

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038788.D
 Acq On : 29 Mar 2022 2:18
 Operator : SY/AP
 Sample : N2136-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV1

Quant Time: Mar 29 06:13:36 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	787039	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2185802	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2069646	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1556901	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	29814	0.282	ppbv 94
3) Chlorodifluoromethane	2.99	51	55947	0.673	ppbv # 88
4) Chloromethane	3.14	50	10128	0.222	ppbv 98
7) Chloroethane	3.56	64	13548	0.883	ppbv 96
9) Propene	3.02	41	722453	18.002	ppbv # 62
10) Heptane	8.11	43	610527	6.364	ppbv 99
11) Trichlorofluoromethane	3.95	101	28796	0.308	ppbv 90
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3144	0.044	ppbv # 10
13) Ethanol	3.60	45	36212	8.180	ppbv # 42
15) Acetone	3.84	43	1453248	21.399	ppbv # 70
16) 1,3-Butadiene	3.30	39	153585	3.985	ppbv # 12
17) tert-Butyl alcohol	4.29	59	166278	2.803	ppbv 98
19) Isopropyl Alcohol	3.97	45	42199	1.121	ppbv # 91
20) Methylene Chloride	4.34	84	136814	4.783	ppbv 99
21) Allyl Chloride	4.29	41	46704	0.956	ppbv # 62
23) Vinyl Acetate	5.06	43	1929237	29.337	ppbv # 95
25) Ethyl Acetate	5.68	43	2852939	16.688	ppbv # 79
26) Hexane	5.68	57	3910470	51.094	ppbv # 27
27) Carbon Disulfide	4.55	76	29077	0.387	ppbv # 85
28) Methyl tert-Butyl Ether	5.03	73	209195	3.669	ppbv 100
29) Chloroform	5.74	83	258675	2.111	ppbv 98
30) Cyclohexane	7.12	84	152359	2.289	ppbv 88
34) 2-Butanone	5.24	43	333570	3.856	ppbv 97
35) Carbon Tetrachloride	7.01	117	3824	0.030	ppbv # 81
36) Benzene	6.88	78	134532	0.797	ppbv 99
39) 1,2-Dichloropropane	7.83	63	8924	0.135	ppbv # 1
41) Tetrahydrofuran	6.31	42	53719	0.834	ppbv # 35
42) Bromodichloromethane	7.79	83	7977	0.062	ppbv # 44
43) Methyl Methacrylate	7.97	69	19385	0.310	ppbv # 1
44) 2,2,4-Trimethylpentane	7.80	57	10685	0.038	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	14338	0.089	ppbv # 38
51) 2-Hexanone	10.12	43	198867	1.721	ppbv # 99
52) Tetrachloroethene	11.21	164	185146	2.999	ppbv 97
53) Toluene	9.79	91	91591	0.505	ppbv 98
58) Ethyl Benzene	12.70	91	27641	0.114	ppbv 99
59) m/p-Xylene	12.96	91	42013	0.199	ppbv # 39
60) o-Xylene	13.67	91	42238	0.210	ppbv 97
61) Styrene	13.51	104	12002	0.110	ppbv # 86
62) Isopropylbenzene	14.65	105	47861	0.158	ppbv # 66
63) 1,1,2,2-Tetrachloroethane	13.67	83	52220	0.335	ppbv # 37
64) n-propylbenzene	15.54	120	3961	0.050	ppbv # 1

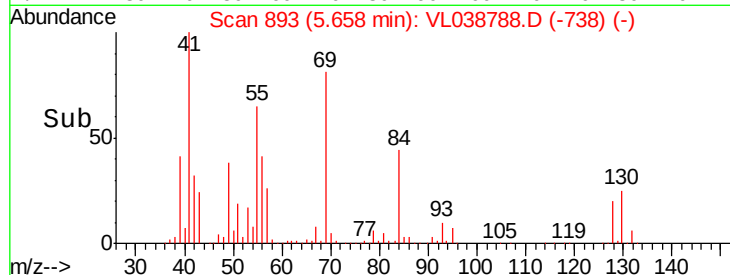
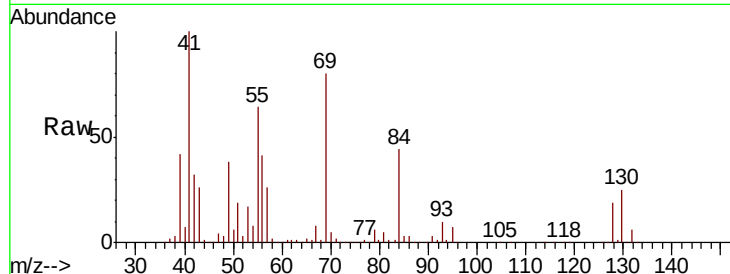
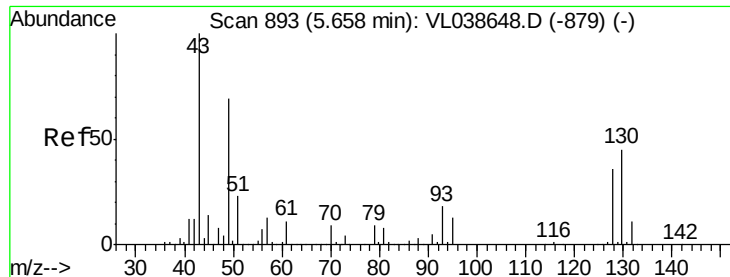
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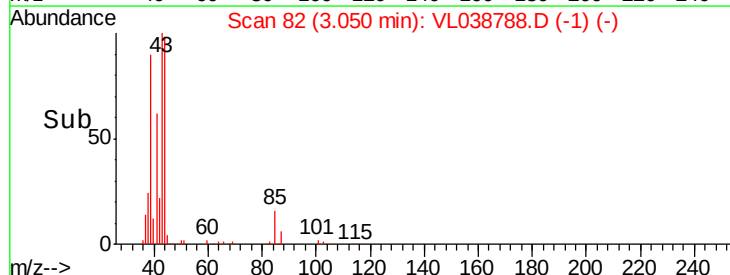
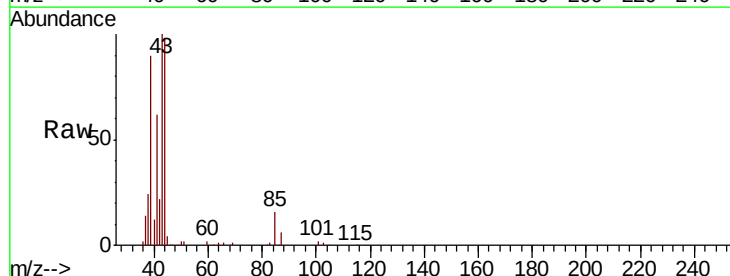
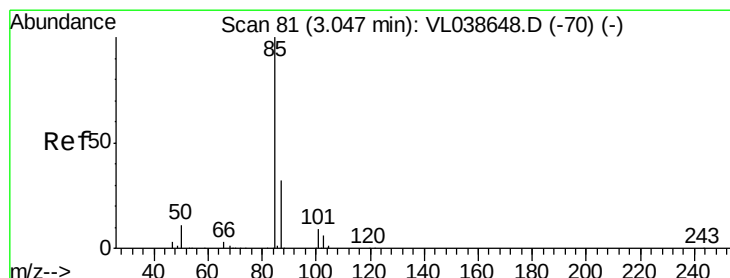
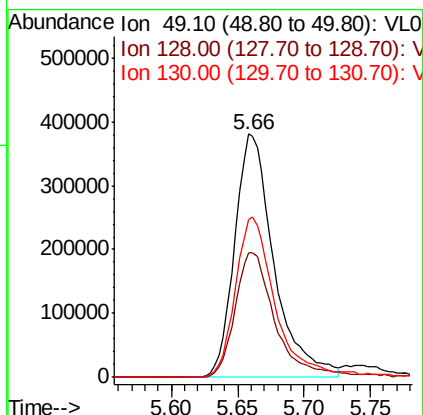
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.64	119	18596	0.059	ppbv #	67
72) 4-Ethyltoluene	15.83	105	36387	0.153	ppbv #	91
73) 1,3,5-Trimethylbenzene	15.98	105	28341	0.131	ppbv	91
74) 1,2,4-Trimethylbenzene	16.75	105	68020	0.289	ppbv #	77
79) Naphthalene	22.19	128	12452	0.069	ppbv #	88
80) Naphthalene,2-methyl-	24.98	142	1819	0.038	ppbv #	10

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



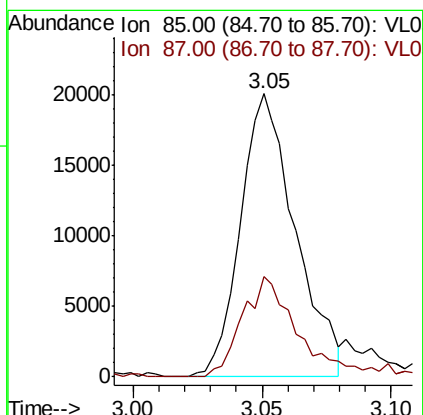
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SV1
 Acq: 29 Mar 2022 2:18

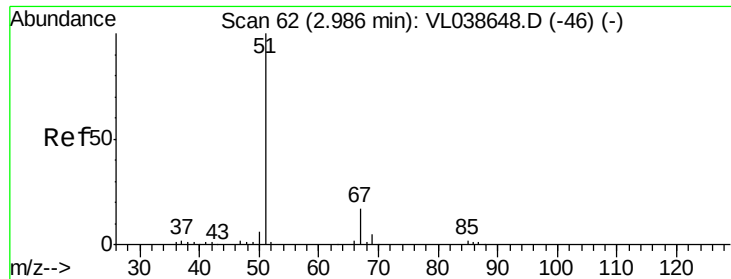
Tot Ion: 49 Resp: 787039
 Ion Ratio Lower Upper
 49 100
 128 52.7 26.2 78.6
 130 68.7 33.7 101.1



#2
 Dichlorodifluoromethane
 Concen: 0.282 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VL038788.D
 Acq: 29 Mar 2022 2:18

Tgt Ion: 85 Resp: 29814
 Ion Ratio Lower Upper
 85 100
 87 35.6 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.673 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

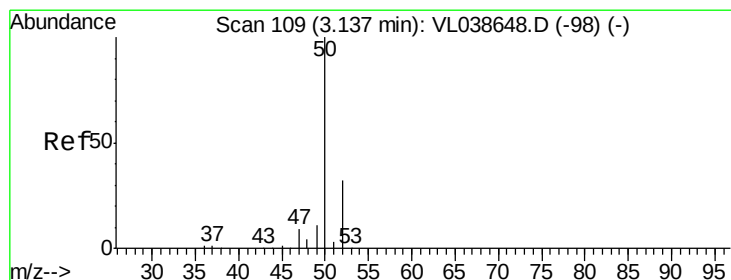
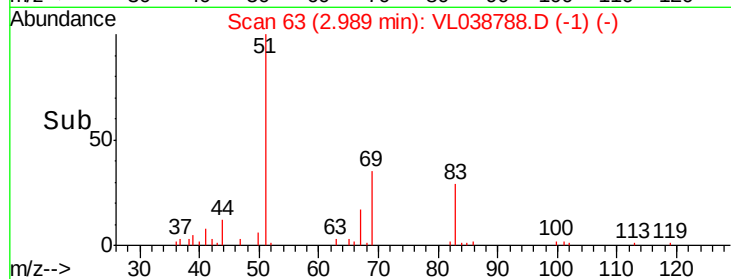
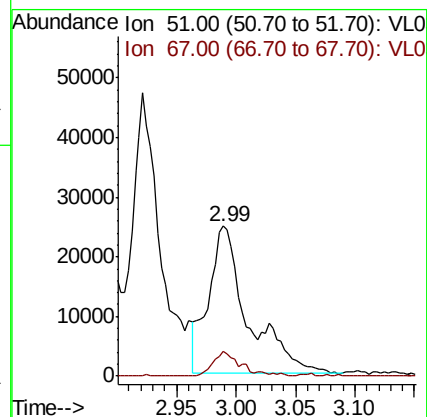
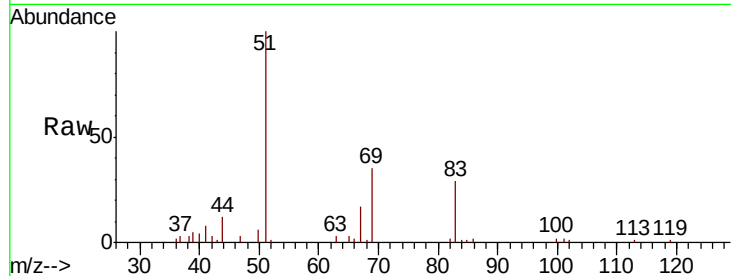
Acq: 29 Mar 2022 2:18

Tot Ion: 51 Resp: 55947

Ion Ratio Lower Upper

51 100

67 12.2 14.1 21.1#



#4

Chloromethane

Concen: 0.222 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038788.D

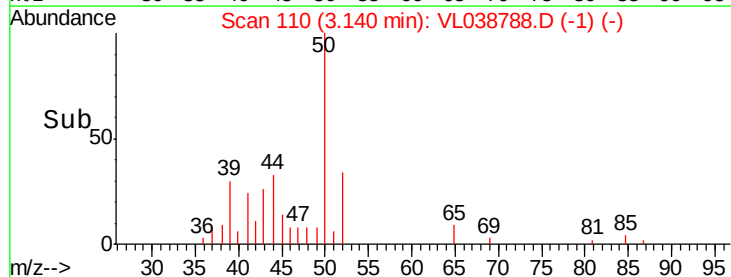
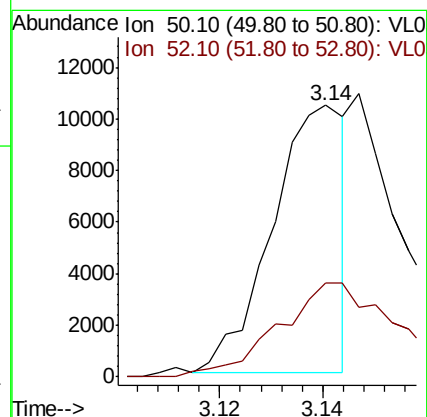
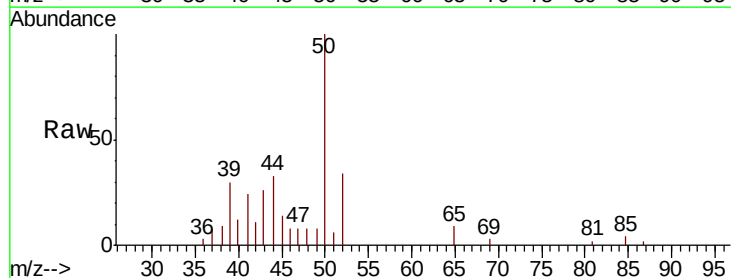
Acq: 29 Mar 2022 2:18

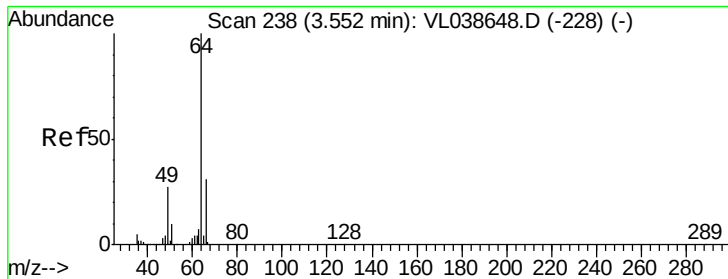
Tgt Ion: 50 Resp: 10128

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3





#7

Chloroethane

Concen: 0.883 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

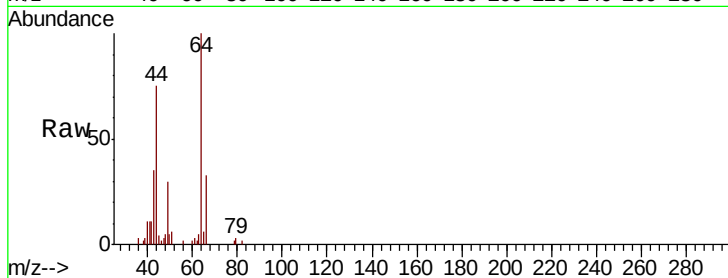
Acq: 29 Mar 2022 2:18

Tot Ion: 64 Resp: 13548

Ion Ratio Lower Upper

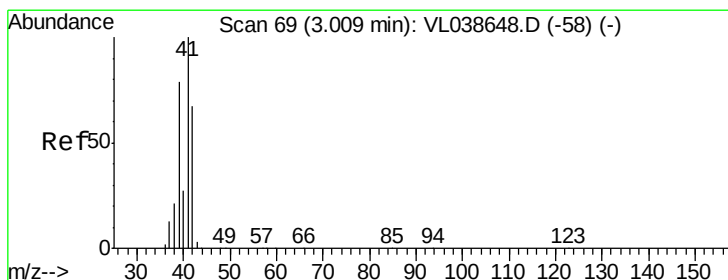
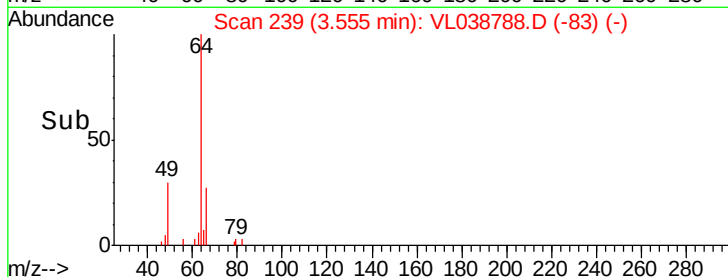
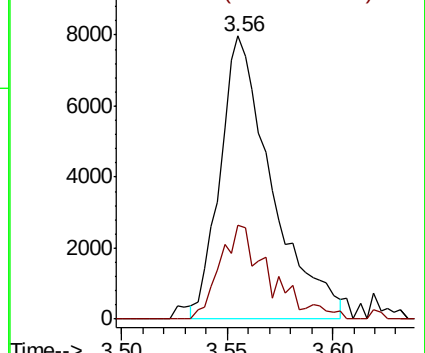
64 100

66 33.3 25.0 37.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 18.002 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038788.D

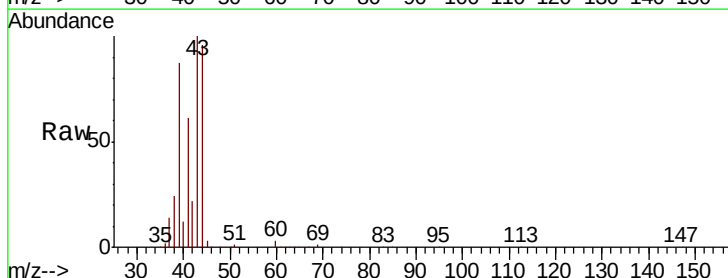
Acq: 29 Mar 2022 2:18

Tgt Ion: 41 Resp: 722453

Ion Ratio Lower Upper

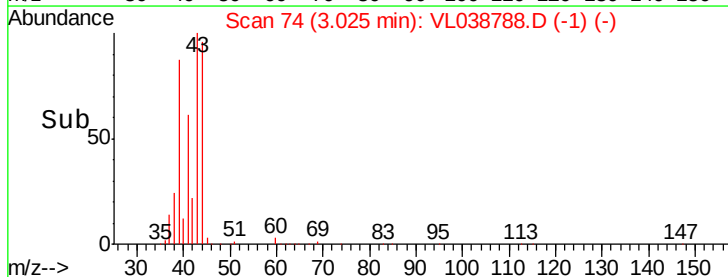
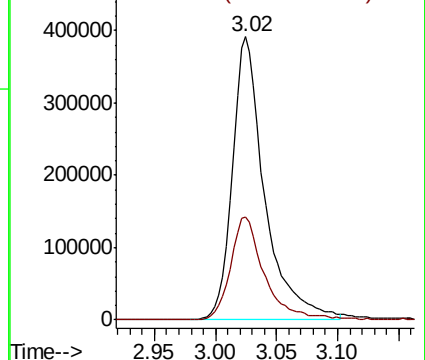
41 100

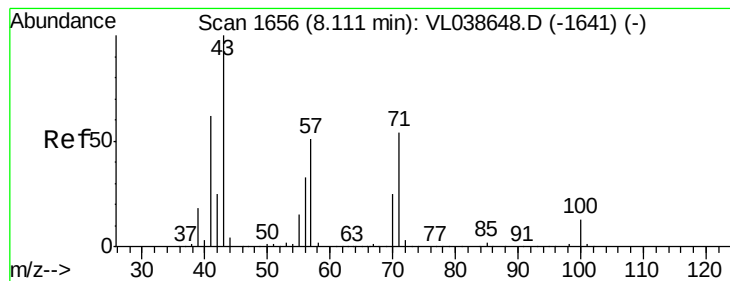
42 38.8 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 6.364 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

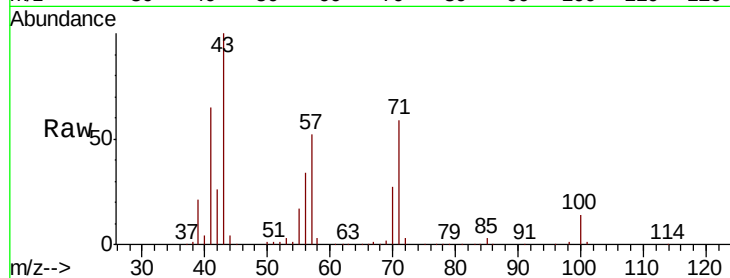
Acq: 29 Mar 2022 2:18 SV1

Tot Ion: 43 Resp: 610527

Ion Ratio Lower Upper

43 100

57 52.4 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

300000

250000

200000

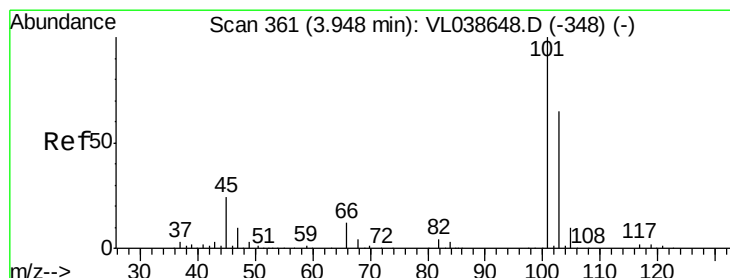
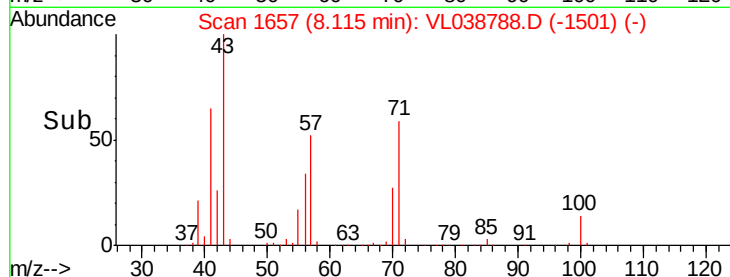
150000

100000

50000

0

Time-->



#11

Trichlorofluoromethane

Concen: 0.308 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL038788.D

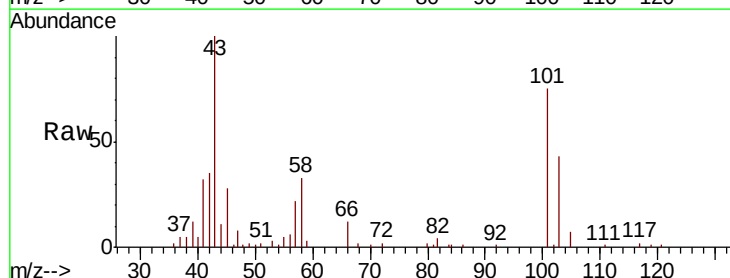
Acq: 29 Mar 2022 2:18

Tgt Ion: 101 Resp: 28796

Ion Ratio Lower Upper

101 100

103 57.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

20000

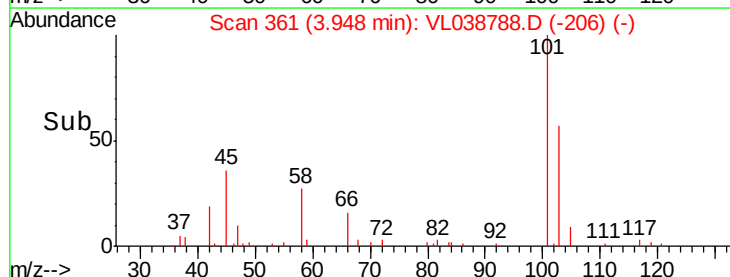
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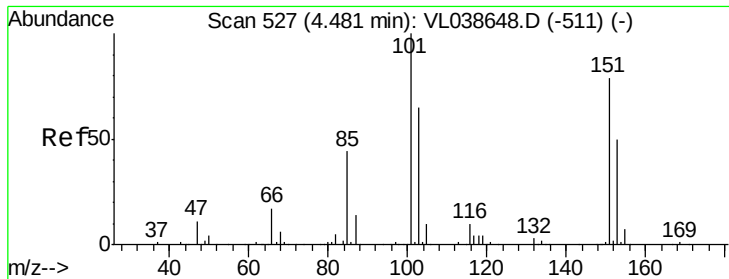
10000

5000

0

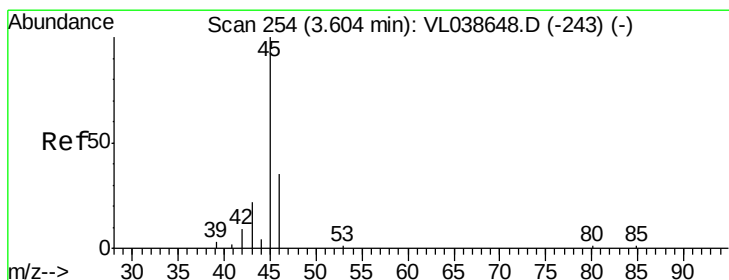
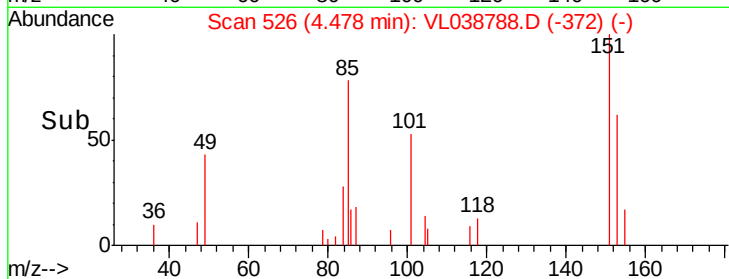
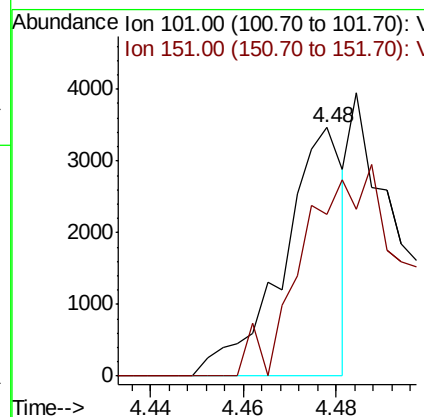
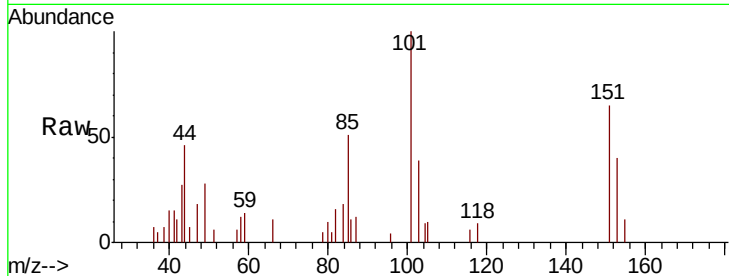
Time-->





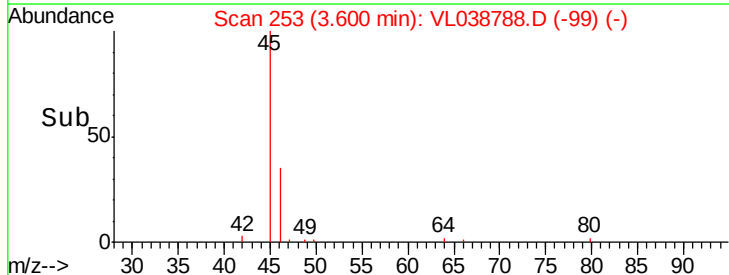
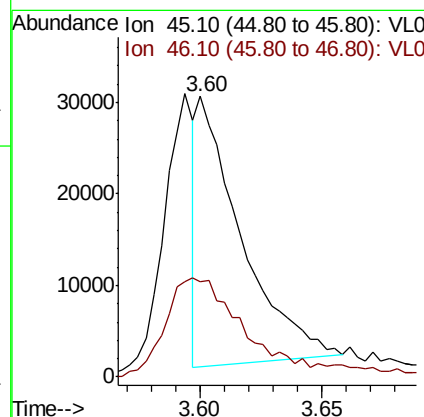
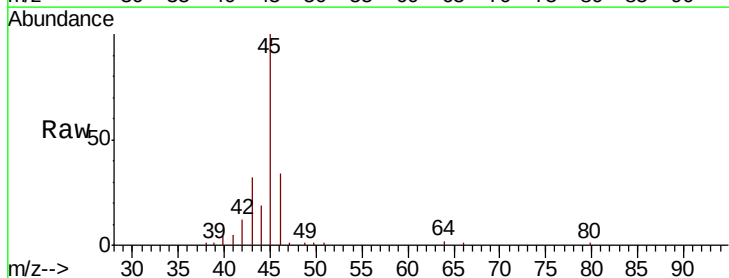
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.044 ppbv
 RT: 4.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 SV1
 Acq: 29 Mar 2022 2:18

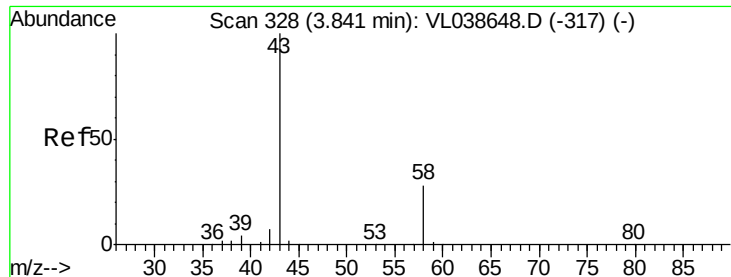
Tot Ion: 101 Resp: 3144
 Ion Ratio Lower Upper
 101 100
 151 0.0 62.9 94.3#



#13
 Ethanol
 Concen: 8.180 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VL038788.D
 Acq: 29 Mar 2022 2:18

Tgt Ion: 45 Resp: 36212
 Ion Ratio Lower Upper
 45 100
 46 72.5 15.1 60.5#





#15

Acetone

Concen: 21.399 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

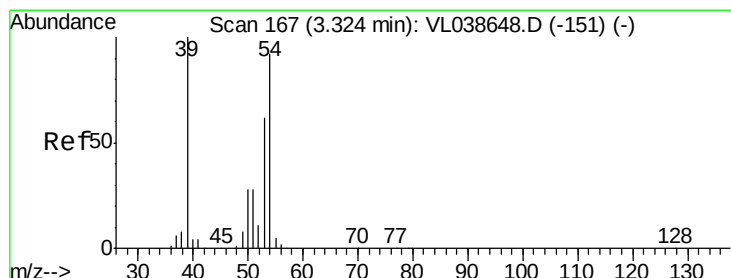
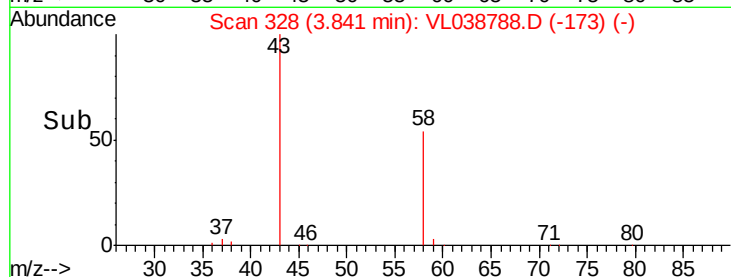
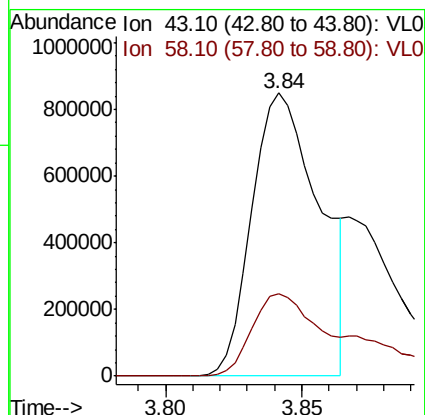
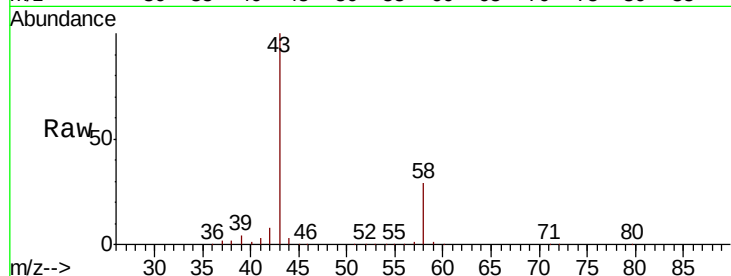
Acq: 29 Mar 2022 2:18

Tot Ion: 43 Resp: 1453248

Ion Ratio Lower Upper

43 100

58 45.1 23.3 34.9#



#16

1,3-Butadiene

Concen: 3.985 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL038788.D

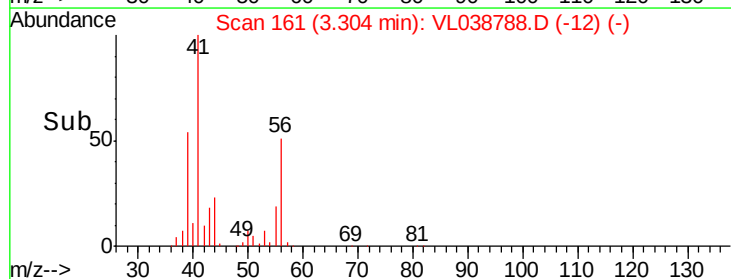
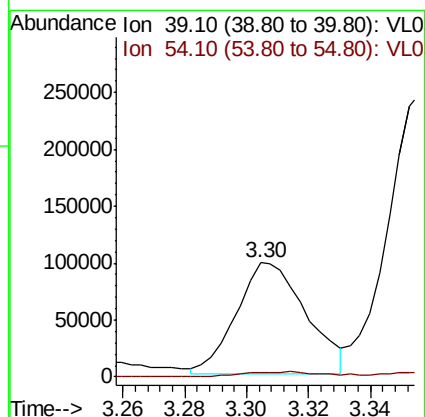
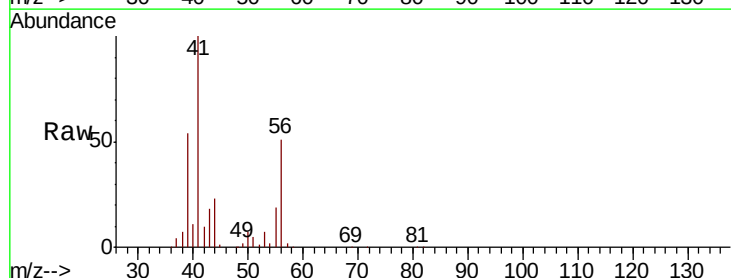
Acq: 29 Mar 2022 2:18

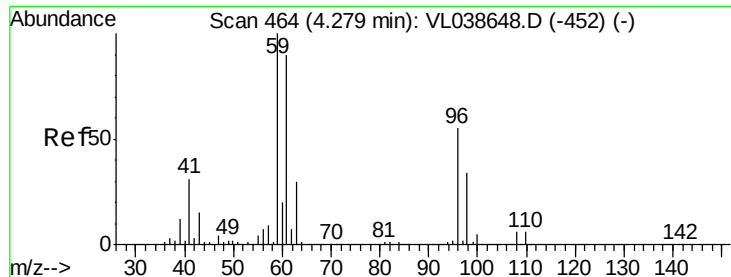
Tgt Ion: 39 Resp: 153585

Ion Ratio Lower Upper

39 100

54 5.6 69.1 103.7#





#17

tert-Butyl alcohol

Concen: 2.803 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1

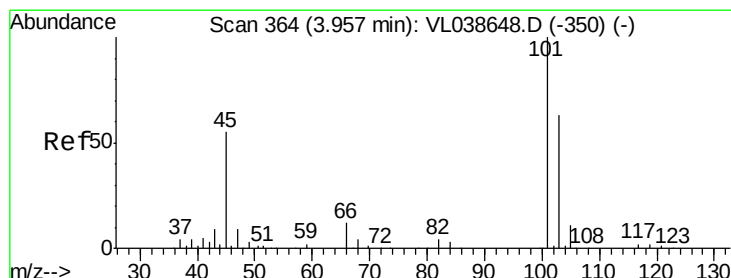
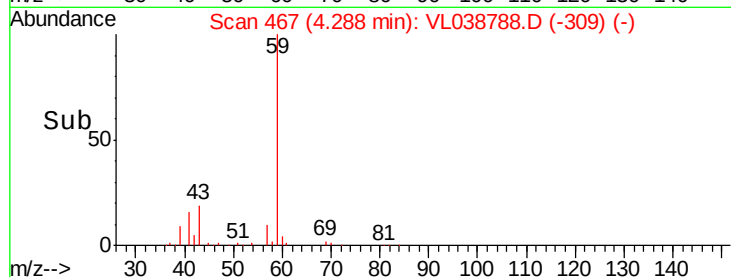
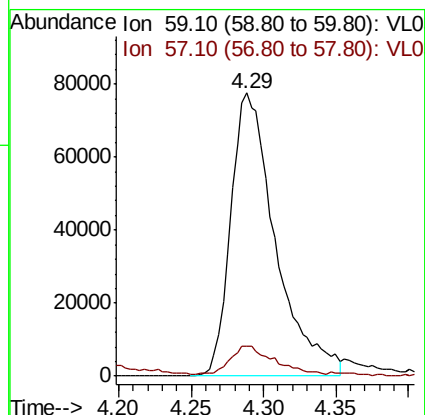
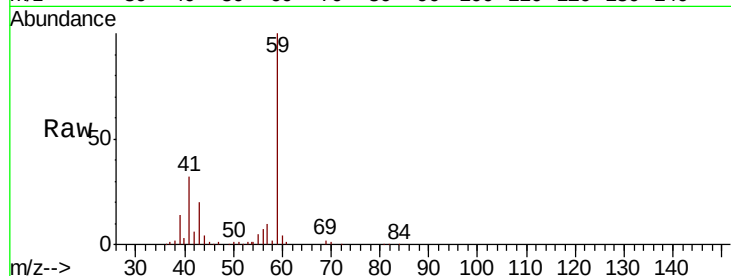
Acq: 29 Mar 2022 2:18

Tot Ion: 59 Resp: 166278

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.2



#19

Isopropyl Alcohol

Concen: 1.121 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL038788.D

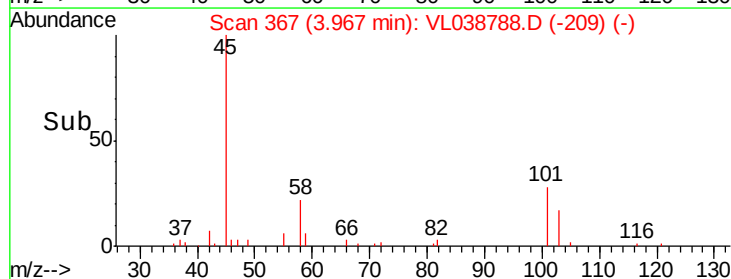
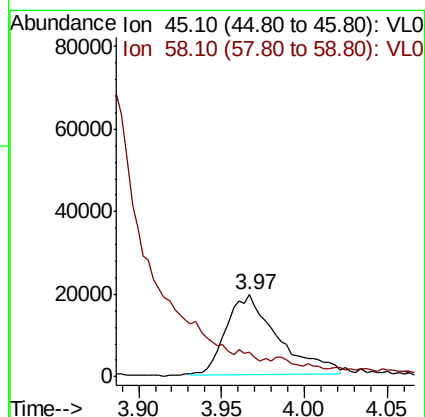
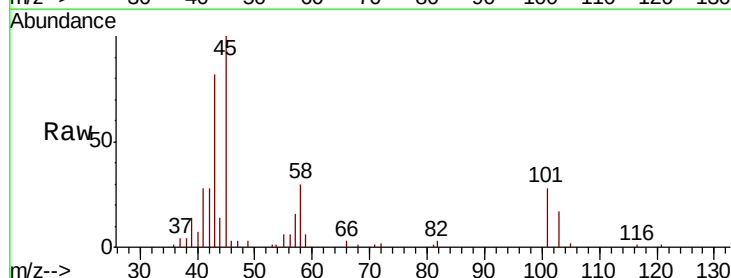
Acq: 29 Mar 2022 2:18

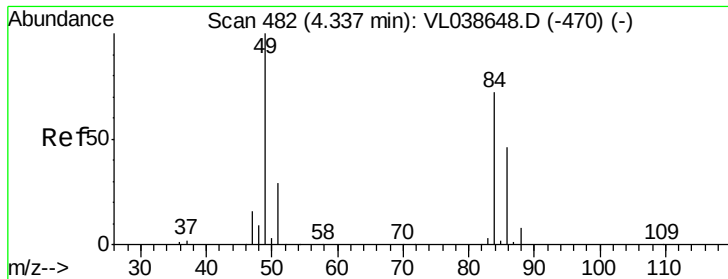
Tgt Ion: 45 Resp: 42199

Ion Ratio Lower Upper

45 100

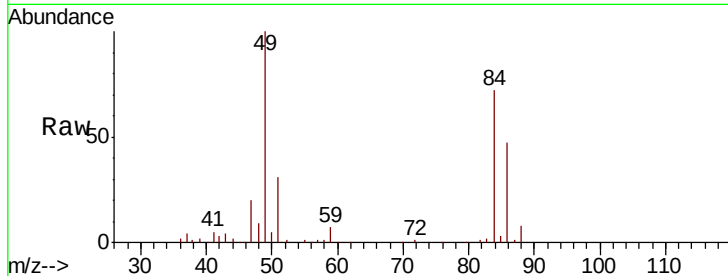
58 0.0 2.3 3.5#





#20
Methylene Chloride
Concen: 4.783 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 2:18

Tot Ion:	84	Resp:	136814
Ion	Ratio	Lower	Upper
84	100		
49	139.3	111.2	166.8
51	41.6	32.8	49.2
86	65.2	51.4	77.0



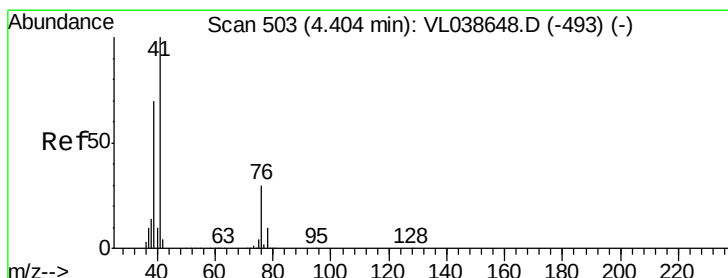
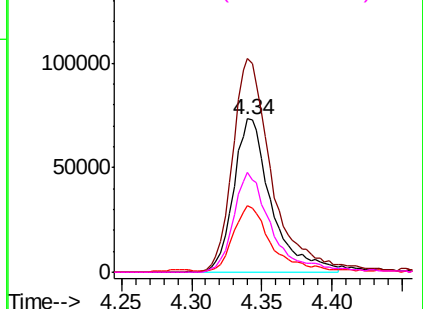
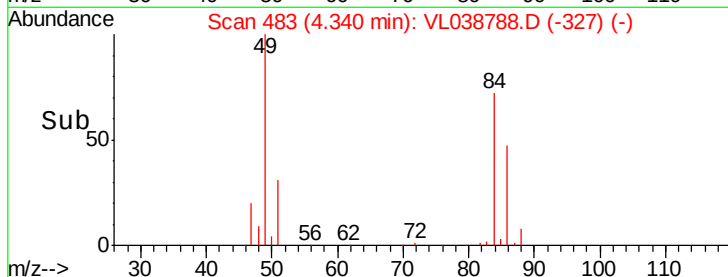
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

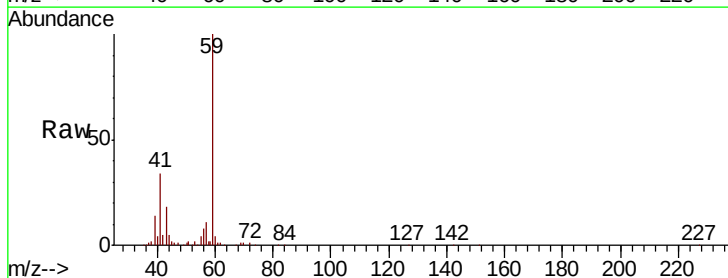
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.956 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.12 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

Tgt Ion:	41	Resp:	46704
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	46.8	56.6	85.0#

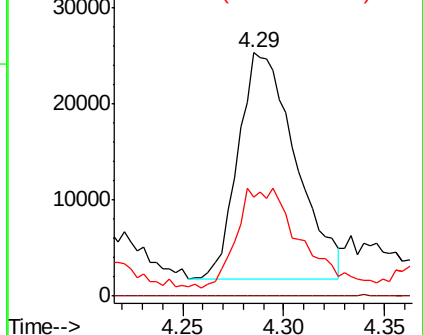
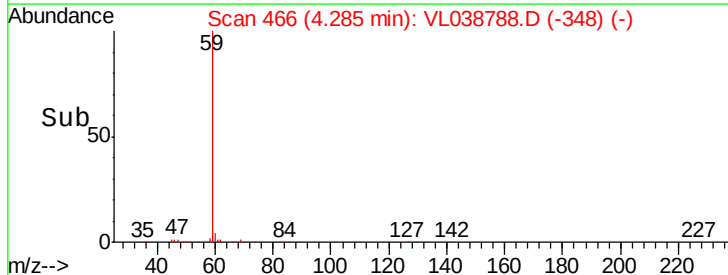


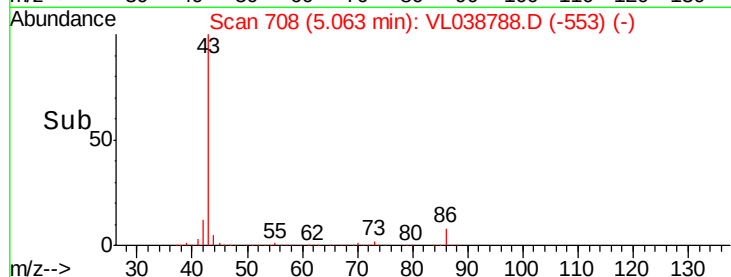
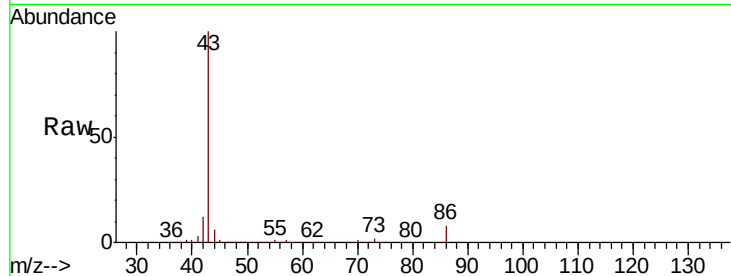
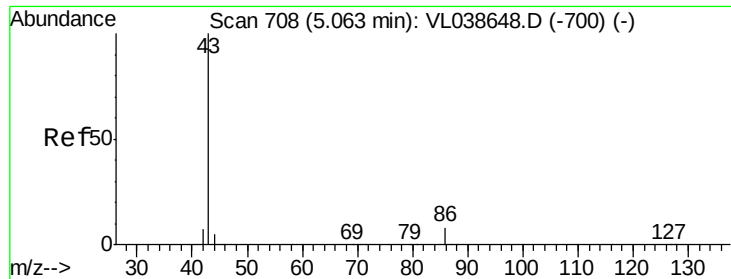
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 29.337 ppbv

RT: 5.06

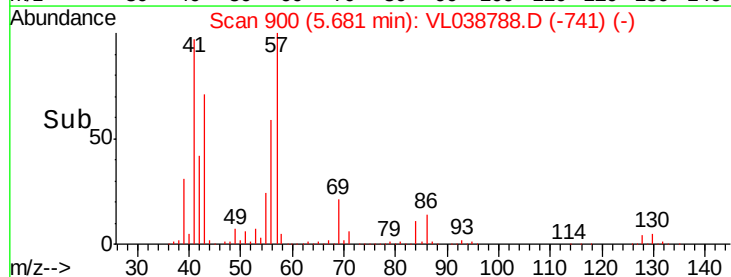
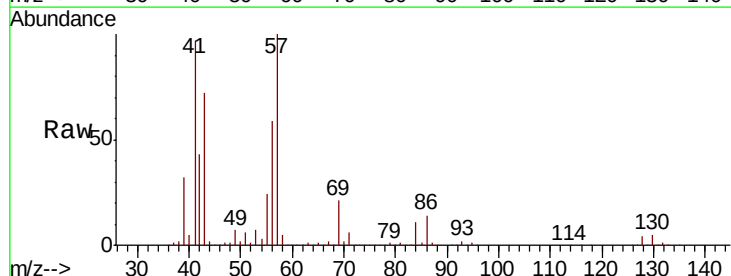
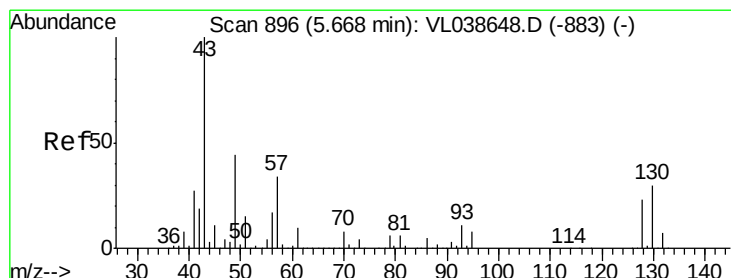
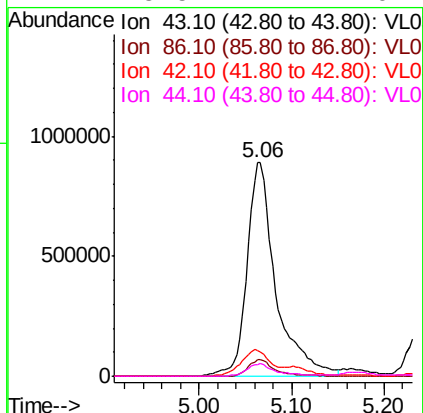
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Mar 2022 2:18

Tot Ion: 43 Resp: 1929237

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.6	8.4
42	11.9	6.8	10.2#
44	5.5	4.2	6.2



#25

Ethyl Acetate

Concen: 16.688 ppbv

RT: 5.68 min Scan# 900

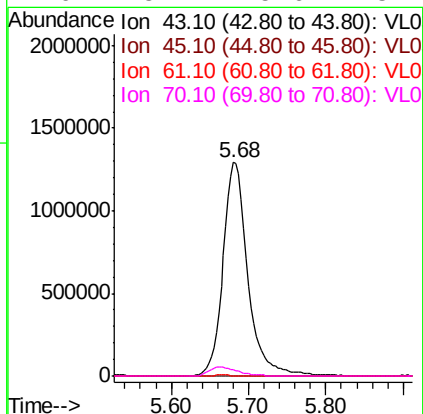
Delta R.T. 0.01 min

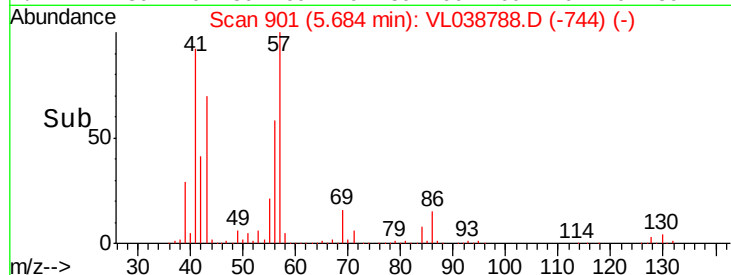
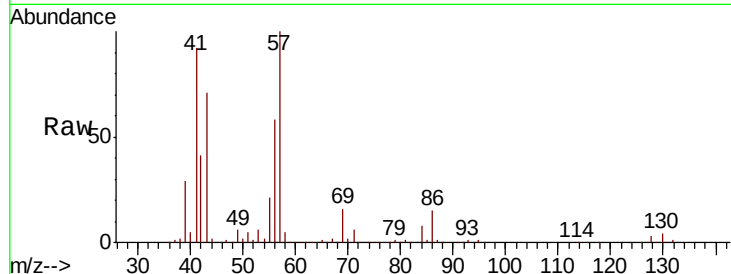
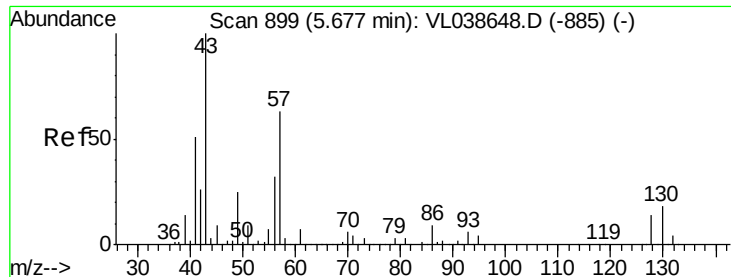
Lab File: VL038788.D

Acq: 29 Mar 2022 2:18

Tgt Ion: 43 Resp: 2852939

Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.2	12.4#
61	0.5	8.3	12.5#
70	5.1	5.6	8.4#

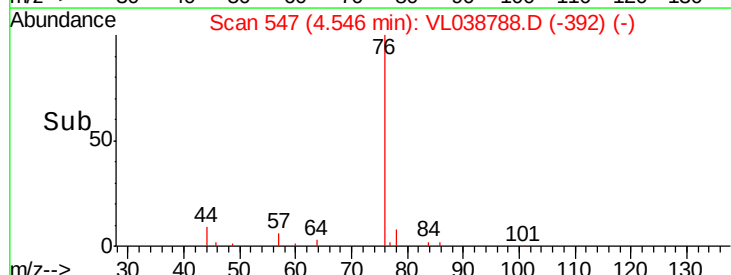
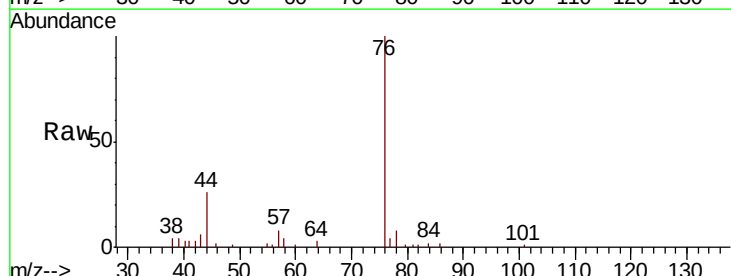
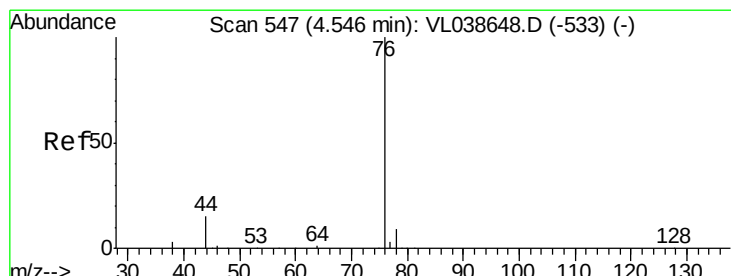
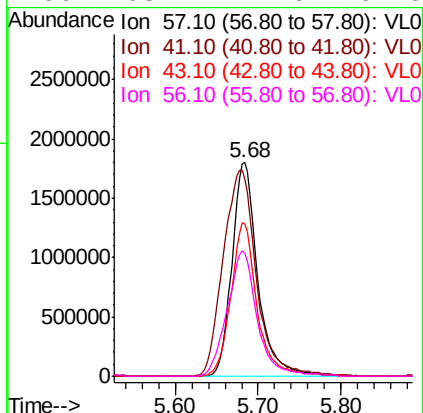




#26
Hexane
Concen: 51.094 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 2:18

Tot Ion: 57 Resp: 3910470

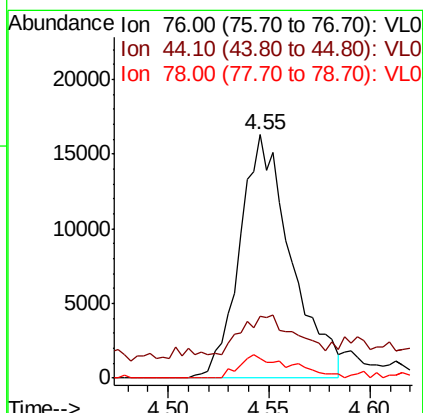
Ion	Ratio	Lower	Upper
57	100		
41	124.2	67.0	100.4#
43	73.1	184.2	276.2#
56	68.2	42.6	64.0#

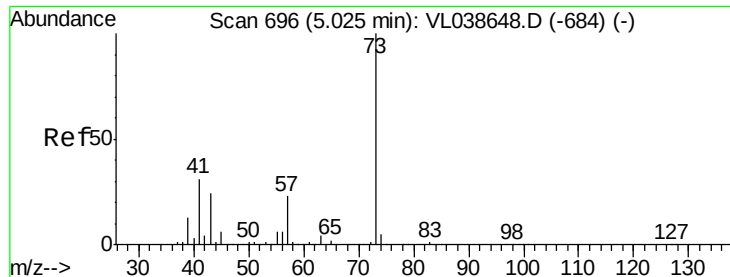


#27
Carbon Disulfide
Concen: 0.387 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

Tgt Ion: 76 Resp: 29077

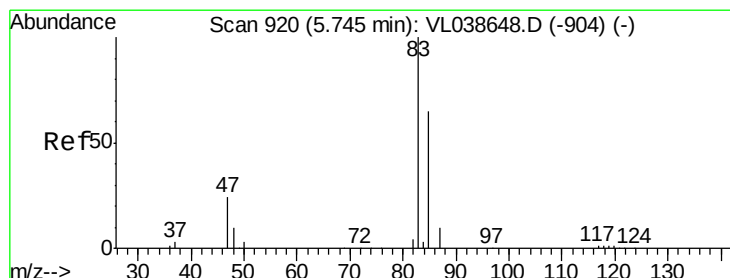
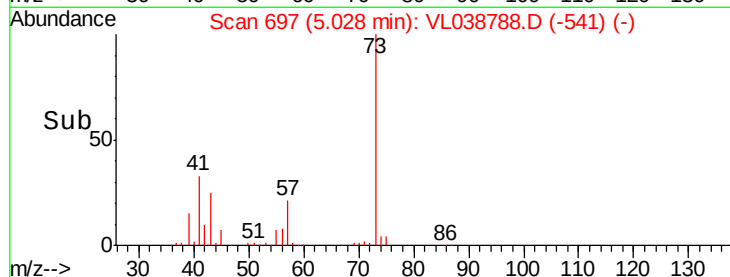
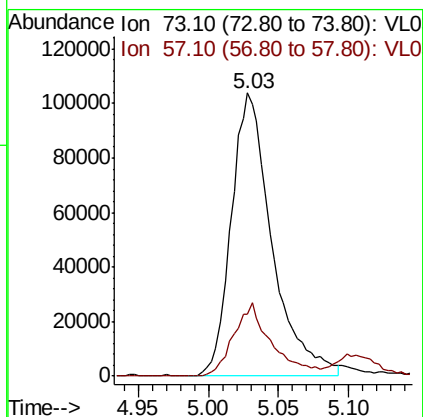
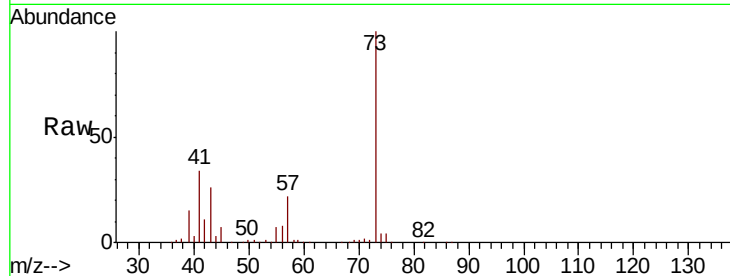
Ion	Ratio	Lower	Upper
76	100		
44	25.6	12.4	18.6#
78	9.7	7.8	11.8





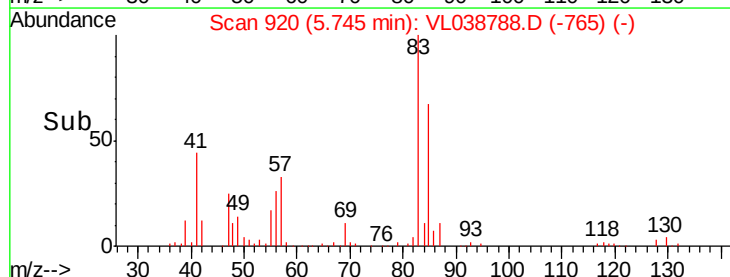
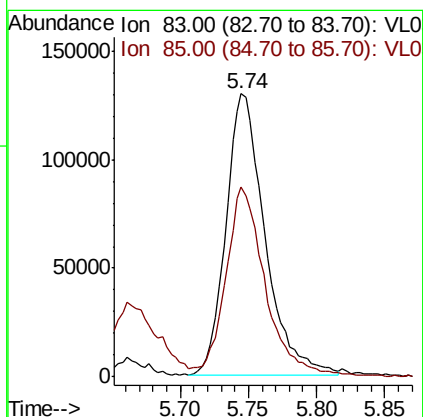
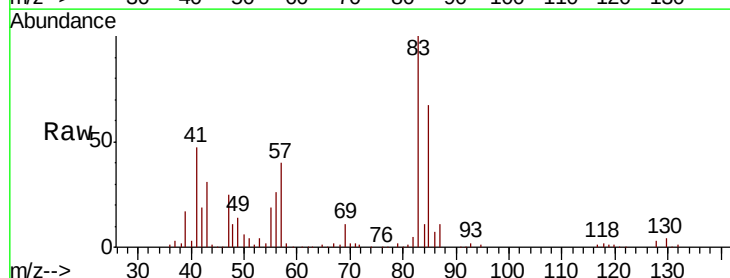
#28
Methyl tert-Butyl Ether
Concen: 3.669 ppbv
RT: 5.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 29 Mar 2022 2:18

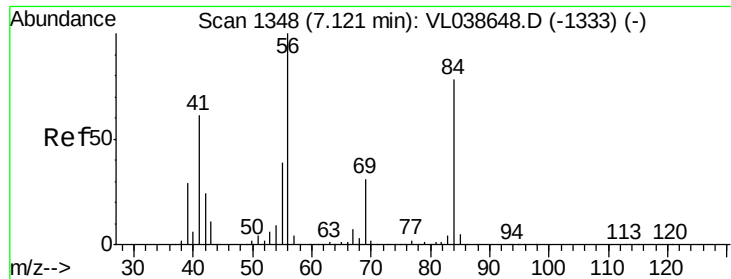
Tot Ion: 73 Resp: 209195
Ion Ratio Lower Upper
73 100
57 23.8 19.2 28.8



#29
Chloroform
Concen: 2.111 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

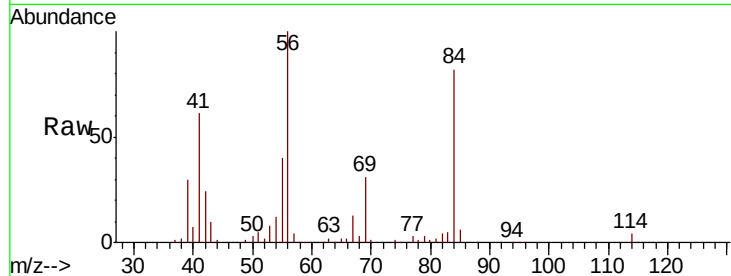
Tgt Ion: 83 Resp: 258675
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5





#30
Cyclohexane
Concen: 2.289 ppbv
RT: 7.12 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 2:18

Tot Ion	Ratio	Lower	Upper
84	100		
56	155.2	108.2	162.4
41	79.4	61.8	92.6

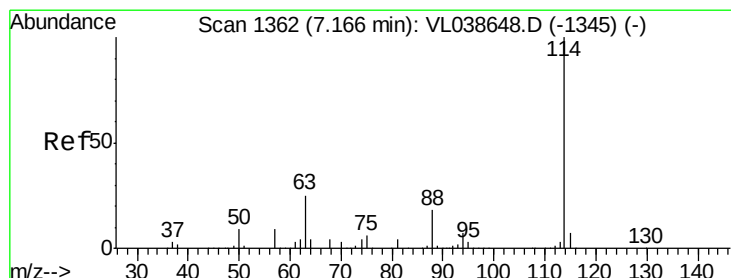
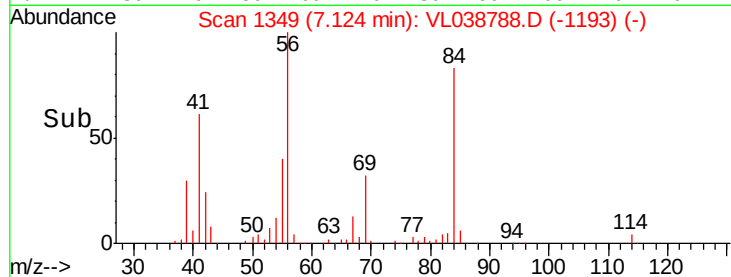
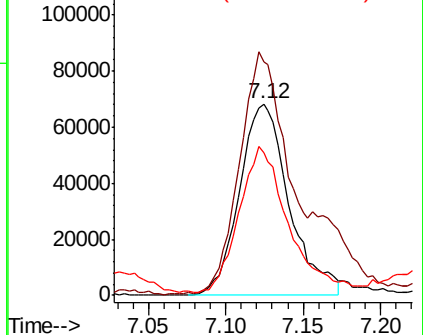


Abundance

Ion 84.20 (83.90 to 84.90): VL0

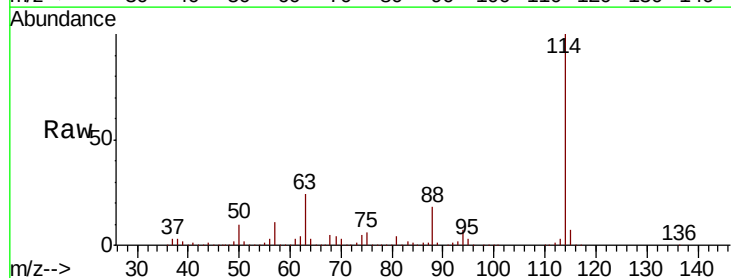
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T.: -0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.4	29.0
88	17.0	13.9	20.9

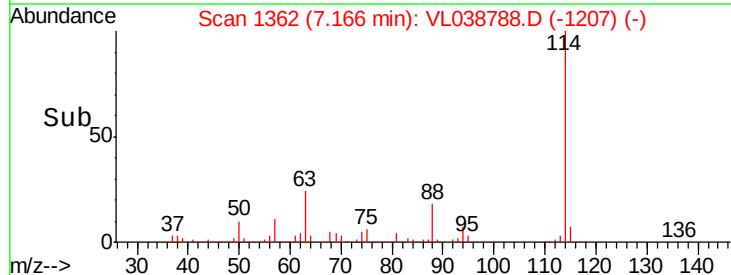
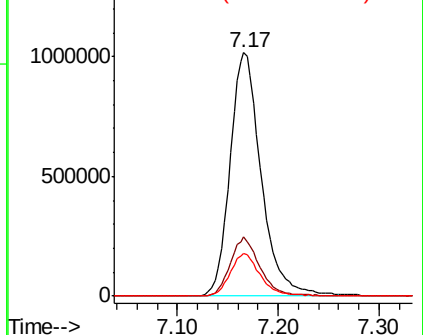


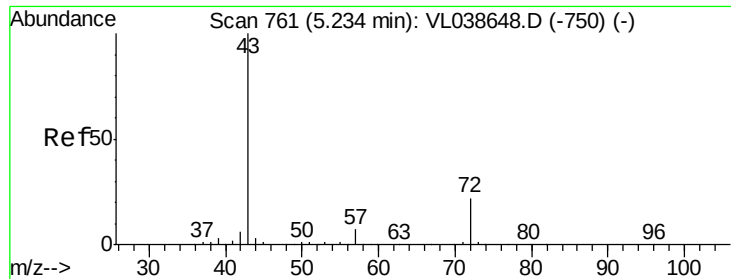
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

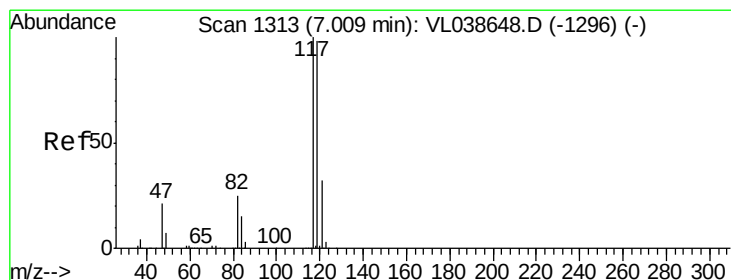
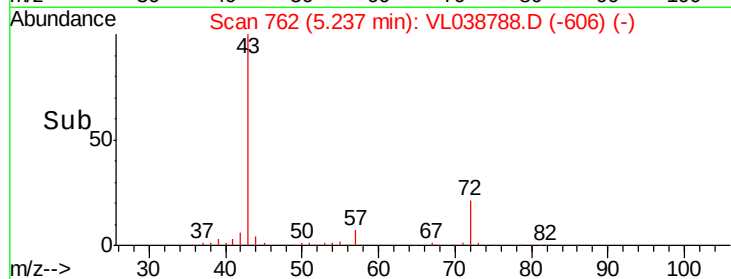
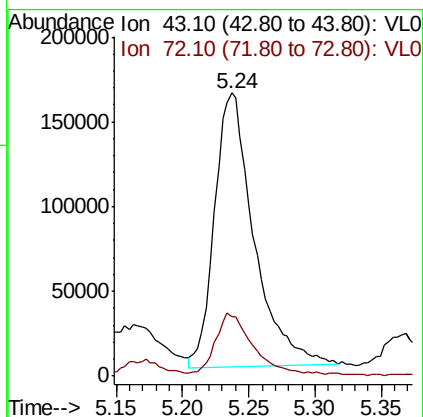
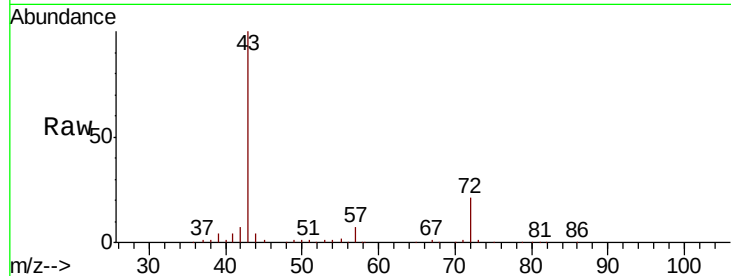
Ion 88.10 (87.80 to 88.80): VL0





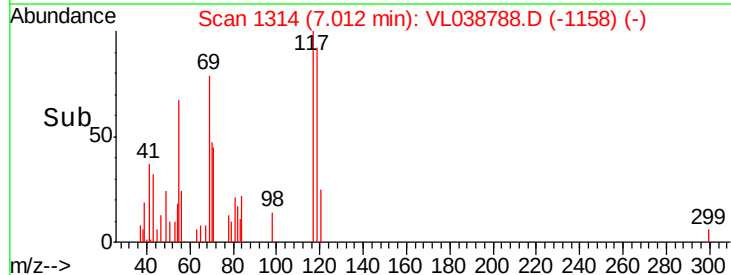
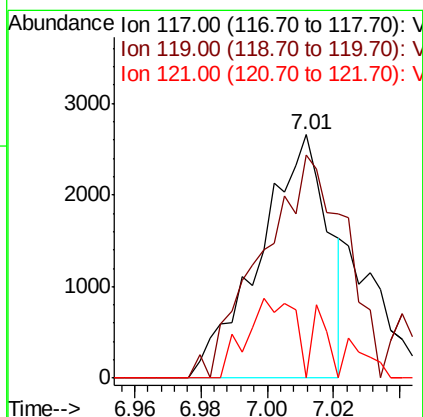
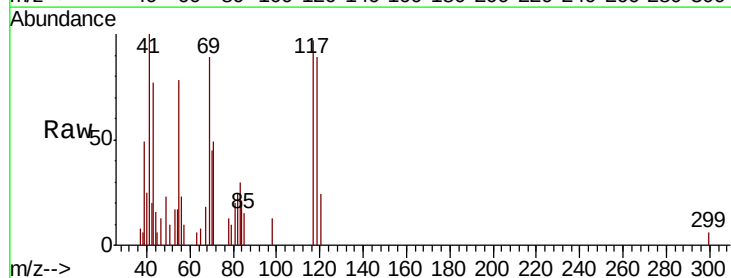
#34
2-Butanone
Concen: 3.856 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 2:18

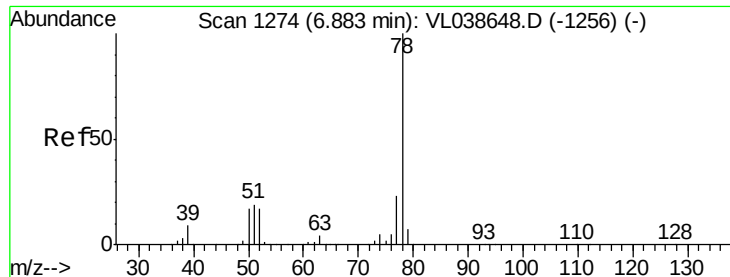
Tot Ion: 43 Resp: 333570
Ion Ratio Lower Upper
43 100
72 23.8 17.8 26.8



#35
Carbon Tetrachloride
Concen: 0.030 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

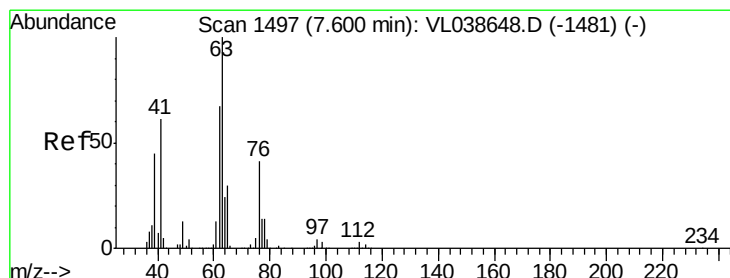
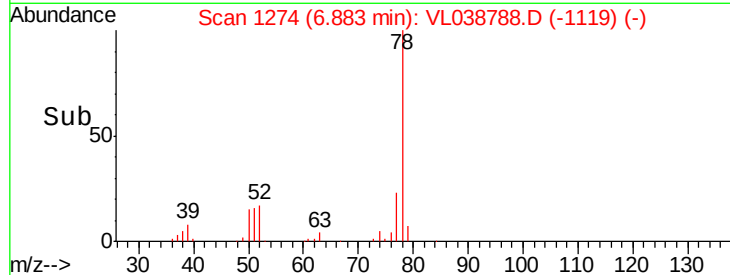
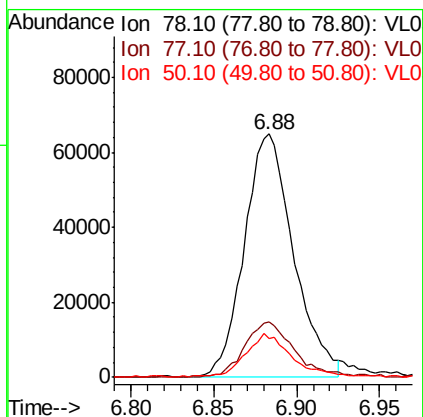
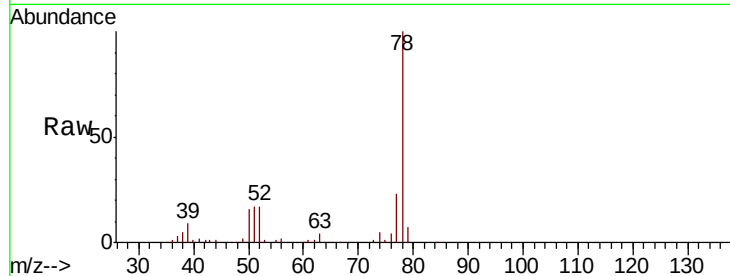
Tgt Ion: 117 Resp: 3824
Ion Ratio Lower Upper
117 100
119 91.7 78.1 117.1
121 0.0 25.8 38.6#





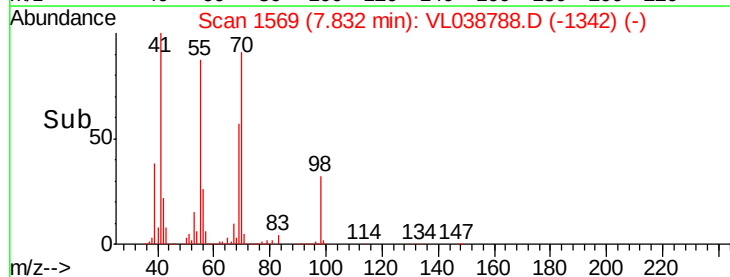
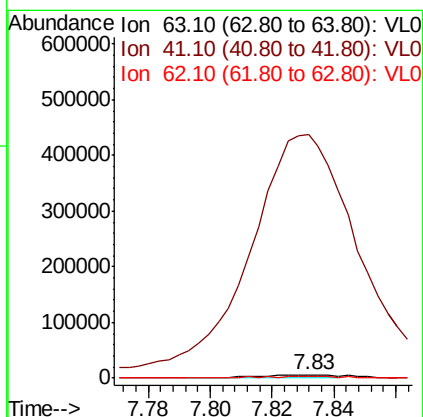
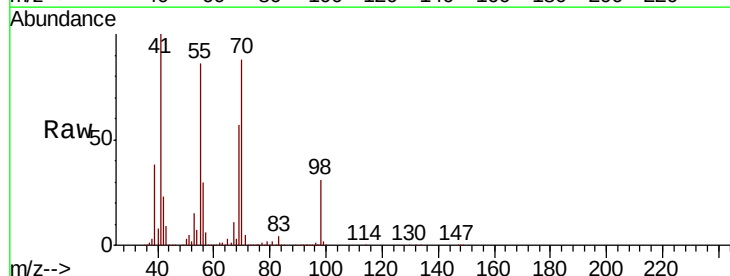
#36
Benzene
Concen: 0.797 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 2:18

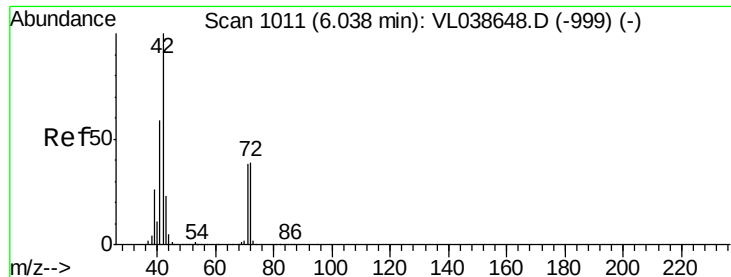
Tot Ion	78	Resp	134532
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1
50	15.8	13.6	20.4



#39
1,2-Dichloropropane
Concen: 0.135 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.23 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

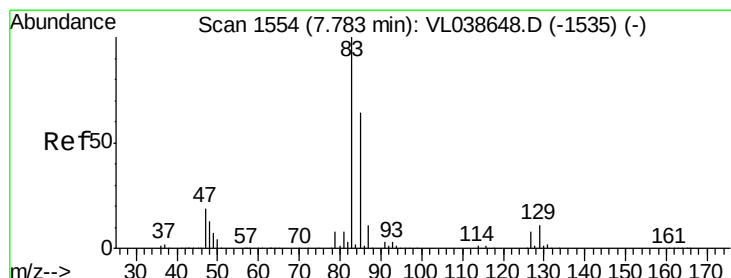
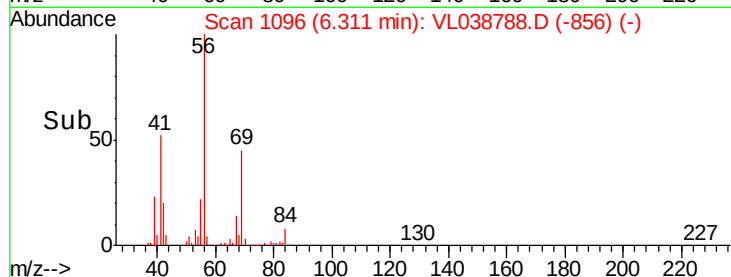
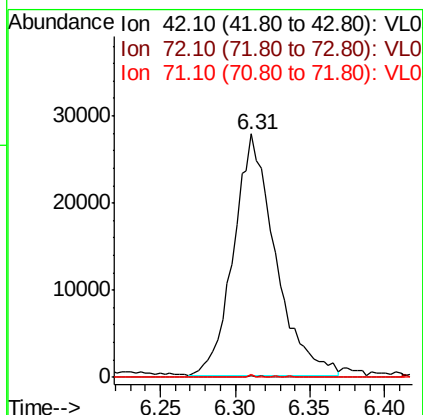
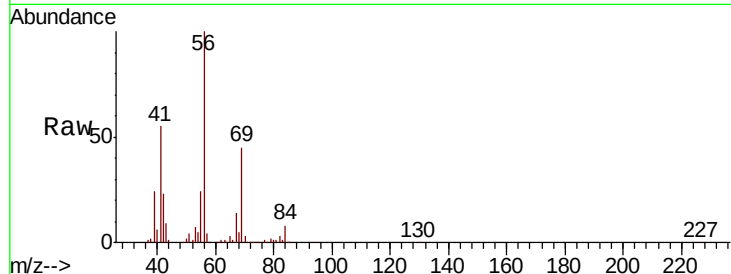
Tgt Ion	63	Resp	8924
Ion	Ratio	Lower	Upper
63	100		
41	7308.9	49.0	73.6#
62	56.5	53.9	80.9





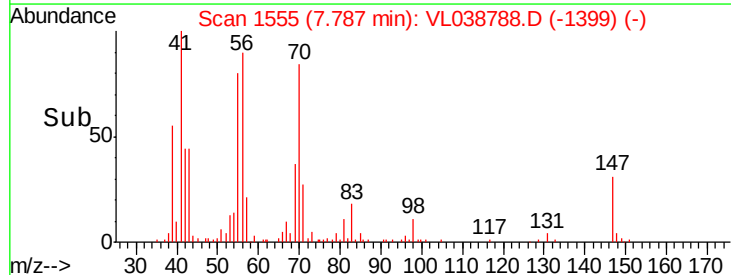
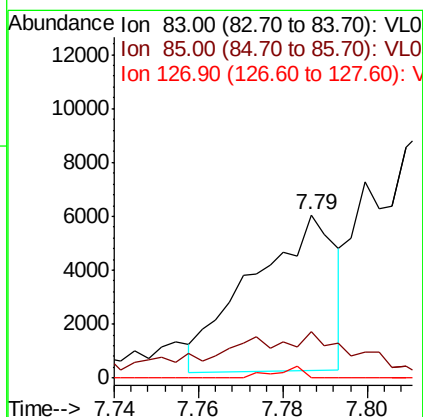
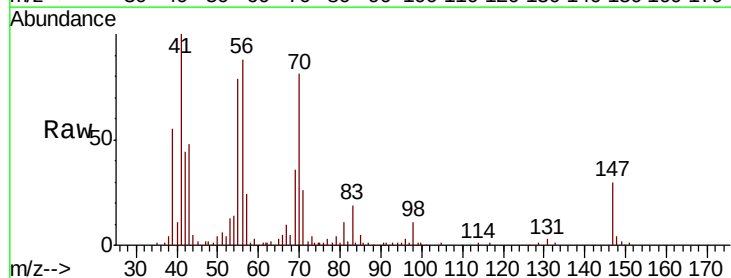
#41
Tetrahydrofuran
Concen: 0.834 ppbv
RT: 6.31
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1
Acq: 29 Mar 2022 2:18

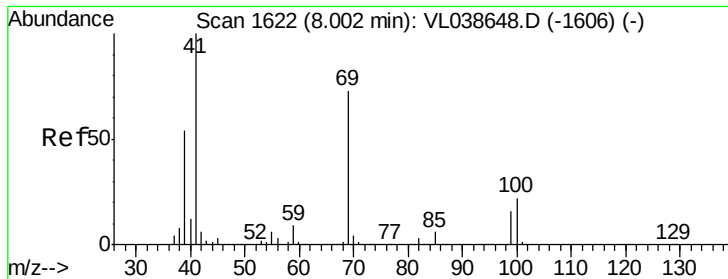
Tot Ion: 42 Resp: 53719
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7#
71 0.0 31.4 47.2#



#42
Bromodichloromethane
Concen: 0.062 ppbv
RT: 7.79 min Scan# 1555
Delta R.T.: 0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

Tgt Ion: 83 Resp: 7977
Ion Ratio Lower Upper
83 100
85 17.2 51.1 76.7#
127 0.0 6.5 9.7#





#43

Methyl Methacrylate

Concen: 0.310 ppbv

RT: 7.97

Instrument: MSVOA_1

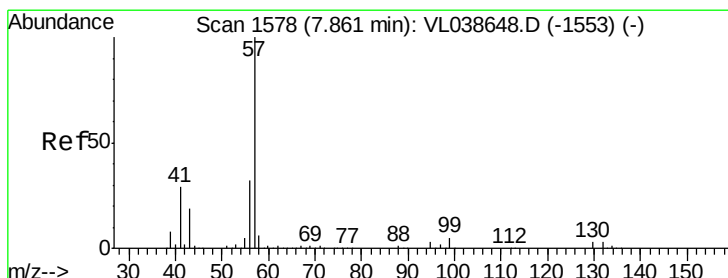
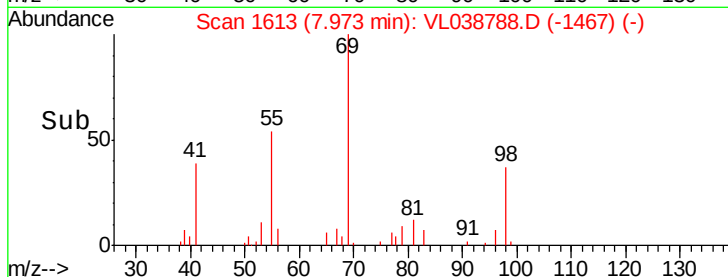
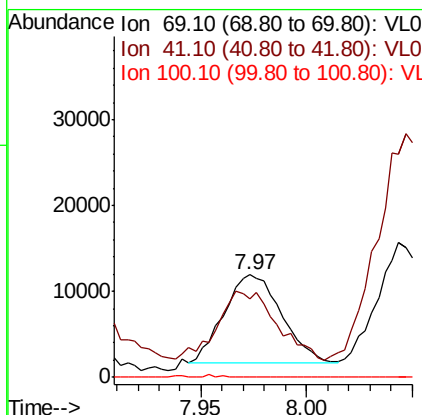
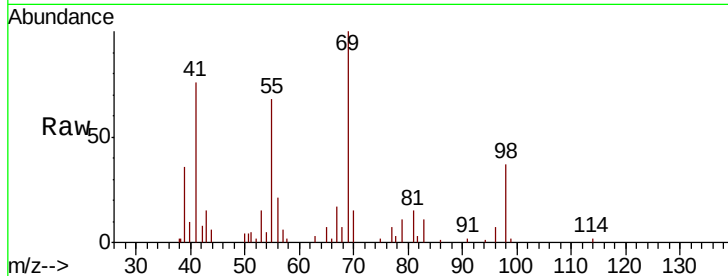
Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Mar 2022 2:18

Tot Ion: 69 Resp: 19385

Ion	Ratio	Lower	Upper
69	100		
41	0.0	110.3	165.5#
100	0.0	24.8	37.2#



#44

2,2,4-Trimethylpentane

Concen: 0.038 ppbv

RT: 7.80 min Scan# 1560

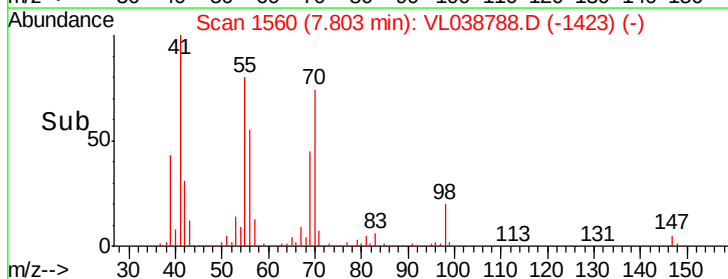
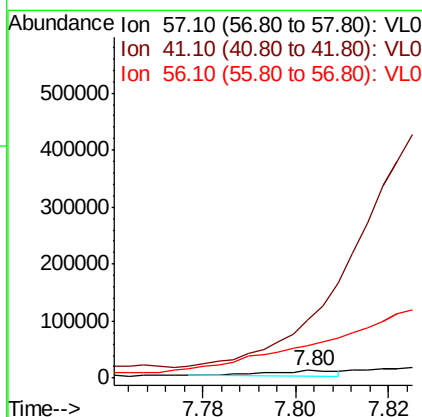
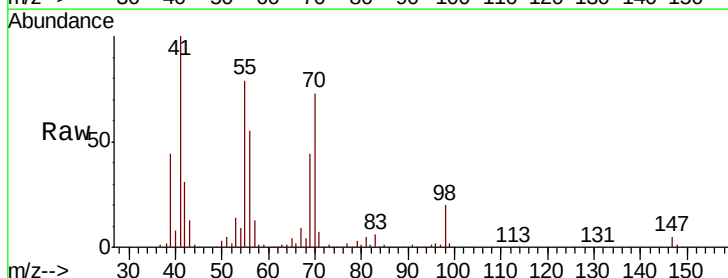
Delta R.T. -0.06 min

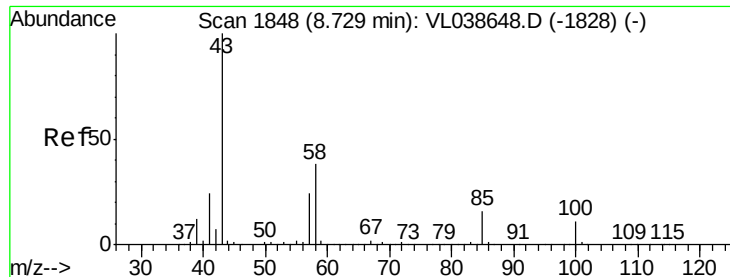
Lab File: VL038788.D

Acq: 29 Mar 2022 2:18

Tgt Ion: 57 Resp: 10685

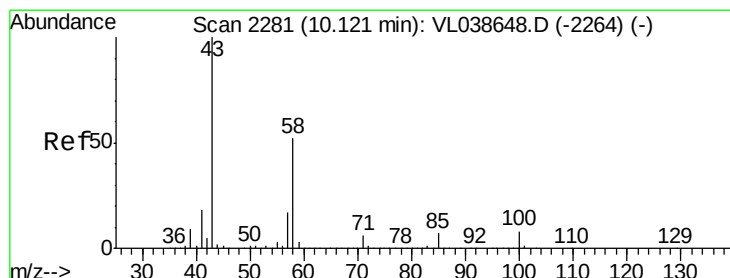
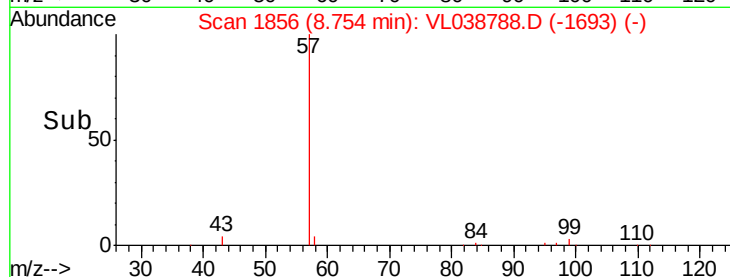
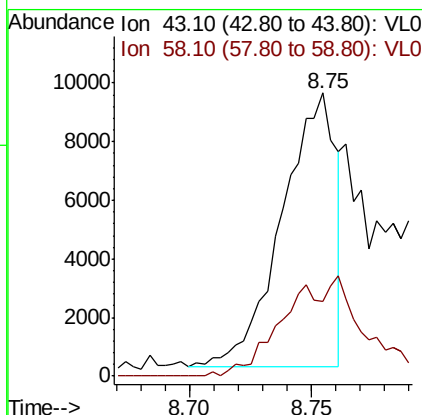
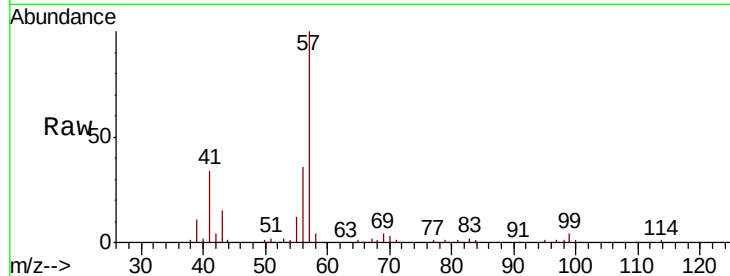
Ion	Ratio	Lower	Upper
57	100		
41	11183.2	23.0	34.4#
56	4018.9	25.3	37.9#





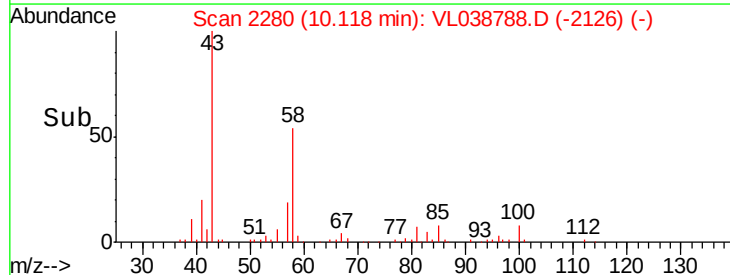
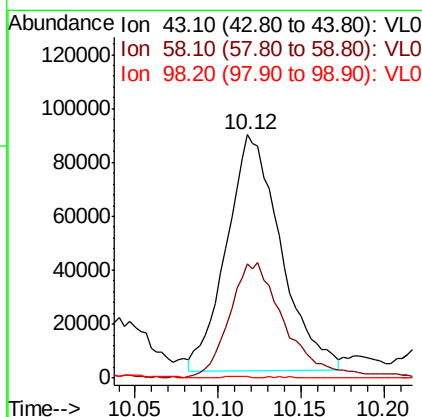
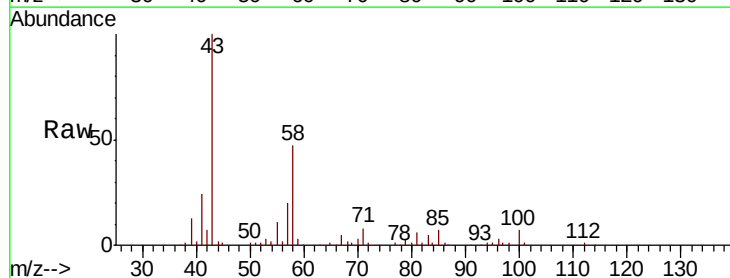
#50
4-Methyl-2-Pentanone
Concen: 0.089 ppbv
RT: 8.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 29 Mar 2022 2:18

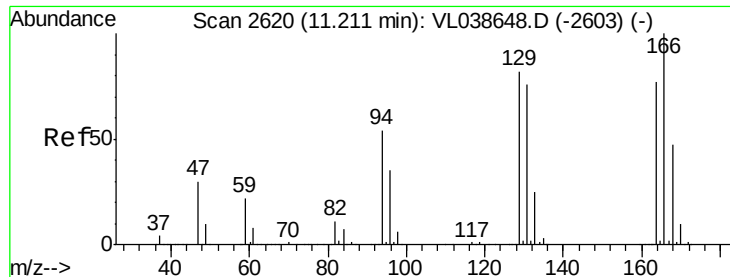
Tot Ion: 43 Resp: 14338
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#



#51
2-Hexanone
Concen: 1.721 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

Tgt Ion: 43 Resp: 198867
Ion Ratio Lower Upper
43 100
58 50.6 41.2 61.8
98 0.4 0.2 0.4#





#52

Tetrachloroethene

Concen: 2.999 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Mar 2022 2:18

Tot Ion:164 Resp: 185146

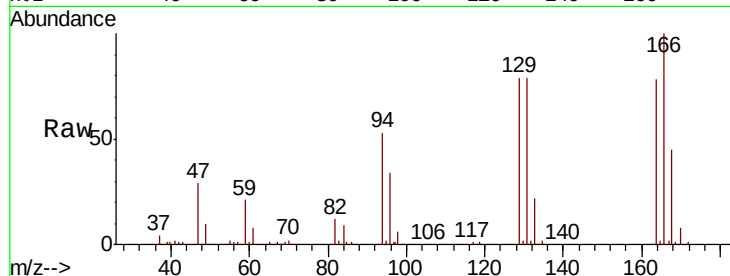
Ion Ratio Lower Upper

164 100

166 128.4 103.3 154.9

129 101.5 85.2 127.8

131 100.8 78.3 117.5



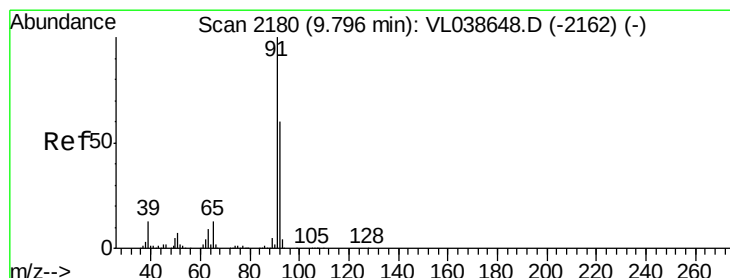
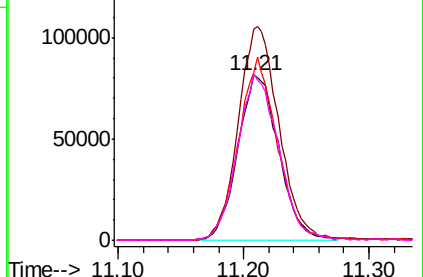
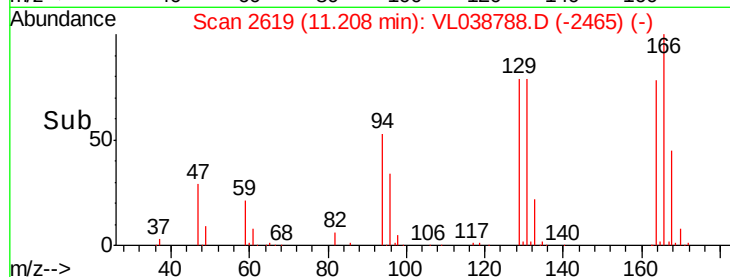
Abundance Ion 163.90 (163.60 to 164.60): V

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--> 11.10 11.20 11.30



#53

Toluene

Concen: 0.505 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL038788.D

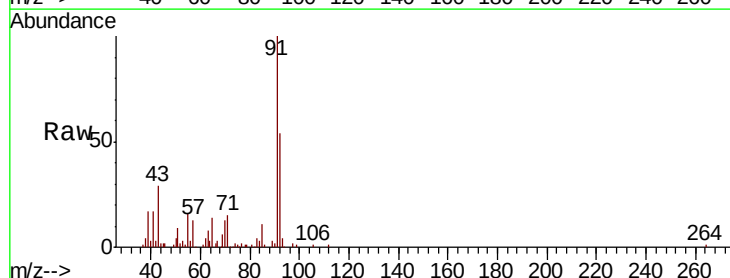
Acq: 29 Mar 2022 2:18

Tgt Ion: 91 Resp: 91591

Ion Ratio Lower Upper

91 100

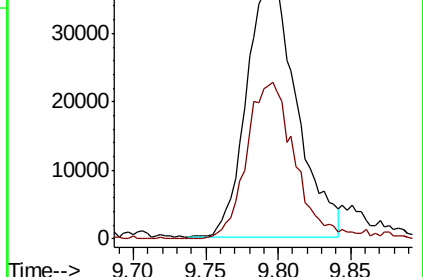
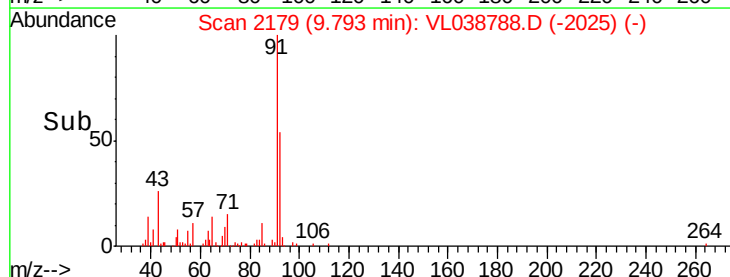
92 59.4 48.7 73.1

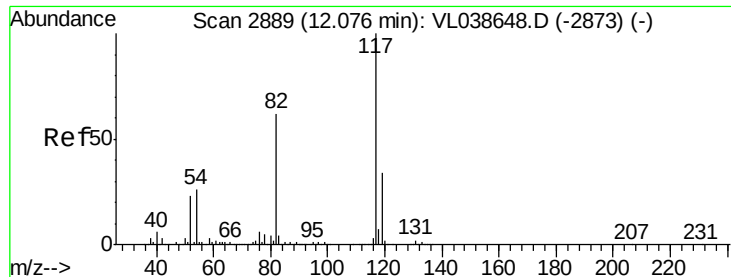


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

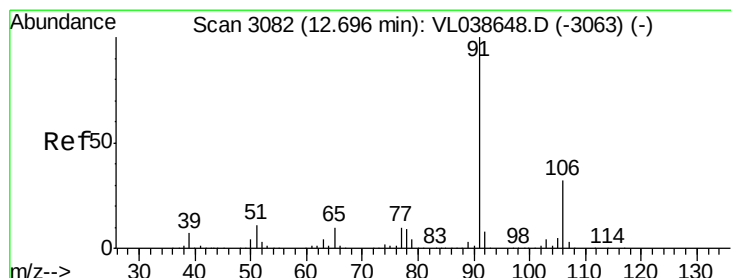
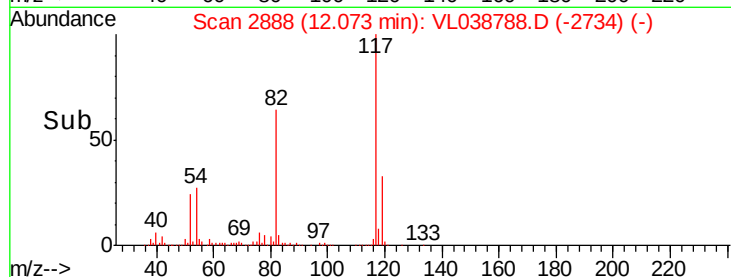
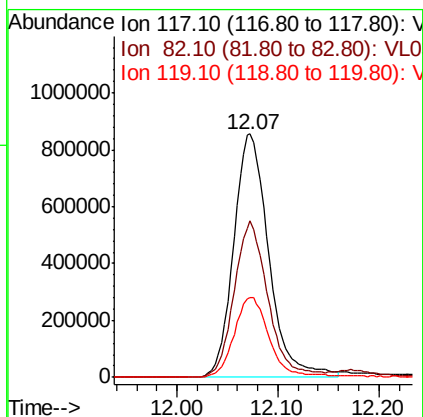
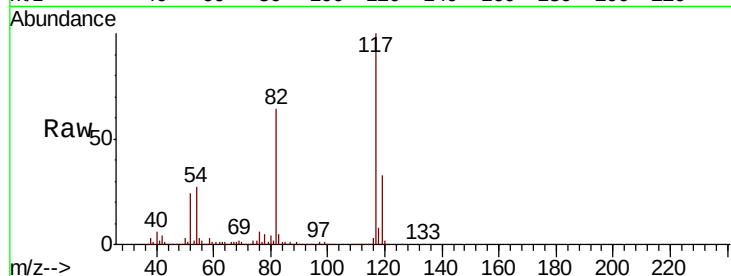
Time--> 9.70 9.75 9.80 9.85





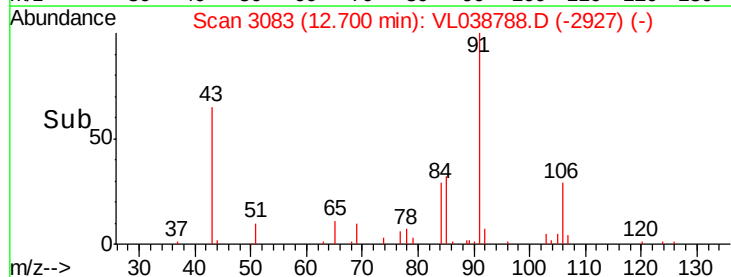
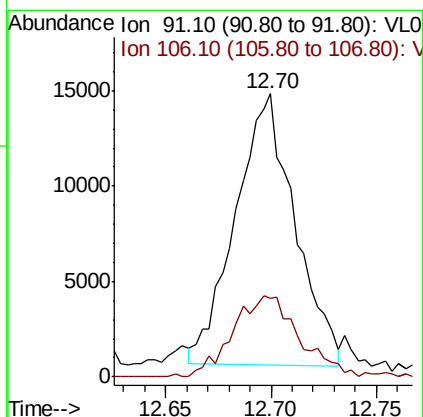
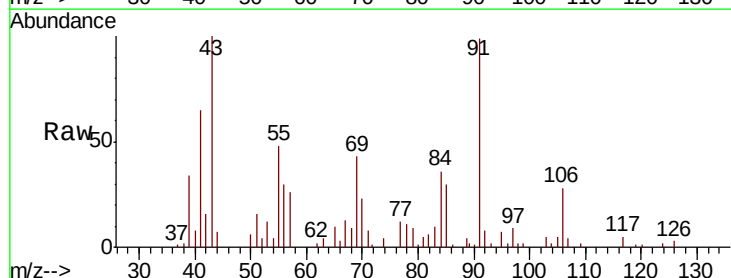
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1
Acq: 29 Mar 2022 2:18

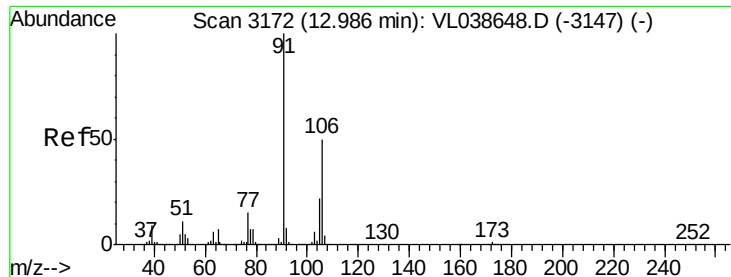
Tot Ion: 117 Resp: 2069646
Ion Ratio Lower Upper
117 100
82 61.7 51.6 77.4
119 34.3 26.9 40.3



#58
Ethyl Benzene
Concen: 0.114 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: 0.00 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

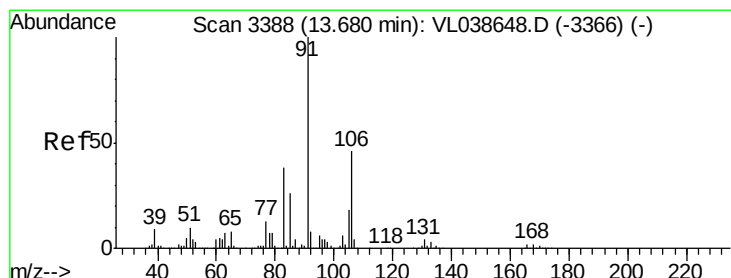
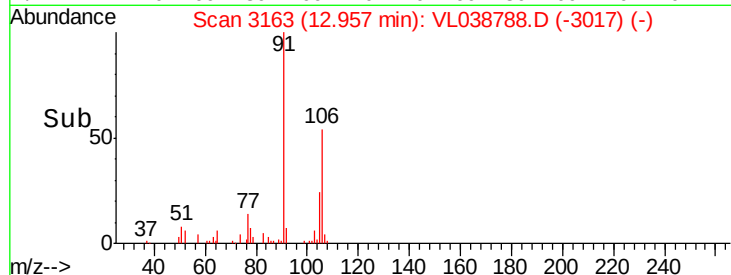
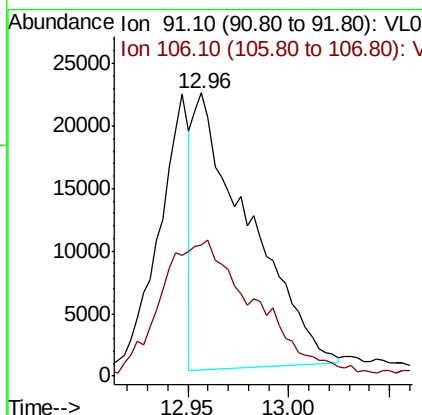
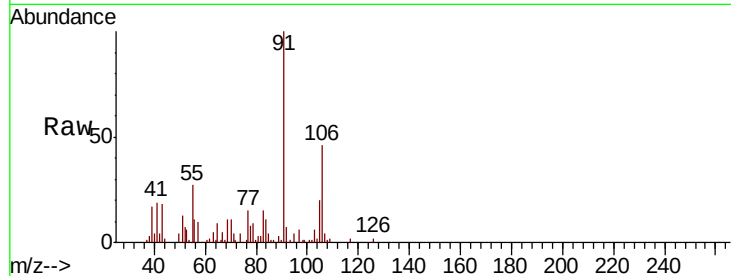
Tgt Ion: 91 Resp: 27641
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0





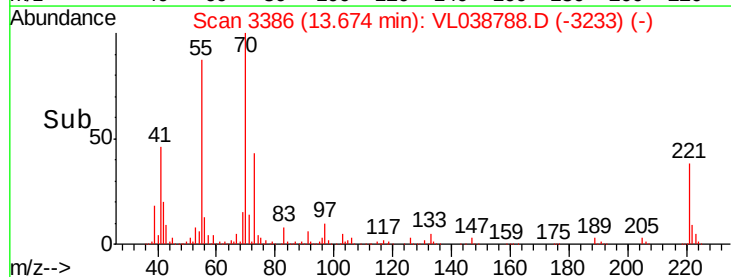
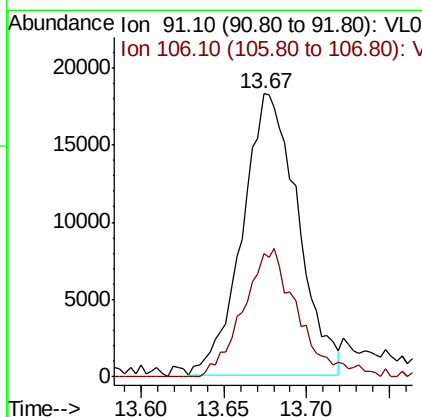
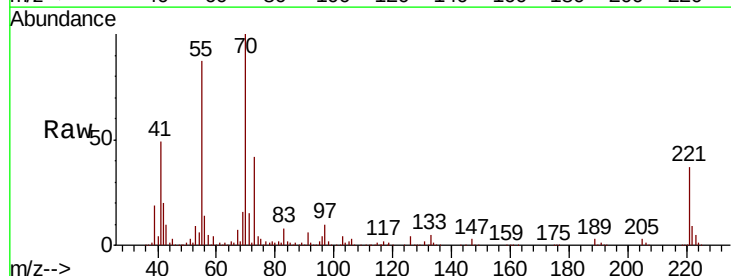
#59
m/p-Xylene
Concen: 0.199 ppbv
RT: 12.96 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 2:18

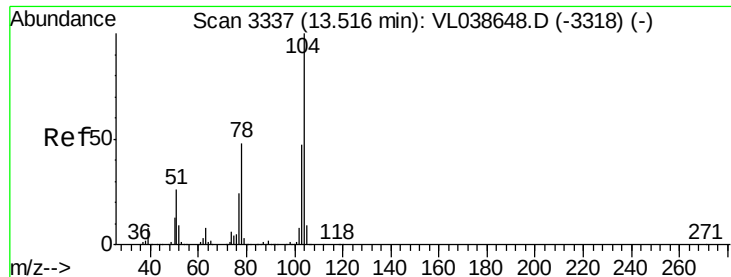
Tot Ion: 91 Resp: 42013
Ion Ratio Lower Upper
91 100
106 87.2 37.2 55.8#



#60
o-Xylene
Concen: 0.210 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038788.D
Acq: 29 Mar 2022 2:18

Tgt Ion: 91 Resp: 42238
Ion Ratio Lower Upper
91 100
106 45.0 23.5 70.5





#61

Stvrene

Concen: 0.110 ppbv

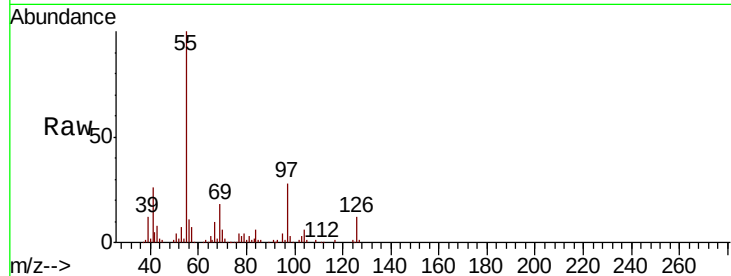
RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Mar 2022 2:18

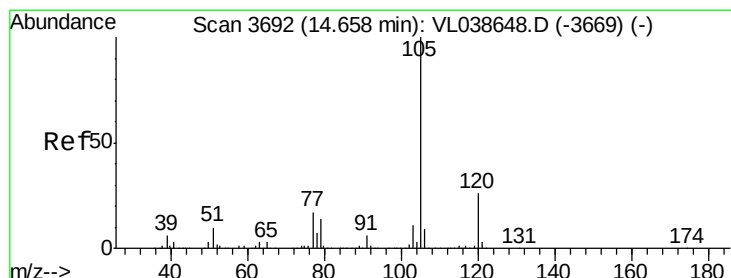
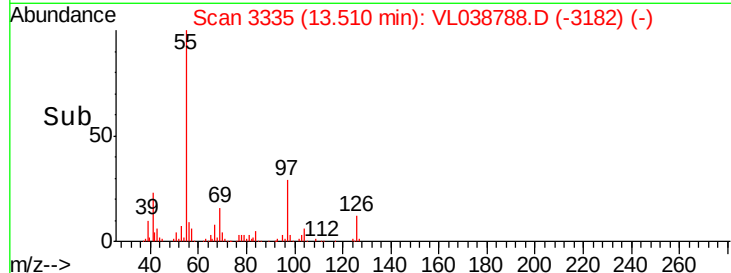
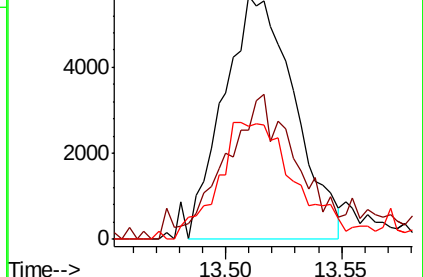
Tot Ion:	104	Resp:	12002
Ion	Ratio	Lower	Upper
104	100		
78	62.2	39.0	58.4#
103	53.2	37.8	56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.158 ppbv

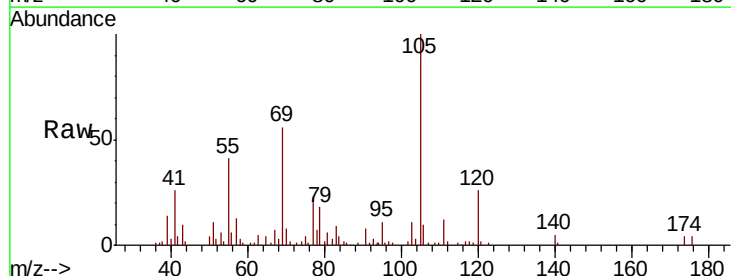
RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL038788.D

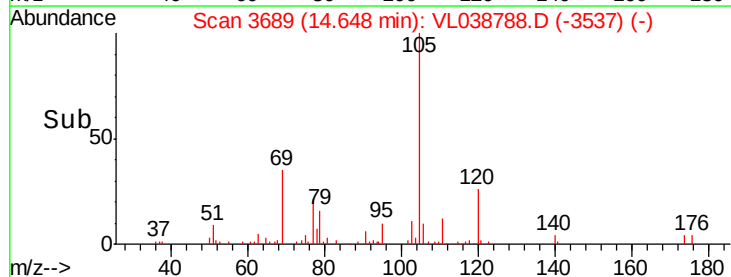
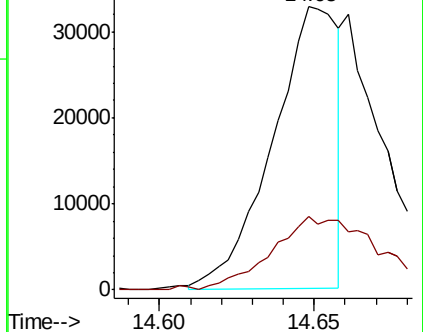
Acq: 29 Mar 2022 2:18

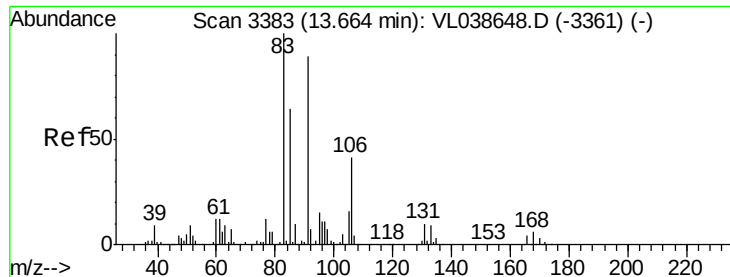
Tgt Ion:	105	Resp:	47861
Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.2	31.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.335 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Mar 2022 2:18

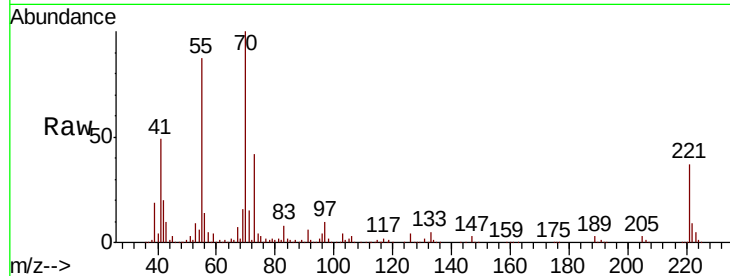
Tot Ion: 83 Resp: 52220

Ion Ratio Lower Upper

83 100

131 25.3 4.8 14.3#

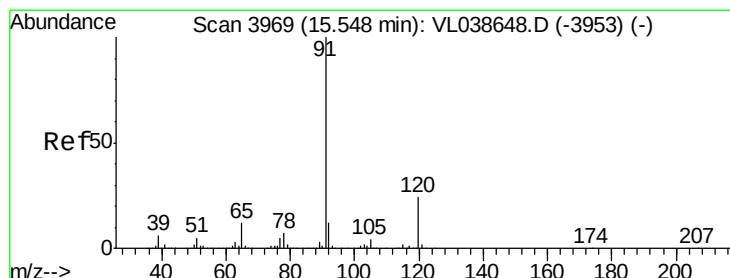
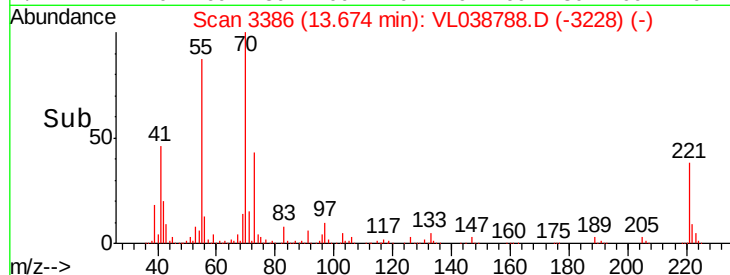
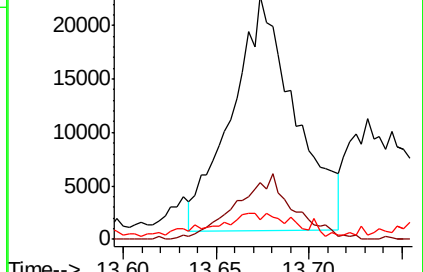
85 13.6 32.6 97.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.050 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.01 min

Lab File: VL038788.D

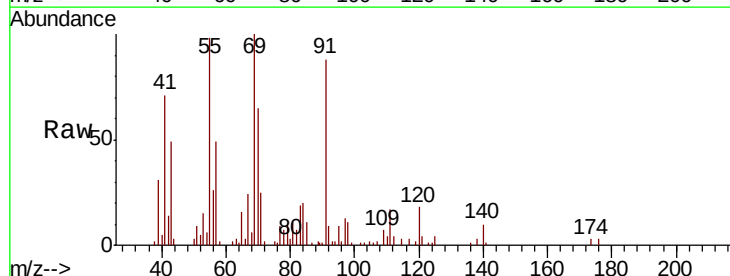
Acq: 29 Mar 2022 2:18

Tgt Ion: 120 Resp: 3961

Ion Ratio Lower Upper

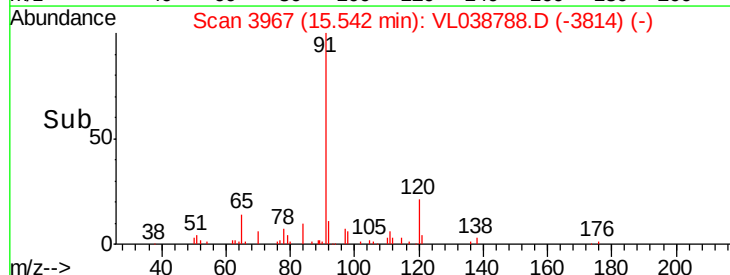
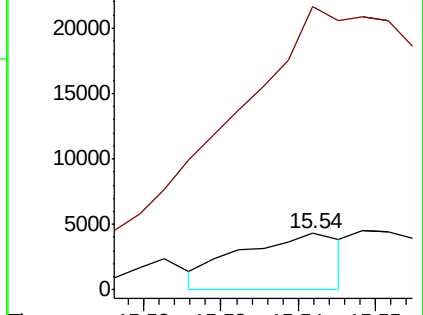
120 100

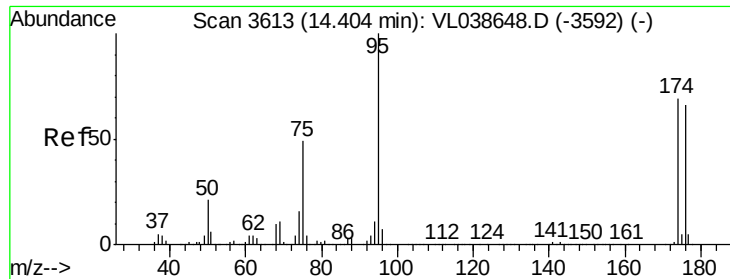
91 1559.5 368.0 552.0#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.812 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Mar 2022 2:18 SV1

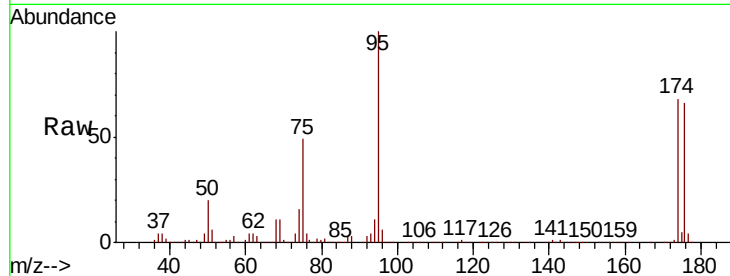
Tot Ion: 95 Resp: 1556901

Ion Ratio Lower Upper

95 100

174 75.5 56.1 84.1

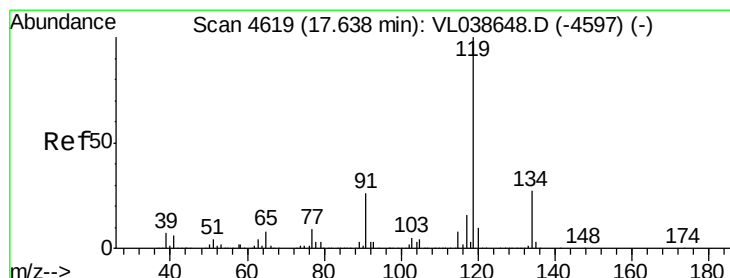
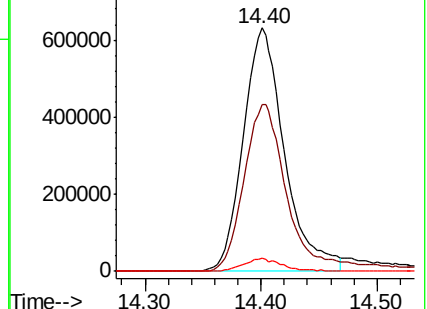
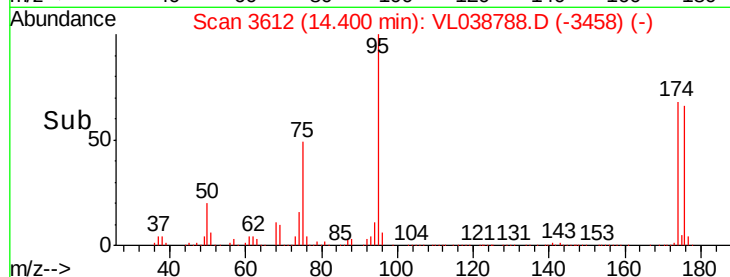
175 5.4 4.2 6.2



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: 0.059 ppbv

RT: 17.64 min Scan# 4621

Delta R.T. 0.01 min

Lab File: VL038788.D

Acq: 29 Mar 2022 2:18

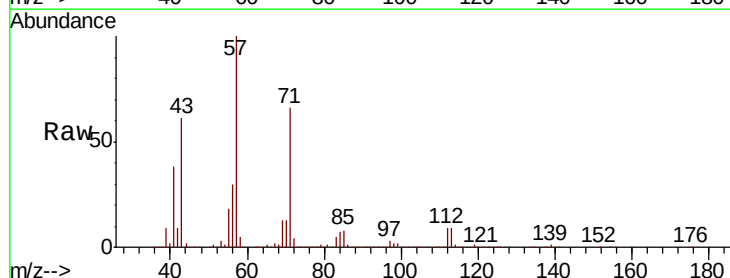
Tgt Ion: 119 Resp: 18596

Ion Ratio Lower Upper

119 100

134 24.5 21.2 31.8

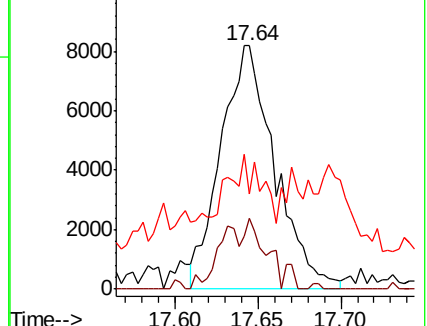
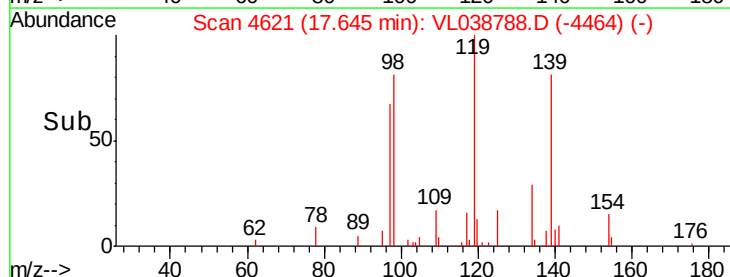
91 58.4 21.4 32.2#

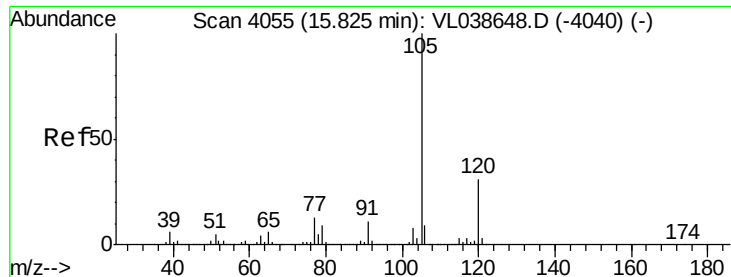


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

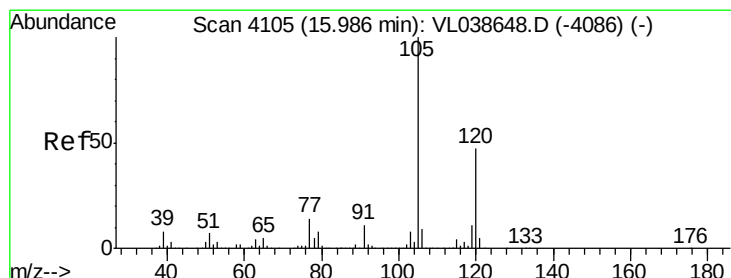
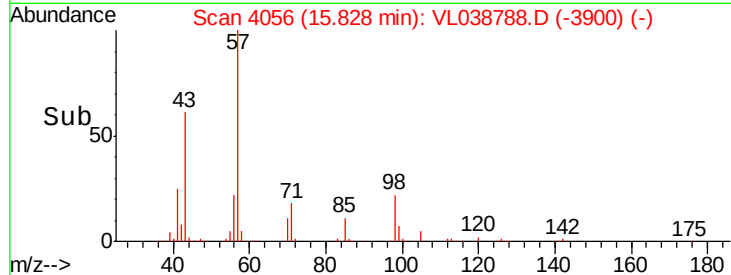
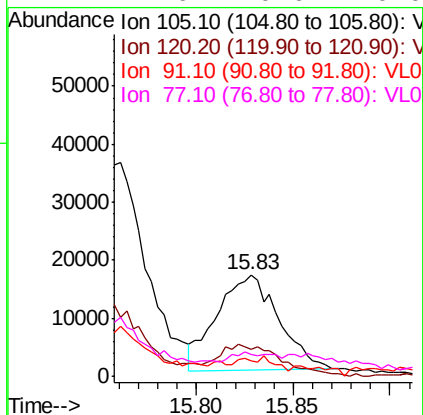
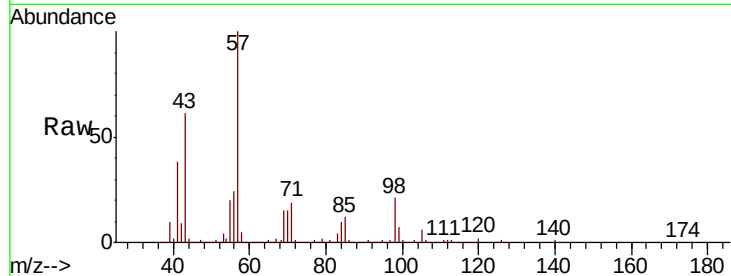
Ion 91.10 (90.80 to 91.80): VL0





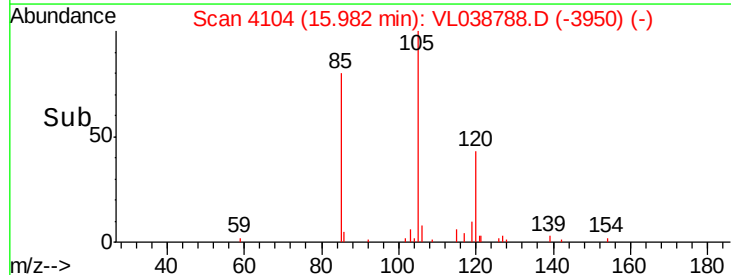
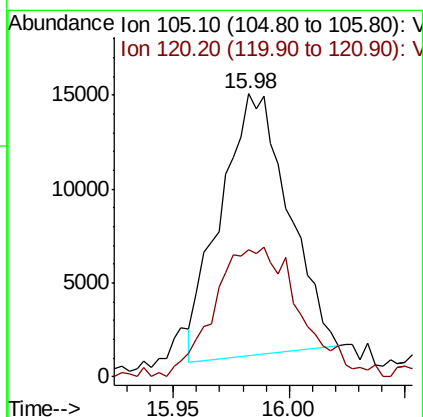
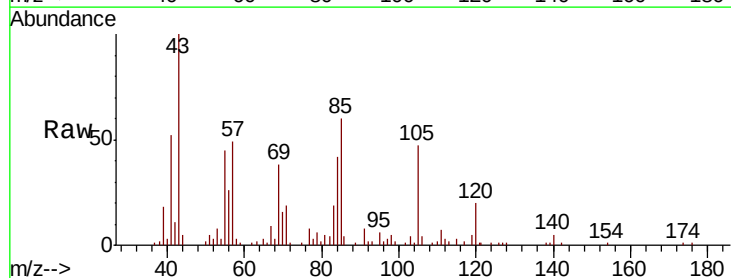
#72
 4-Ethyltoluene
 Concen: 0.153 ppbv
 RT: 15.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Mar 2022 2:18

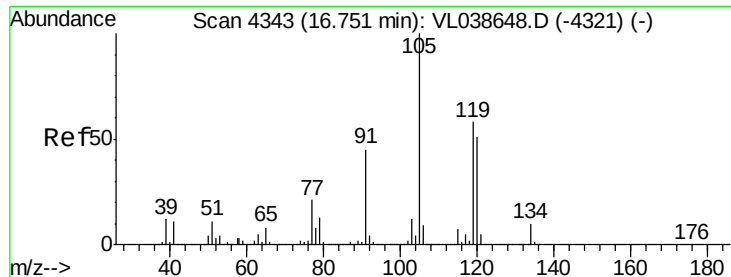
Tot Ion:	105	Resp:	36387
Ion Ratio	Lower	Upper	
105	100		
120	34.4	24.9	37.3
91	11.4	9.8	14.6
77	22.6	10.6	16.0#



#73
 1,3,5-Trimethylbenzene
 Concen: 0.131 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. -0.00 min
 Lab File: VL038788.D
 Acq: 29 Mar 2022 2:18

Tgt Ion:	105	Resp:	28341
Ion Ratio	Lower	Upper	
105	100		
120	41.1	37.6	56.4





#74

1,2,4-Trimethylbenzene

Concen: 0.289 ppbv

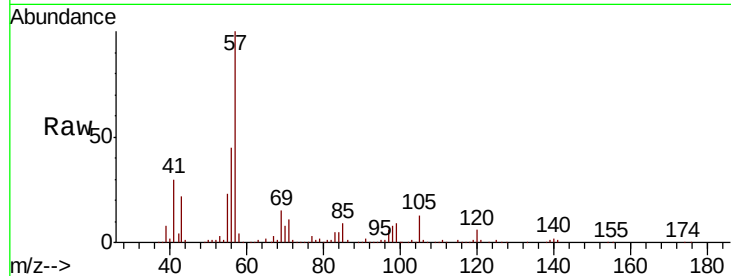
RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Mar 2022 2:18

Tot Ion:	105	Resp:	68020
Ion Ratio	Lower	Upper	
105	100		
120	54.9	40.5	60.7
91	11.7	35.9	53.9#
77	21.2	16.6	25.0

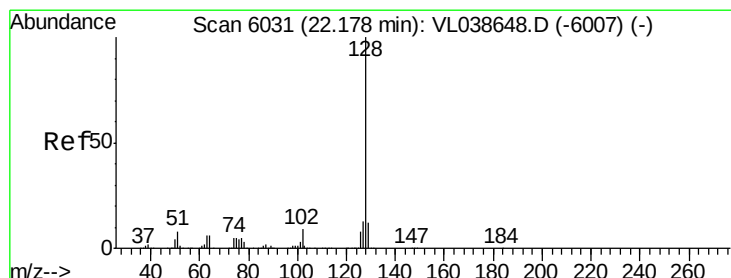
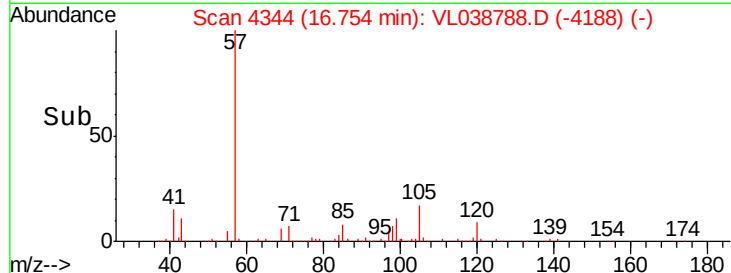
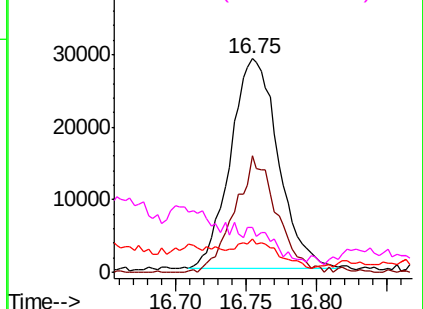


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.069 ppbv

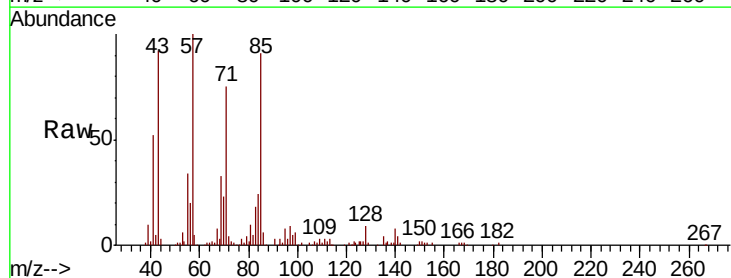
RT: 22.19 min Scan# 6034

Delta R.T. 0.01 min

Lab File: VL038788.D

Acq: 29 Mar 2022 2:18

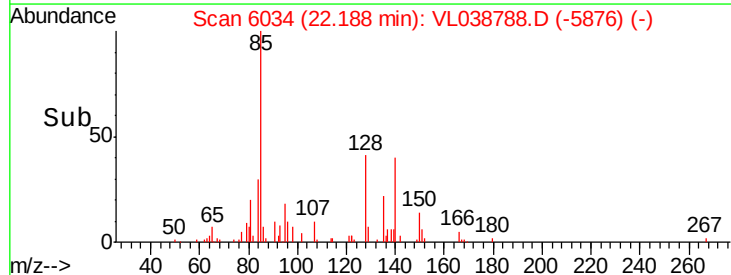
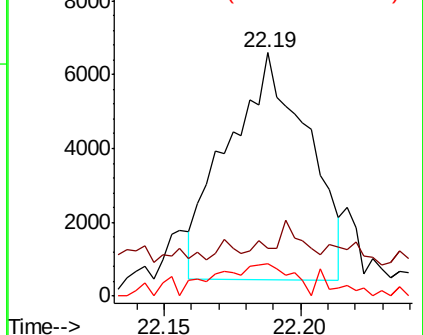
Tgt Ion:	128	Resp:	12452
Ion Ratio	Lower	Upper	
128	100		
127	6.0	10.2	15.4#
129	14.1	9.2	13.8#

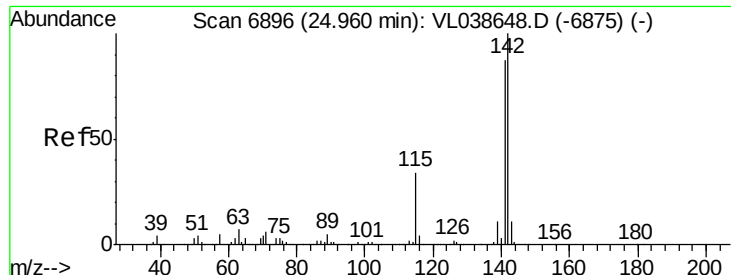


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

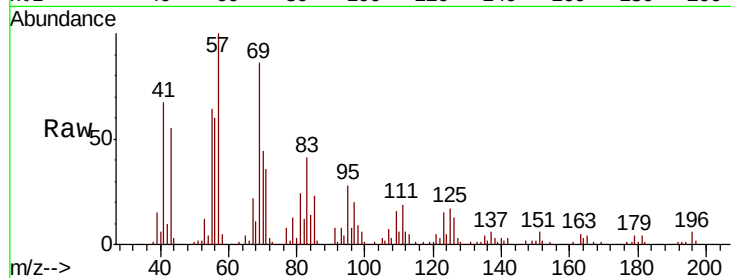
Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.038 ppbv
 RT: 24.98
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 29 Mar 2022 2:18

Tot Ion	Ratio	Lower	Upper
142	100		
141	144.9	66.4	99.6#
115	115.2	27.8	41.6#



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

