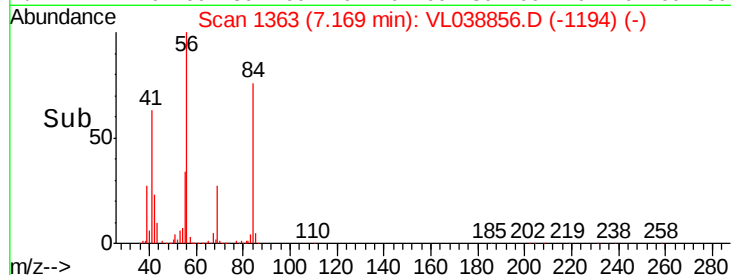
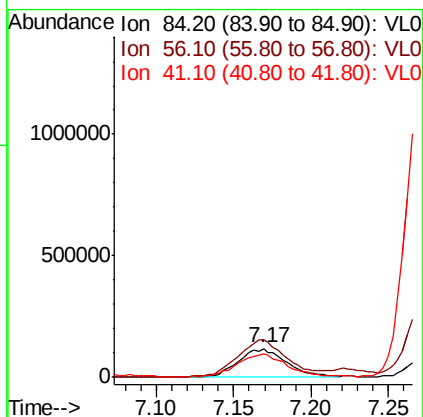
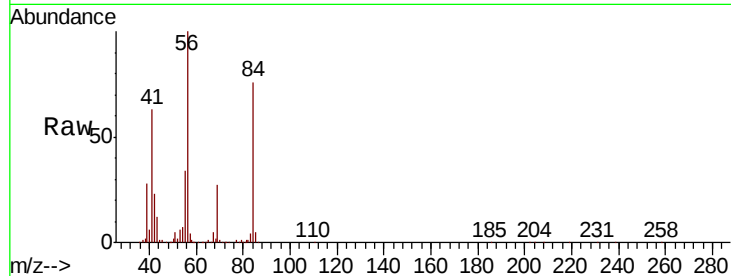
Tgt Ion: 83 Resp: 6808
Ion Ratio Lower Upper
83 100
85 57.5 52.5 78.7





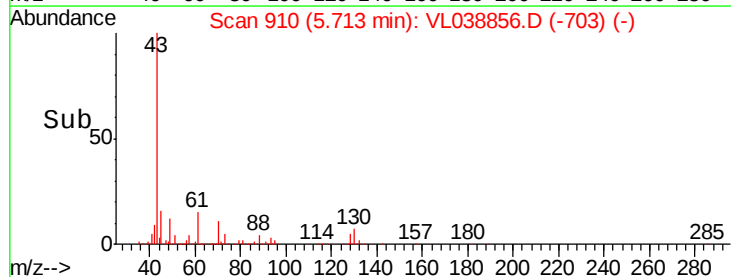
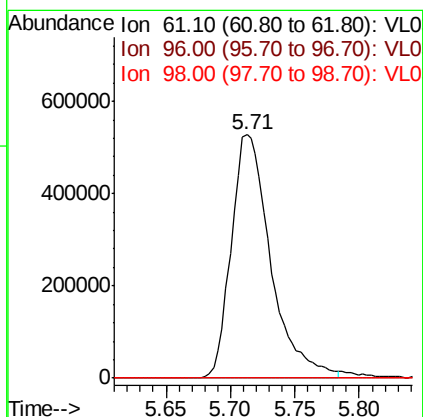
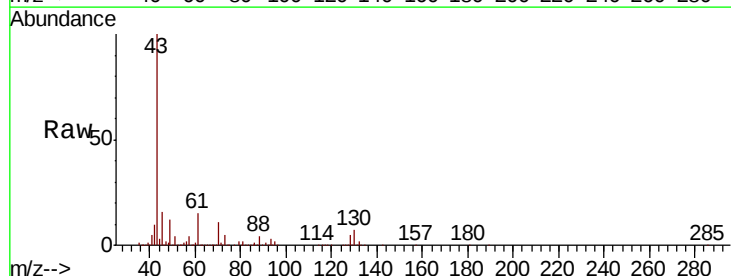
#30
Cvclohexane
Concen: 2.249 ppbv
RT: 7.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 8 Apr 2022 00:47

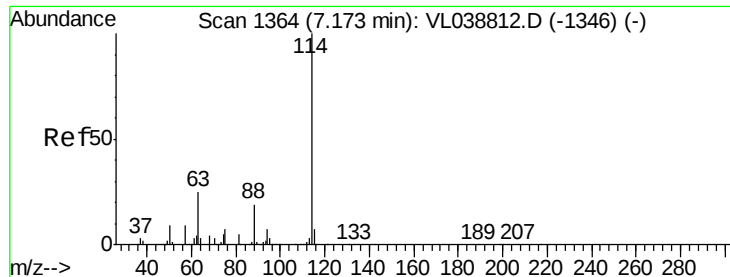
Tot Ion	Ratio	Lower	Upper
84	100		
56	136.5	114.4	171.6
41	83.4	69.0	103.4



#31
cis-1,2-Dichloroethene
Concen: 9.715 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.17 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion	Ratio	Lower	Upper
61	100		
96	0.2	53.4	80.0#
98	0.0	34.2	51.4#

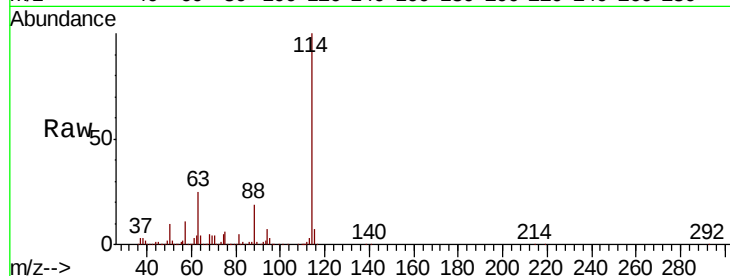




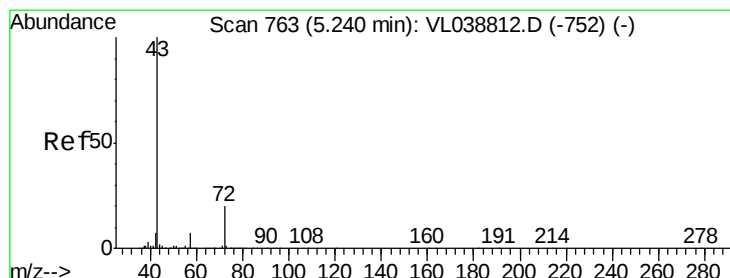
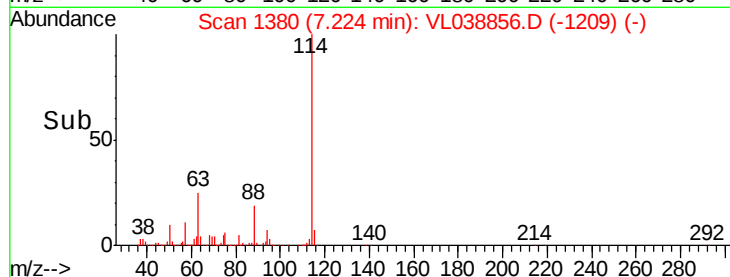
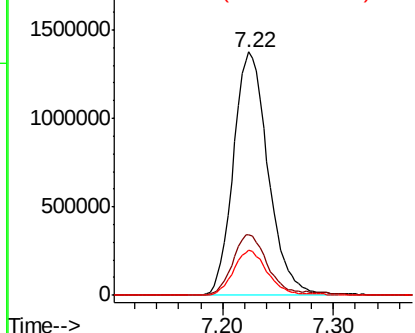
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 00:47

Tot Ion:114 Resp: 3003955

Ion	Ratio	Lower	Upper
114	100		
63	26.0	19.8	29.8
88	18.6	14.2	21.4



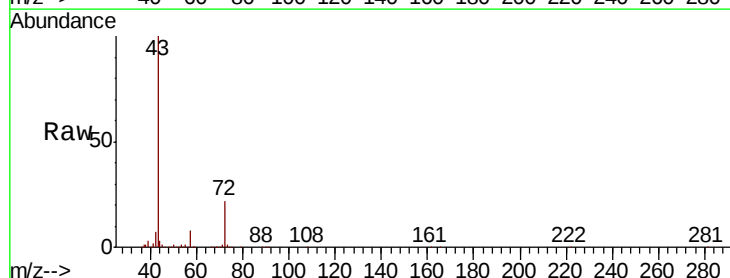
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



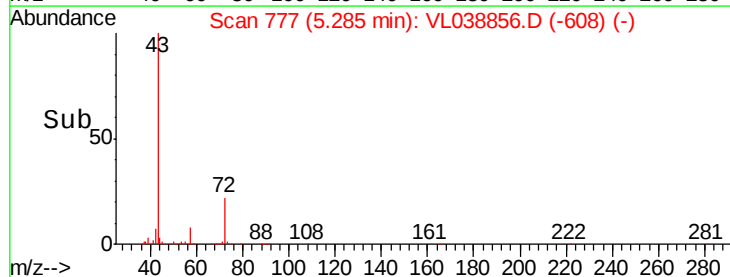
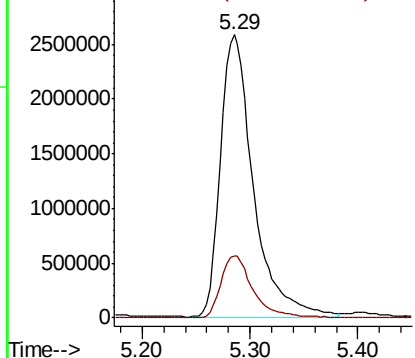
#34
 2-Butanone
 Concen: 46.158 ppbv
 RT: 5.29 min Scan# 777
 Delta R.T.: 0.04 min
 Lab File: VL038856.D
 Acq: 8 Apr 2022 00:47

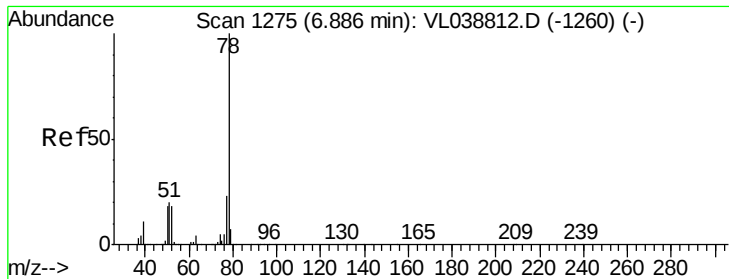
Tgt Ion: 43 Resp: 5478995

Ion	Ratio	Lower	Upper
43	100		
72	21.8	16.9	25.3



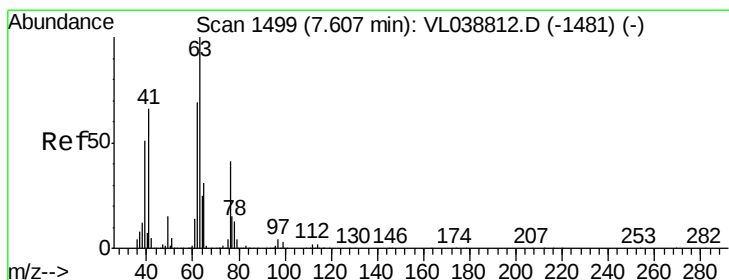
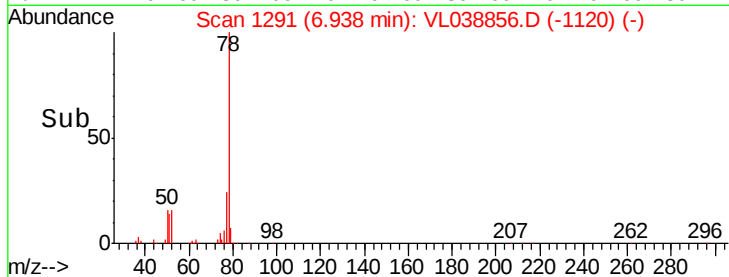
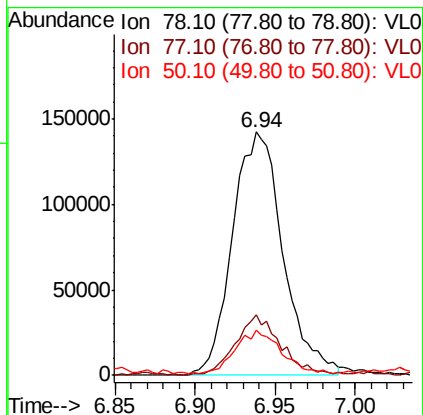
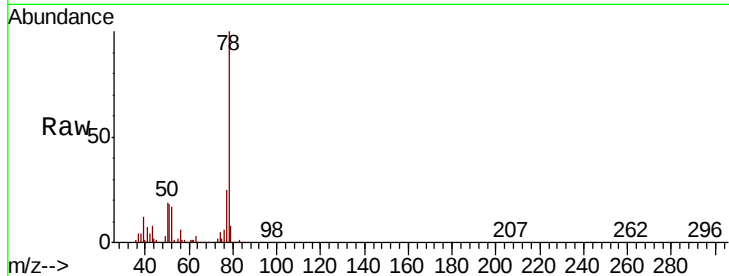
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





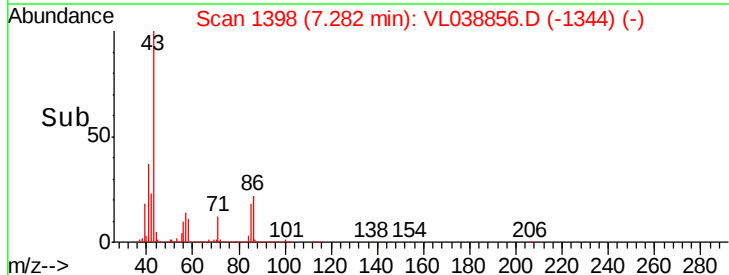
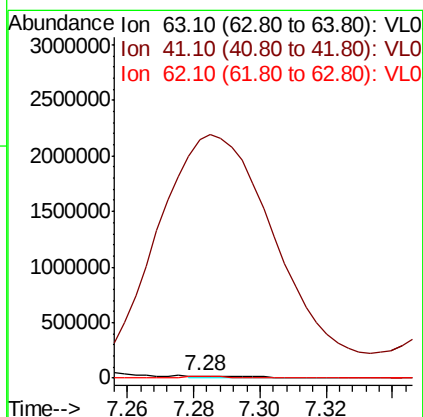
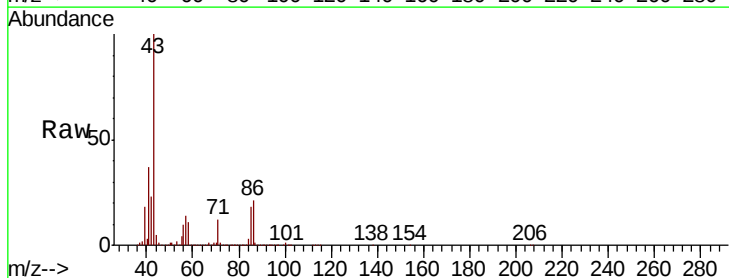
#36
Benzene
Concen: 1.127 ppbv
RT: 6.94
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:47

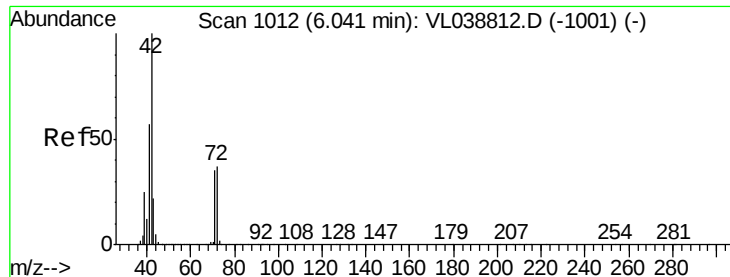
Tot Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.2	27.2
50	18.0	14.0	21.0



#39
1,2-Dichloropropane
Concen: 0.197 ppbv
RT: 7.28 min Scan# 1398
Delta R.T. -0.32 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion	Ratio	Lower	Upper
63	100		
41	11275.2	53.0	79.6#
62	63.5	55.0	82.4





#41

Tetrahydrofuran

Concen: 1.651 ppbv

RT: 6.09 Instrument: MSVOA_1

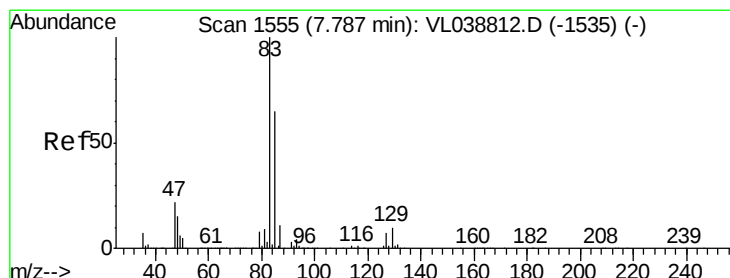
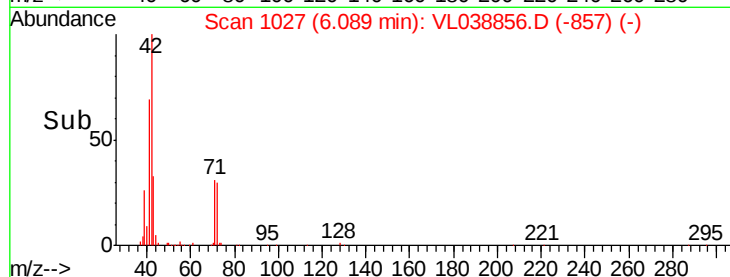
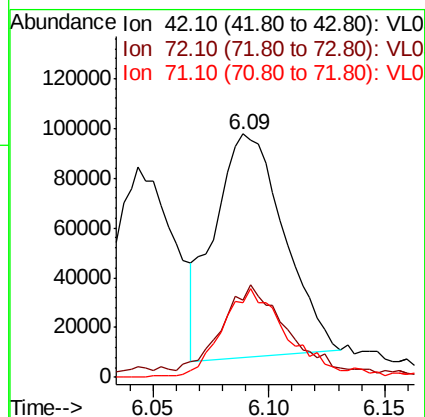
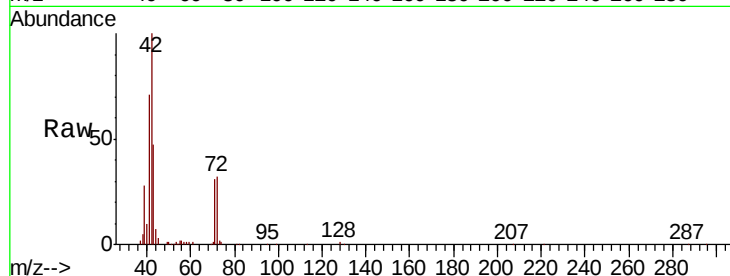
Delta R.T. 0.04 min

Lab File: ClientSampleId: 1160-1-SG-4

Acq: 8 Apr 2022 00:47

Tot Ion: 42 Resp: 186126

Ion	Ratio	Lower	Upper
42	100		
72	47.9	31.4	47.0#
71	39.9	30.2	45.4



#42

Bromodichloromethane

Concen: 0.530 ppbv

RT: 7.83 min Scan# 1568

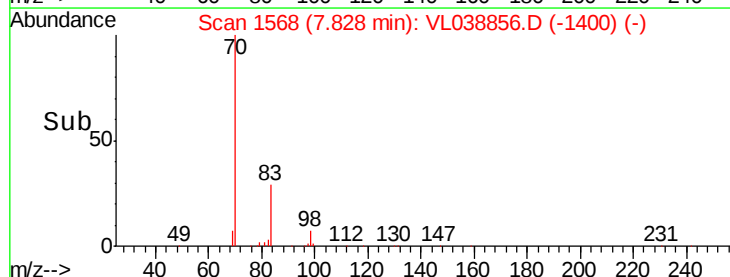
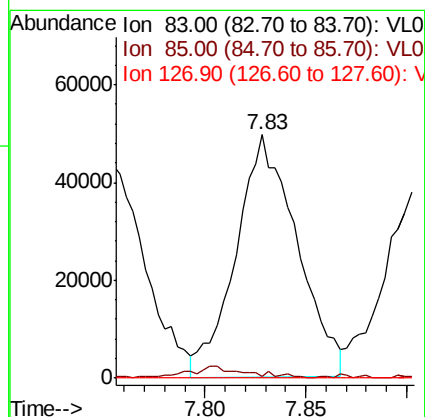
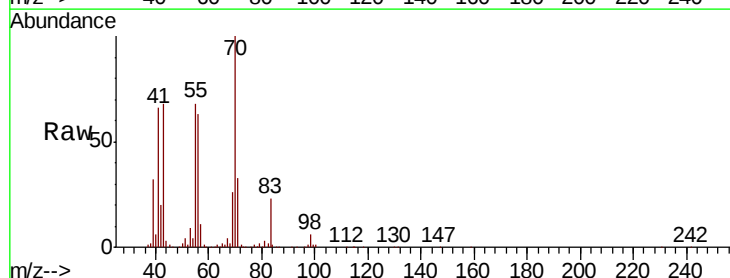
Delta R.T. 0.04 min

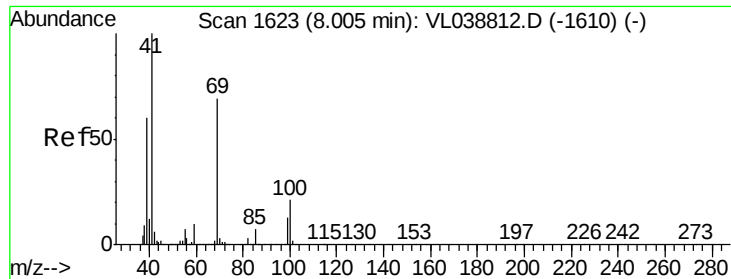
Lab File: VL038856.D

Acq: 8 Apr 2022 00:47

Tgt Ion: 83 Resp: 104656

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.7	77.5#
127	0.0	5.9	8.9#





#43

Methyl Methacrylate

Concen: 0.110 ppbv

RT: 8.06

Instrument: MSVOA_1

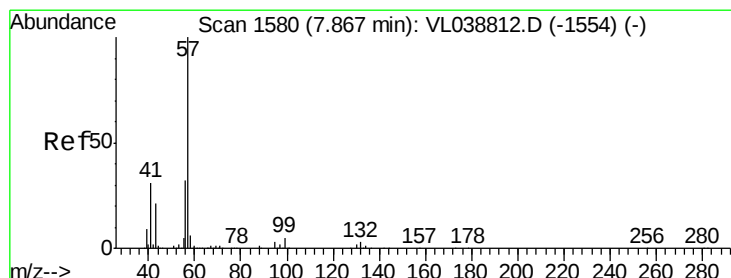
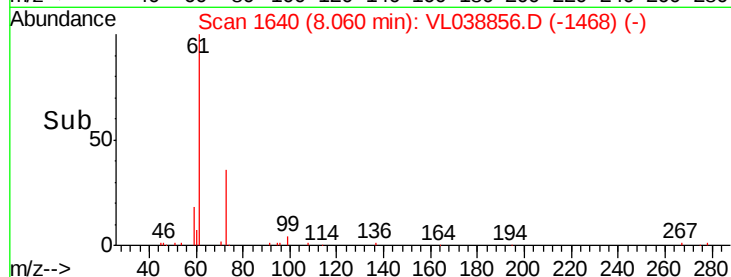
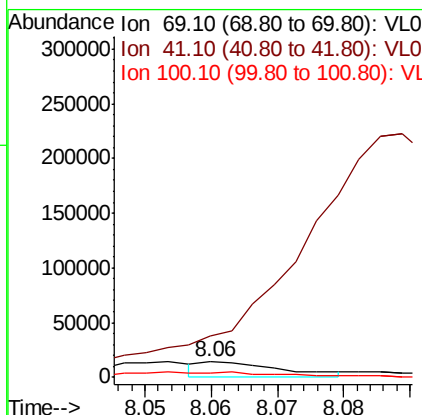
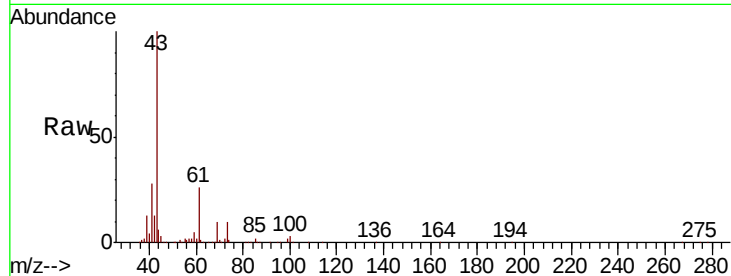
Delta R.T.

Lab File: ClientSampleId :

Acq: 8 Apr 2022 00:47

Tot Ion: 69 Resp: 11562

Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.0	178.4#
100	81.8	26.4	39.6#



#44

2,2,4-Trimethylpentane

Concen: 2.455 ppbv

RT: 7.91 min Scan# 1593

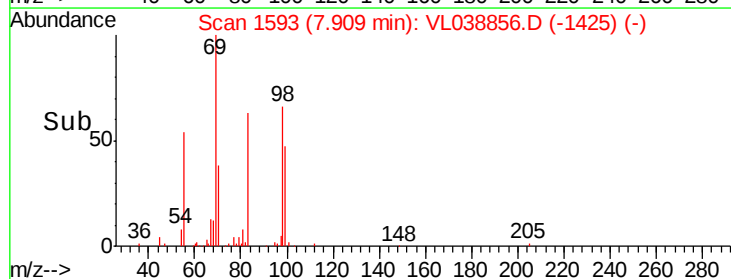
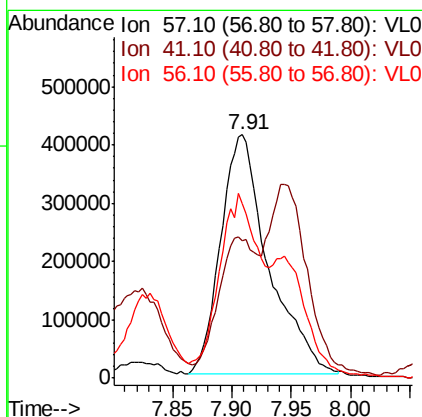
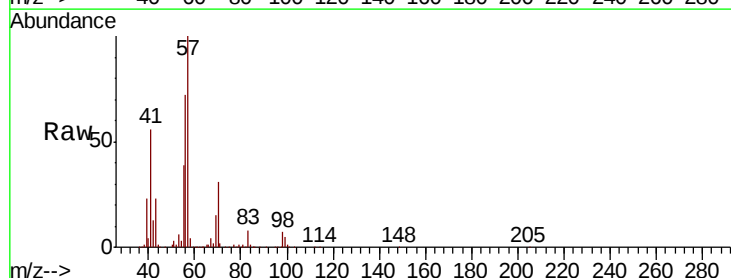
Delta R.T. 0.04 min

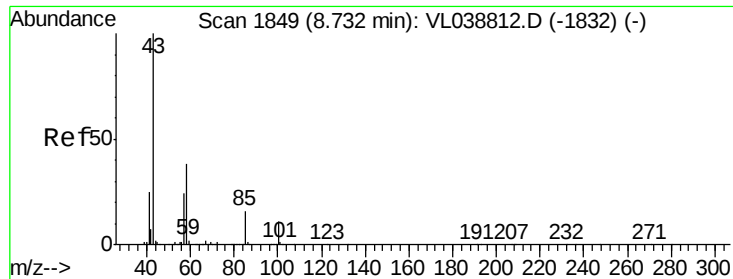
Lab File: VL038856.D

Acq: 8 Apr 2022 00:47

Tgt Ion: 57 Resp: 1135681

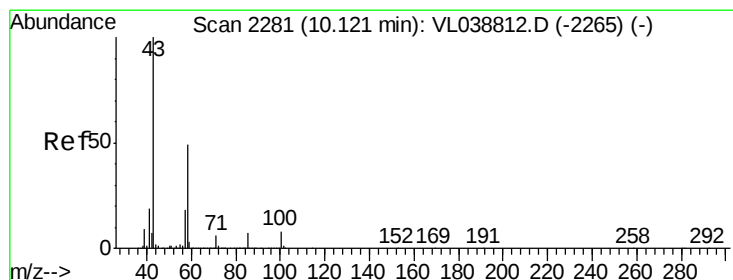
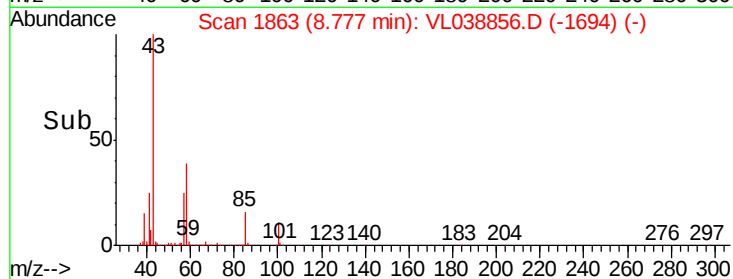
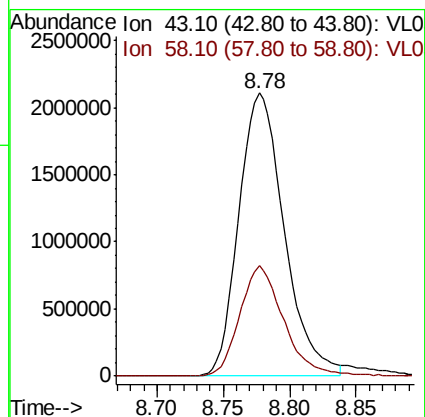
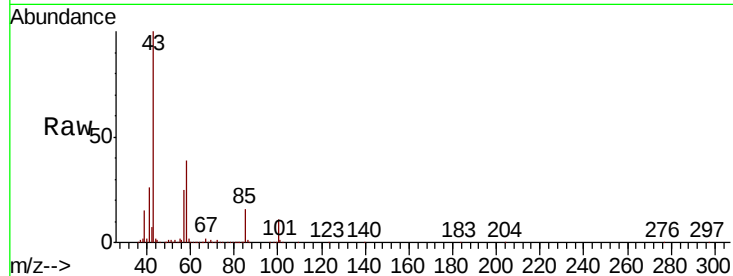
Ion	Ratio	Lower	Upper
57	100		
41	115.6	25.0	37.4#
56	101.8	25.3	37.9#





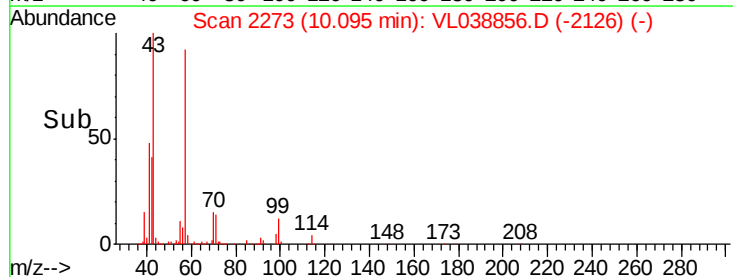
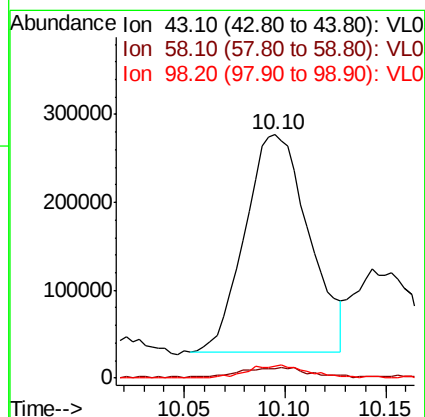
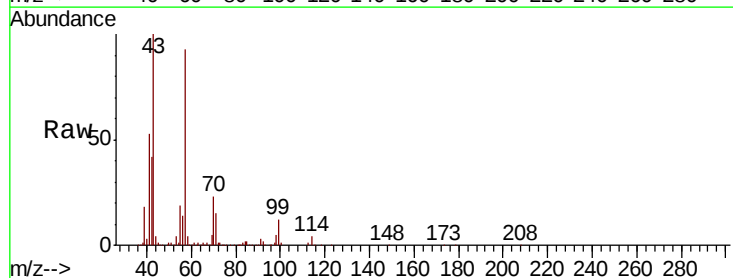
#50
 4-Methyl-2-Pentanone
 Concen: 18.765 ppbv
 RT: 8.78
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 00:47

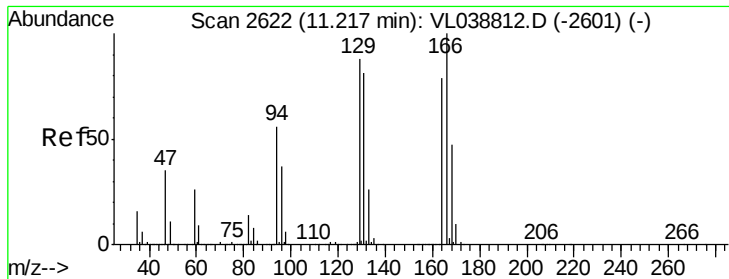
Tot Ion: 43 Resp: 5010051
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.0 43.6



#51
 2-Hexanone
 Concen: 2.715 ppbv
 RT: 10.10 min Scan# 2273
 Delta R.T. -0.03 min
 Lab File: VL038856.D
 Acq: 8 Apr 2022 00:47

Tgt Ion: 43 Resp: 546257
 Ion Ratio Lower Upper
 43 100
 58 4.4 41.4 62.0#
 98 6.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 1.136 ppbv

RT: 11.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:47

Tot Ion:164 Resp: 108439

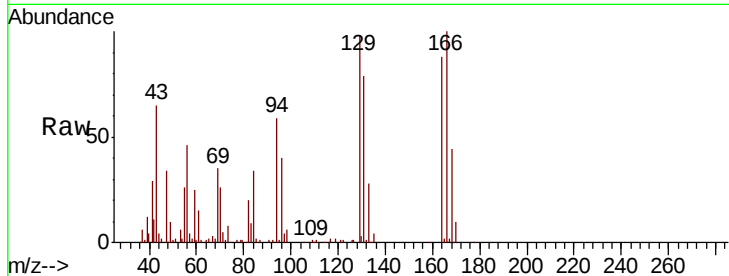
Ion Ratio Lower Upper

164 100

166 112.7 101.0 151.6

129 110.7 88.7 133.1

131 88.7 81.8 122.6



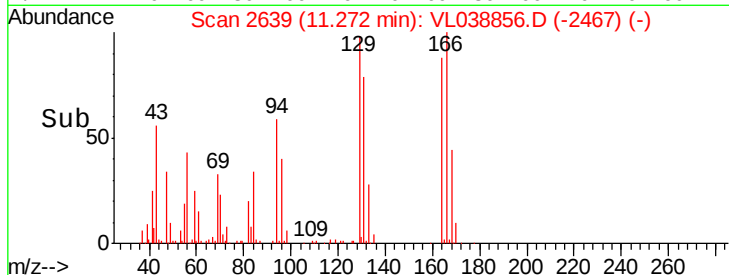
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



Abundance

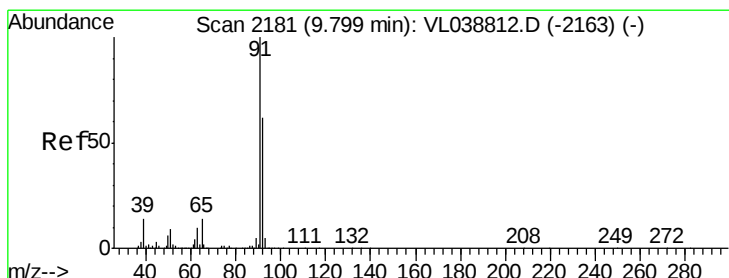
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



#53

Toluene

Concen: 32.625 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. 0.05 min

Lab File: VL038856.D

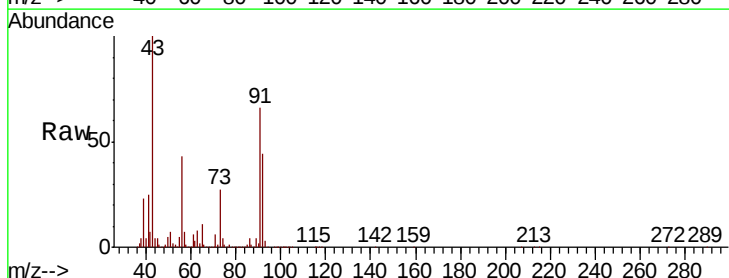
Acq: 8 Apr 2022 00:47

Tgt Ion: 91 Resp:10292142

Ion Ratio Lower Upper

91 100

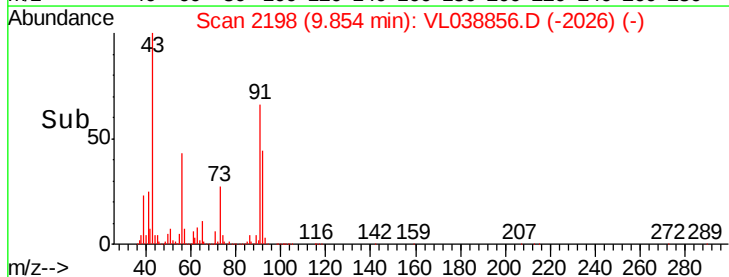
92 64.1 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->

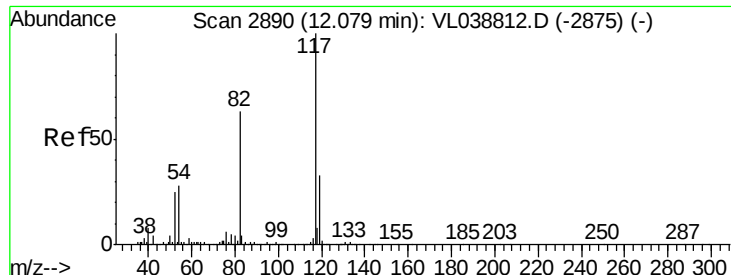


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

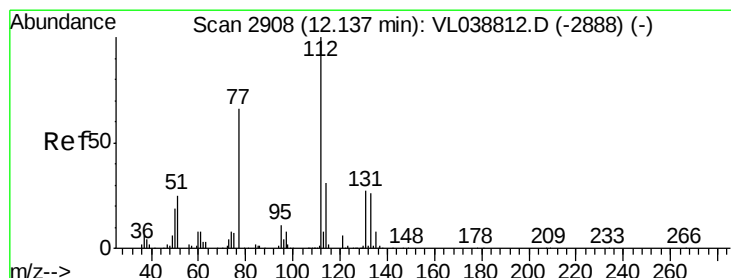
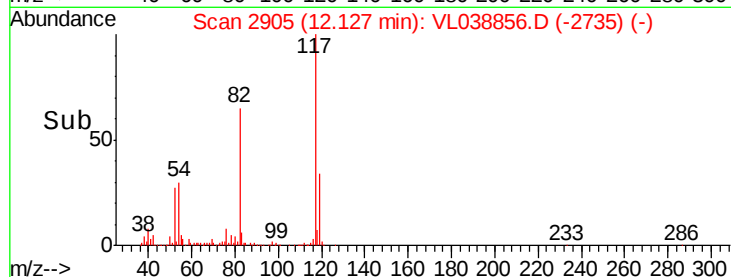
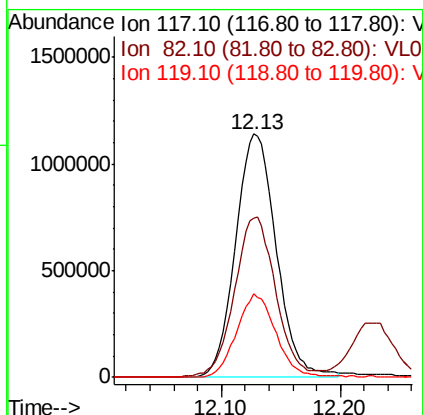
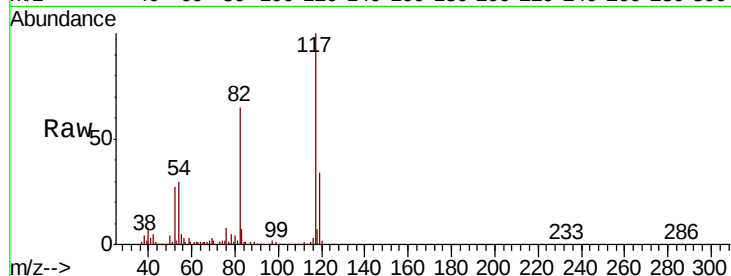
Time-->



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 00:47

Tot Ion:117 Resp: 2696238

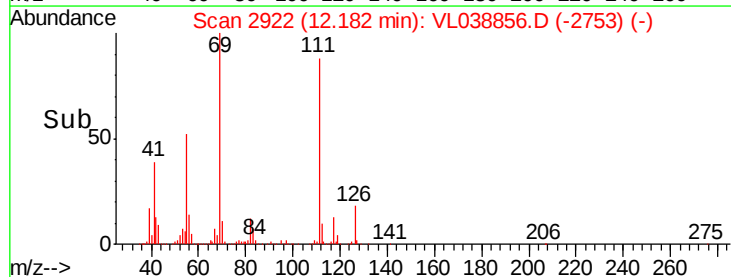
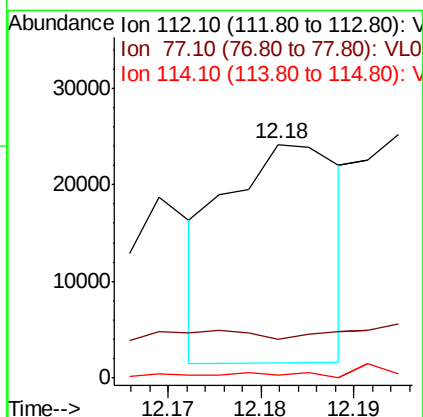
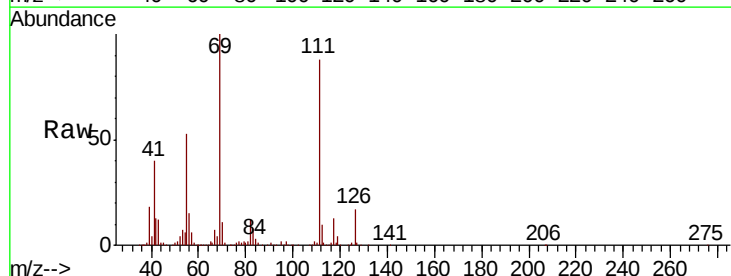
Ion	Ratio	Lower	Upper
117	100		
82	67.1	53.0	79.6
119	33.7	24.9	37.3

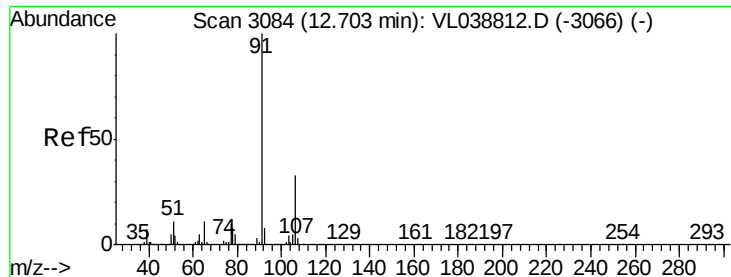


#57
Chlorobenzene
Concen: 0.088 ppbv
RT: 12.18 min Scan# 2922
Delta R.T.: 0.04 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion:112 Resp: 19448

Ion	Ratio	Lower	Upper
112	100		
77	0.0	52.4	78.6#
114	3.6	28.1	34.3#





#58

Ethyl Benzene

Concen: 11.626 ppbv

RT: 12.75

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

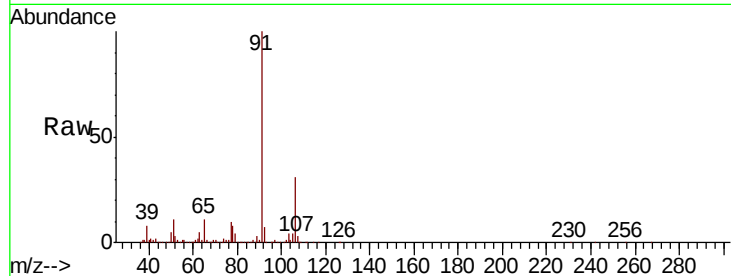
Acq: 8 Apr 2022 00:47

Tot Ion: 91 Resp: 4683947

Ion Ratio Lower Upper

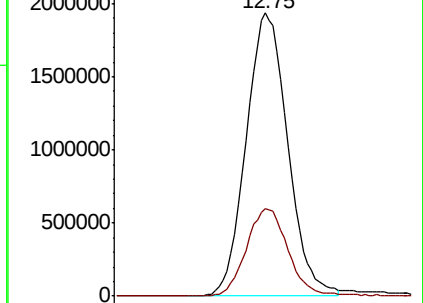
91 100

106 31.2 26.7 40.1

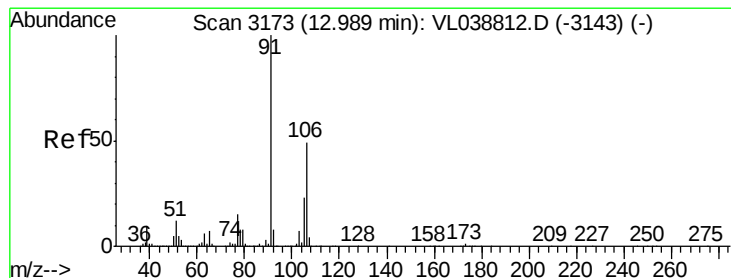
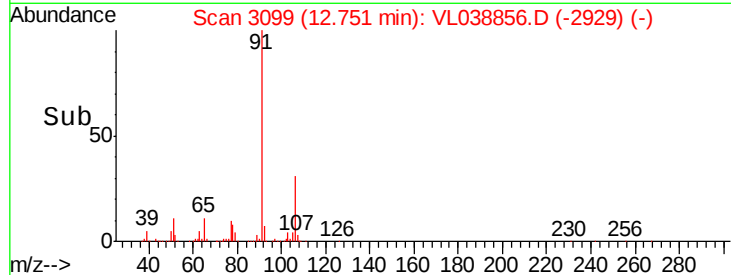


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



Time-->



#59

m/p-Xylene

Concen: 37.426 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.02 min

Lab File: VL038856.D

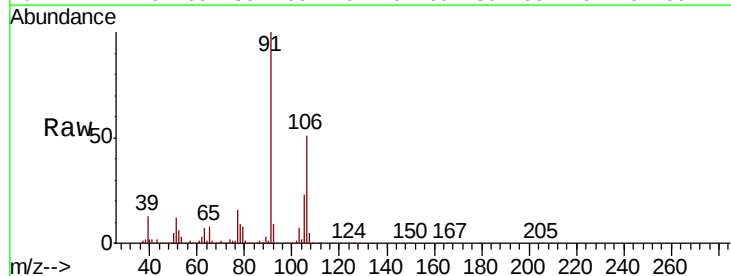
Acq: 8 Apr 2022 00:47

Tgt Ion: 91 Resp: 12668207

Ion Ratio Lower Upper

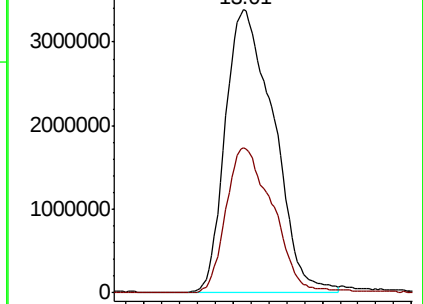
91 100

106 50.6 37.1 55.7

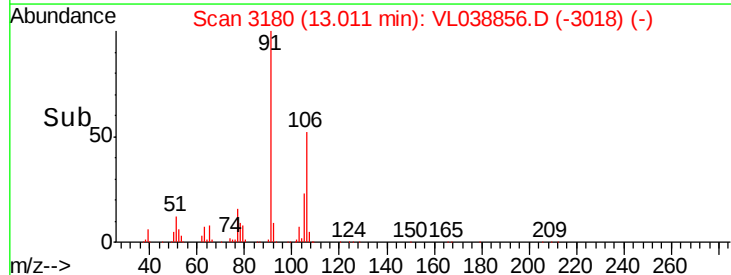


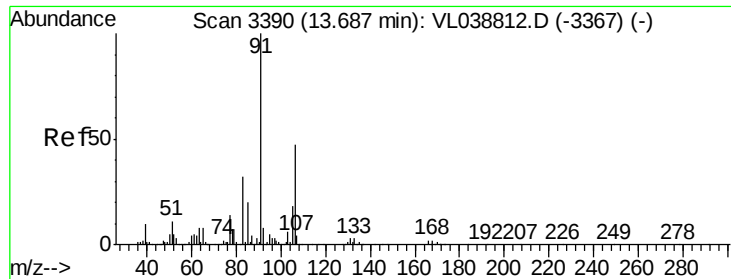
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



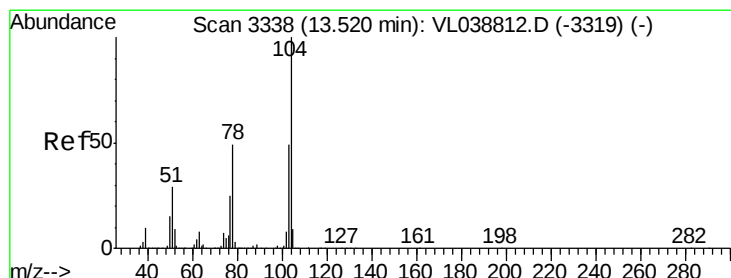
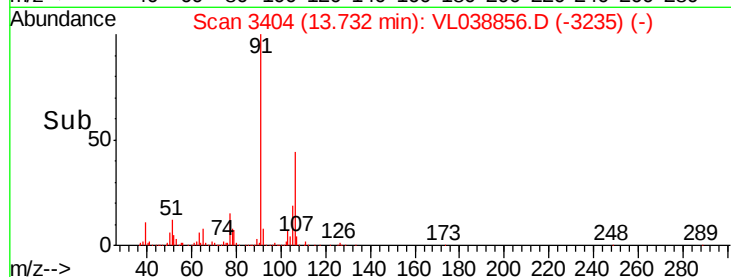
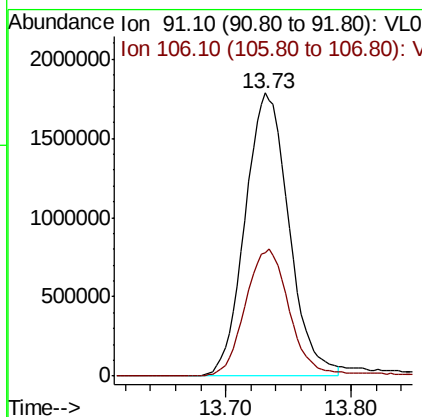
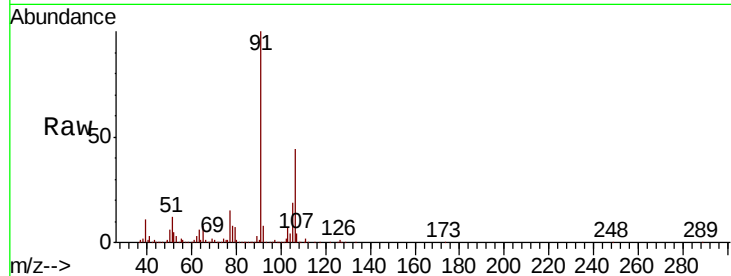
Time-->





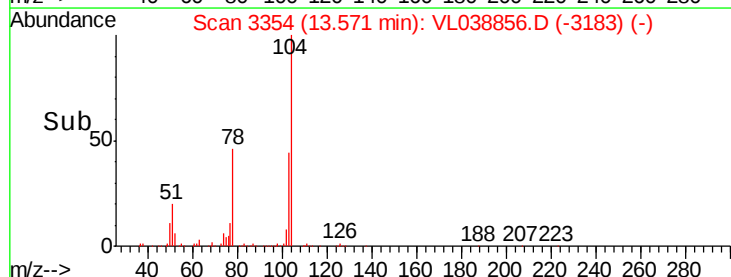
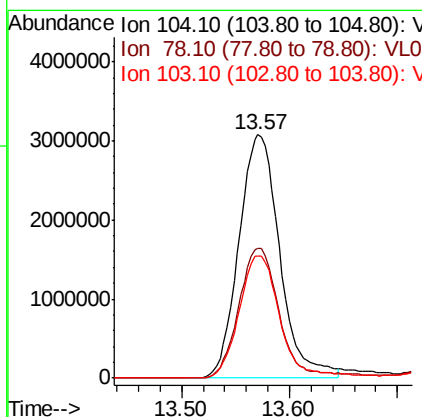
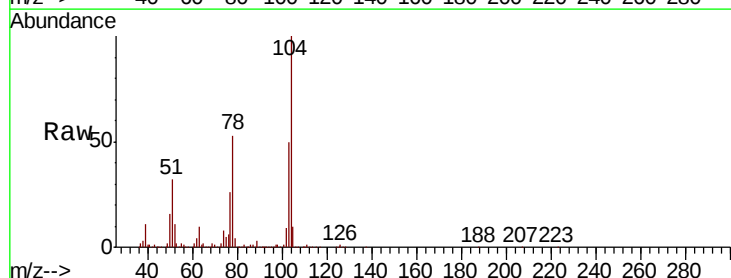
#60
o-Xylene
Concen: 13.656 ppbv
RT: 13.73
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 8 Apr 2022 00:47

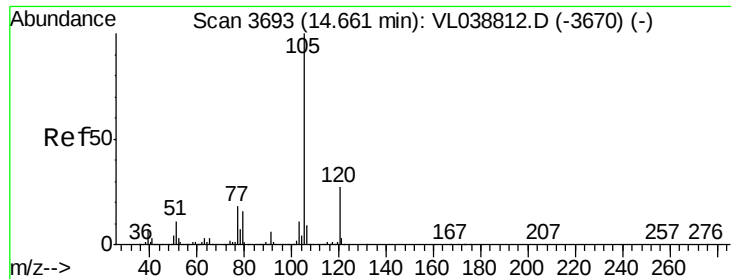
Tot Ion: 91 Resp: 4325269
Ion Ratio Lower Upper
91 100
106 46.4 23.8 71.4



#61
Styrene
Concen: 41.936 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.05 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion: 104 Resp: 8092228
Ion Ratio Lower Upper
104 100
78 54.0 40.5 60.7
103 51.0 39.0 58.4





#62

Isopropylbenzene

Concen: 0.454 ppbv

RT: 14.71 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

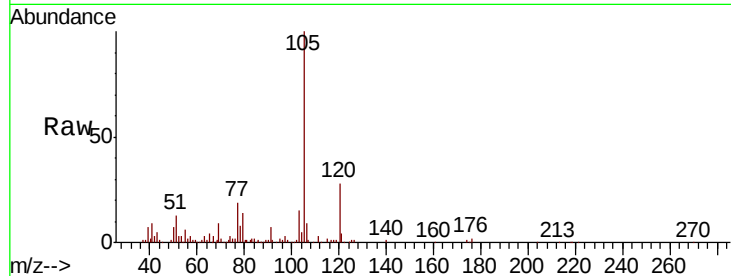
Acq: 8 Apr 2022 00:47

Tot Ion: 105 Resp: 215846

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.71

100000

80000

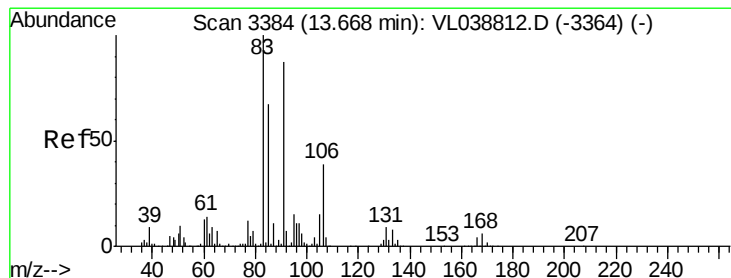
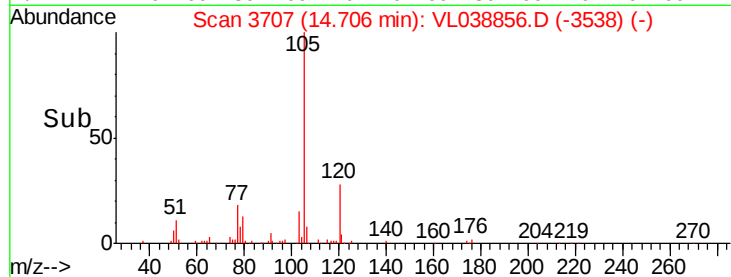
60000

40000

20000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.058 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.04 min

Lab File: VL038856.D

Acq: 8 Apr 2022 00:47

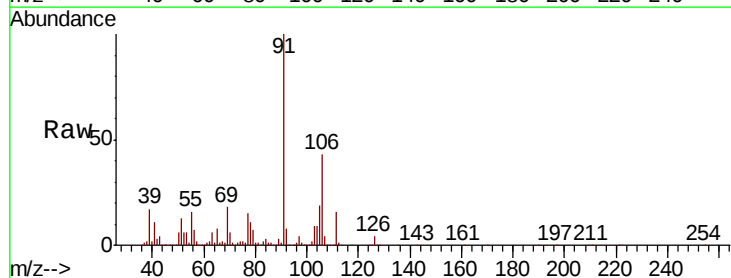
Tgt Ion: 83 Resp: 11649

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 138.3 33.0 99.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

20000

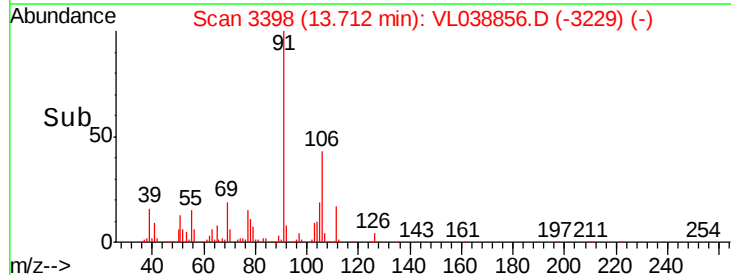
15000

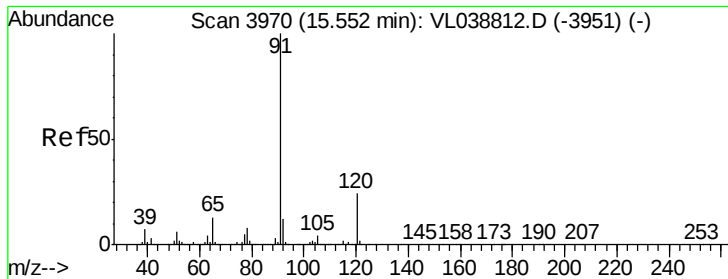
10000

5000

0

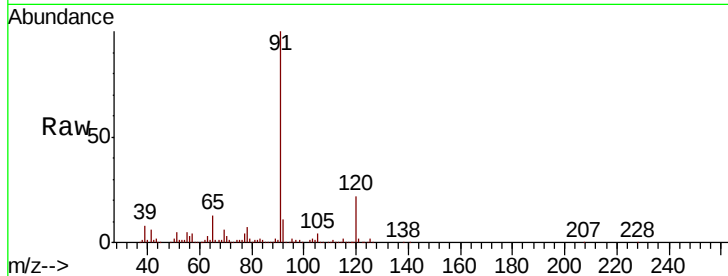
Time-->



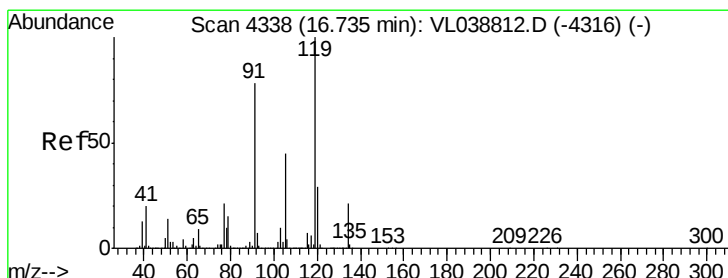
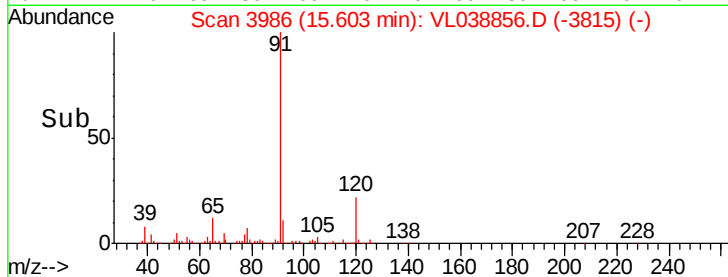
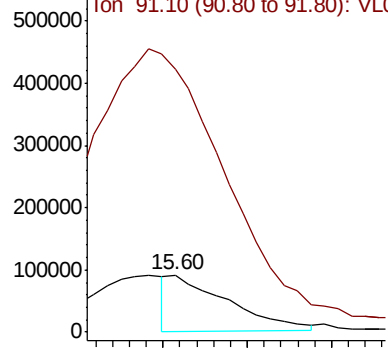


#64
n-propylbenzene
Concen: 0.706 ppbv
RT: 15.60 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 00:47

Tot Ion:120 Resp: 87144
Ion Ratio Lower Upper
120 100
91 0.0 360.6 540.8#

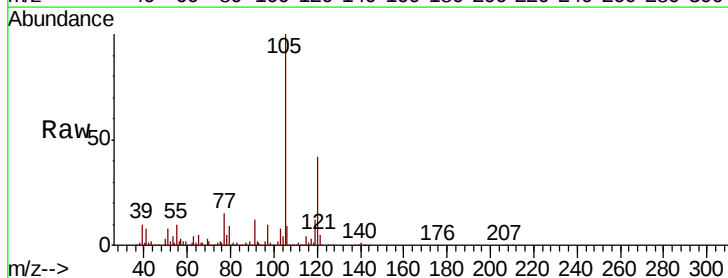


Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

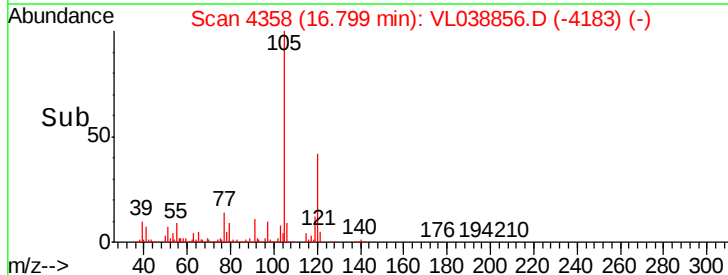
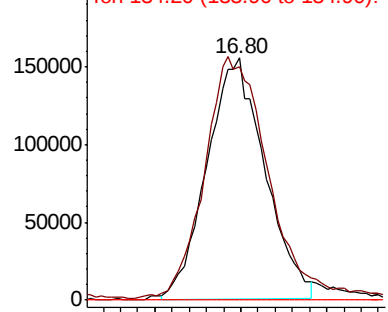


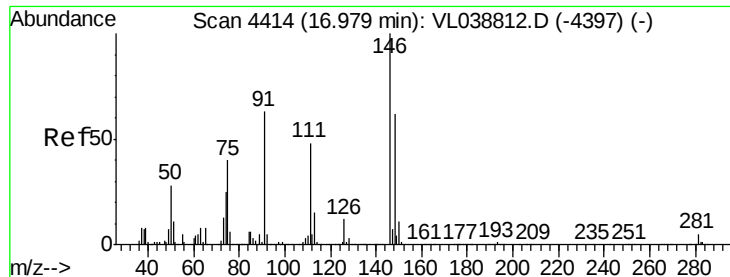
#65
tert-Butylbenzene
Concen: 0.861 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. 0.06 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion:119 Resp: 363153
Ion Ratio Lower Upper
119 100
91 110.8 62.8 94.2#
134 0.0 16.2 24.4#



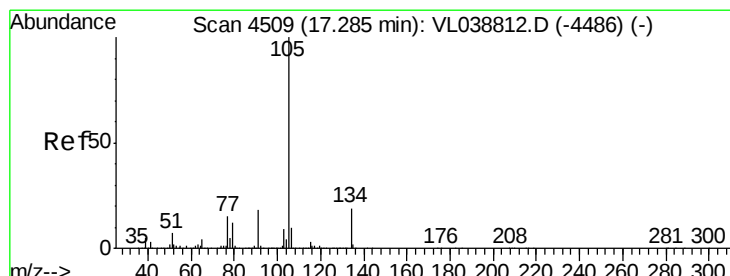
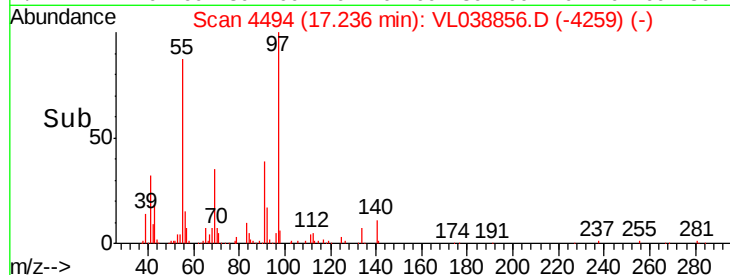
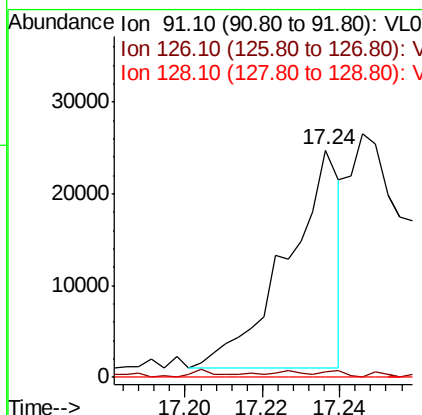
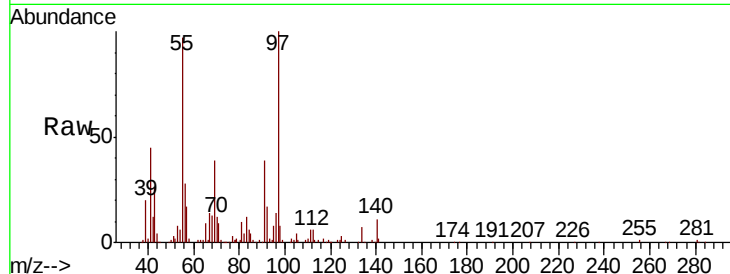
Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V





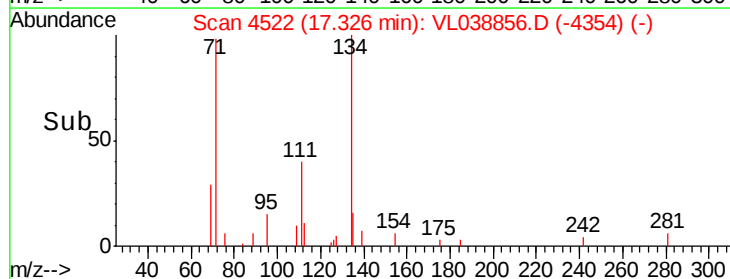
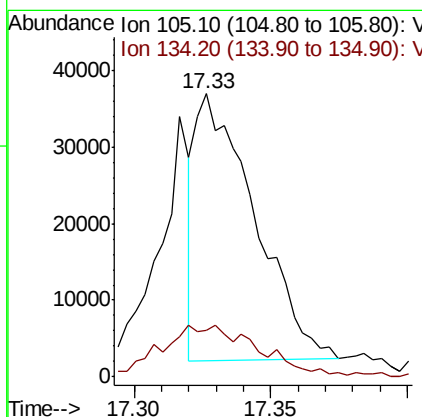
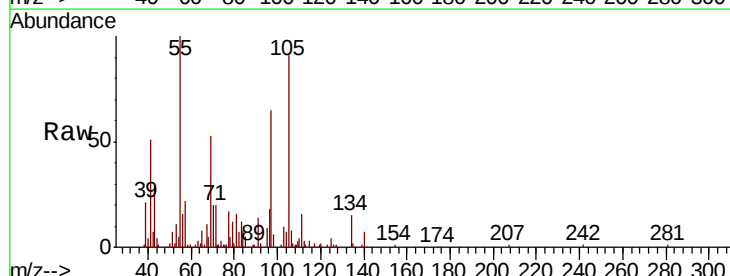
#66
Benzyl Chloride
Concen: 0.264 ppbv
RT: 17.24 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: VL038812.D
Client Sample ID: 1160-1-SG-4
Acq: 8 Apr 2022 00:47

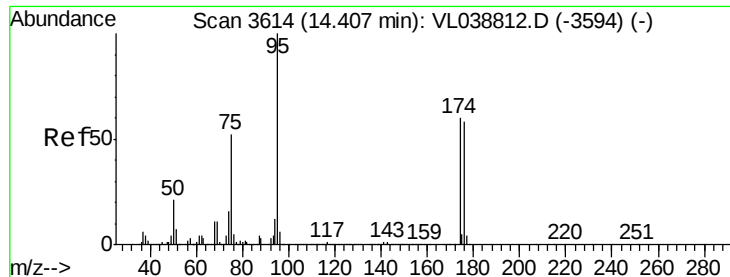
Tot Ion: 91 Resp: 22682
Ion Ratio Lower Upper
91 100
126 7.3 15.4 23.0#
128 0.0 4.7 7.1#



#67
sec-Butylbenzene
Concen: 0.088 ppbv
RT: 17.33 min Scan# 4522
Delta R.T.: 0.04 min
Lab File: VL038856.D
Acq: 8 Apr 2022 00:47

Tgt Ion: 105 Resp: 51918
Ion Ratio Lower Upper
105 100
134 33.9 15.1 22.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.437 ppbv

RT: 14.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:47

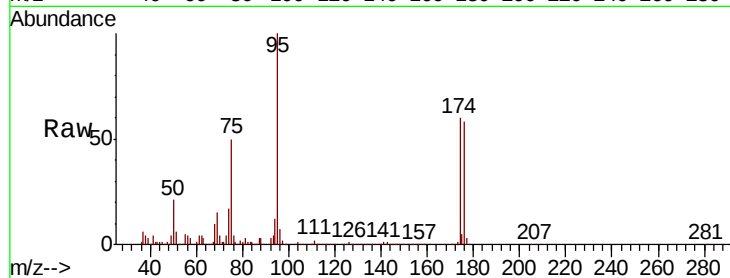
Tot Ion: 95 Resp: 2134541

Ion Ratio Lower Upper

95 100

174 63.2 52.0 78.0

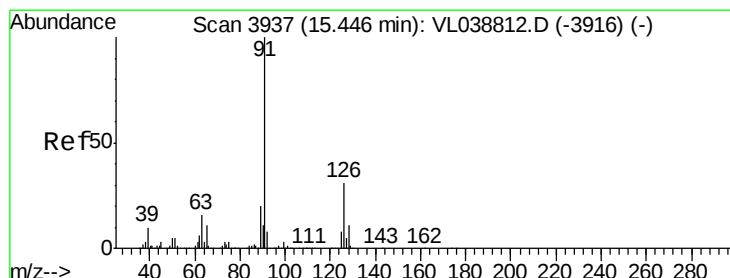
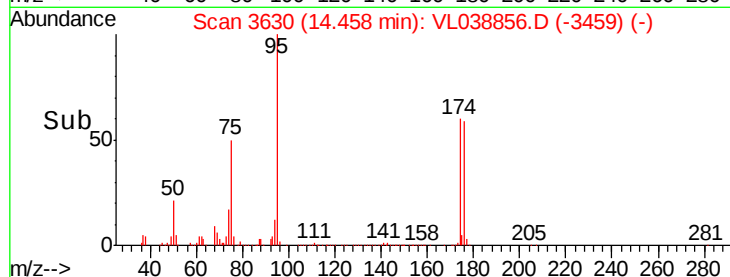
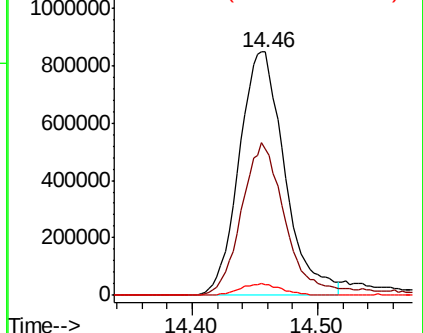
175 4.7 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#71

2-Chlorotoluene

Concen: 3.078 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.15 min

Lab File: VL038856.D

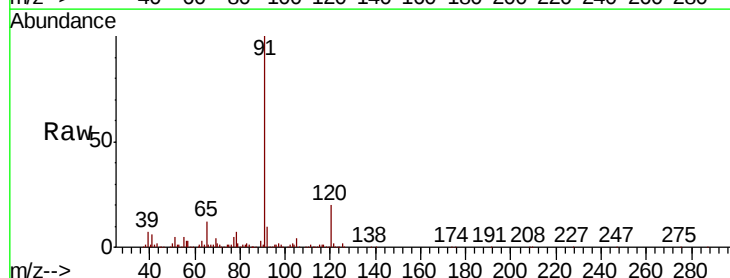
Acq: 8 Apr 2022 00:47

Tgt Ion: 91 Resp: 1100468

Ion Ratio Lower Upper

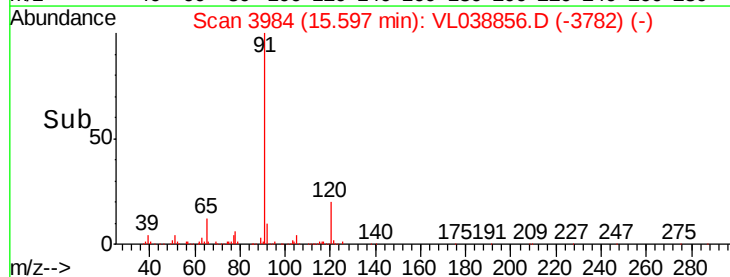
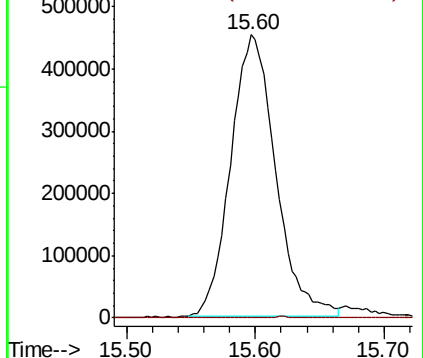
91 100

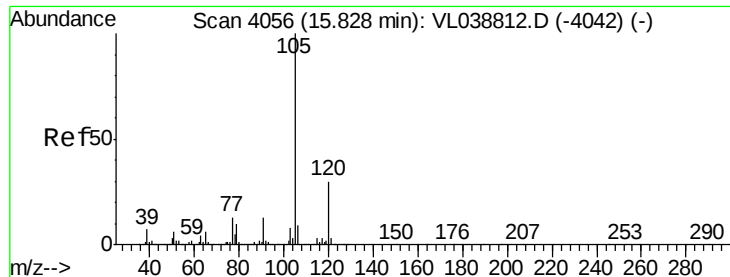
126 0.5 13.0 51.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 3.893 ppbv

RT: 15.88

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 00:47

Tot Ion:105 Resp: 1472506

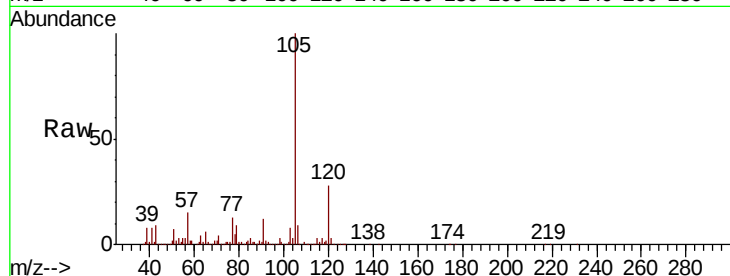
Ion Ratio Lower Upper

105 100

120 30.1 24.3 36.5

91 12.6 9.4 14.2

77 12.8 10.6 15.8

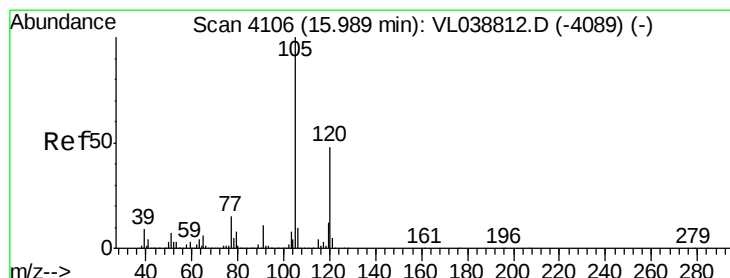
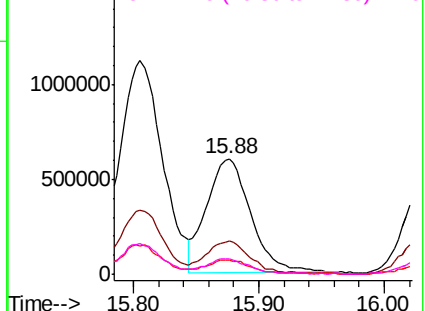
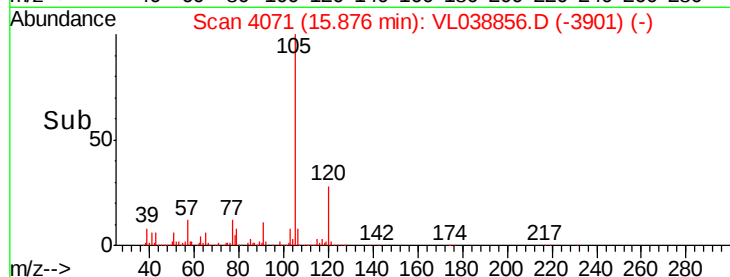


Abundance Ion 105.10 (104.80 to 105.80): V

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: 3.370 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.04 min

Lab File: VL038856.D

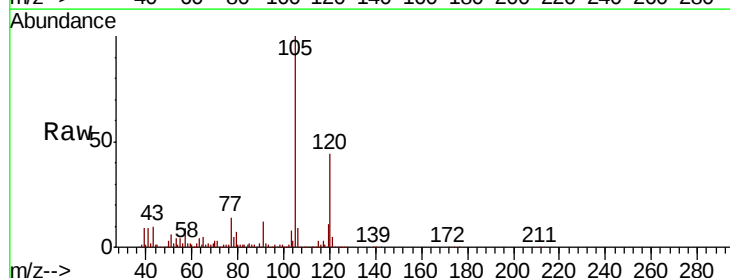
Acq: 8 Apr 2022 00:47

Tgt Ion:105 Resp: 1145049

Ion Ratio Lower Upper

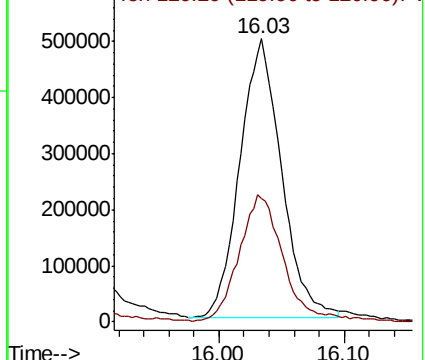
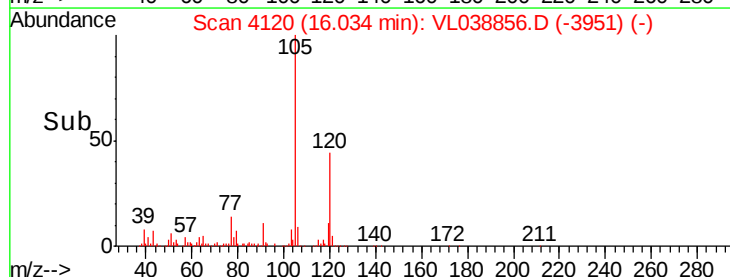
105 100

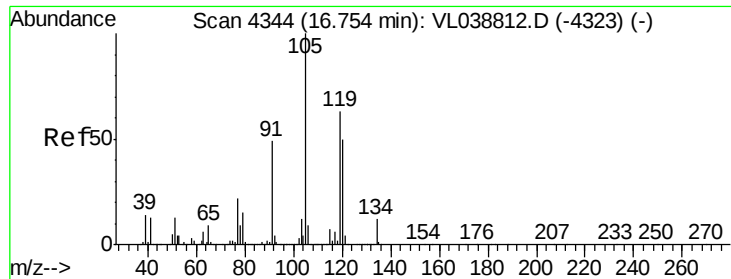
120 44.0 38.7 58.1



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: 9.499 ppbv
 RT: 16.80
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 00:47

Tot Ion:	105	Resp:	3411785
Ion	Ratio	Lower	Upper
105	100		
120	42.2	39.8	59.8
91	11.2	39.4	59.0#
77	15.0	17.3	25.9#

