

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038863.D
 Acq On : 8 Apr 2022 5:19
 Operator : SY/AP
 Sample : N2274-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1161-8-01-SG-3

Quant Time: Apr 11 01:10:18 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	5.69	49	1139510	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2795363	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	2489967	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2306022	12.21	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	122.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	114810	0.710 ppbv	95
3) Chlorodifluoromethane	3.01	51	75178	0.541 ppbv #	92
4) Chloromethane	3.16	50	6637	0.092 ppbv	91
9) Propene	3.03	41	86466	1.175 ppbv #	26
10) Heptane	8.16	43	4180664	22.558 ppbv	97
11) Trichlorofluoromethane	3.97	101	31102	0.239 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.51	101	5408	0.054 ppbv #	12
13) Ethanol	3.69	45	38733947	8662.546 ppbv #	100
15) Acetone	3.87	43	2750088	24.241 ppbv	91
16) 1,3-Butadiene	3.33	39	136560	2.106 ppbv #	16
17) tert-Butyl alcohol	4.04	59	617260	6.067 ppbv	95
19) Isopropyl Alcohol	4.04	45	14346967	247.432 ppbv #	100
20) Methylene Chloride	4.37	84	187246	4.551 ppbv	91
21) Allyl Chloride	4.39	41	70968	0.835 ppbv #	51
23) Vinyl Acetate	5.08	43	513991	4.652 ppbv #	1
25) Ethyl Acetate	5.72	43	1699259	5.903 ppbv #	86
26) Hexane	5.72	57	1782481	13.604 ppbv #	50
28) Methyl tert-Butyl Ether	5.06	73	22080	0.218 ppbv #	51
29) Chloroform	5.78	83	32043	0.175 ppbv	100
30) Cyclohexane	7.16	84	2051247	17.763 ppbv	95
31) cis-1,2-Dichloroethene	5.69	61	25357	0.210 ppbv #	26
34) 2-Butanone	5.27	43	1057598	9.575 ppbv	95
36) Benzene	6.92	78	2161962	8.502 ppbv	99
37) 1,2-Dichloroethane	6.34	62	4882	0.042 ppbv #	79
39) 1,2-Dichloropropane	7.90	63	10920	0.112 ppbv #	1
41) Tetrahydrofuran	6.08	42	825277	7.867 ppbv	97
42) Bromodichloromethane	7.82	83	161639	0.880 ppbv #	24
43) Methyl Methacrylate	8.04	69	57732	0.593 ppbv #	39
44) 2,2,4-Trimethylpentane	7.90	57	2576562	5.984 ppbv #	26
47) 1,1,2-Trichloroethane	9.60	97	90719	0.910 ppbv #	56
50) 4-Methyl-2-Pentanone	8.78	43	72444	0.292 ppbv #	34
51) 2-Hexanone	10.15	43	2202303	11.764 ppbv #	26
52) Tetrachloroethene	11.26	164	73050	0.822 ppbv	93
53) Toluene	9.84	91	12831386	43.710 ppbv	93
57) Chlorobenzene	12.23	112	1365094	6.694 ppbv #	32
58) Ethyl Benzene	12.75	91	11161616	29.999 ppbv	96
59) m/p-Xylene	13.01	91	19435734	62.176 ppbv	88
60) o-Xylene	13.73	91	10515148	35.949 ppbv	99
61) Styrene	13.56	104	27057	0.152 ppbv #	20
62) Isopropylbenzene	14.70	105	2224410	5.067 ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.70	83	50187	0.271 ppbv #	24

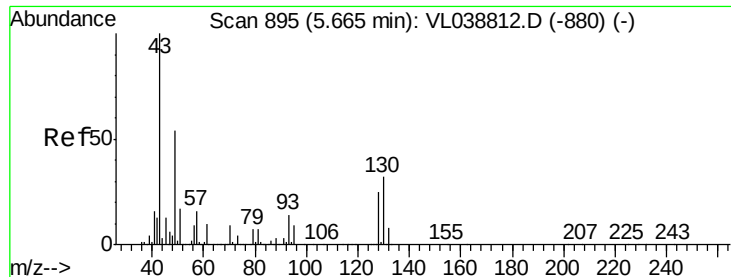
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
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Quant Time: Apr 11 01:10:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
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 Response via : Initial Calibration

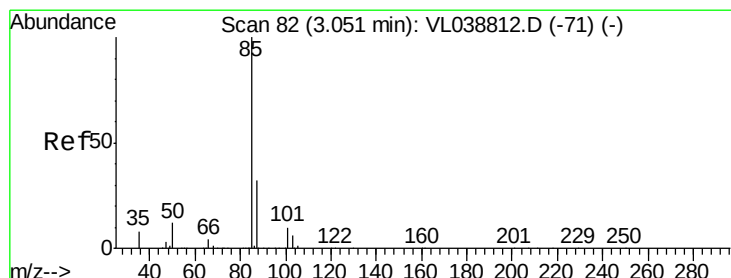
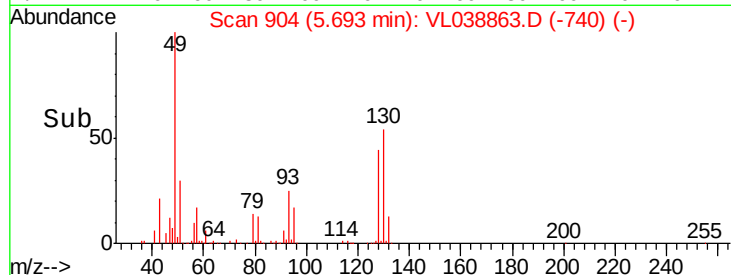
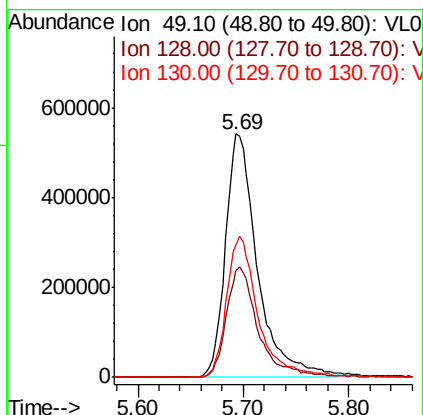
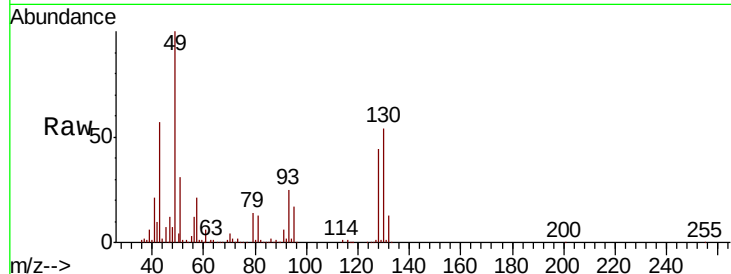
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.60	120	1441807	12.648	ppbv	90
65) tert-Butylbenzene	16.80	119	1472622	3.781	ppbv #	69
66) Benzyl Chloride	17.24	91	508839	6.417	ppbv #	68
67) sec-Butylbenzene	17.33	105	1651167	3.021	ppbv	98
69) p-Isopropyltoluene	17.68	119	755259	1.683	ppbv	98
70) n-Butylbenzene	18.58	91	2262521	5.004	ppbv #	63
71) 2-Chlorotoluene	15.35	91	228417	0.692	ppbv	85
72) 4-Ethyltoluene	15.87	105	5823397	16.673	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	4845837	15.444	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	11549609	34.821	ppbv #	77
75) 1,3-Dichlorobenzene	17.04	146	12742	0.066	ppbv #	23
79) Naphthalene	22.23	128	76254	0.307	ppbv #	89
80) Naphthalene,2-methyl-	25.07	142	2395	0.039	ppbv #	59

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



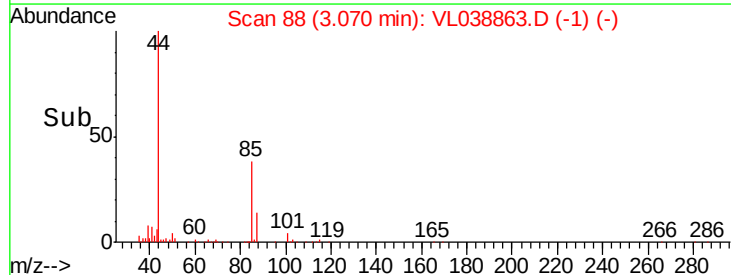
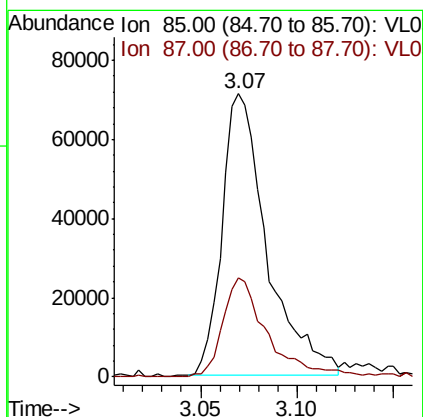
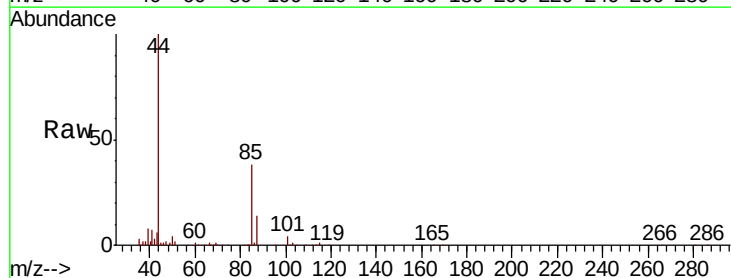
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 1161-8-01-SG-3
 Acq: 8 Apr 2022 5:19

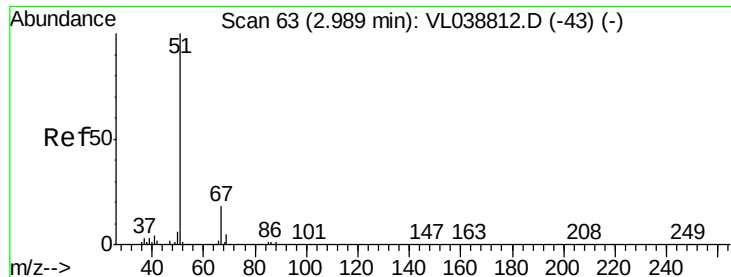
Tot Ion: 49 Resp: 1139510
 Ion Ratio Lower Upper
 49 100
 128 45.6 24.1 72.3
 130 57.9 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.710 ppbv
 RT: 3.07 min Scan# 88
 Delta R.T.: 0.02 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

Tgt Ion: 85 Resp: 114810
 Ion Ratio Lower Upper
 85 100
 87 35.1 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.541 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

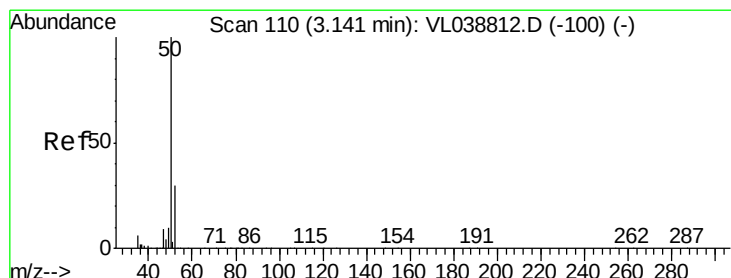
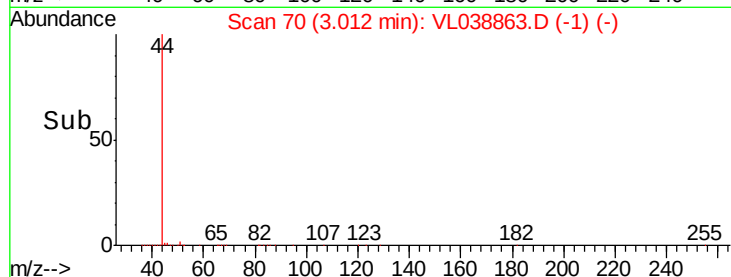
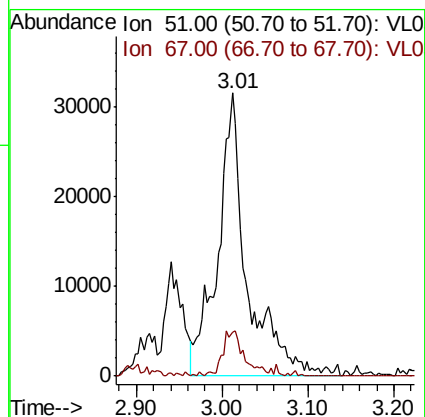
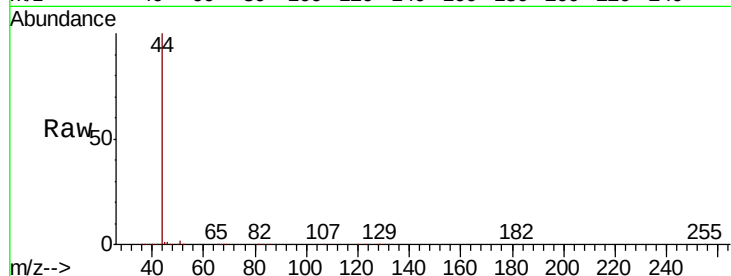
Acq: 8 Apr 2022 5:19

Tot Ion: 51 Resp: 75178

Ion Ratio Lower Upper

51 100

67 13.1 13.4 20.0#



#4

Chloromethane

Concen: 0.092 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL038863.D

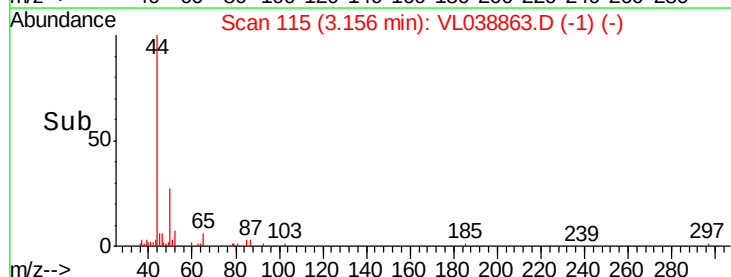
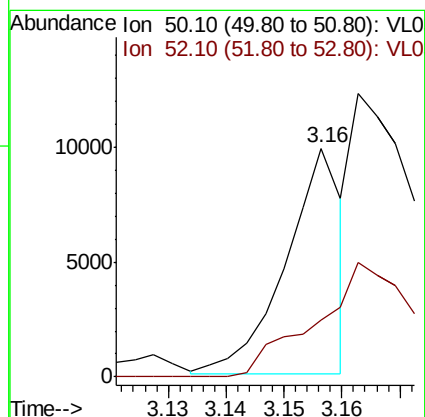
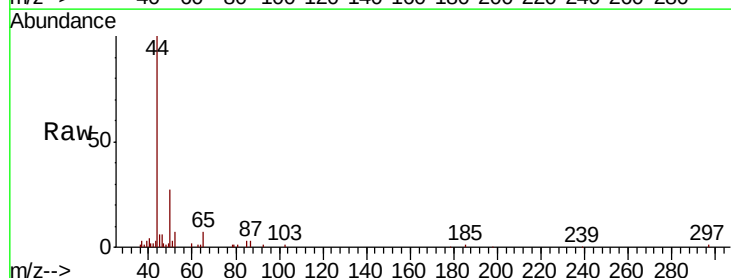
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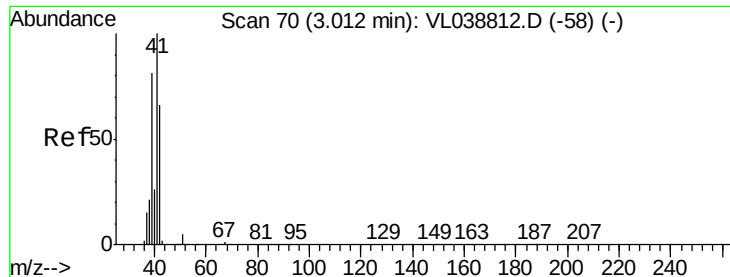
Tgt Ion: 50 Resp: 6637

Ion Ratio Lower Upper

50 100

52 25.7 24.3 36.5





#9

Propene

Concen: 1.175 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

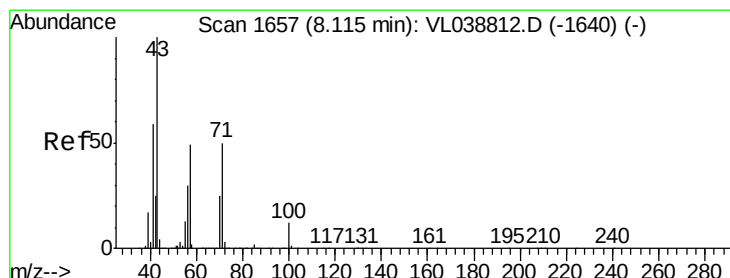
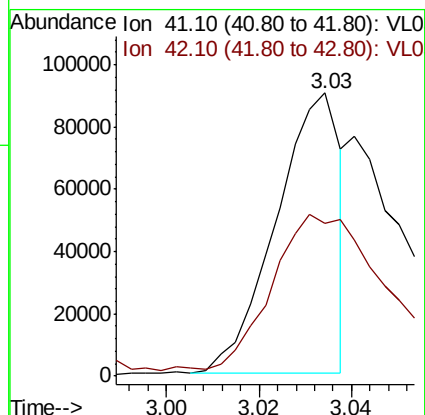
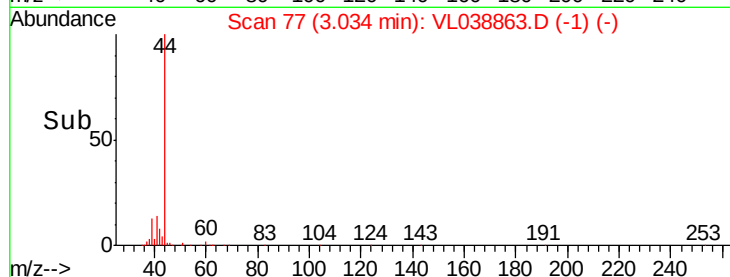
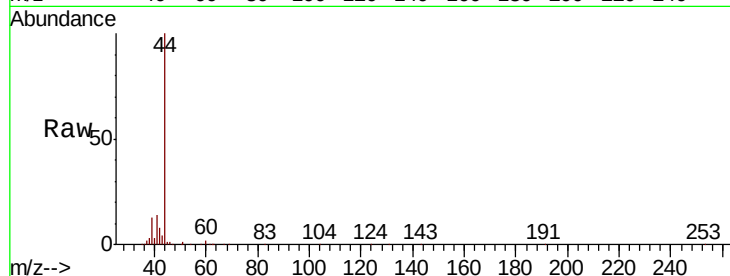
Acq: 8 Apr 2022 5:19

Tot Ion: 41 Resp: 86466

Ion Ratio Lower Upper

41 100

42 127.2 54.2 81.4#



#10

Heptane

Concen: 22.558 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. 0.04 min

Lab File: VL038863.D

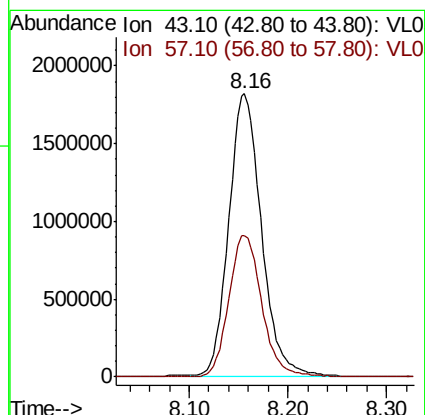
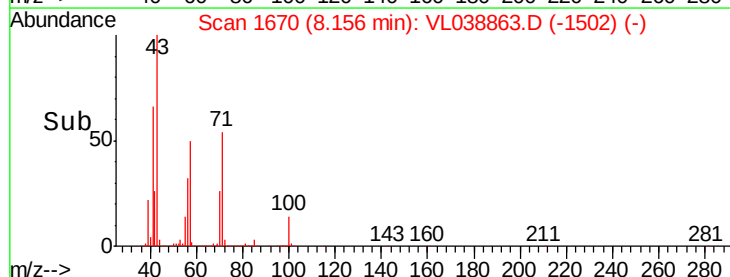
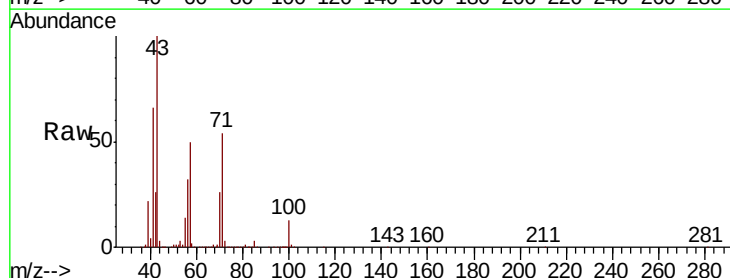
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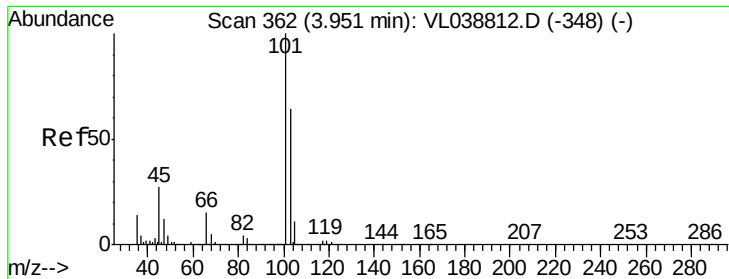
Tgt Ion: 43 Resp: 4180664

Ion Ratio Lower Upper

43 100

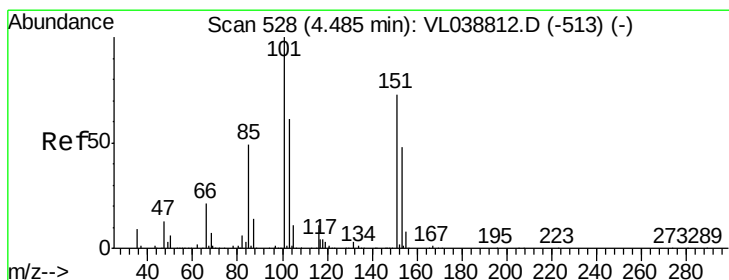
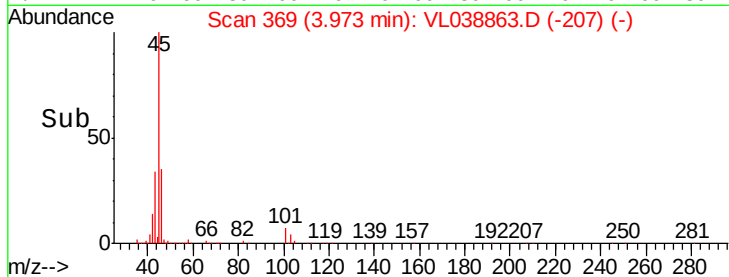
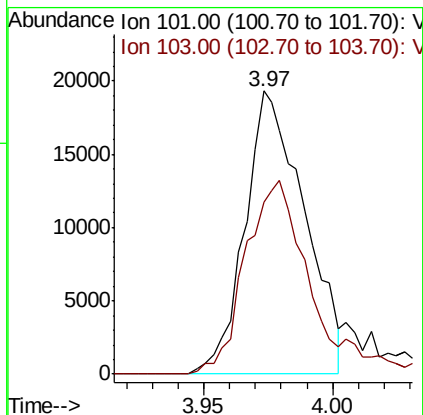
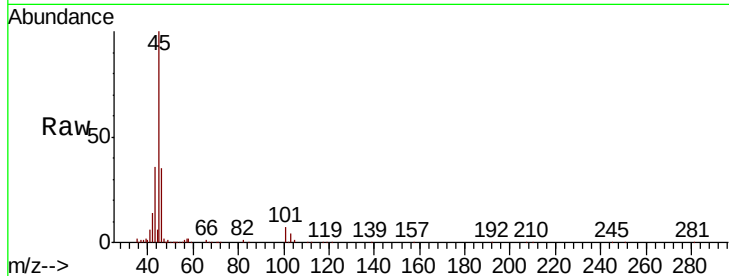
57 51.1 39.3 58.9





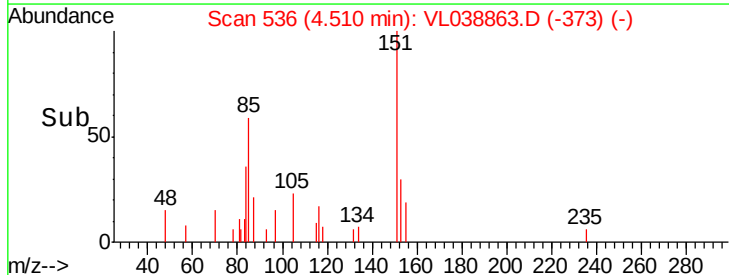
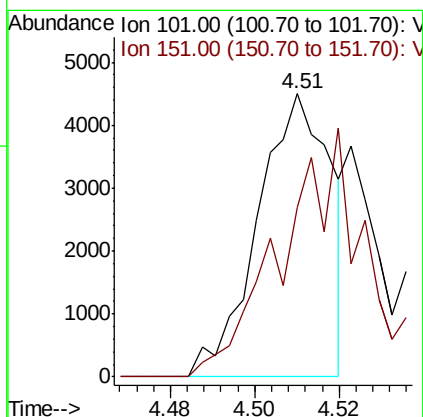
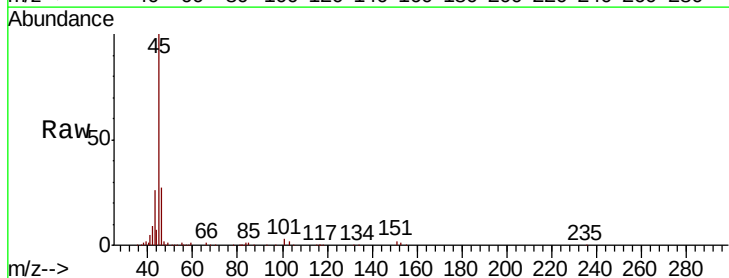
#11
 Trichlorofluoromethane
 Concen: 0.239 ppbv
 RT: 3.97
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 5:19

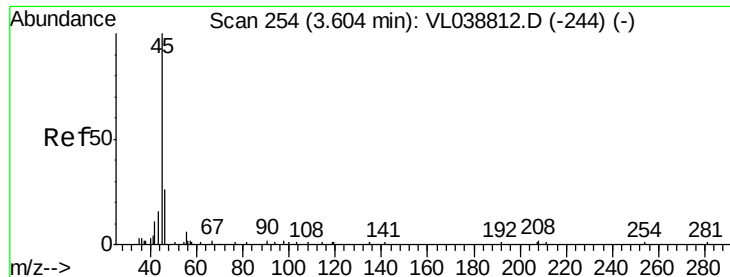
Tot Ion:101 Resp: 31102
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.054 ppbv
 RT: 4.51 min Scan# 536
 Delta R.T. 0.03 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

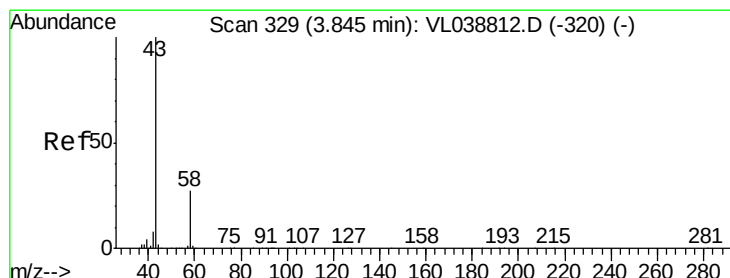
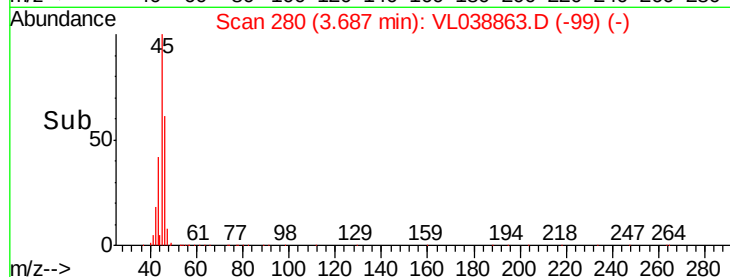
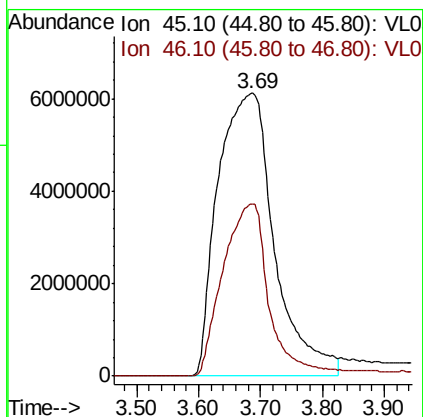
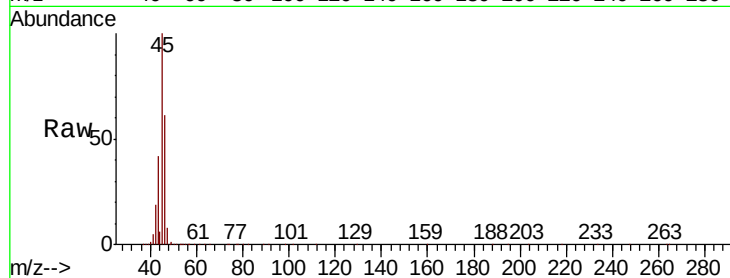
Tgt Ion:101 Resp: 5408
 Ion Ratio Lower Upper
 101 100
 151 0.0 59.9 89.9#





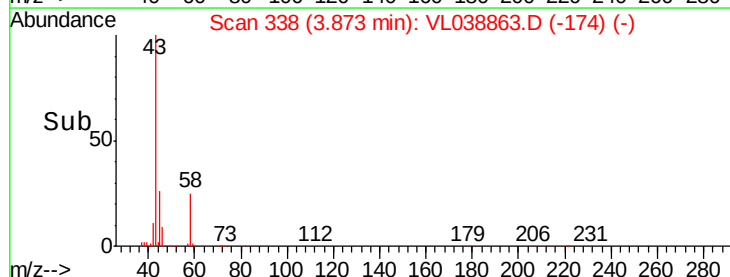
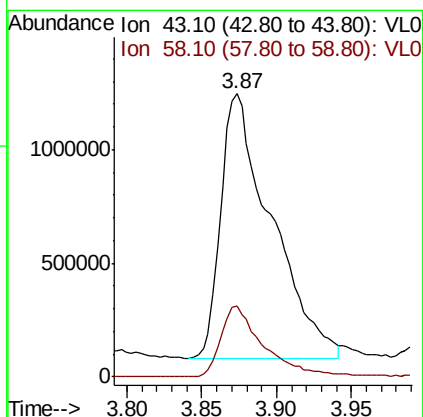
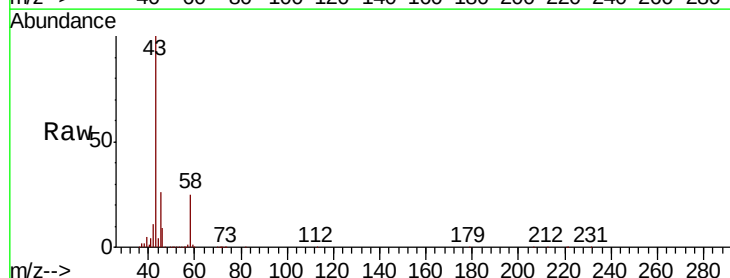
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Ethanol
Concen: 8662.546 ppbv
RT: 3.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 5:19

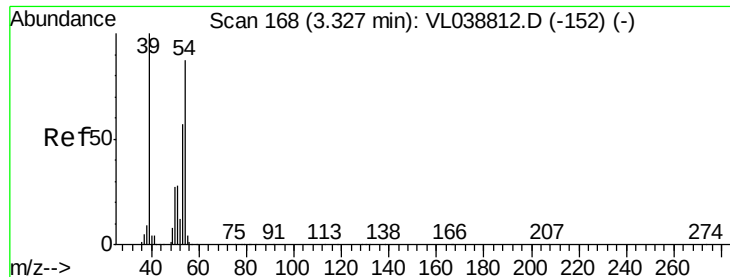
Tot Ion: 45 Resp: 38733947
Ion Ratio Lower Upper
45 100
46 51.2 0.0 0.0#



#15
Acetone
Concen: 24.241 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

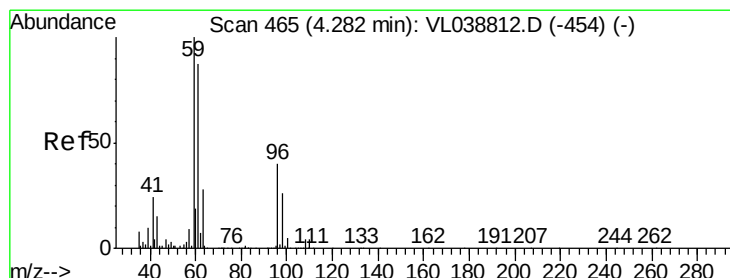
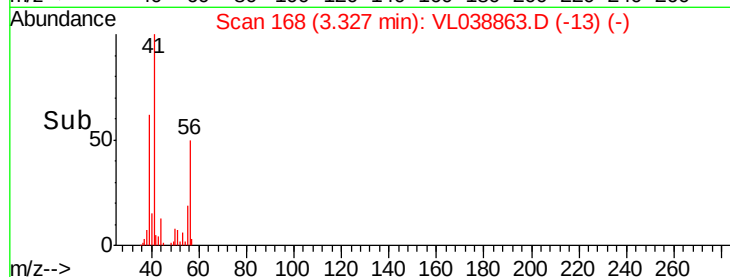
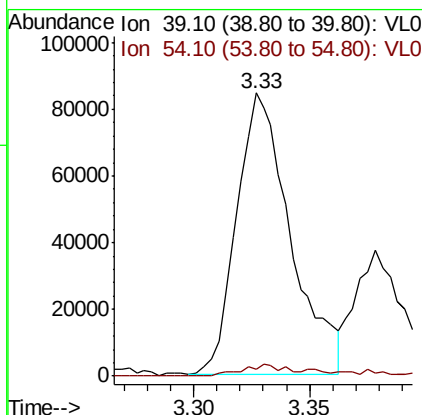
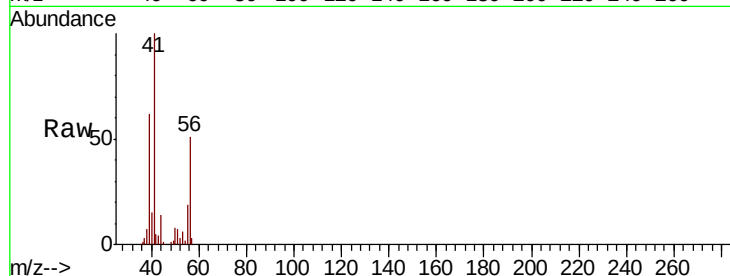
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Ion Ratio Lower Upper
43 100
58 23.5 22.5 33.7





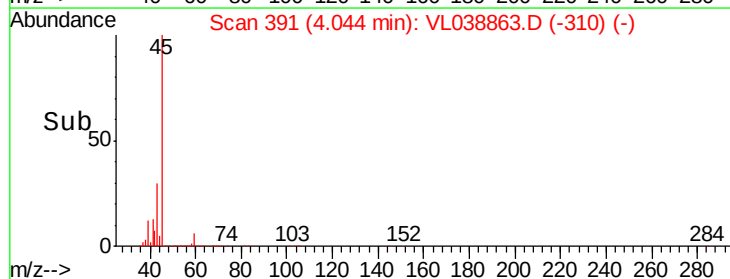
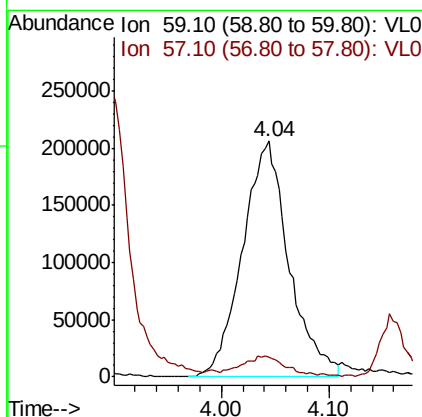
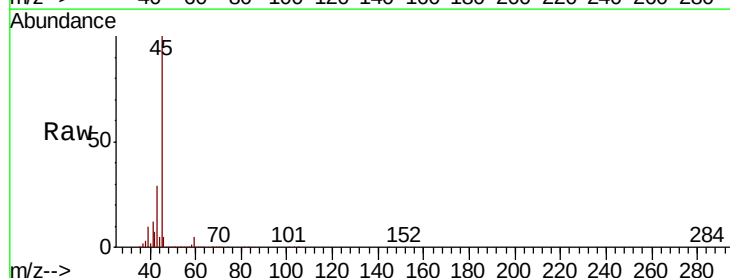
#16
 1,3-Butadiene
 Concen: 2.106 ppbv
 RT: 3.33
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 5:19

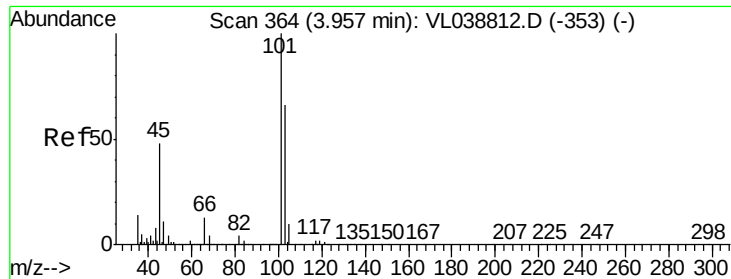
Tot Ion: 39 Resp: 136560
 Ion Ratio Lower Upper
 39 100
 54 6.1 64.8 97.2#



#17
 tert-Butyl alcohol
 Concen: 6.067 ppbv
 RT: 4.04 min Scan# 391
 Delta R.T. -0.24 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

Tgt Ion: 59 Resp: 617260
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.5 12.7





#19

Isopropyl Alcohol

Concen: 247.432 ppbv

RT: 4.04 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

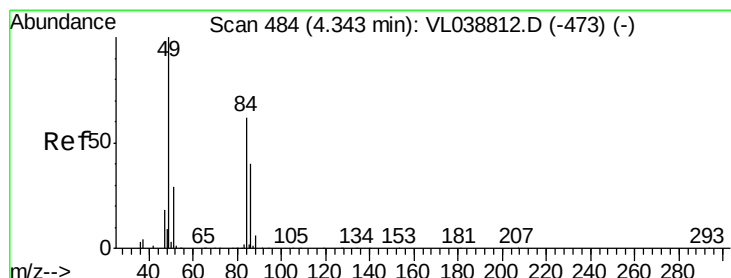
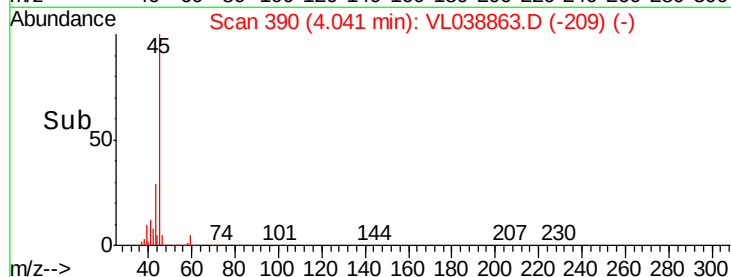
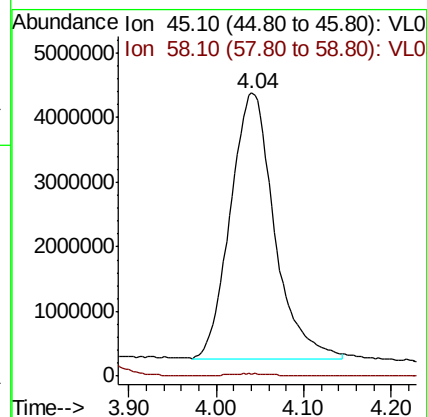
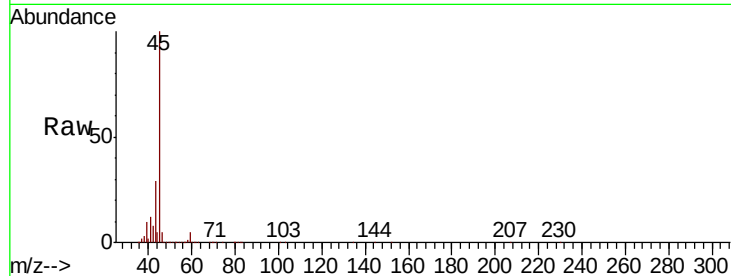
Acq: 8 Apr 2022 5:19

Tot Ion: 45 Resp: 14346967

Ion Ratio Lower Upper

45 100

58 1.1 0.0 0.0#



#20

Methylene Chloride

Concen: 4.551 ppbv

RT: 4.37 min Scan# 493

Delta R.T. 0.03 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

Tgt Ion: 84 Resp: 187246

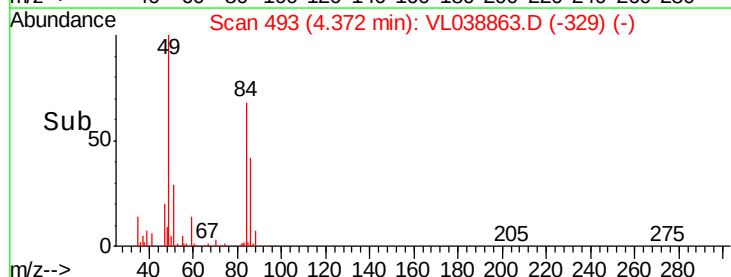
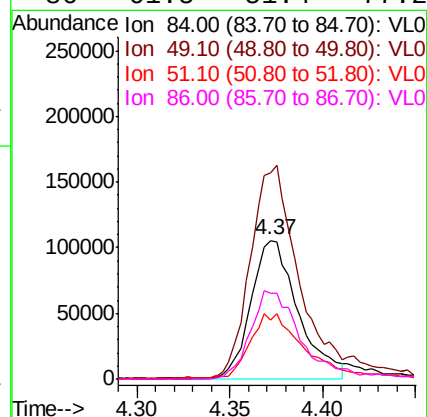
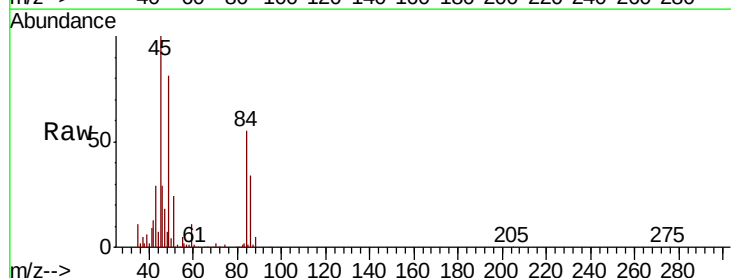
Ion Ratio Lower Upper

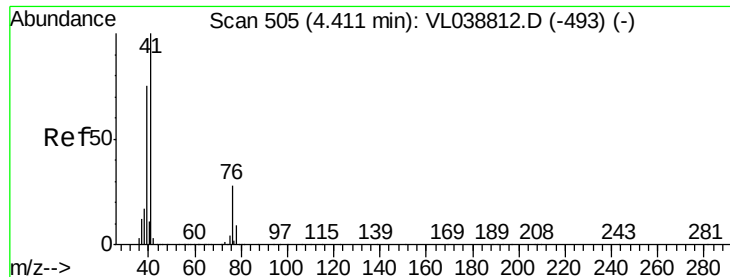
84 100

49 147.6 129.4 194.0

51 41.5 37.4 56.2

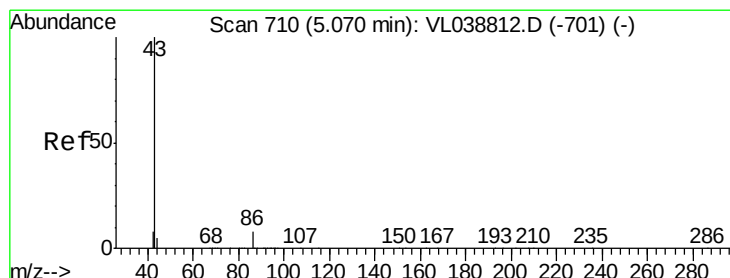
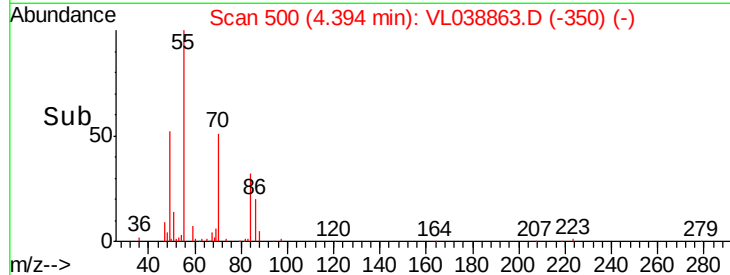
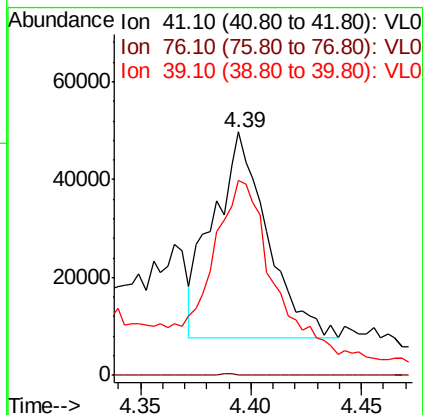
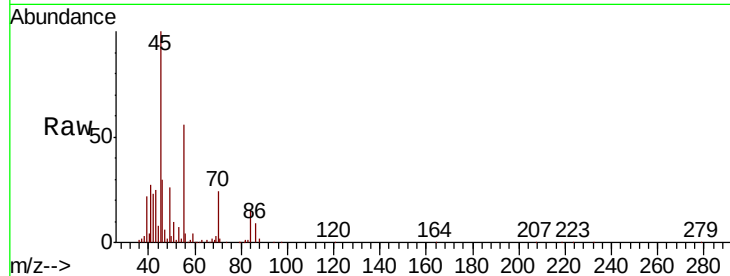
86 61.5 51.4 77.2





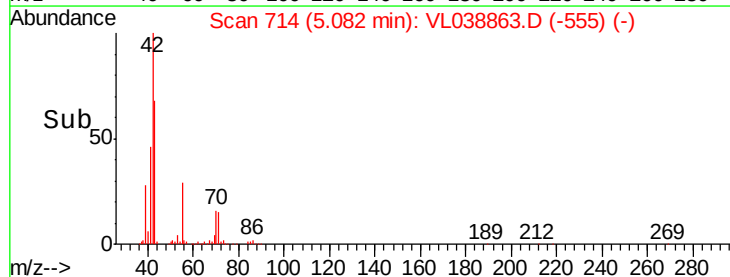
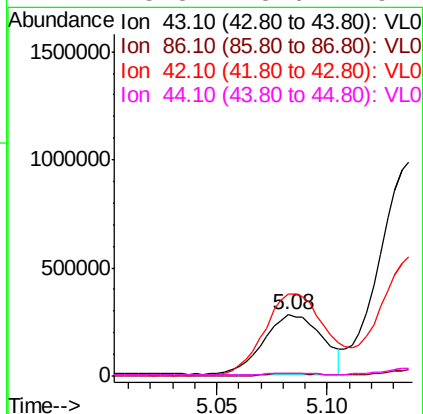
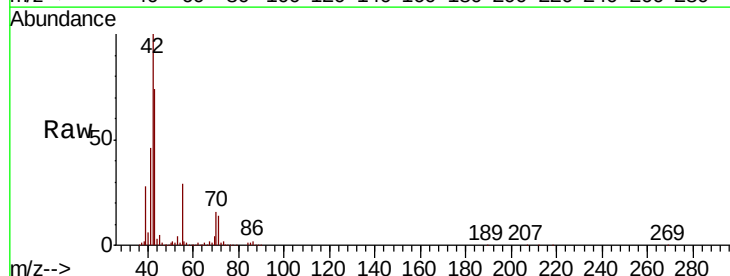
#21
 Allvl Chloride
 Concen: 0.835 ppbv
 RT: 4.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8-01-SG-3
 Acq: 8 Apr 2022 5:19

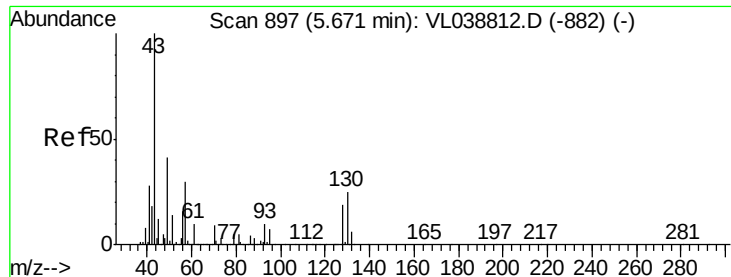
Tot Ion: 41 Resp: 70968
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.7 35.5#
 39 117.6 62.0 93.0#



#23
 Vinyl Acetate
 Concen: 4.652 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

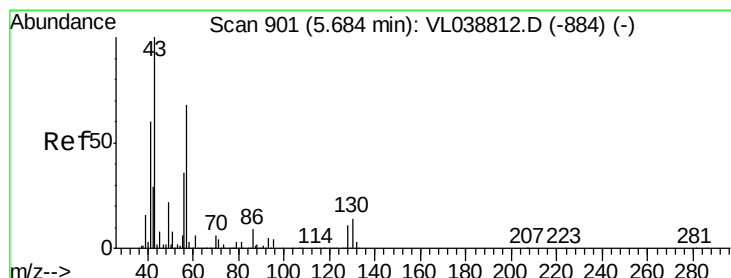
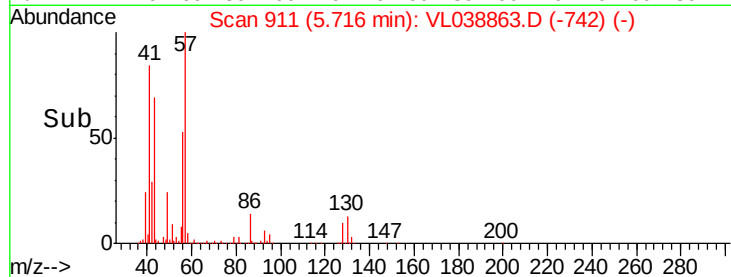
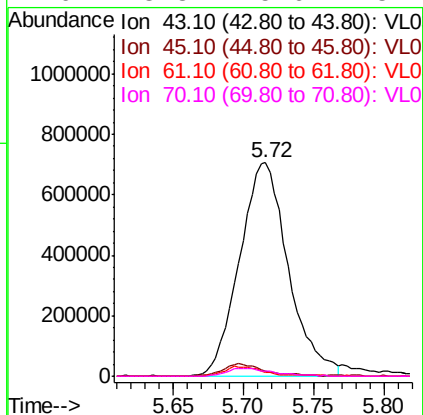
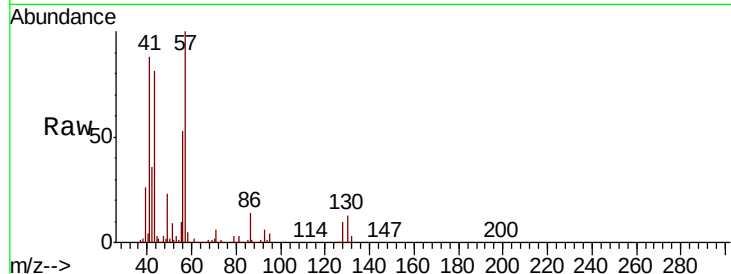
Tgt Ion: 43 Resp: 513991
 Ion Ratio Lower Upper
 43 100
 86 3.3 5.8 8.6#
 42 137.4 7.8 11.6#
 44 3.3 3.6 5.4#





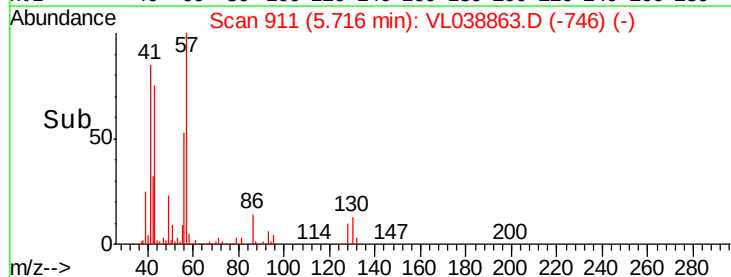
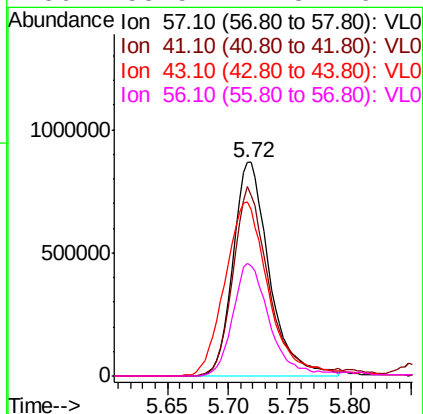
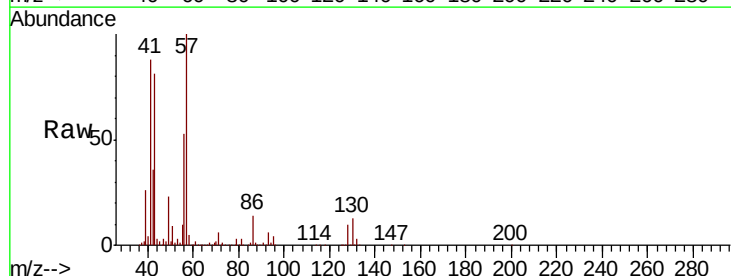
#25
Ethyl Acetate
Concen: 5.903 ppbv
RT: 5.72 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 5:19

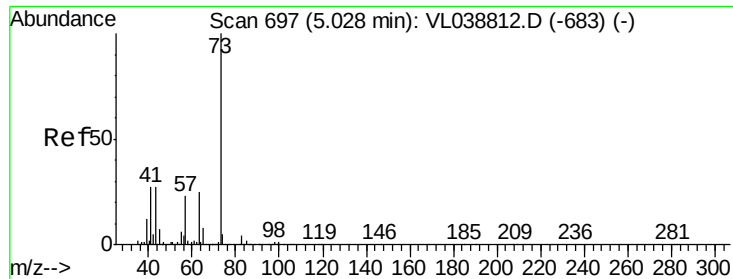
Tot Ion:	43	Resp:	1699259
Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.4	12.6#
61	4.1	7.9	11.9#
70	3.8	5.6	8.4#



#26
Hexane
Concen: 13.604 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.03 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

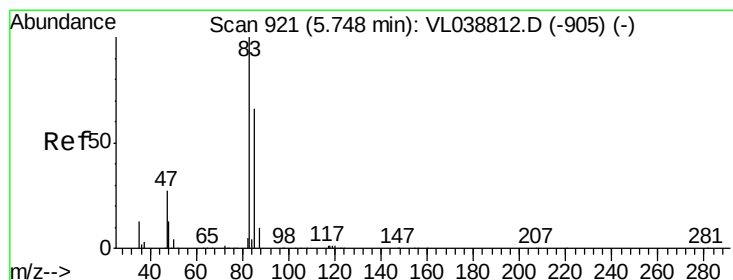
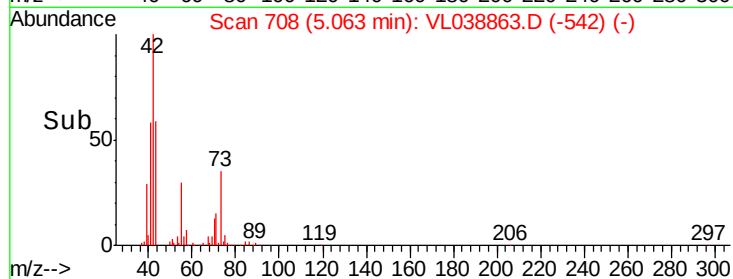
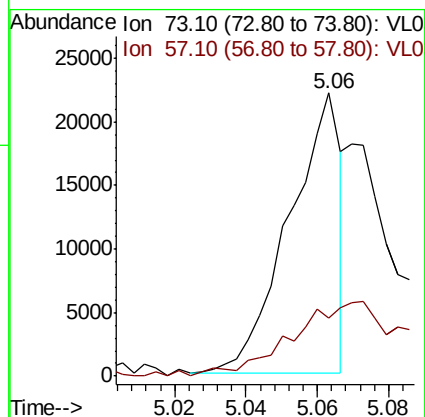
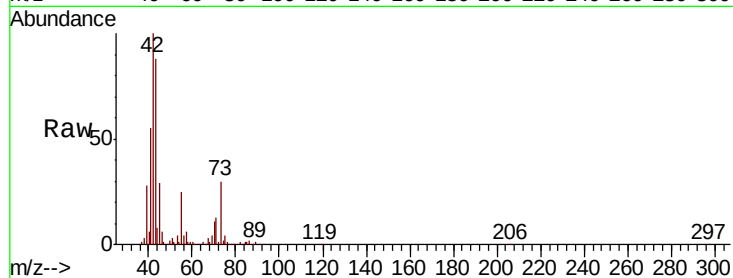
Tgt Ion:	57	Resp:	1782481
Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.0	108.0
43	99.6	186.6	280.0#
56	55.5	42.8	64.2





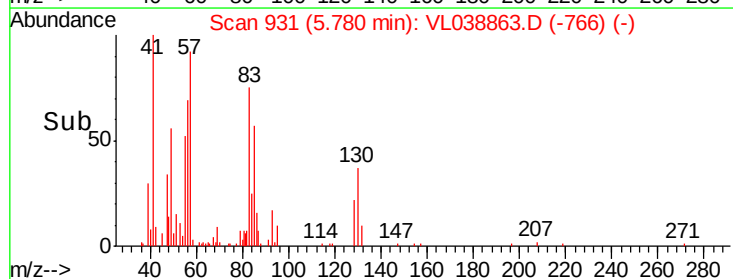
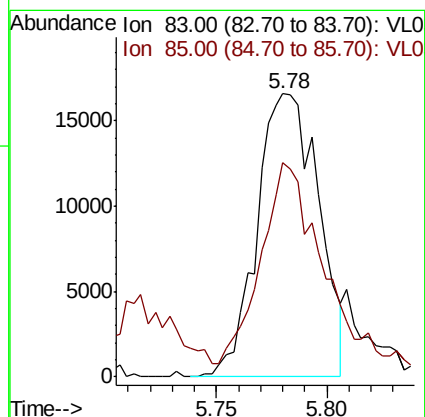
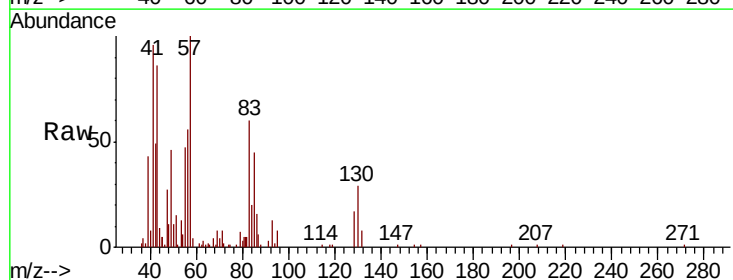
#28
Methyl tert-Butyl Ether
Concen: 0.218 ppbv
RT: 5.06
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 8 Apr 2022 5:19

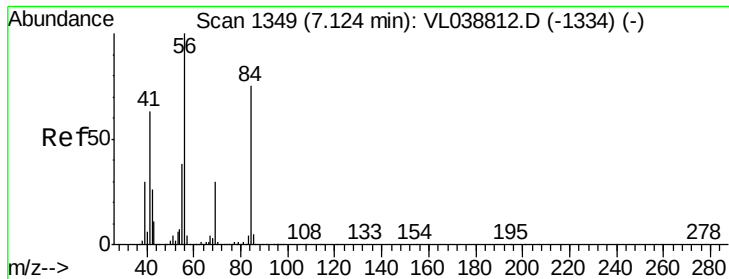
Tot Ion: 73 Resp: 22080
Ion Ratio Lower Upper
73 100
57 0.0 19.7 29.5#



#29
Chloroform
Concen: 0.175 ppbv
RT: 5.78 min Scan# 931
Delta R.T. 0.03 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

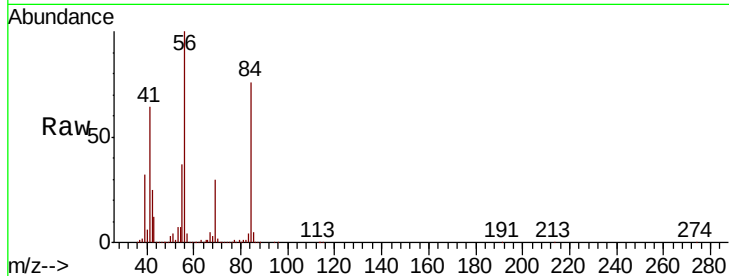
Tgt Ion: 83 Resp: 32043
Ion Ratio Lower Upper
83 100
85 65.8 52.5 78.7



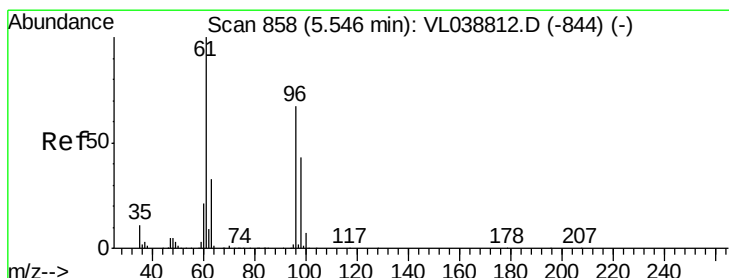
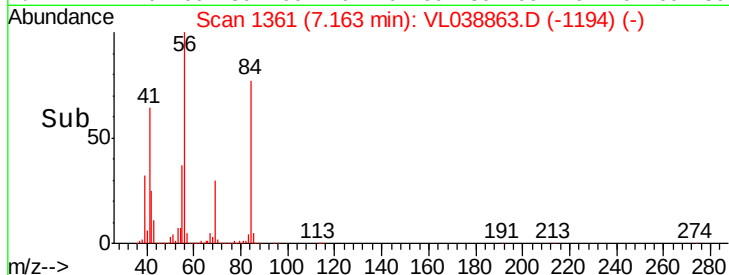
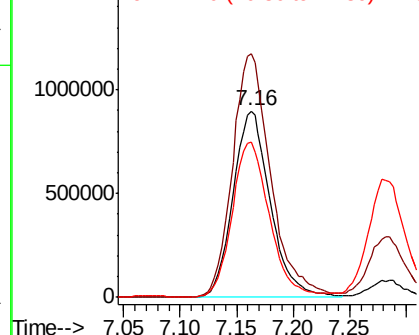


#30
Cvclohexane
Concen: 17.763 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 5:19

Tot Ion: 84 Resp: 2051247
Ion Ratio Lower Upper
84 100
56 134.6 114.4 171.6
41 83.7 69.0 103.4

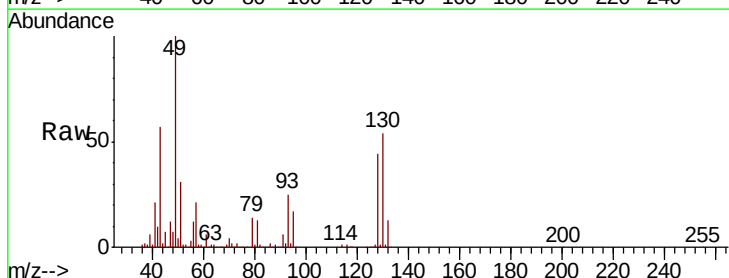


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

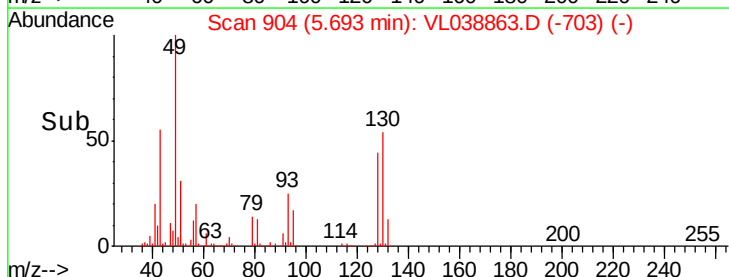
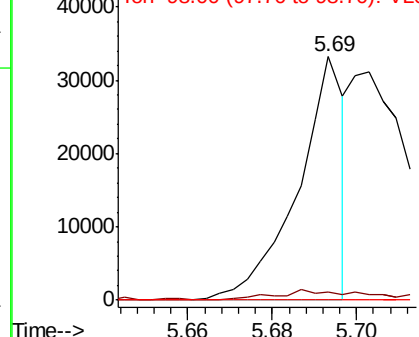


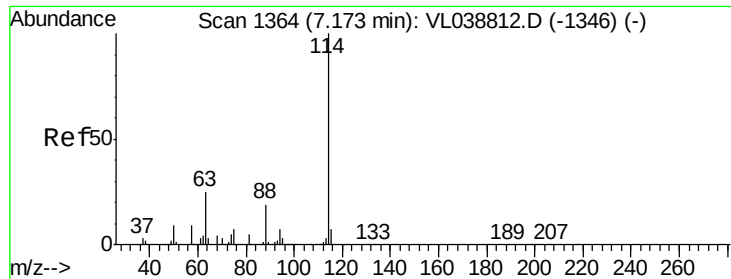
#31
cis-1,2-Dichloroethene
Concen: 0.210 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.15 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

Tgt Ion: 61 Resp: 25357
Ion Ratio Lower Upper
61 100
96 3.6 53.4 80.0#
98 0.0 34.2 51.4#



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

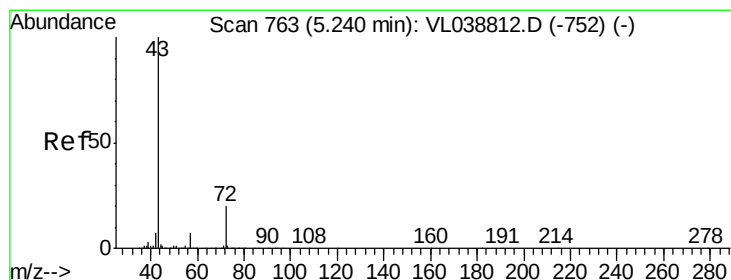
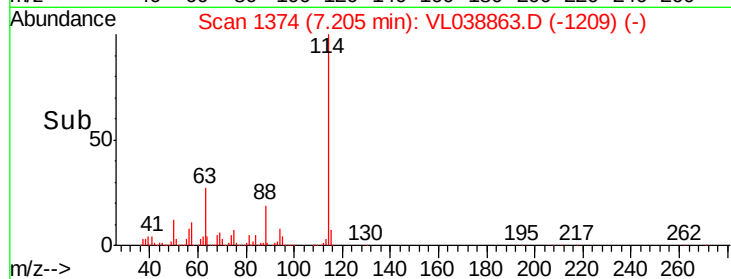
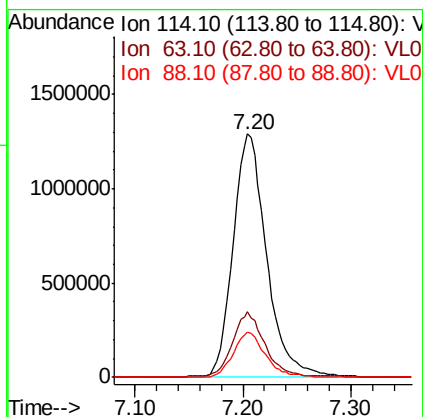
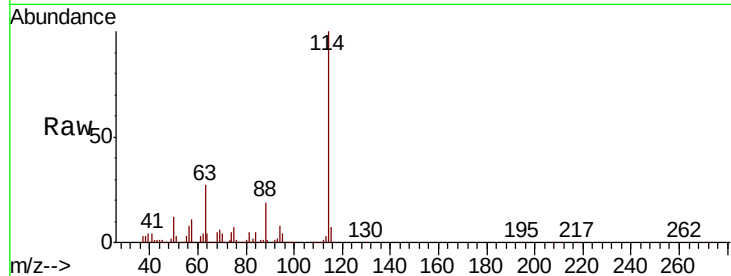




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 5:19

Tot Ion:114 Resp: 2795363

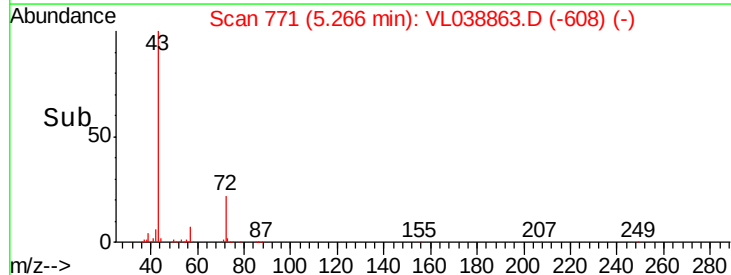
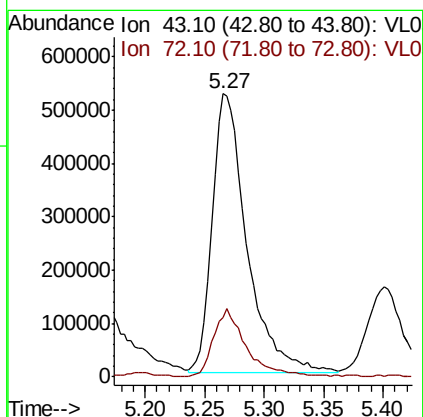
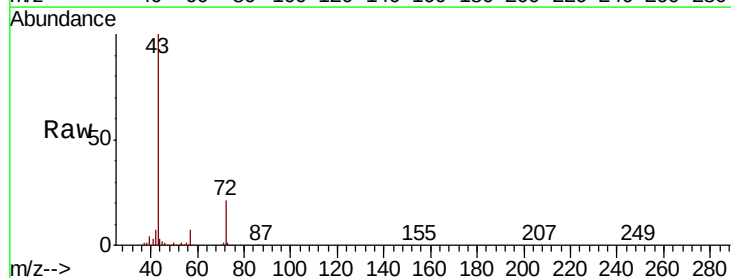
Ion	Ratio	Lower	Upper
114	100		
63	26.9	19.8	29.8
88	18.2	14.2	21.4

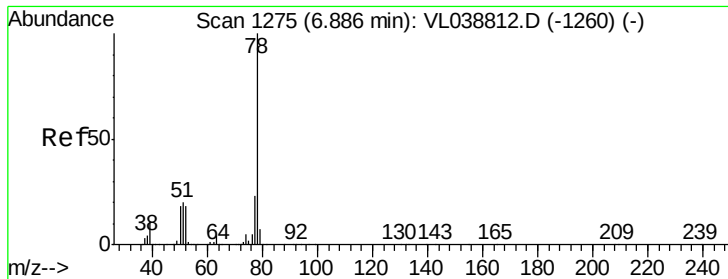


#34
 2-Butanone
 Concen: 9.575 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

Tgt Ion: 43 Resp: 1057598

Ion	Ratio	Lower	Upper
43	100		
72	23.7	16.9	25.3

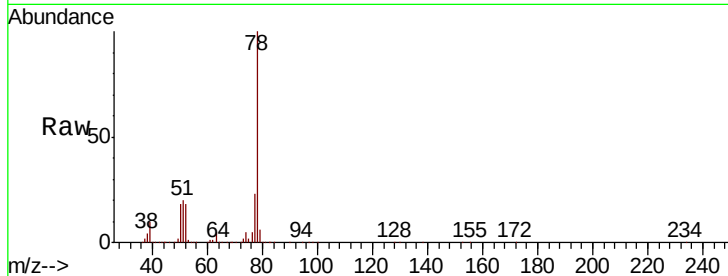




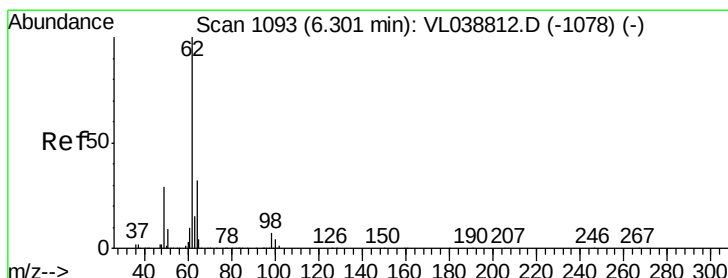
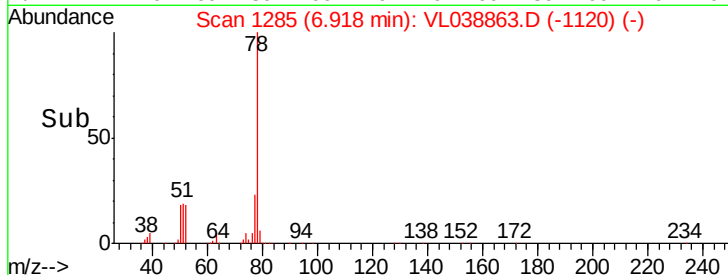
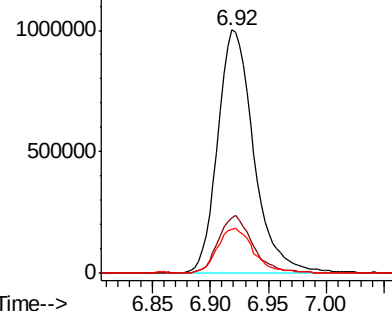
#36
Benzene
Concen: 8.502 ppbv
RT: 6.92
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 5:19

Tot Ion: 78 Resp: 2161962

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	18.0	14.0	21.0



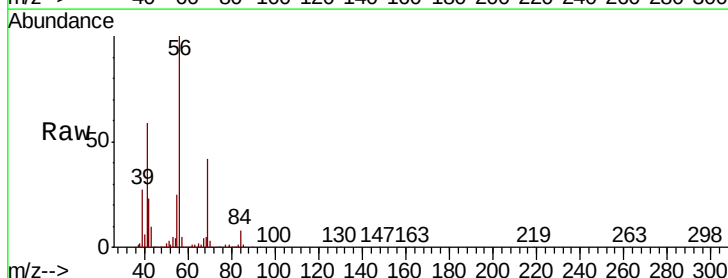
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



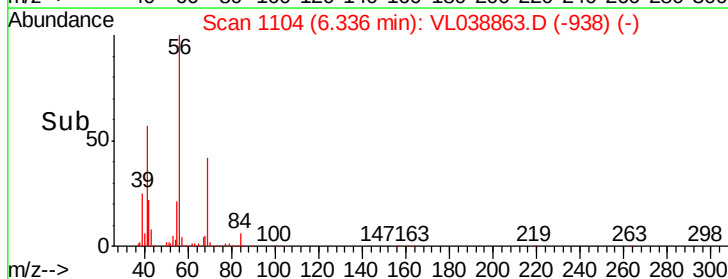
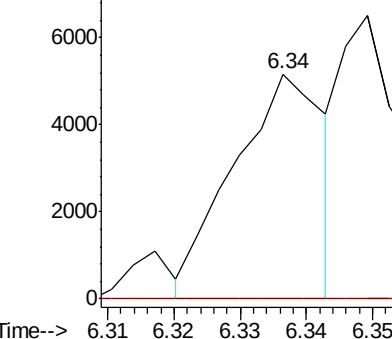
#37
1,2-Dichloroethane
Concen: 0.042 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.04 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

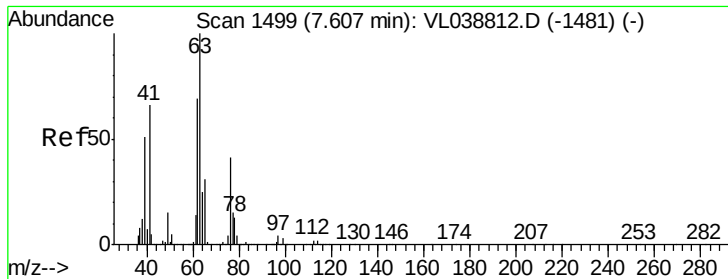
Tgt Ion: 62 Resp: 4882

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.9	8.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 0.112 ppbv

RT: 7.90 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Apr 2022 5:19 1161-8-01-SG-3

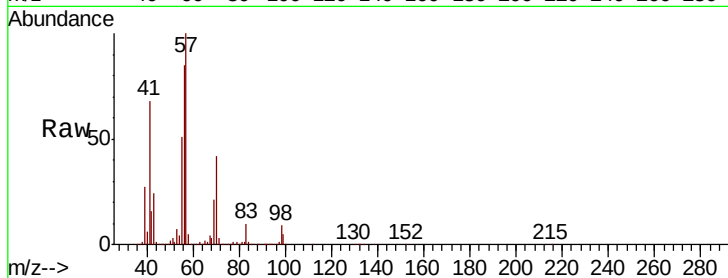
Tot Ion: 63 Resp: 10920

Ion Ratio Lower Upper

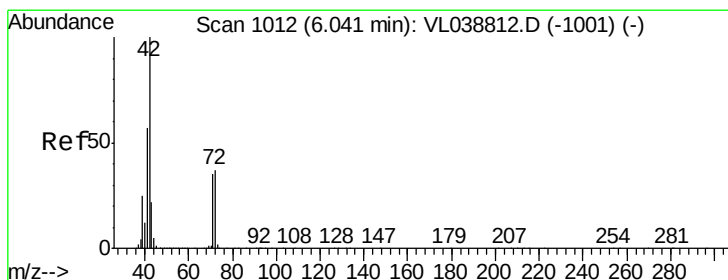
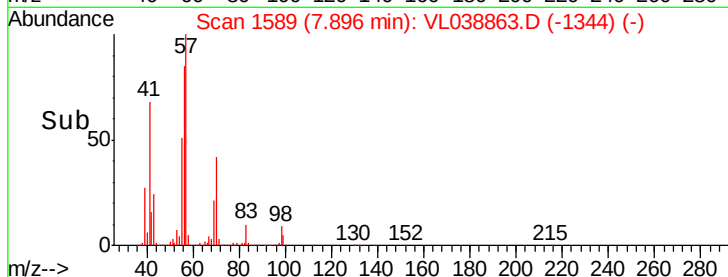
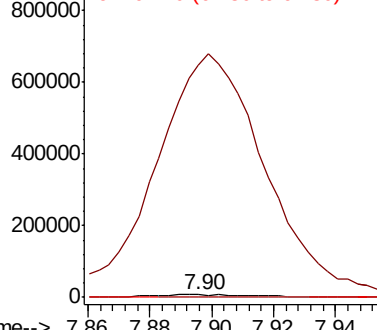
63 100

41 7110.8 53.0 79.6#

62 13.8 55.0 82.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 7.867 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.04 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

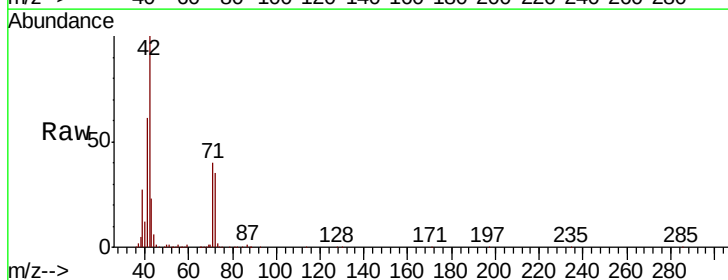
Tgt Ion: 42 Resp: 825277

Ion Ratio Lower Upper

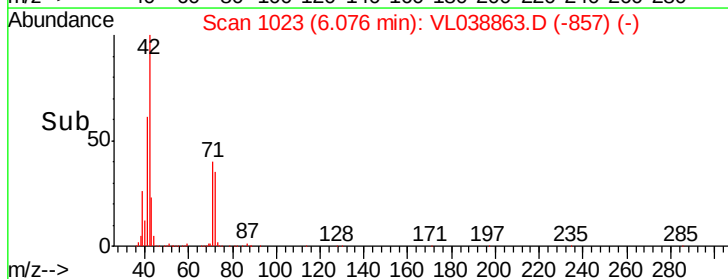
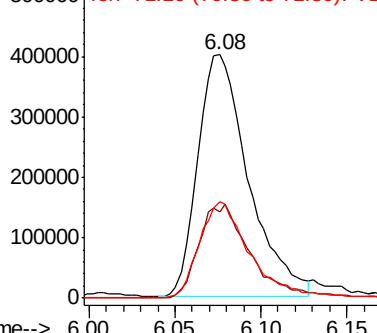
42 100

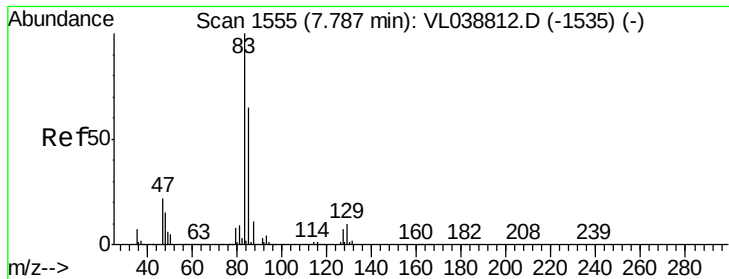
72 40.2 31.4 47.0

71 40.0 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.880 ppbv

RT: 7.82 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Apr 2022 5:19

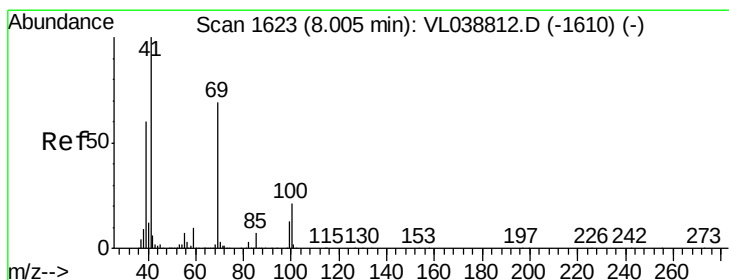
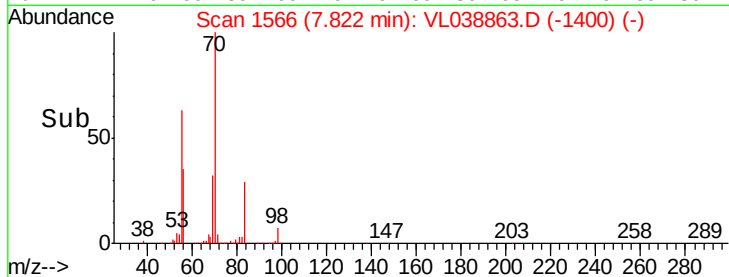
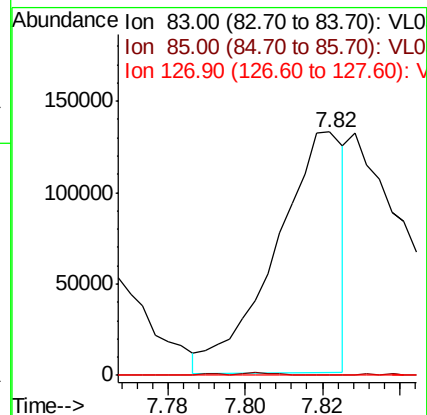
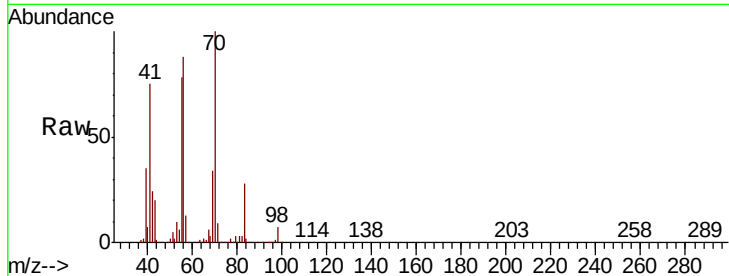
Tot Ion: 83 Resp: 161639

Ion Ratio Lower Upper

83 100

85 0.0 51.7 77.5#

127 0.0 5.9 8.9#



#43

Methyl Methacrylate

Concen: 0.593 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.04 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

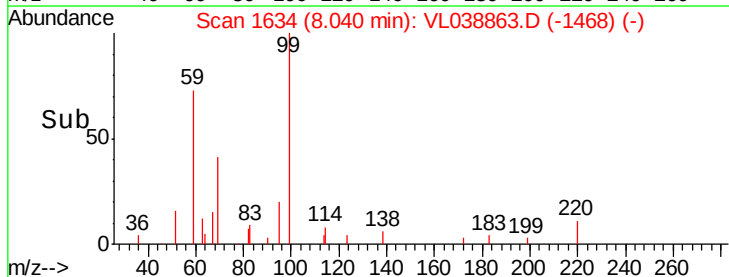
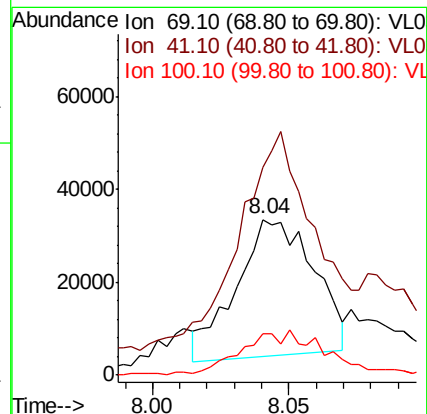
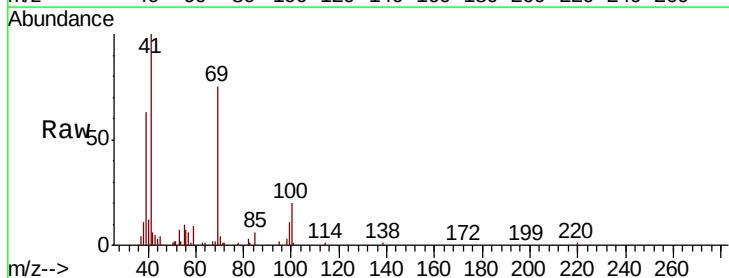
Tgt Ion: 69 Resp: 57732

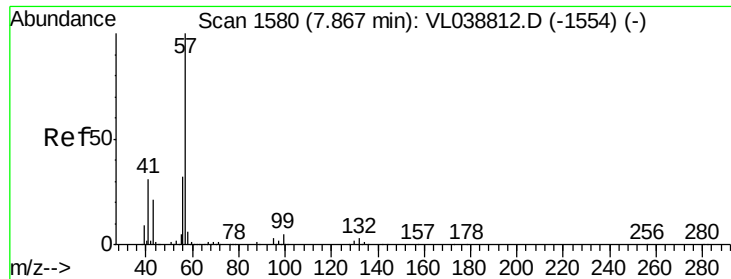
Ion Ratio Lower Upper

69 100

41 243.0 119.0 178.4#

100 33.9 26.4 39.6

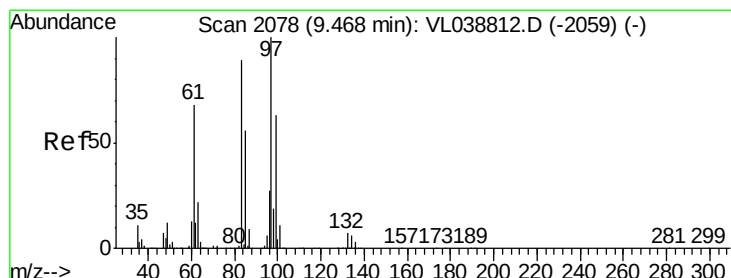
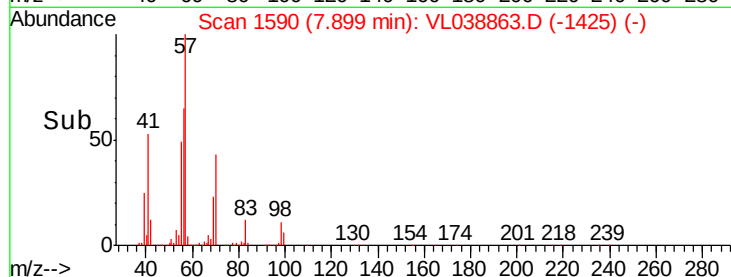
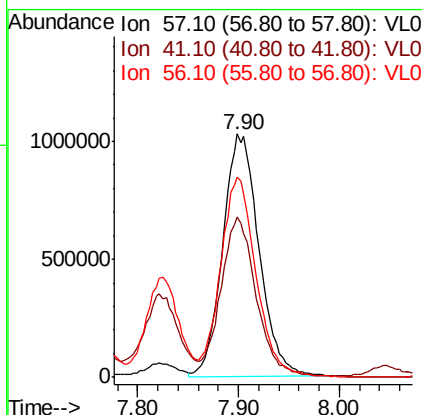
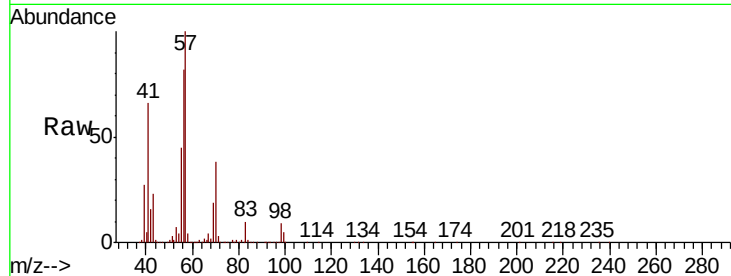




#44
 2,2,4-Trimethylpentane
 Concen: 5.984 ppbv
 RT: 7.90 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 5:19

Tot Ion: 57 Resp: 2576562

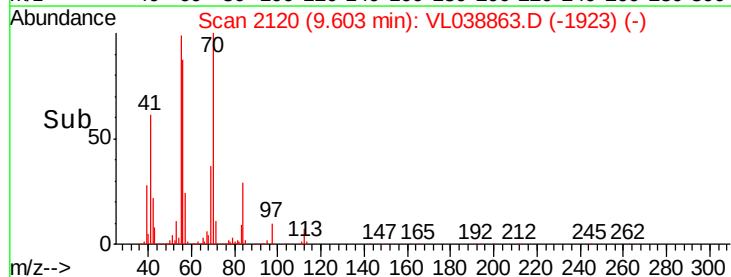
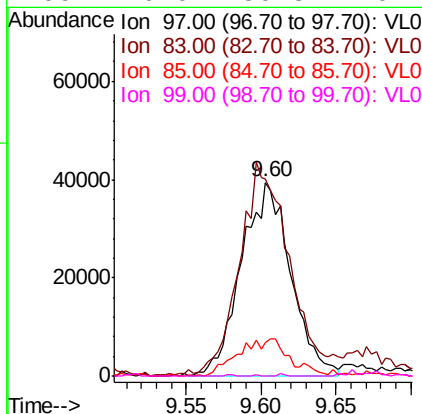
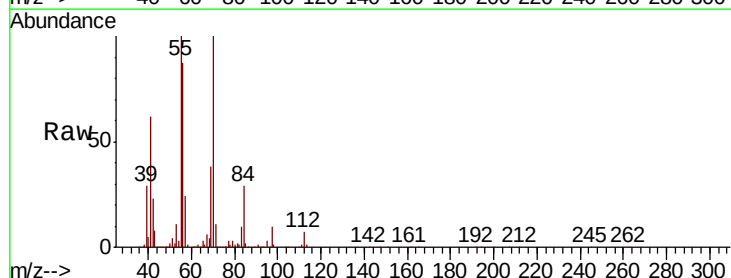
Ion	Ratio	Lower	Upper
57	100		
41	64.1	25.0	37.4#
56	80.1	25.3	37.9#

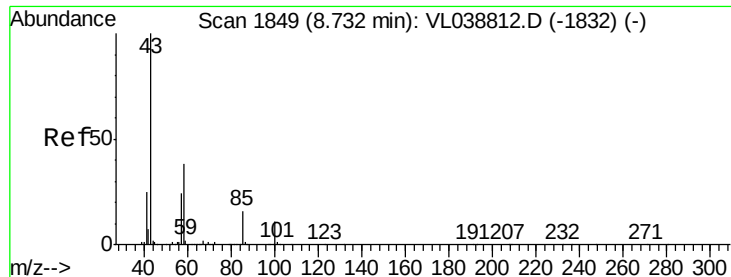


#47
 1,1,2-Trichloroethane
 Concen: 0.910 ppbv
 RT: 9.60 min Scan# 2120
 Delta R.T. 0.13 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

Tgt Ion: 97 Resp: 90719

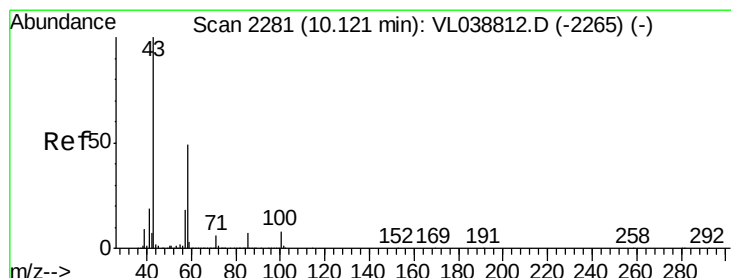
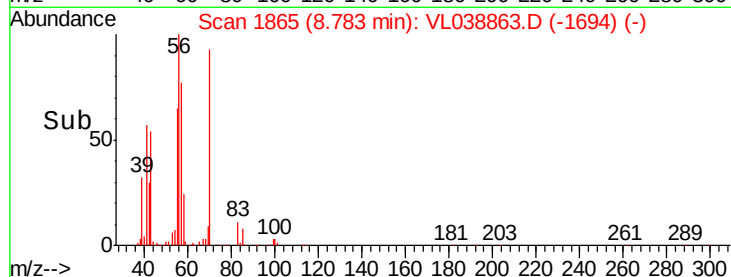
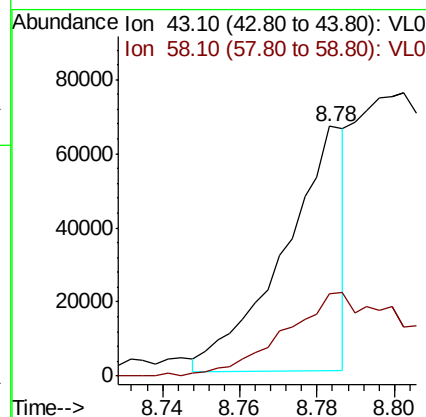
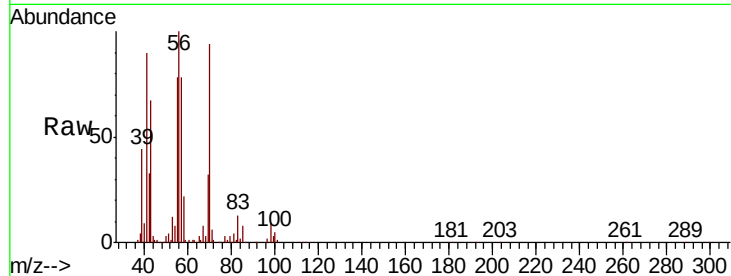
Ion	Ratio	Lower	Upper
97	100		
83	99.0	71.1	106.7
85	16.6	45.1	67.7#
99	0.0	50.8	76.2#





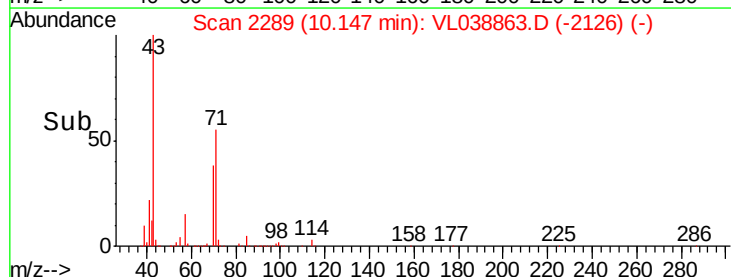
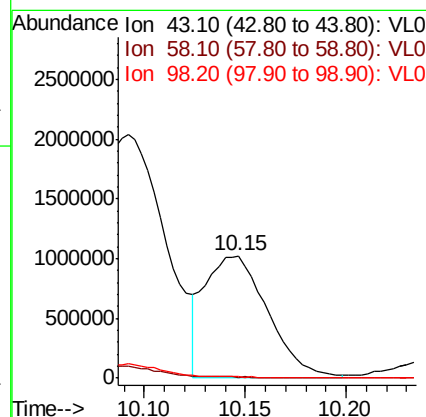
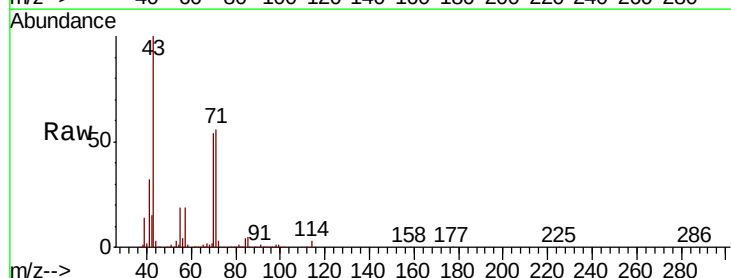
#50
 4-Methyl-2-Pentanone
 Concen: 0.292 ppbv
 RT: 8.78
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 5:19

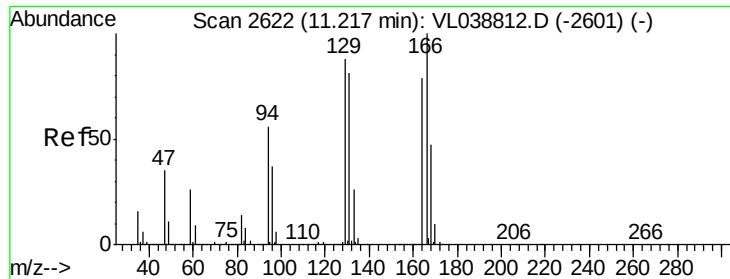
Tot Ion: 43 Resp: 72444
 Ion Ratio Lower Upper
 43 100
 58 75.1 29.0 43.6#



#51
 2-Hexanone
 Concen: 11.764 ppbv
 RT: 10.15 min Scan# 2289
 Delta R.T. 0.03 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

Tgt Ion: 43 Resp: 2202303
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.4 62.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.822 ppbv

RT: 11.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Apr 2022 5:19

Tot Ion:164 Resp: 73050

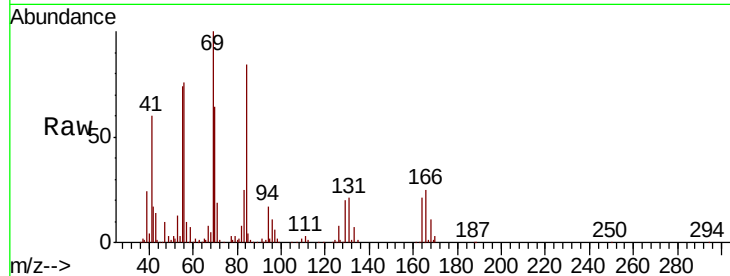
Ion Ratio Lower Upper

164 100

166 120.7 101.0 151.6

129 97.5 88.7 133.1

131 99.3 81.8 122.6



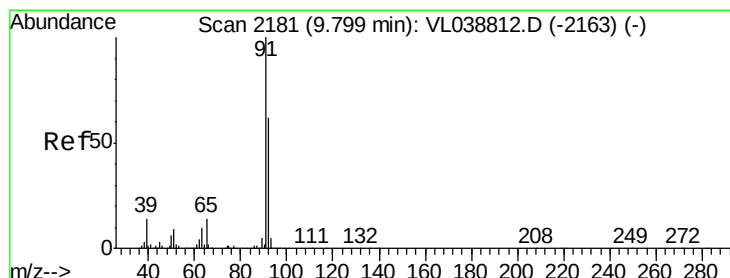
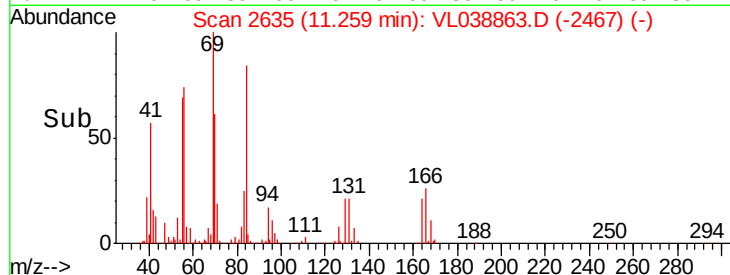
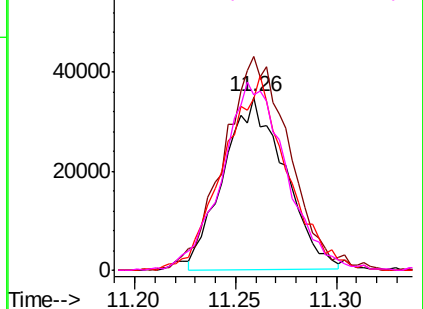
Abundance

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



#53

Toluene

Concen: 43.710 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.04 min

Lab File: VL038863.D

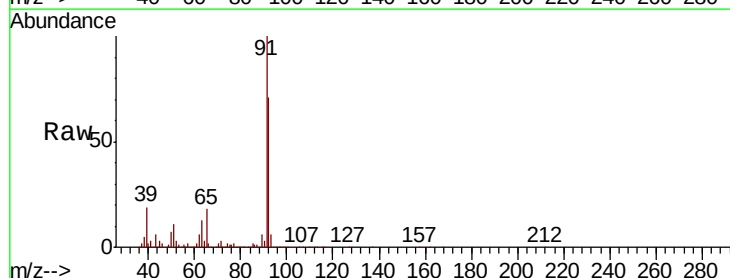
Acq: 8 Apr 2022 5:19

Tgt Ion: 91 Resp:12831386

Ion Ratio Lower Upper

91 100

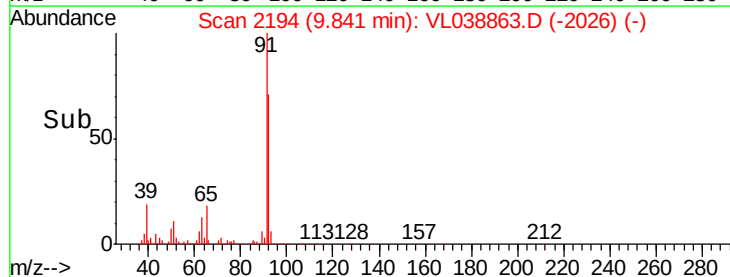
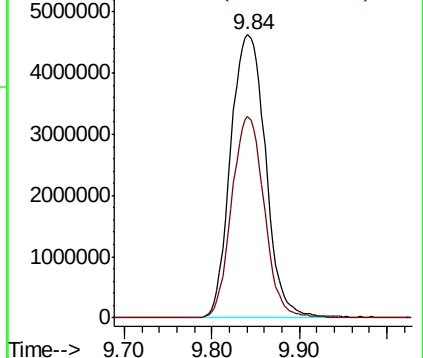
92 66.6 49.2 73.8

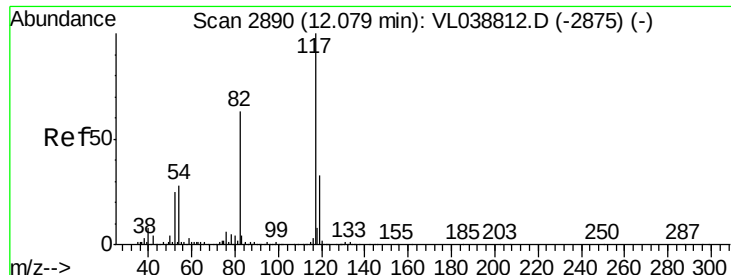


Abundance

Ion 91.10 (90.80 to 91.80): VL0

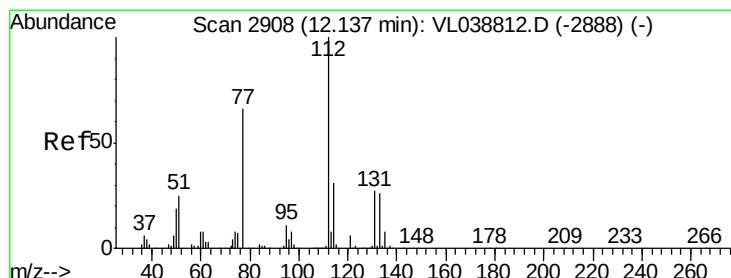
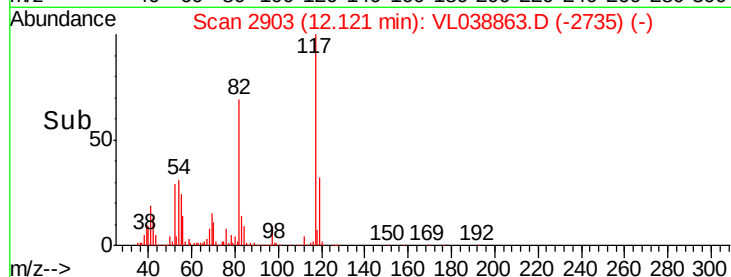
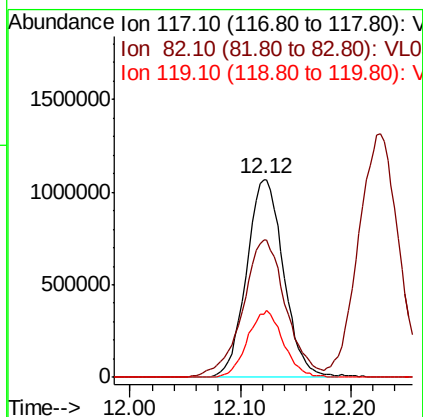
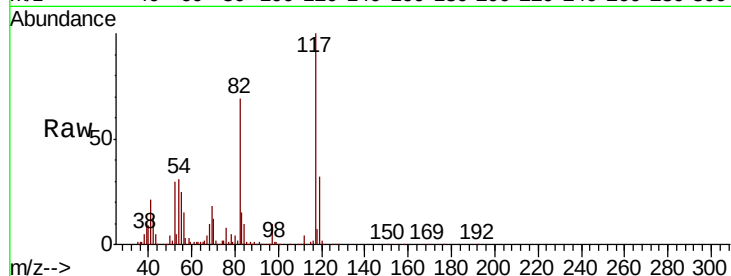
Ion 92.10 (91.80 to 92.80): VL0





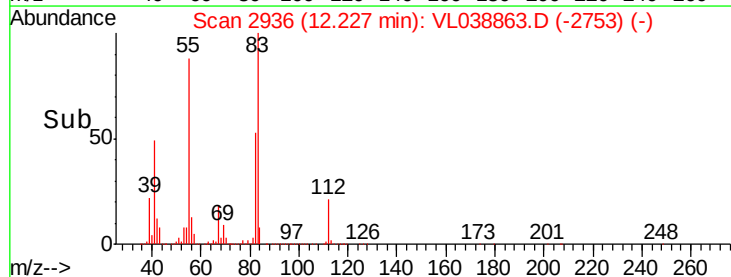
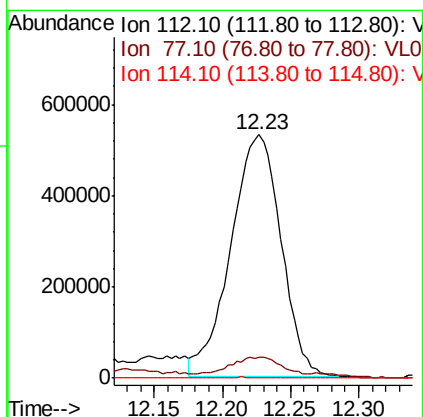
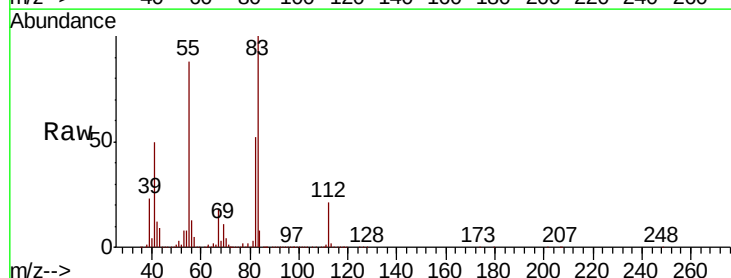
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 5:19

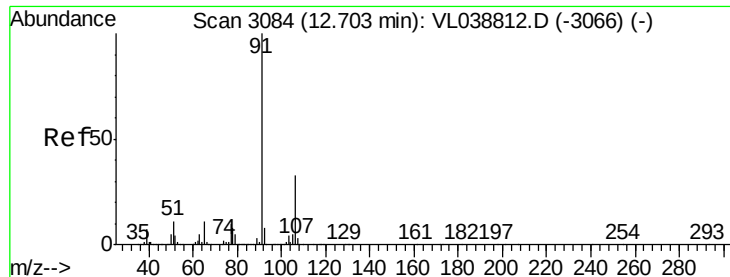
Tot Ion:117 Resp: 2489967
Ion Ratio Lower Upper
117 100
82 80.3 53.0 79.6#
119 32.9 24.9 37.3



#57
Chlorobenzene
Concen: 6.694 ppbv
RT: 12.23 min Scan# 2936
Delta R.T.: 0.09 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

Tgt Ion:112 Resp: 1365094
Ion Ratio Lower Upper
112 100
77 7.2 52.4 78.6#
114 0.3 28.1 34.3#





#58

Ethyl Benzene

Concen: 29.999 ppbv

RT: 12.75

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

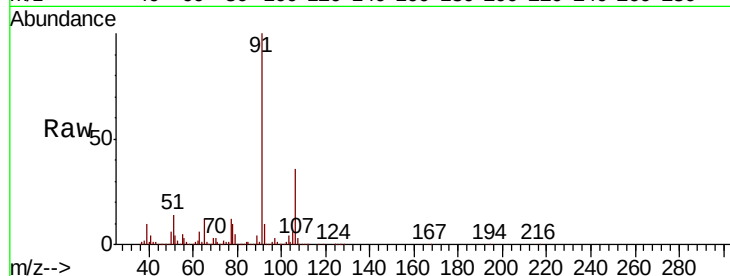
Acq: 8 Apr 2022 5:19

Tot Ion: 91 Resp:11161616

Ion Ratio Lower Upper

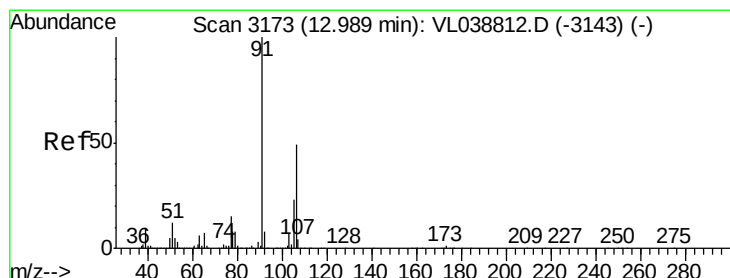
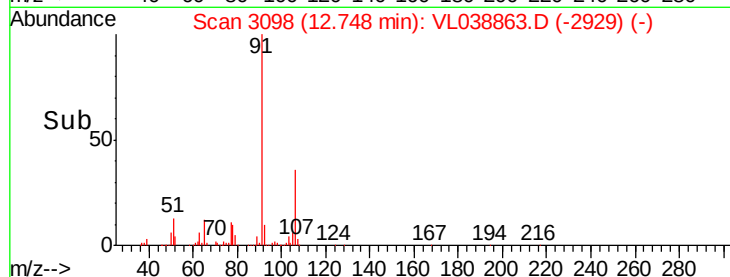
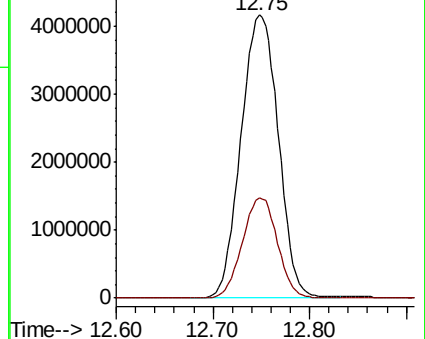
91 100

106 35.5 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 62.176 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.02 min

Lab File: VL038863.D

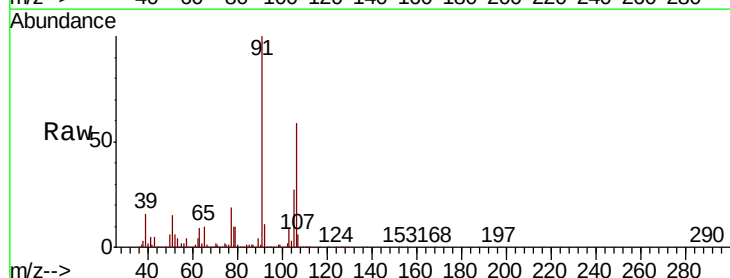
Acq: 8 Apr 2022 5:19

Tgt Ion: 91 Resp:19435734

Ion Ratio Lower Upper

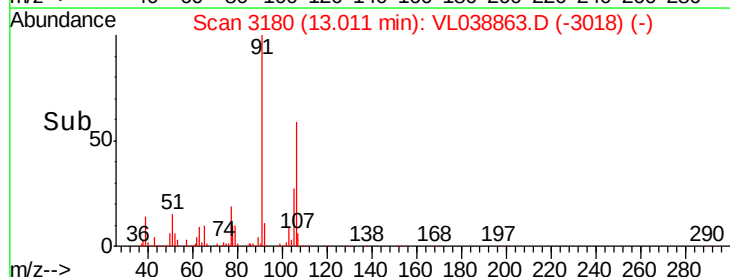
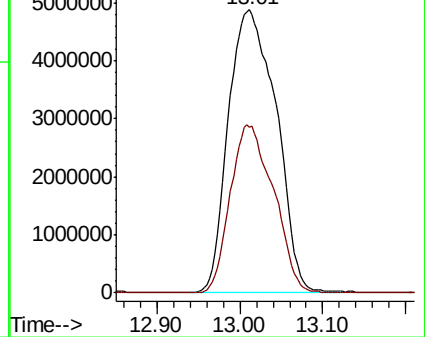
91 100

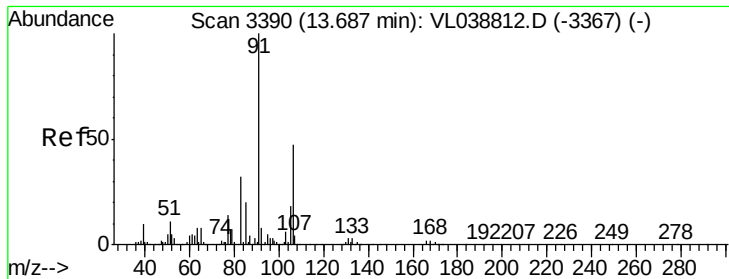
106 54.1 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

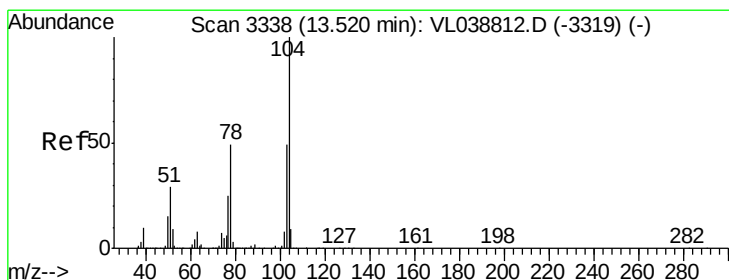
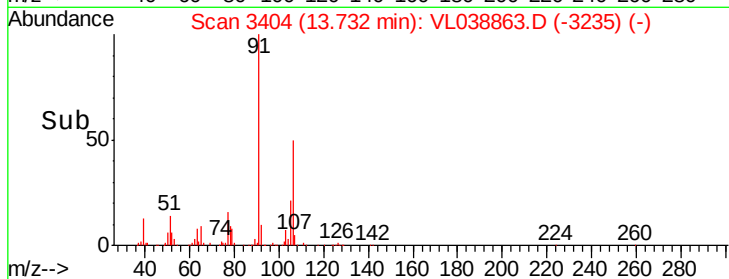
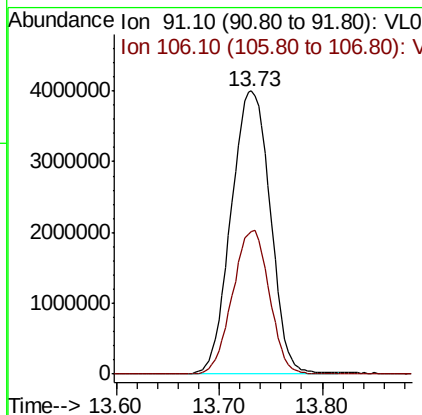
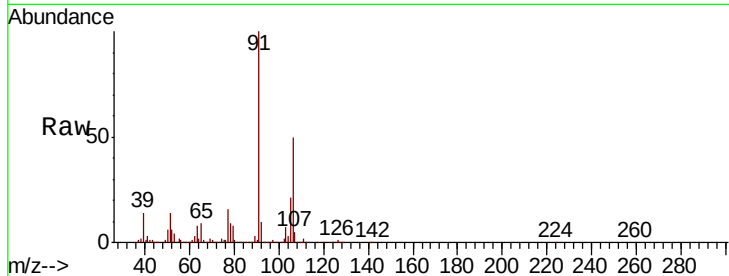
Ion 106.10 (105.80 to 106.80): V





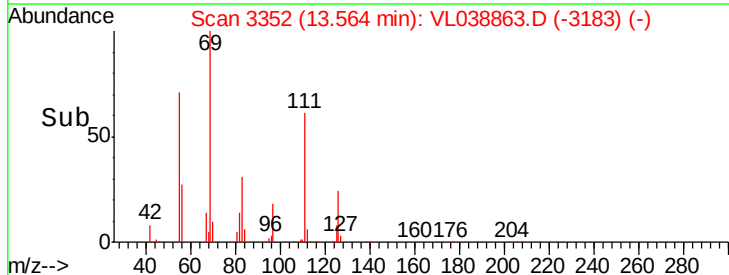
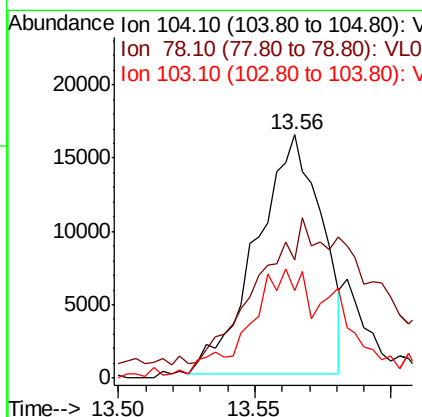
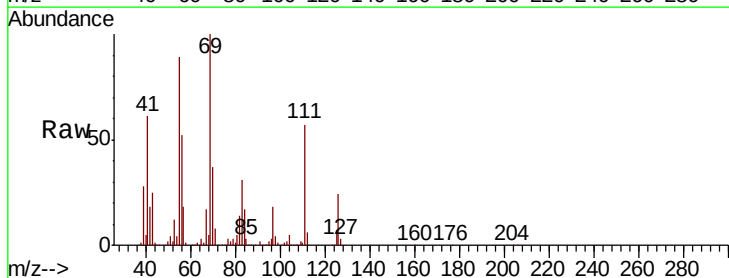
#60
o-Xylene
Concen: 35.949 ppbv
RT: 13.73
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 5:19

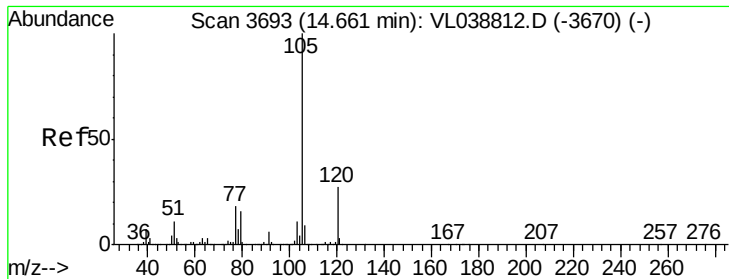
Tot Ion: 91 Resp: 10515148
Ion Ratio Lower Upper
91 100
106 47.9 23.8 71.4



#61
Styrene
Concen: 0.152 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.04 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

Tgt Ion: 104 Resp: 27057
Ion Ratio Lower Upper
104 100
78 111.6 40.5 60.7#
103 0.0 39.0 58.4#





#62

Isopropylbenzene

Concen: 5.067 ppbv

RT: 14.70 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

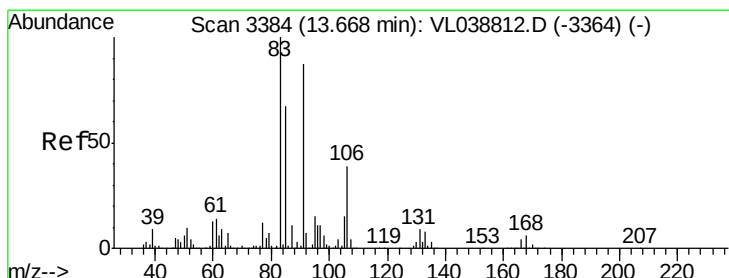
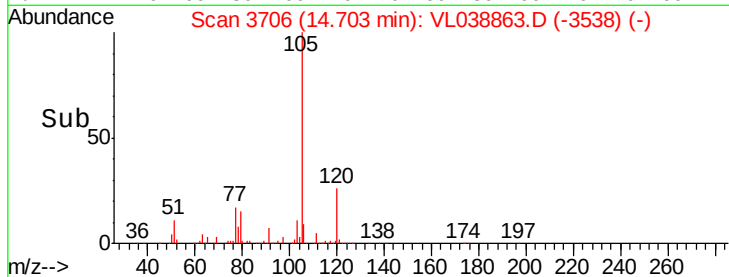
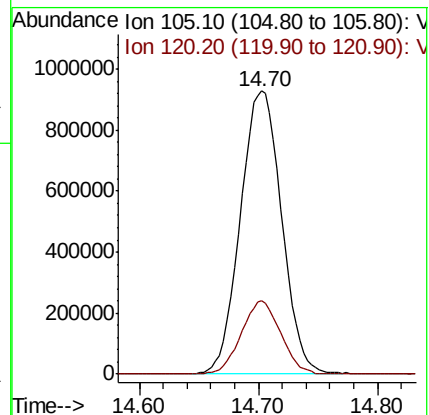
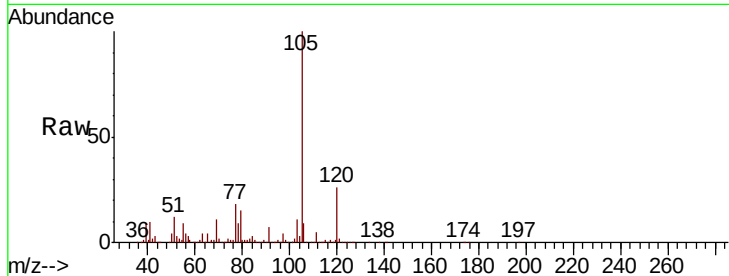
Acq: 8 Apr 2022 5:19

Tot Ion: 105 Resp: 2224410

Ion Ratio Lower Upper

105 100

120 24.9 21.8 32.8



#63

1,1,2,2-Tetrachloroethane

Concen: 0.271 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.03 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

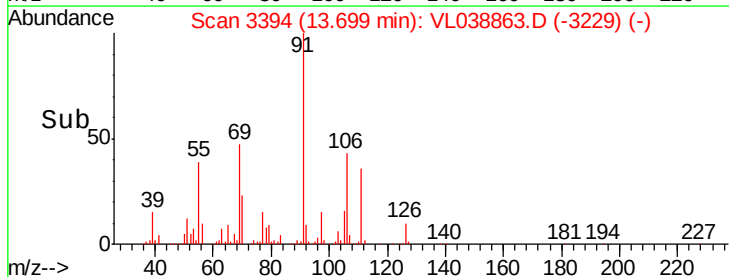
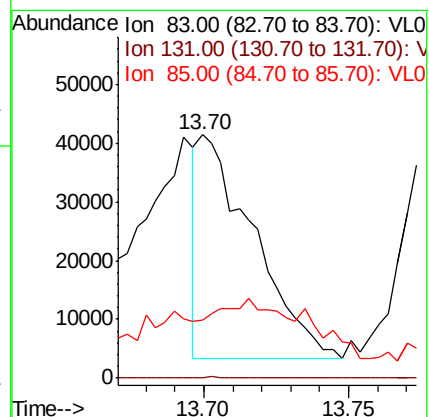
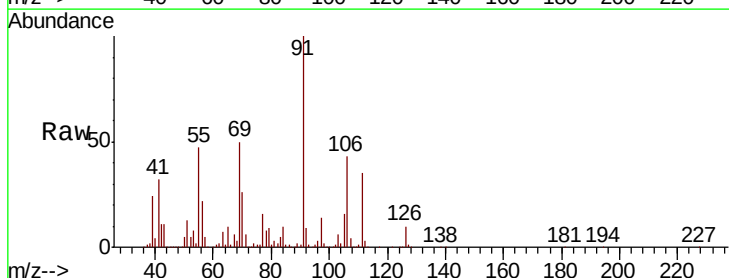
Tgt Ion: 83 Resp: 50187

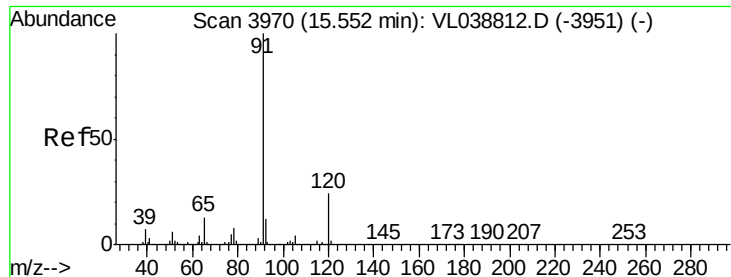
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 33.0 99.0#





#64

n-propylbenzene

Concen: 12.648 ppbv

RT: 15.60

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

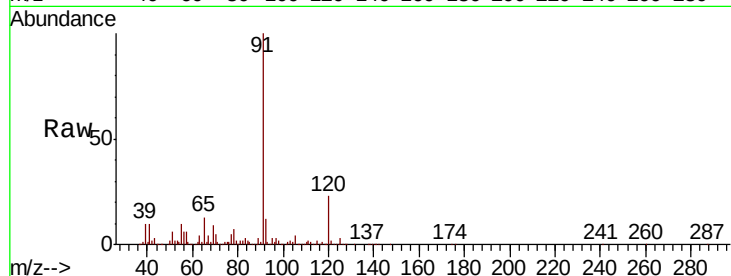
Acq: 8 Apr 2022 5:19

Tot Ion:120 Resp: 1441807

Ion Ratio Lower Upper

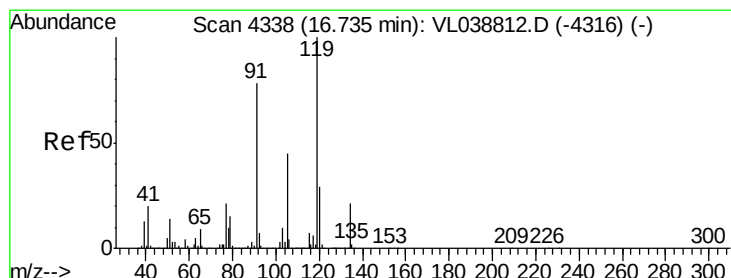
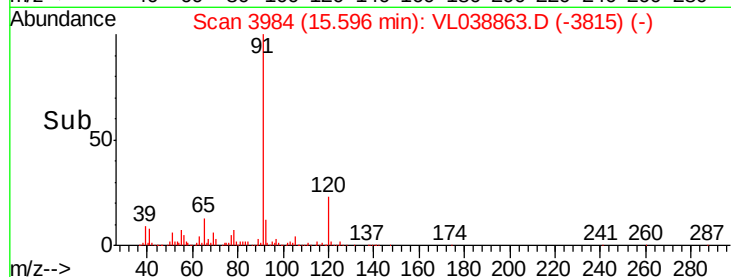
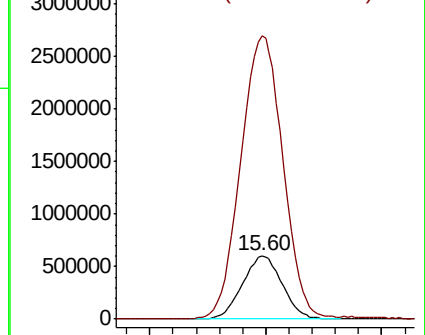
120 100

91 475.6 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 3.781 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.06 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

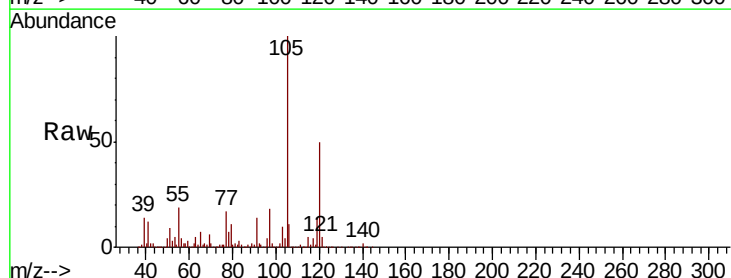
Tgt Ion:119 Resp: 1472622

Ion Ratio Lower Upper

119 100

91 102.7 62.8 94.2#

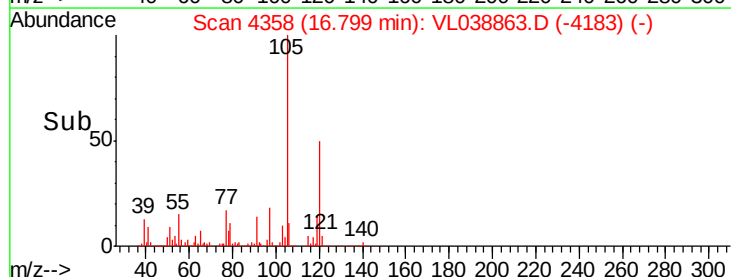
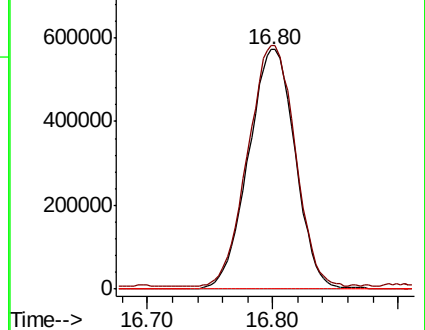
134 0.2 16.2 24.4#

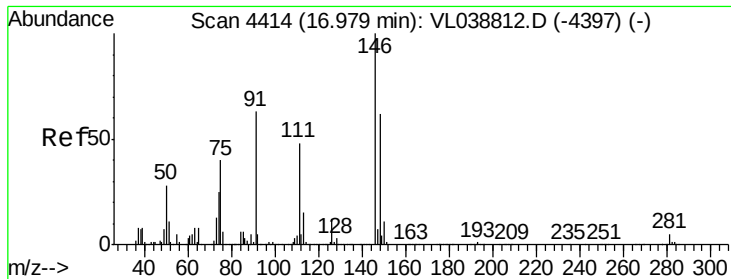


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

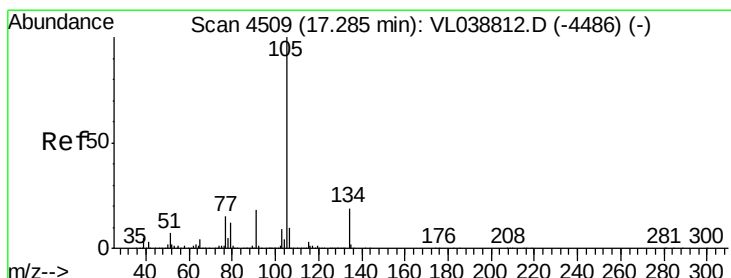
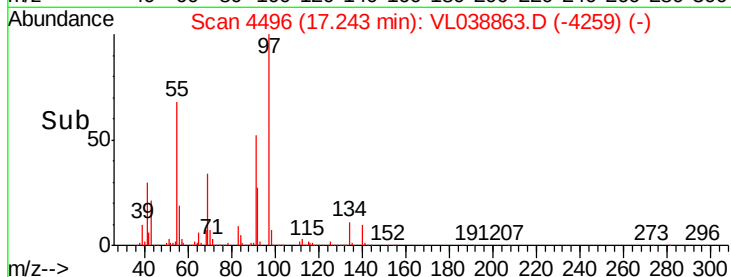
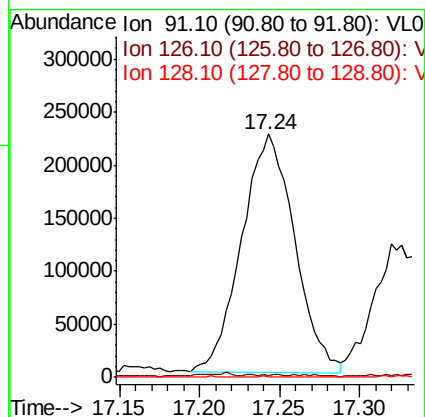
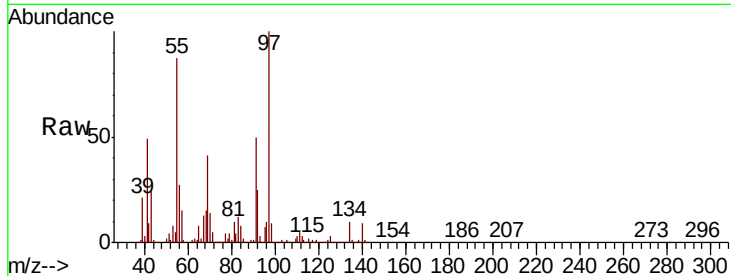
Ion 134.20 (133.90 to 134.90): V





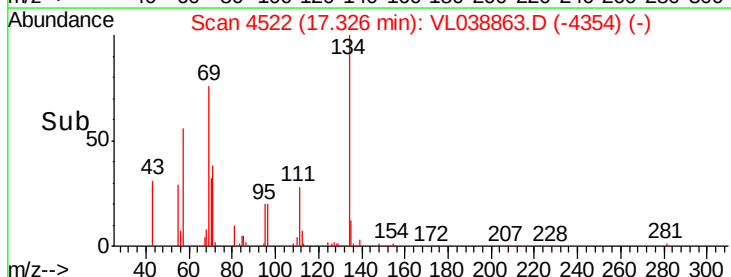
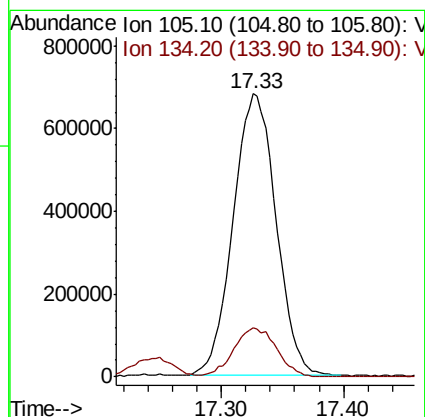
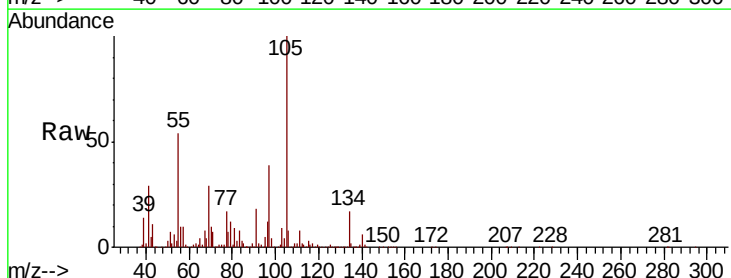
#66
Benzyl Chloride
Concen: 6.417 ppbv
RT: 17.24 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 5:19

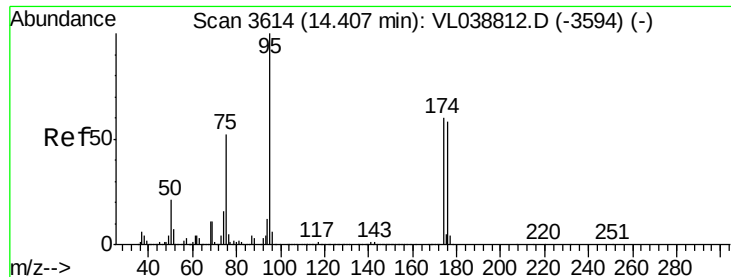
Tot Ion: 91 Resp: 508839
Ion Ratio Lower Upper
91 100
126 2.6 15.4 23.0#
128 0.3 4.7 7.1#



#67
sec-Butylbenzene
Concen: 3.021 ppbv
RT: 17.33 min Scan# 4522
Delta R.T.: 0.04 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

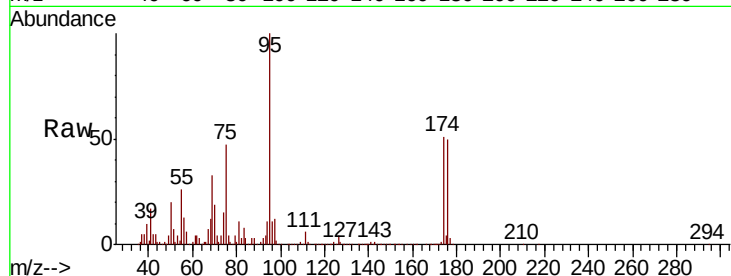
Tgt Ion: 105 Resp: 1651167
Ion Ratio Lower Upper
105 100
134 17.8 15.1 22.7



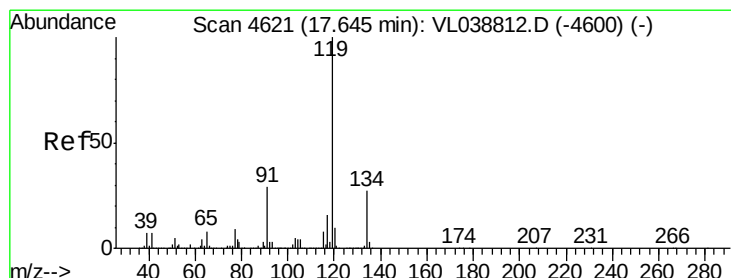
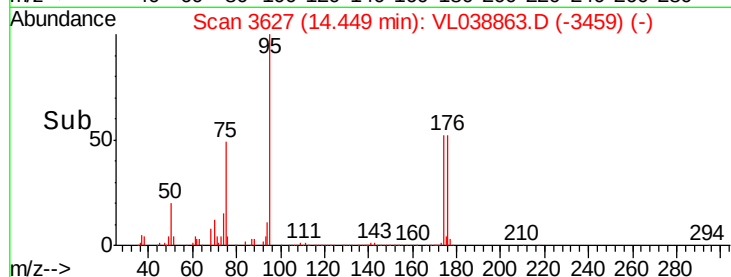
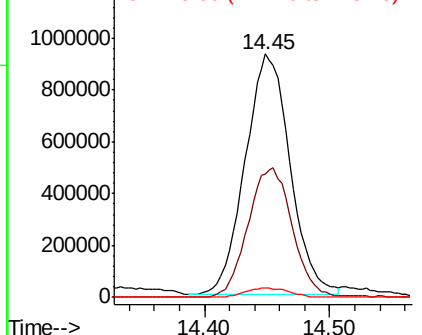


#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.209 ppbv
 RT: 14.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 5:19

Tot Ion: 95 Resp: 2306022
 Ion Ratio Lower Upper
 95 100
 174 53.8 52.0 78.0
 175 3.9 4.0 6.0#

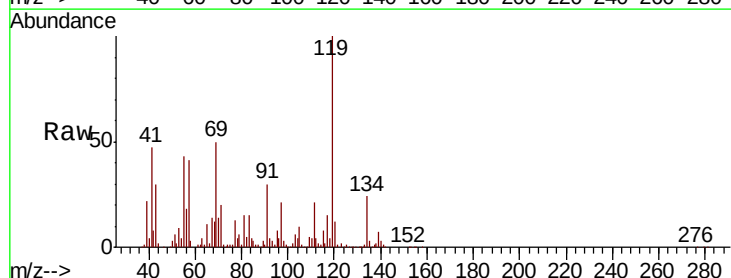


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

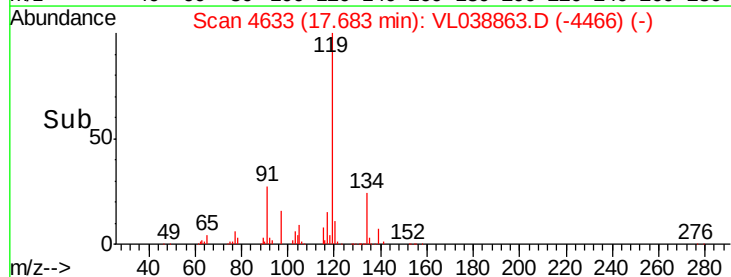
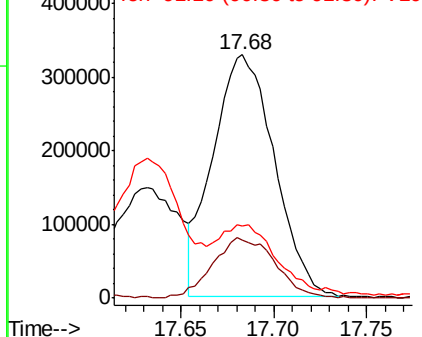


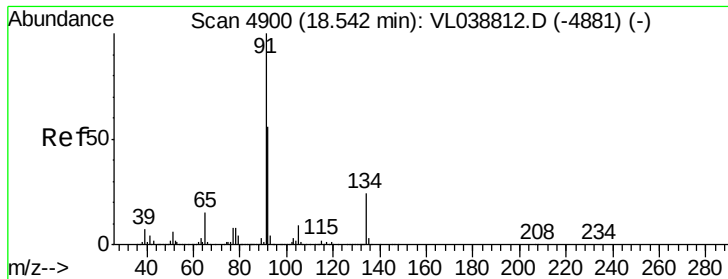
#69
 p-Isopropyltoluene
 Concen: 1.683 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.04 min
 Lab File: VL038863.D
 Acq: 8 Apr 2022 5:19

Tgt Ion: 119 Resp: 755259
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.8 31.2
 91 27.3 22.6 34.0



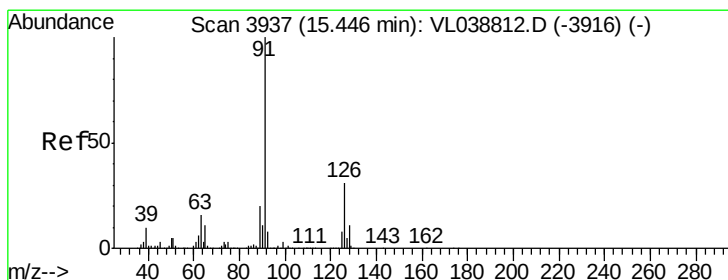
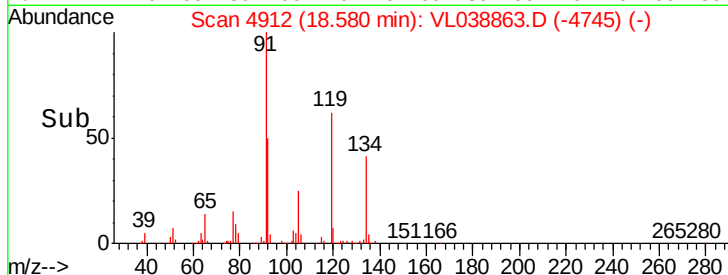
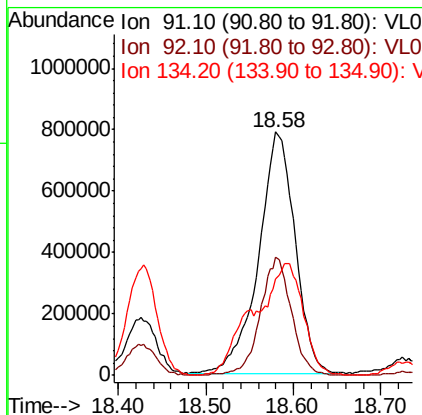
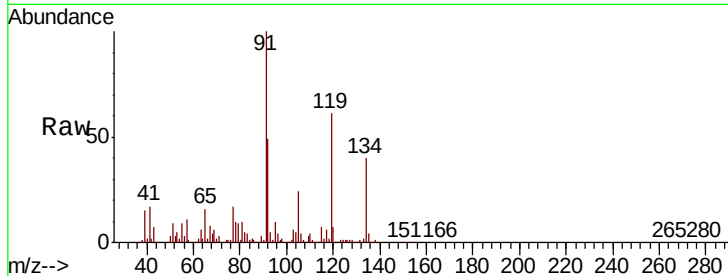
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





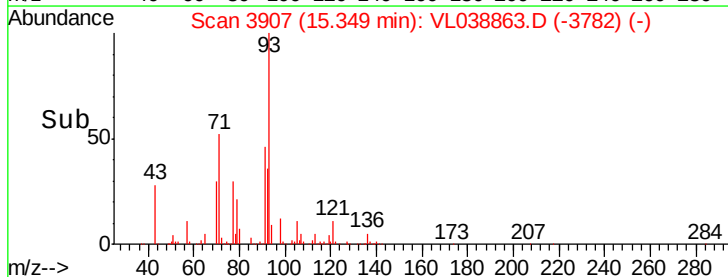
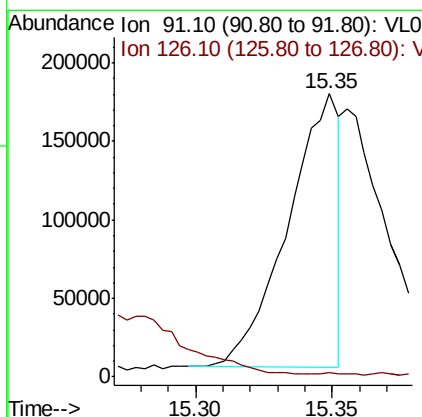
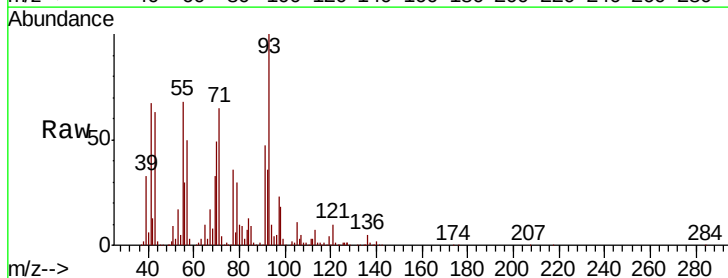
#70
n-Butylbenzene
Concen: 5.004 ppbv
RT: 18.58 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : 1161-8-01-SG-3
Acq: 8 Apr 2022 5:19

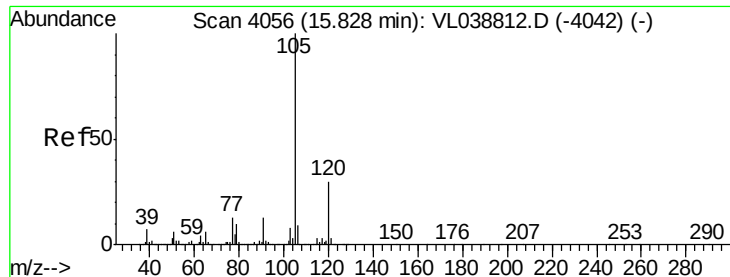
Tot Ion: 91 Resp: 2262521
Ion Ratio Lower Upper
91 100
92 41.7 44.6 66.8#
134 63.2 19.2 28.8#



#71
2-Chlorotoluene
Concen: 0.692 ppbv
RT: 15.35 min Scan# 3907
Delta R.T. -0.10 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

Tgt Ion: 91 Resp: 228417
Ion Ratio Lower Upper
91 100
126 40.8 13.0 51.8





#72

4-Ethyltoluene

Concen: 16.673 ppbv

RT: 15.87

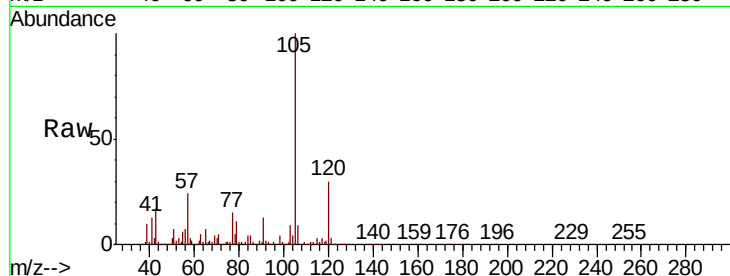
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 5:19

Tot Ion:105 Resp: 5823397

Ion	Ratio	Lower	Upper
105	100		
120	29.9	24.3	36.5
91	13.1	9.4	14.2
77	14.3	10.6	15.8



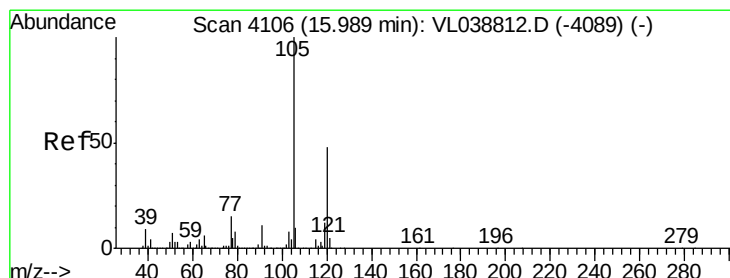
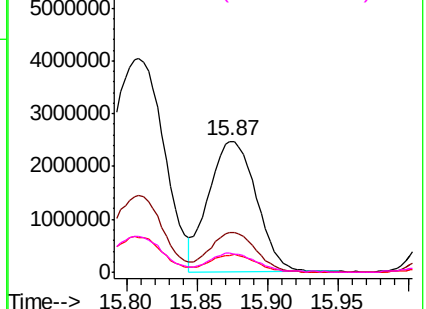
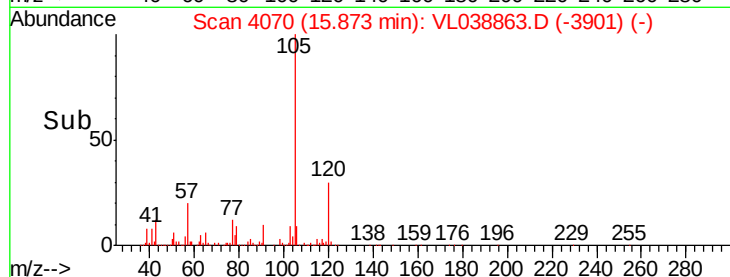
Abundance

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: 15.444 ppbv

RT: 16.03 min Scan# 4120

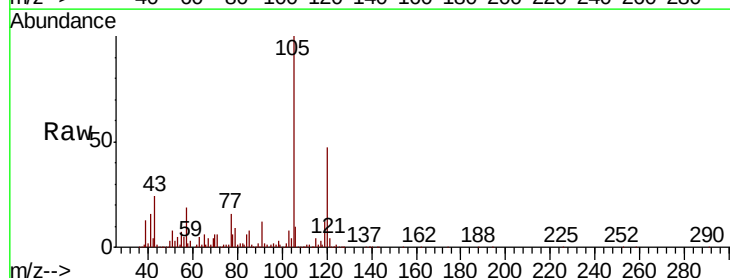
Delta R.T. 0.04 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

Tgt Ion:105 Resp: 4845837

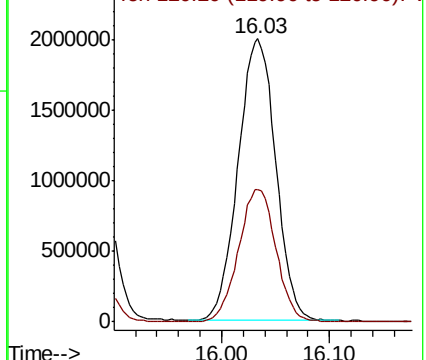
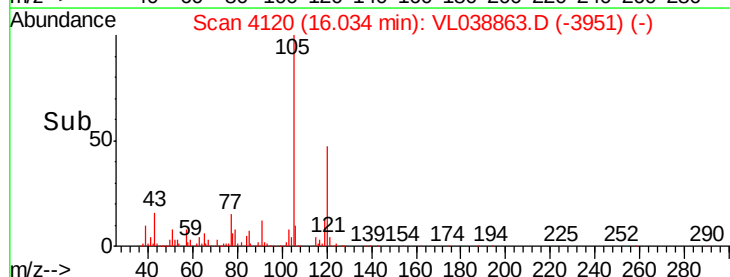
Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.7	58.1

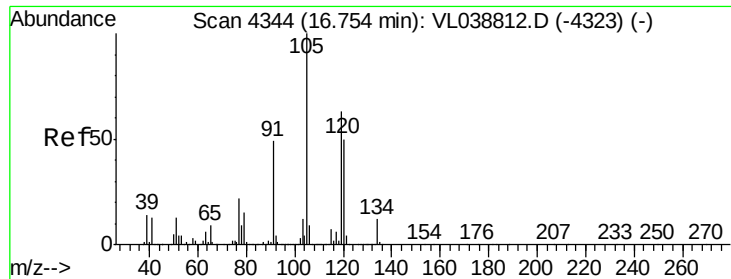


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 34.821 ppbv

RT: 16.80 min

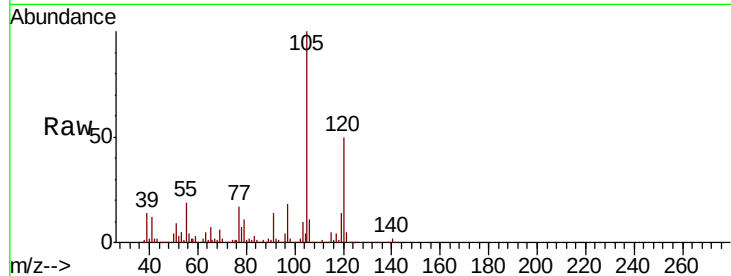
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 5:19

Tot Ion:105 Resp:11549609

Ion	Ratio	Lower	Upper
105	100		
120	50.0	39.8	59.8
91	14.0	39.4	59.0#
77	16.9	17.3	25.9#



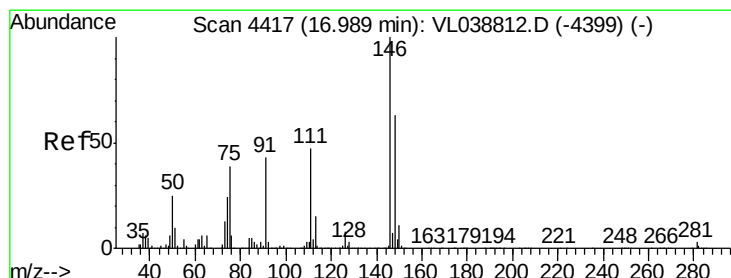
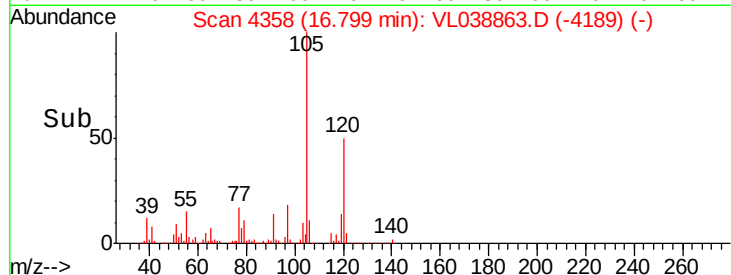
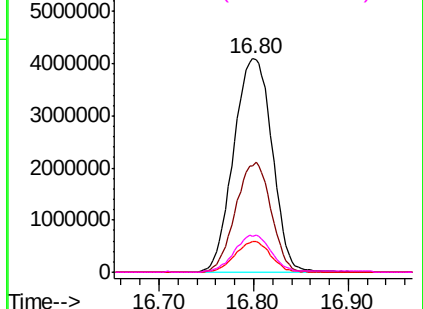
Abundance

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



#75

1,3-Dichlorobenzene

Concen: 0.066 ppbv

RT: 17.04 min Scan# 4432

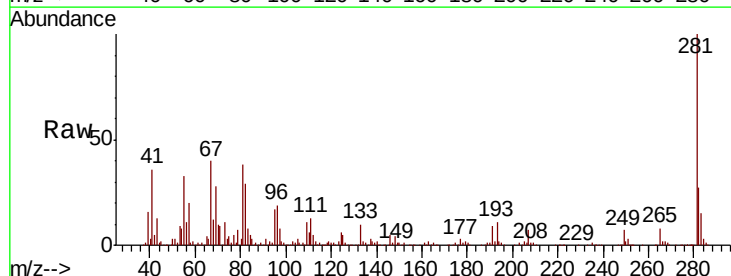
Delta R.T. 0.05 min

Lab File: VL038863.D

Acq: 8 Apr 2022 5:19

Tgt Ion:146 Resp: 12742

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.2#
148	0.0	31.8	95.4#

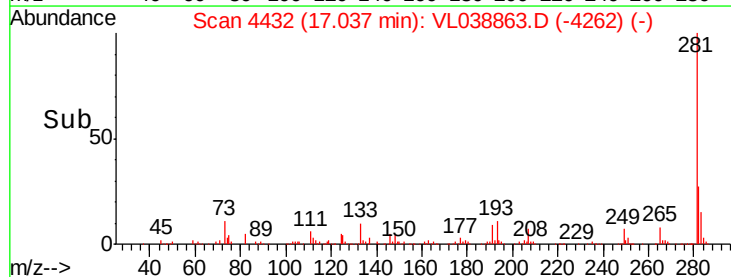
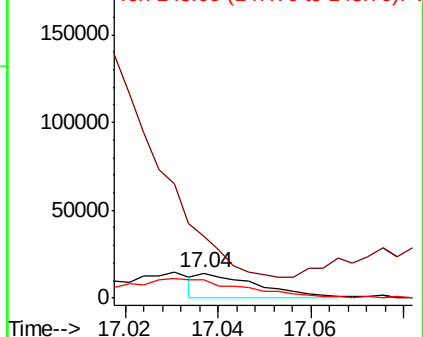


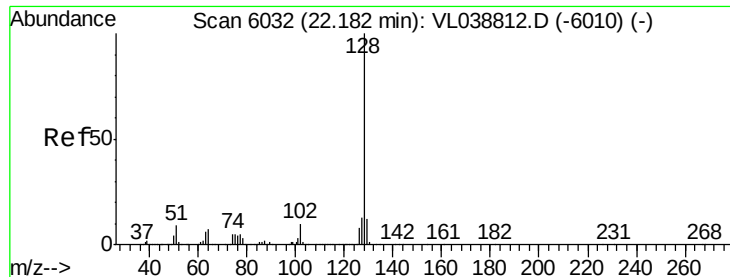
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

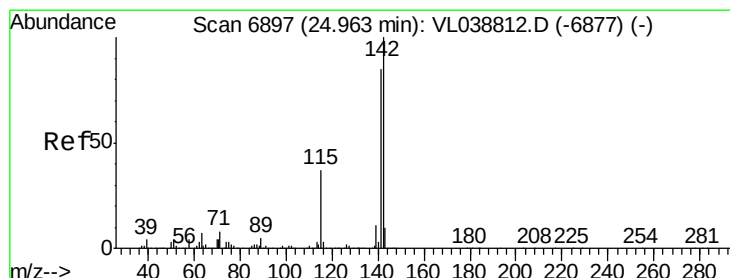
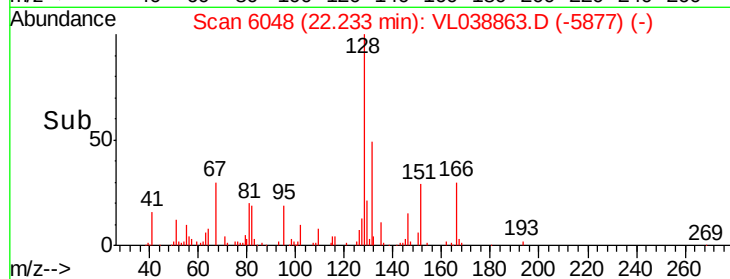
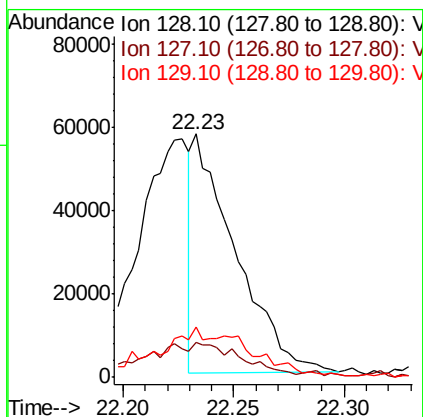
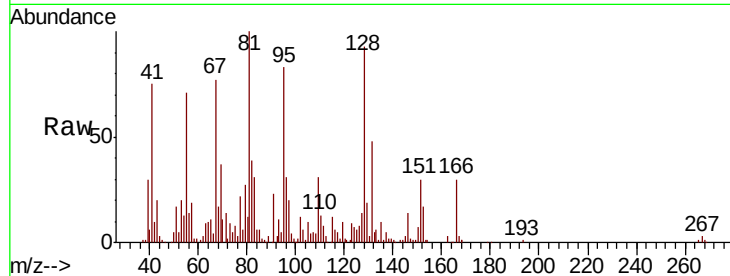
Ion 148.00 (147.70 to 148.70): V





#79
Naphthalene
Concen: 0.307 ppbv
RT: 22.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 5:19

Tot Ion:128 Resp: 76254
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 20.1 9.4 14.0#



#80
Naphthalene, 2-methyl-
Concen: 0.039 ppbv
RT: 25.07 min Scan# 6930
Delta R.T. 0.11 min
Lab File: VL038863.D
Acq: 8 Apr 2022 5:19

Tgt Ion:142 Resp: 2395
Ion Ratio Lower Upper
142 100
141 54.7 68.8 103.2#
115 74.9 31.6 47.4#

