

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038800.D
 Acq On : 30 Mar 2022 18:43
 Operator : SY/AP
 Sample : N2169-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 04:12:49 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	749325	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2258237	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2043780	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1469873	9.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	144137	1.431	ppbv 99
3) Chlorodifluoromethane	2.99	51	24194	0.306	ppbv # 88
4) Chloromethane	3.14	50	11931	0.275	ppbv # 81
7) Chloroethane	3.56	64	3310	0.226	ppbv # 87
9) Propene	3.01	41	49933	1.307	ppbv # 15
10) Heptane	8.11	43	84352	0.924	ppbv 99
11) Trichlorofluoromethane	3.94	101	41057	0.462	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5378	0.079	ppbv 91
13) Ethanol	3.60	45	47592	11.292	ppbv 97
15) Acetone	3.84	43	1122097	17.355	ppbv 96
16) 1,3-Butadiene	3.31	39	94601	2.578	ppbv # 15
17) tert-Butyl alcohol	4.30	59	5206	0.092	ppbv # 51
19) Isopropyl Alcohol	3.97	45	19475	0.543	ppbv # 91
20) Methylene Chloride	4.34	84	72534	2.663	ppbv 93
21) Allyl Chloride	4.35	41	1716	0.037	ppbv # 38
23) Vinyl Acetate	5.06	43	10787	0.172	ppbv # 47
25) Ethyl Acetate	5.68	43	861379	5.292	ppbv # 78
26) Hexane	5.68	57	1173800	16.109	ppbv # 27
27) Carbon Disulfide	4.55	76	135857	1.901	ppbv 96
28) Methyl tert-Butyl Ether	5.03	73	32211	0.593	ppbv 98
29) Chloroform	5.75	83	4683	0.040	ppbv 87
30) Cyclohexane	7.12	84	9448	0.149	ppbv # 1
32) 1,1,1-Trichloroethane	6.51	97	32617	0.290	ppbv 99
34) 2-Butanone	5.24	43	340239	3.807	ppbv 97
36) Benzene	6.89	78	42042	0.241	ppbv 98
39) 1,2-Dichloropropane	7.17	63	491189	7.209	ppbv # 28
41) Tetrahydrofuran	5.76	42	8068	0.121	ppbv # 38
44) 2,2,4-Trimethylpentane	7.86	57	46292	0.158	ppbv # 44
51) 2-Hexanone	10.13	43	362620	3.038	ppbv 97
52) Tetrachloroethene	11.21	164	717639	11.252	ppbv 97
53) Toluene	9.79	91	185289	0.989	ppbv 97
58) Ethyl Benzene	12.70	91	38158	0.160	ppbv 94
59) m/p-Xylene	12.96	91	109531	0.524	ppbv 93
60) o-Xylene	13.68	91	52939	0.267	ppbv 97
61) Styrene	13.51	104	3866	0.036	ppbv # 1
62) Isopropylbenzene	14.66	105	96423	0.323	ppbv 99
69) p-Isopropyltoluene	17.64	119	13280	0.042	ppbv # 31
73) 1,3,5-Trimethylbenzene	15.99	105	9037	0.042	ppbv 97
74) 1,2,4-Trimethylbenzene	16.75	105	40016	0.172	ppbv # 75
79) Naphthalene	22.18	128	9174	0.052	ppbv # 86
80) Naphthalene,2-methyl-	24.97	142	1512	0.032	ppbv # 77

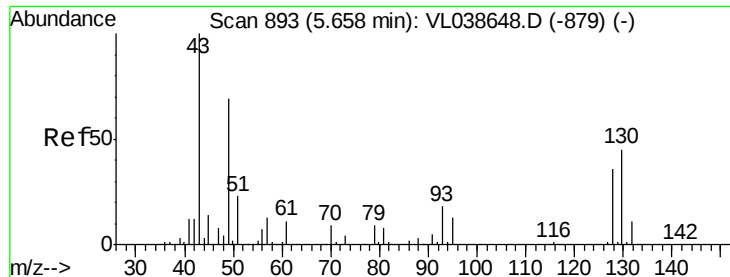
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
Data File : VL038800.D
Acq On : 30 Mar 2022 18:43
Operator : SY/AP
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Misc : 400mL/MSVOA L
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Instrument :
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Quant Time: Mar 31 04:12:49 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:43

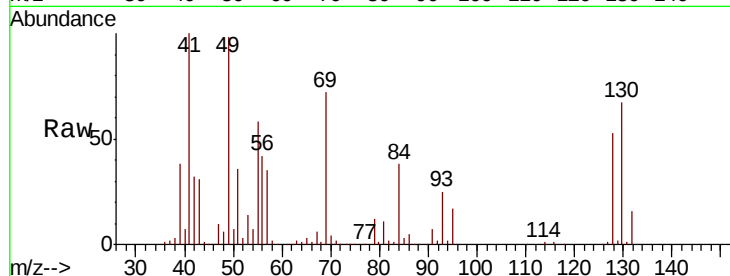
Tot Ion: 49 Resp: 749325

Ion Ratio Lower Upper

49 100

128 56.9 26.2 78.6

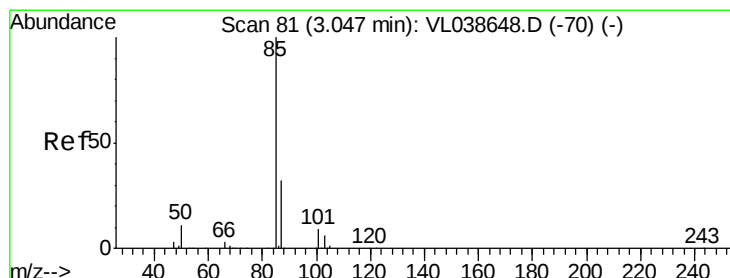
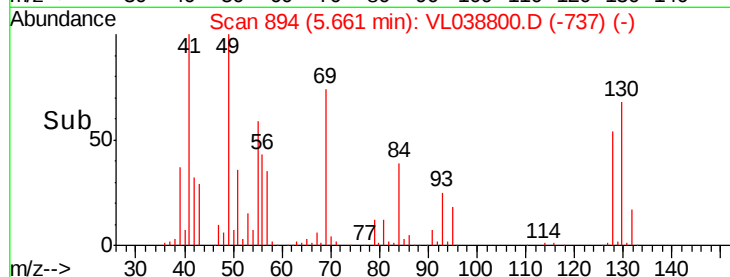
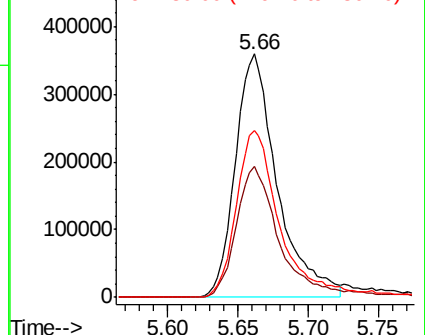
130 72.6 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.431 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038800.D

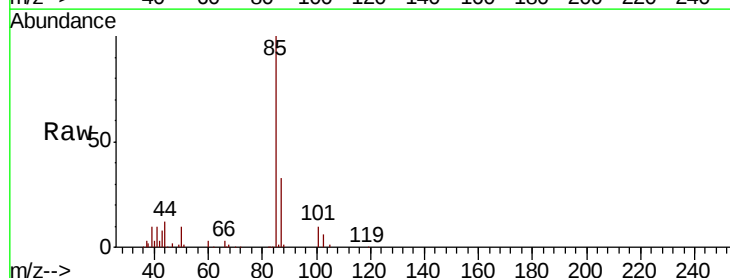
Acq: 30 Mar 2022 18:43

Tgt Ion: 85 Resp: 144137

Ion Ratio Lower Upper

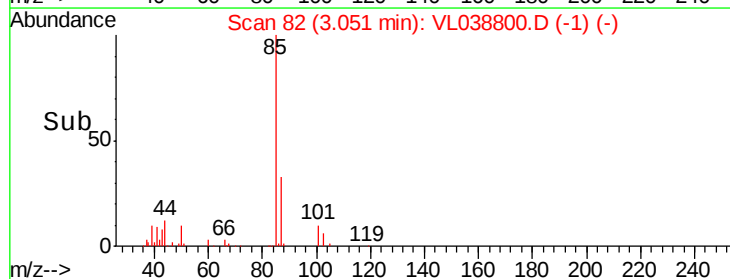
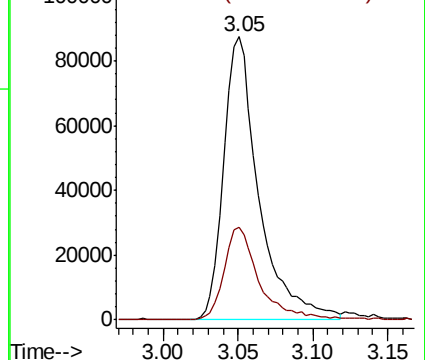
85 100

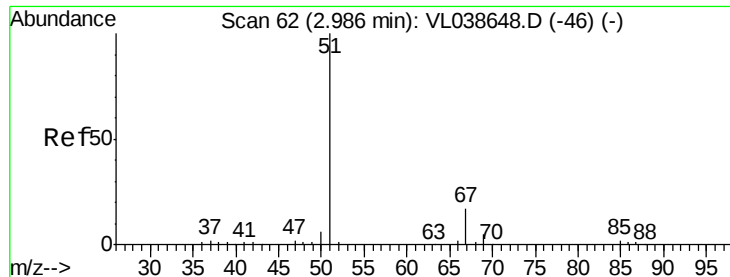
87 32.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.306 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

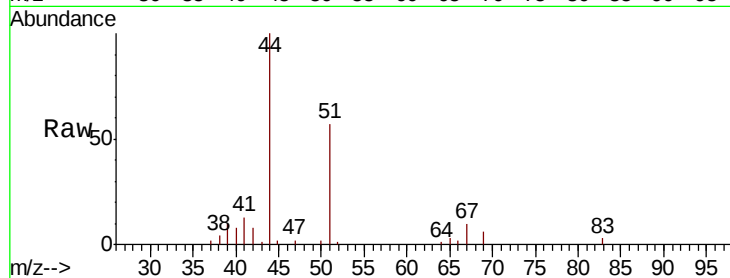
Acq: 30 Mar 2022 18:43

Tot Ion: 51 Resp: 24194

Ion Ratio Lower Upper

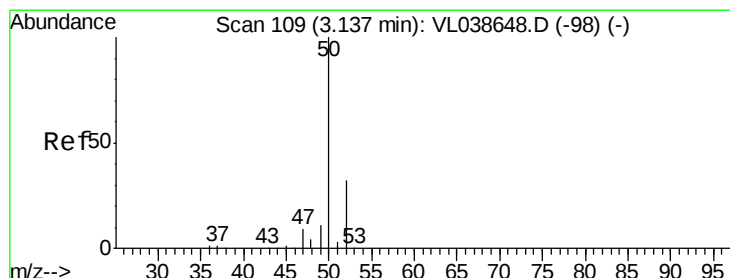
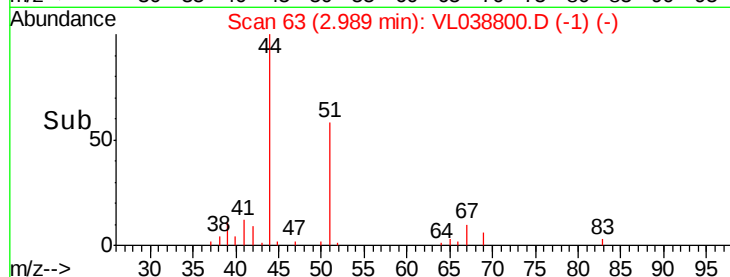
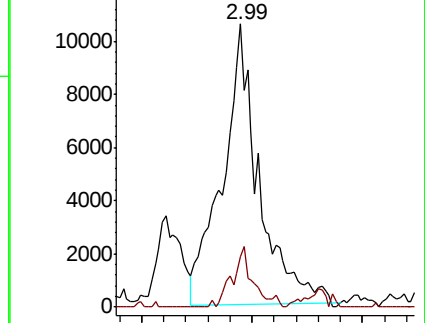
51 100

67 12.1 14.1 21.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.275 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038800.D

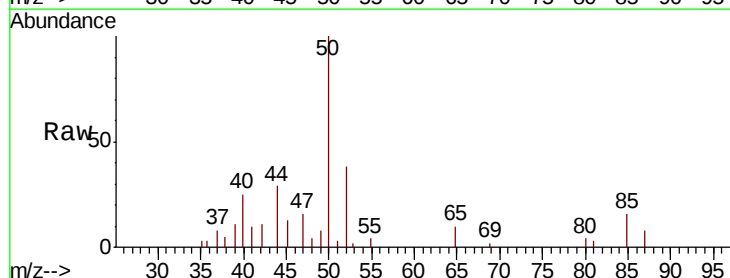
Acq: 30 Mar 2022 18:43

Tgt Ion: 50 Resp: 11931

Ion Ratio Lower Upper

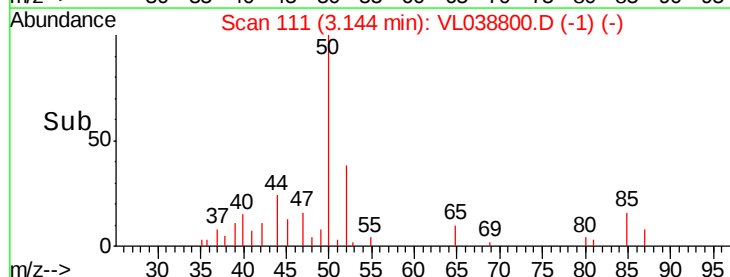
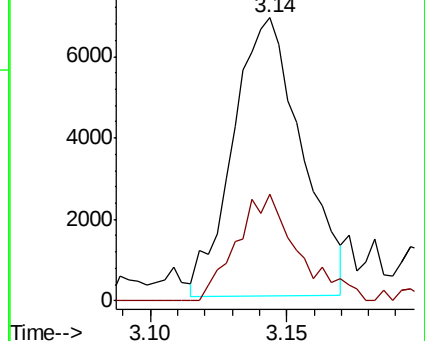
50 100

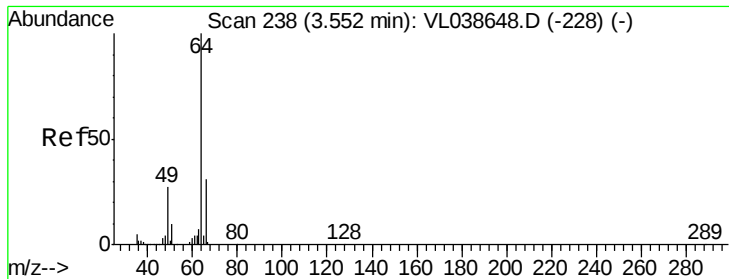
52 42.6 25.5 38.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.226 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

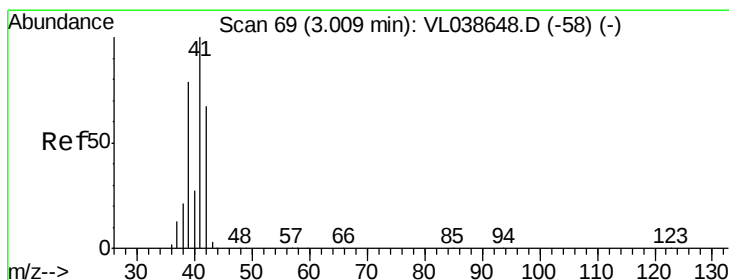
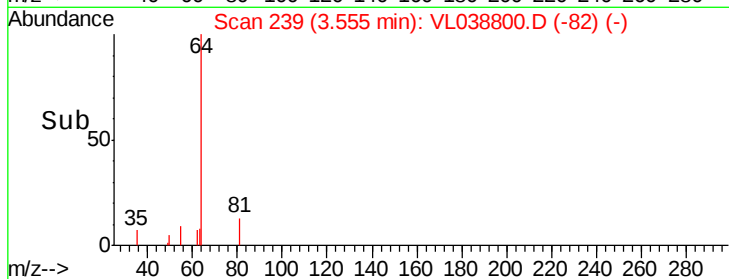
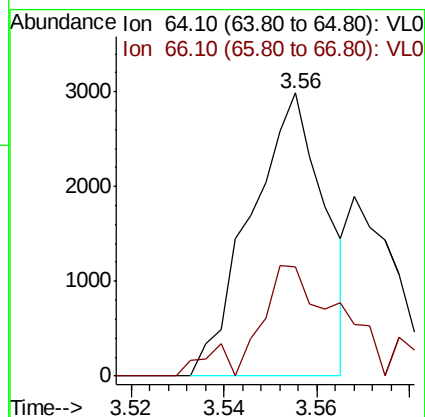
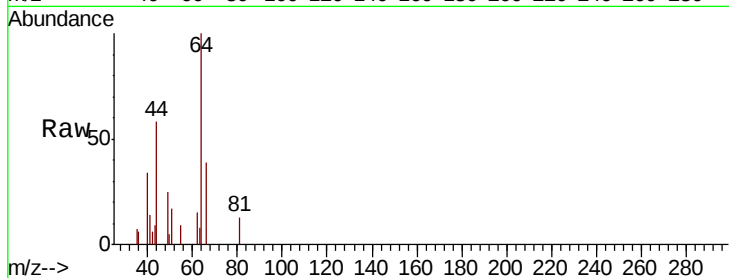
Acq: 30 Mar 2022 18:43

Tot Ion: 64 Resp: 3310

Ion Ratio Lower Upper

64 100

66 38.7 25.0 37.6#



#9

Propene

Concen: 1.307 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL038800.D

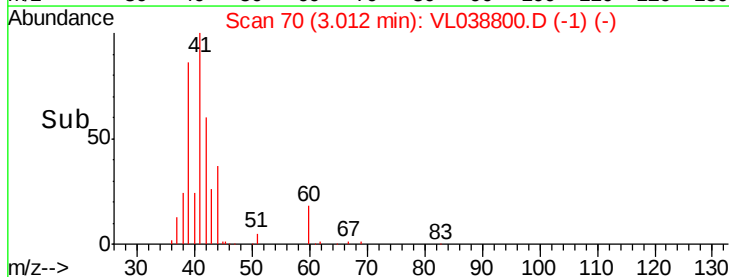
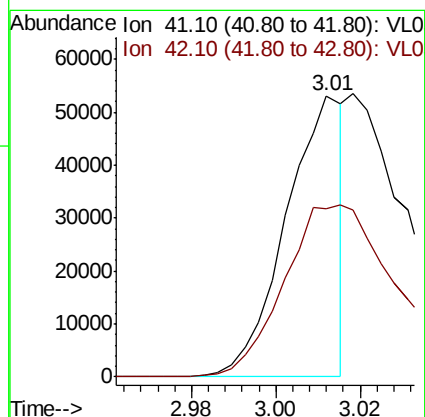
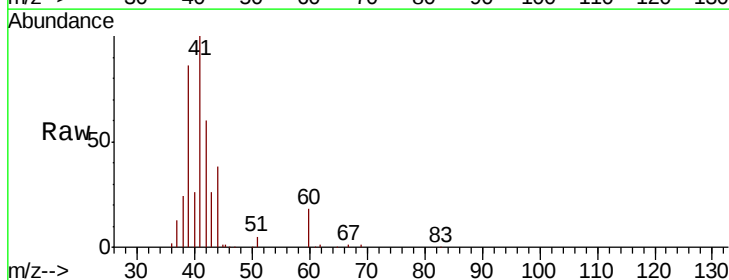
Acq: 30 Mar 2022 18:43

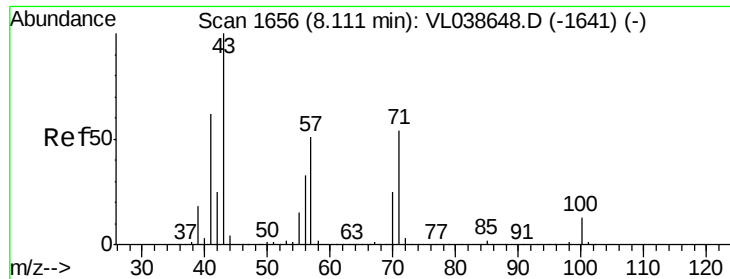
Tgt Ion: 41 Resp: 49933

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.4#





#10

Heptane

Concen: 0.924 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

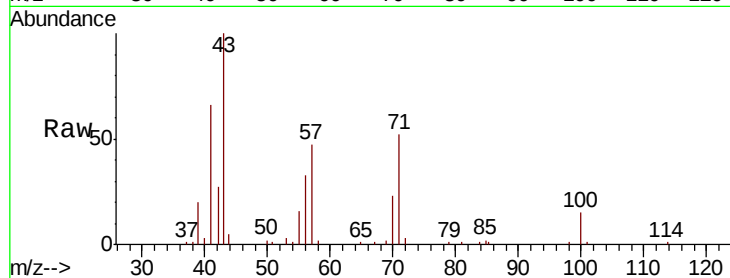
Acq: 30 Mar 2022 18:43

Tot Ion: 43 Resp: 84352

Ion Ratio Lower Upper

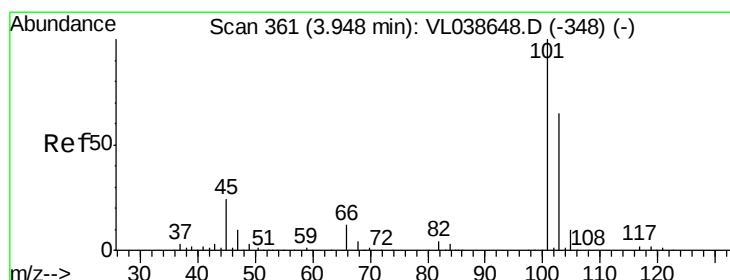
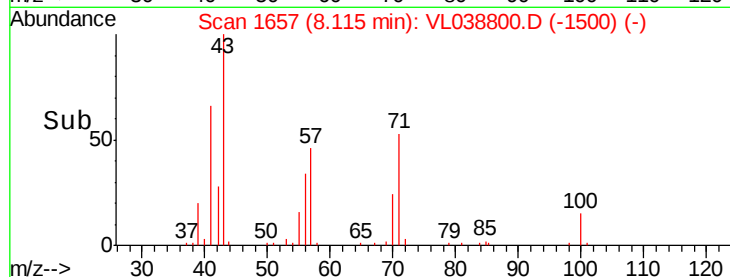
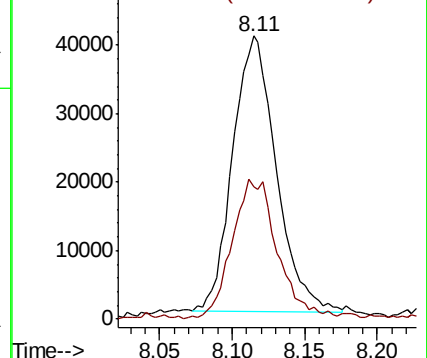
43 100

57 52.3 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.462 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL038800.D

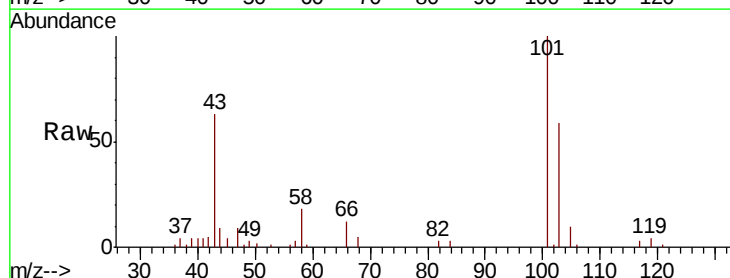
Acq: 30 Mar 2022 18:43

Tgt Ion:101 Resp: 41057

Ion Ratio Lower Upper

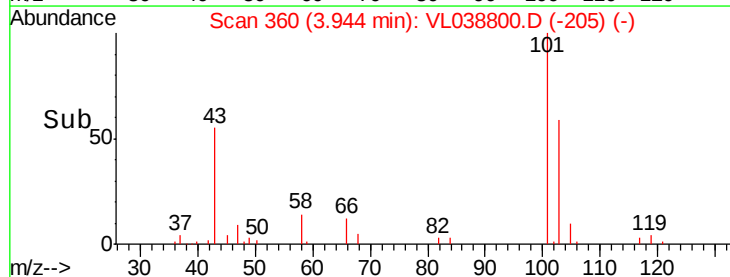
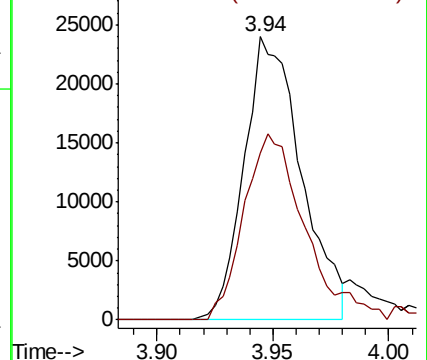
101 100

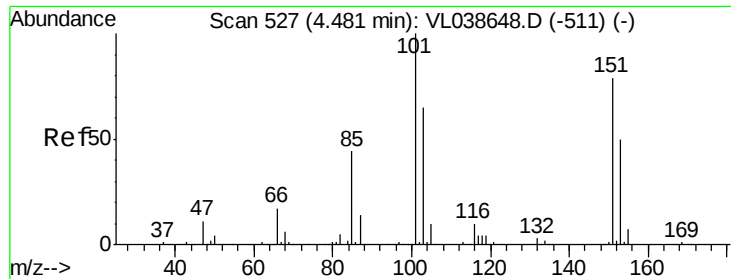
103 59.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

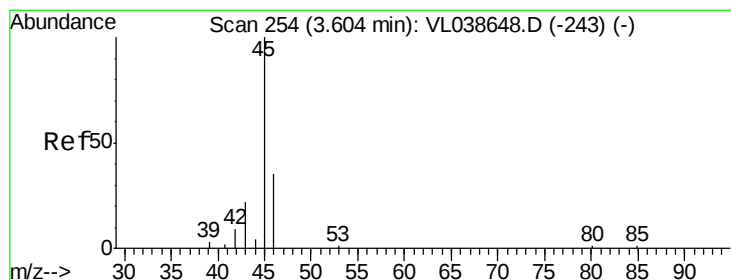
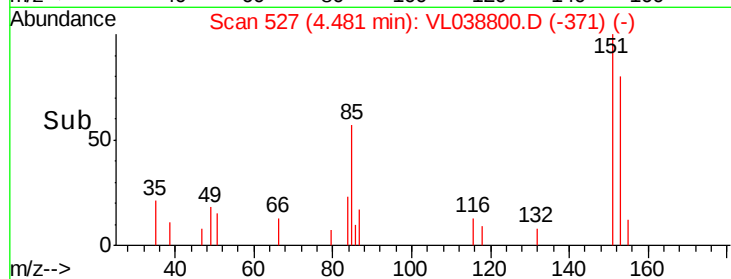
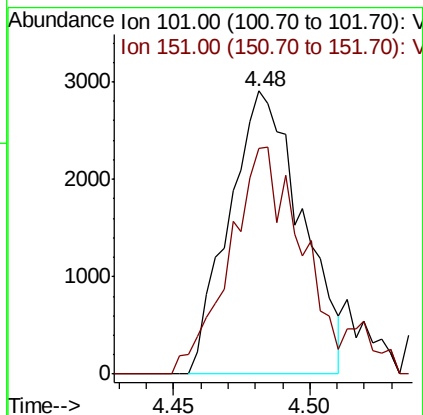
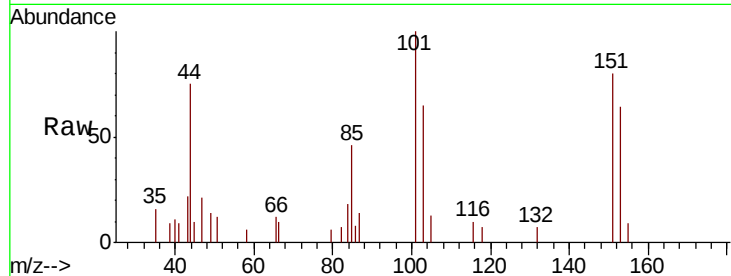
Ion 103.00 (102.70 to 103.70): V





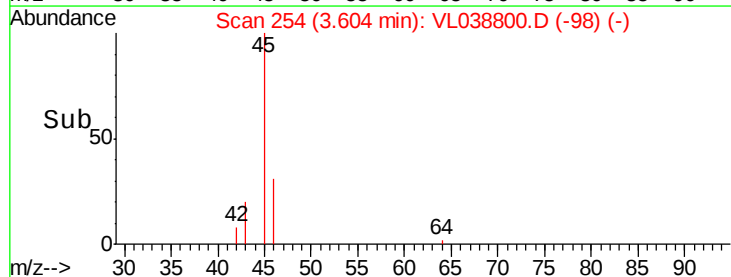
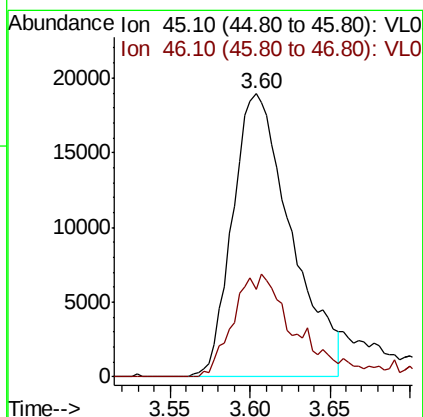
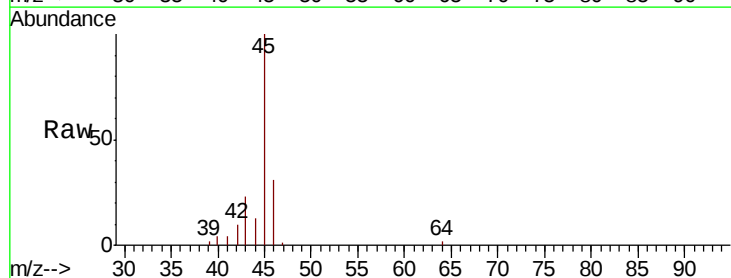
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.079 ppbv
 RT: 4.48
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:43

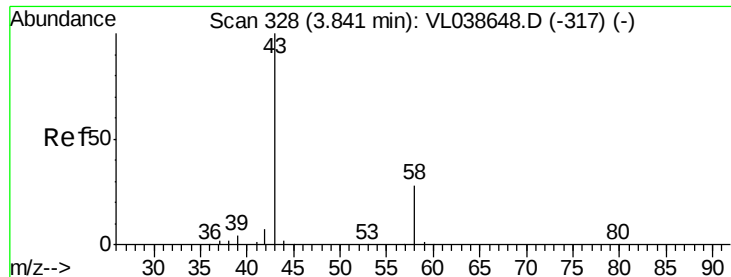
Tot Ion: 101 Resp: 5378
 Ion Ratio Lower Upper
 101 100
 151 86.1 62.9 94.3



#13
 Ethanol
 Concen: 11.292 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VL038800.D
 Acq: 30 Mar 2022 18:43

Tgt Ion: 45 Resp: 47592
 Ion Ratio Lower Upper
 45 100
 46 39.8 15.1 60.5





#15

Acetone

Concen: 17.355 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

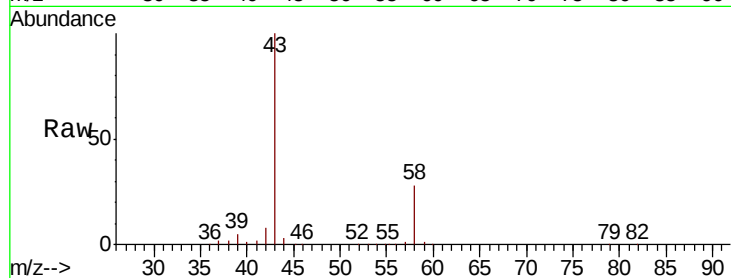
Acq: 30 Mar 2022 18:43

Tot Ion: 43 Resp: 1122097

Ion Ratio Lower Upper

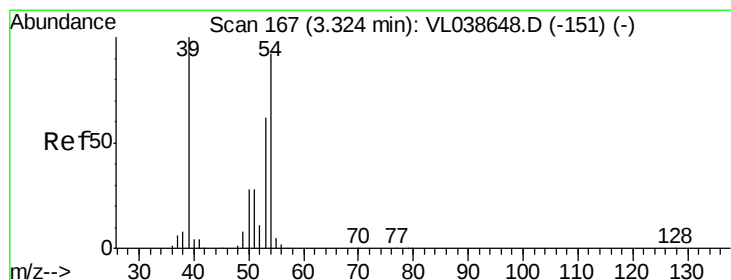
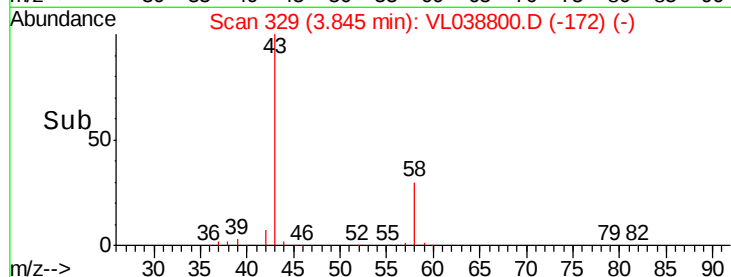
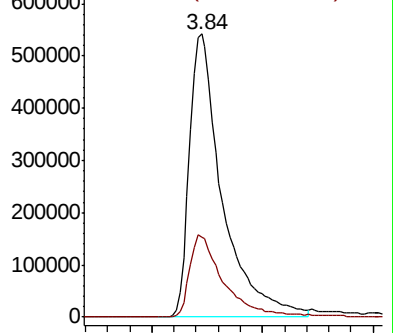
43 100

58 31.1 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 2.578 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL038800.D

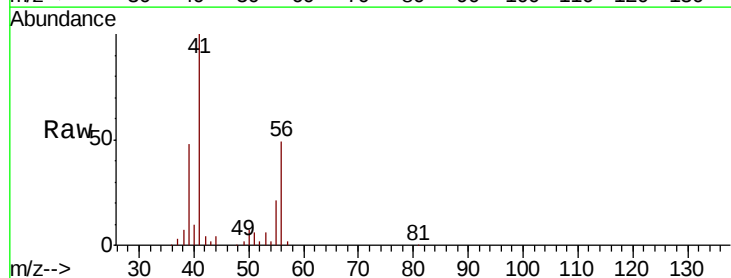
Acq: 30 Mar 2022 18:43

Tgt Ion: 39 Resp: 94601

Ion Ratio Lower Upper

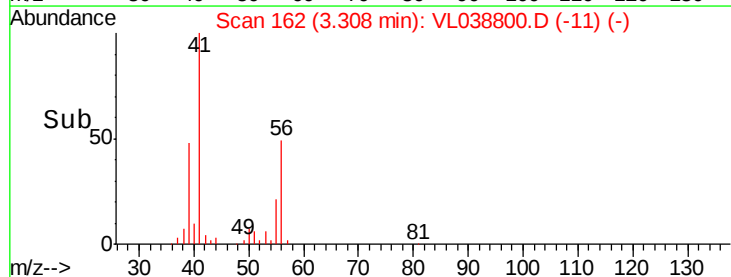
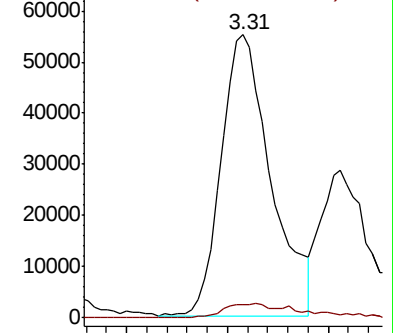
39 100

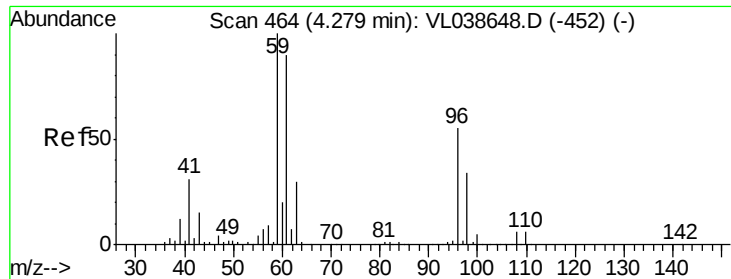
54 8.0 69.1 103.7#



Abundance Ion 39.10 (38.80 to 39.80): VL0

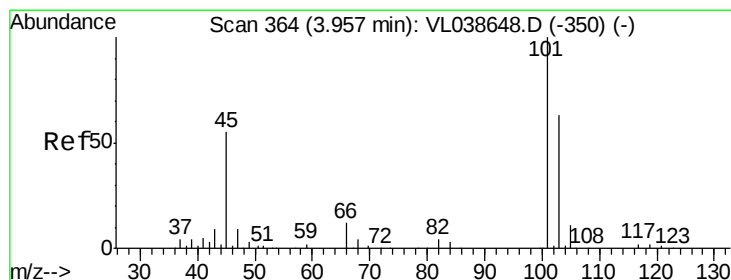
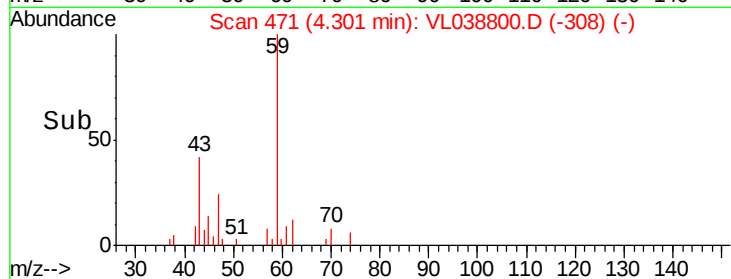
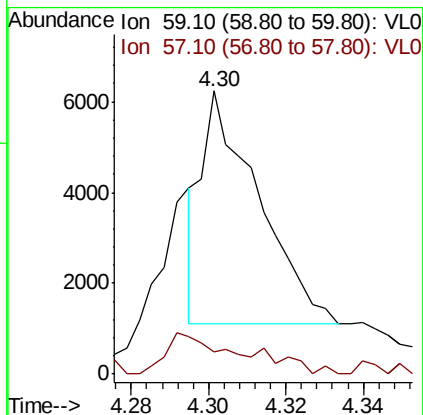
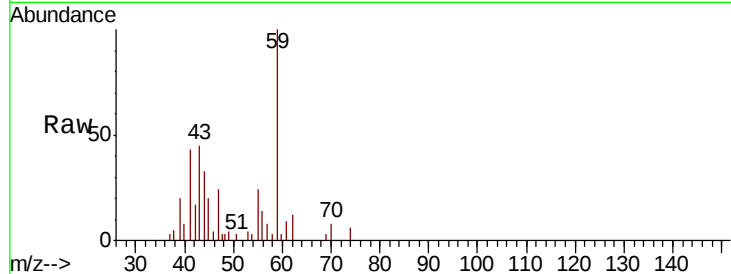
Ion 54.10 (53.80 to 54.80): VL0





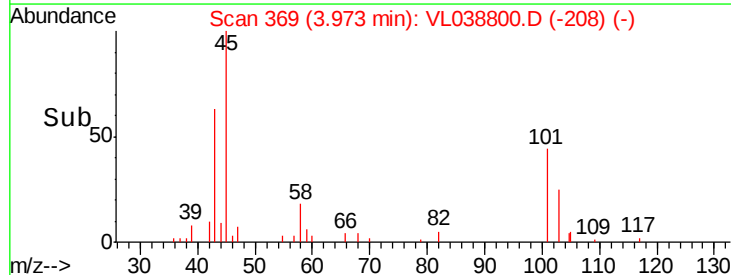
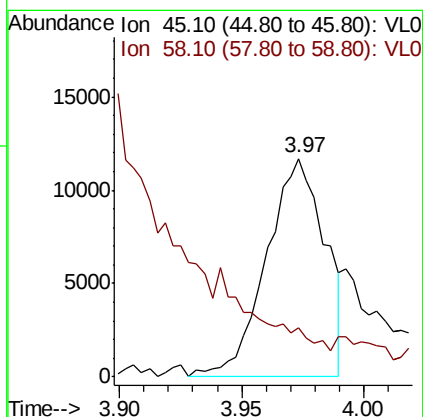
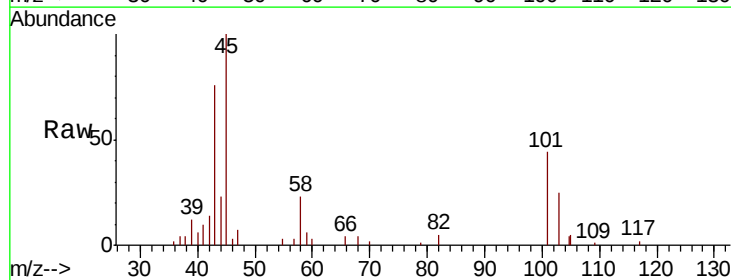
#17
 tert-Butyl alcohol
 Concen: 0.092 ppbv
 RT: 4.30
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:43

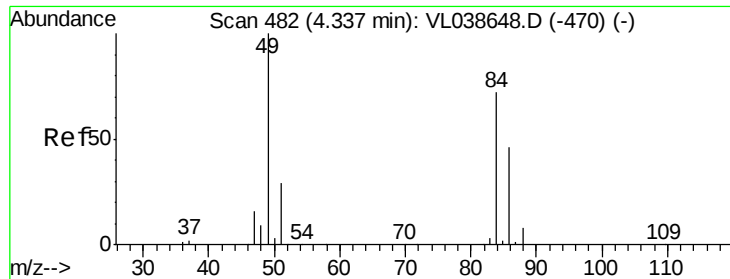
Tot Ion: 59 Resp: 5206
 Ion Ratio Lower Upper
 59 100
 57 28.5 8.2 12.2#



#19
 Isopropyl Alcohol
 Concen: 0.543 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T.: 0.02 min
 Lab File: VL038800.D
 Acq: 30 Mar 2022 18:43

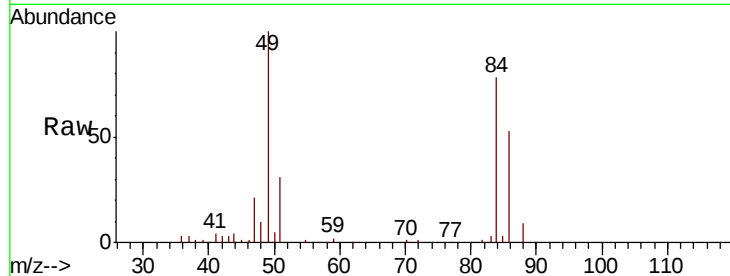
Tgt Ion: 45 Resp: 19475
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.3 3.5#



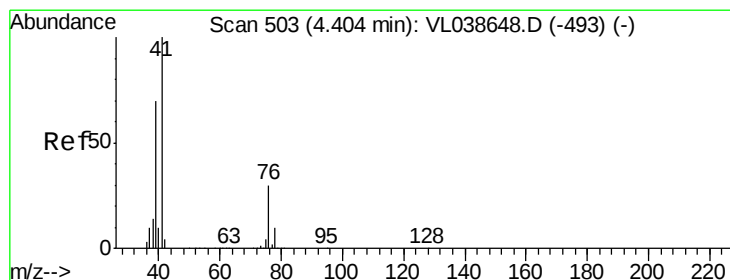
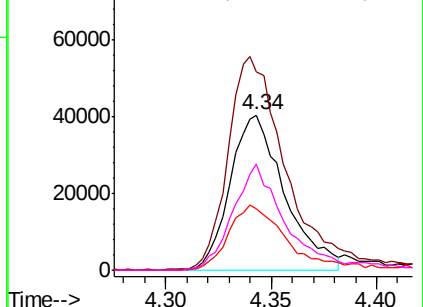
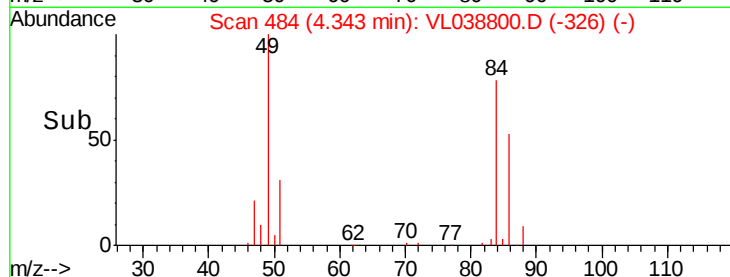


#20
Methvlene Chloride
Concen: 2.663 ppbv
RT: 4.34 Instrument: MSVOA_1
Delta R.T. ClientSampleId :
Lab File:
Acq: 30 Mar 2022 18:43

Tot Ion:	84	Resp:	72534
Ion	Ratio	Lower	Upper
84	100		
49	126.8	111.2	166.8
51	39.0	32.8	49.2
86	67.7	51.4	77.0

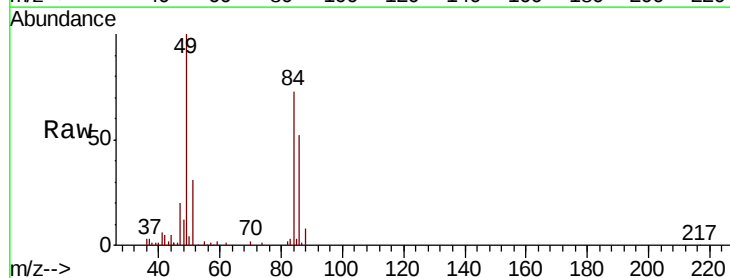


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

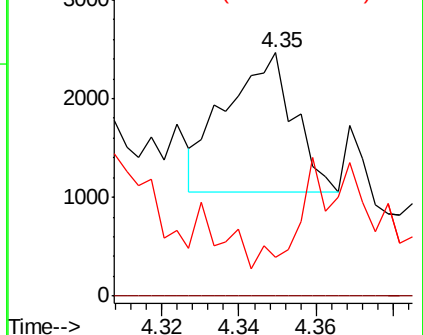
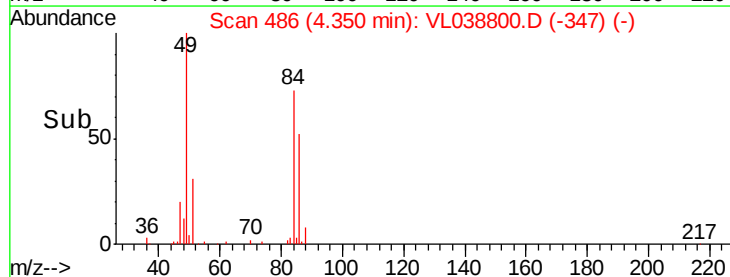


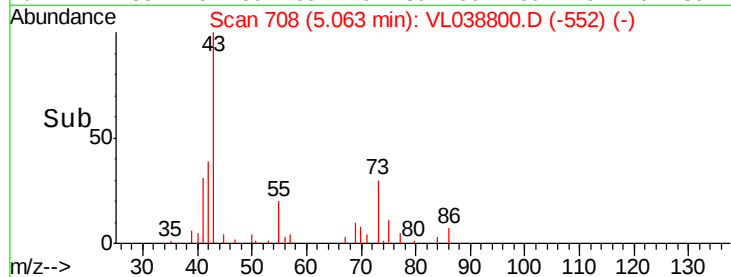
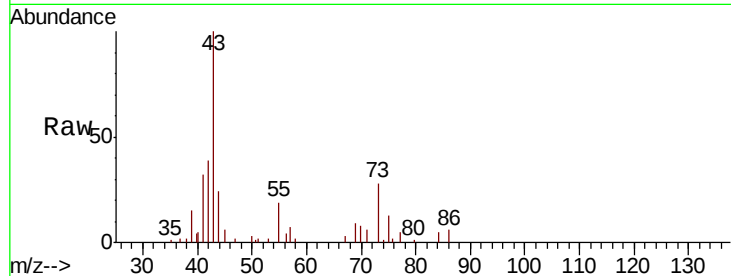
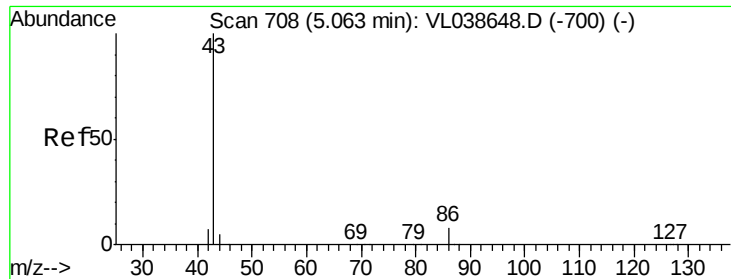
#21
Allyl Chloride
Concen: 0.037 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.05 min
Lab File: VL038800.D
Acq: 30 Mar 2022 18:43

Tgt Ion:	41	Resp:	1716
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	124.2	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: 0.172 ppbv

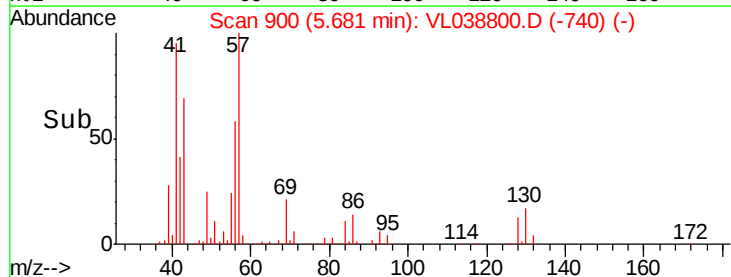
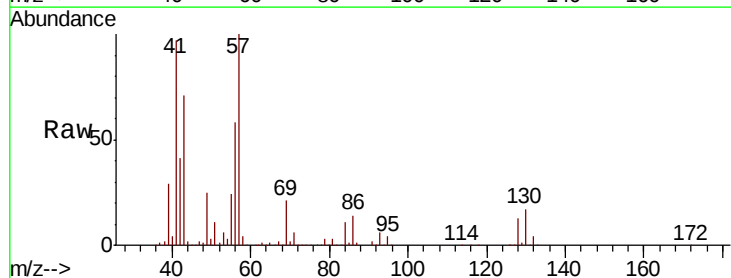
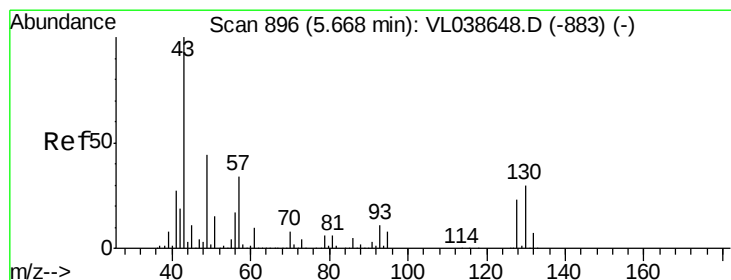
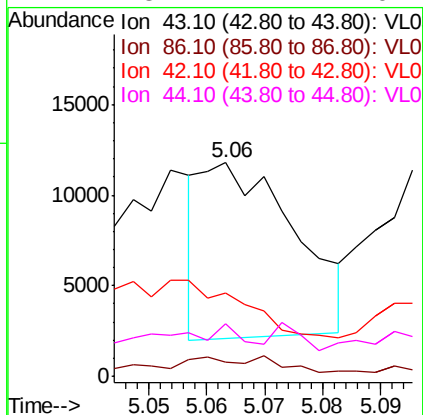
RT: 5.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:43

Tot Ion:	43	Resp:	10787
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.6	8.4
42	45.2	6.8	10.2#
44	18.1	4.2	6.2#



#25

Ethyl Acetate

Concen: 5.292 ppbv

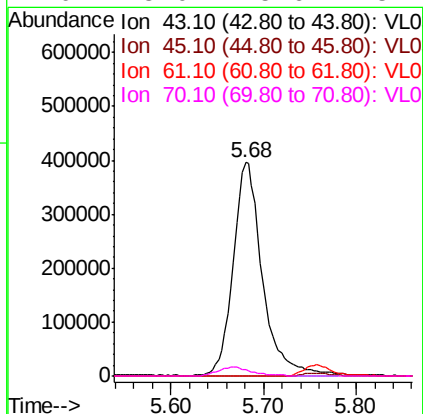
RT: 5.68 min Scan# 900

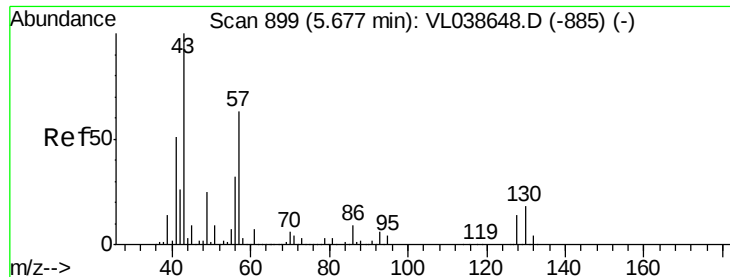
Delta R.T. 0.01 min

Lab File: VL038800.D

Acq: 30 Mar 2022 18:43

Tgt Ion:	43	Resp:	861379
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.4#
61	0.3	8.3	12.5#
70	5.0	5.6	8.4#





#26

Hexane

Concen: 16.109 ppbv

RT: 5.68 Instrument:

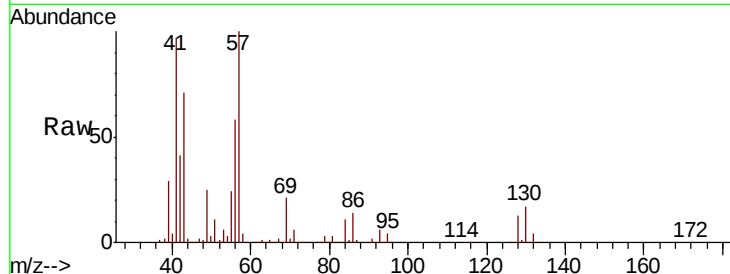
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:43

Tot Ion: 57 Resp: 1173800

Ion	Ratio	Lower	Upper
57	100		
41	128.5	67.0	100.4#
43	74.0	184.2	276.2#
56	68.0	42.6	64.0#



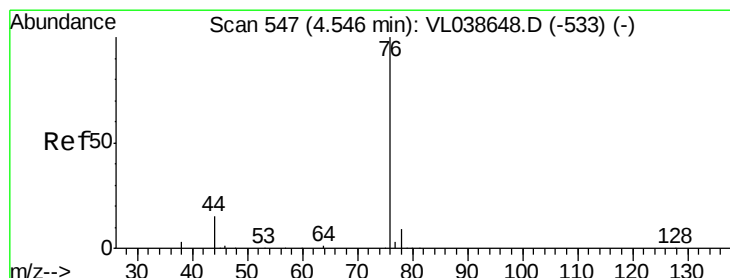
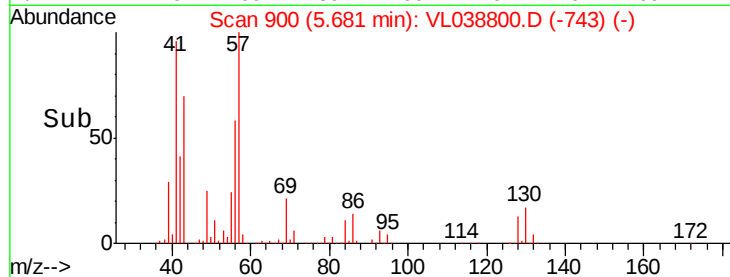
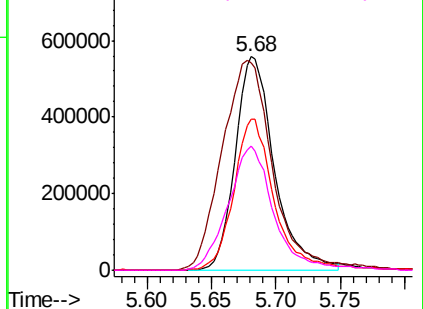
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 1.901 ppbv

RT: 4.55 min Scan# 548

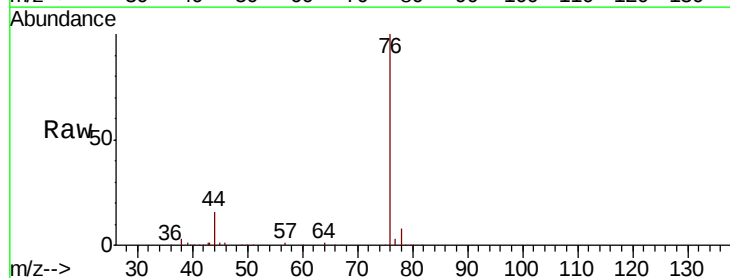
Delta R.T. 0.00 min

Lab File: VL038800.D

Acq: 30 Mar 2022 18:43

Tgt Ion: 76 Resp: 135857

Ion	Ratio	Lower	Upper
76	100		
44	17.9	12.4	18.6
78	9.9	7.8	11.8

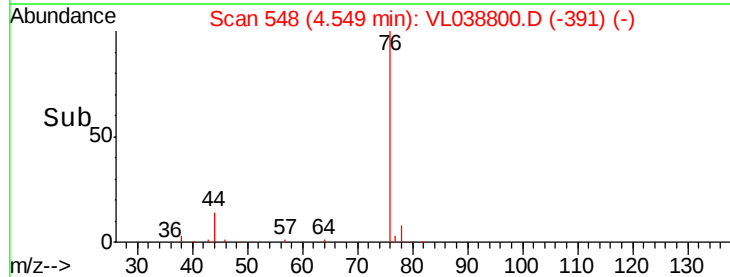
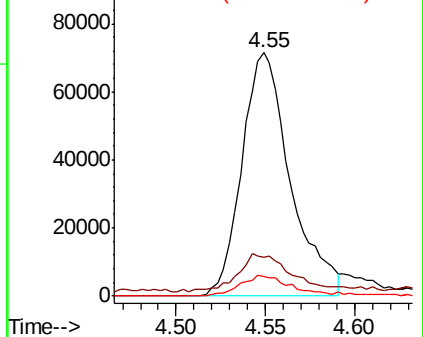


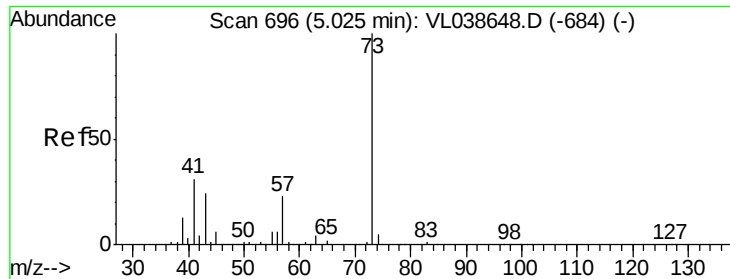
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

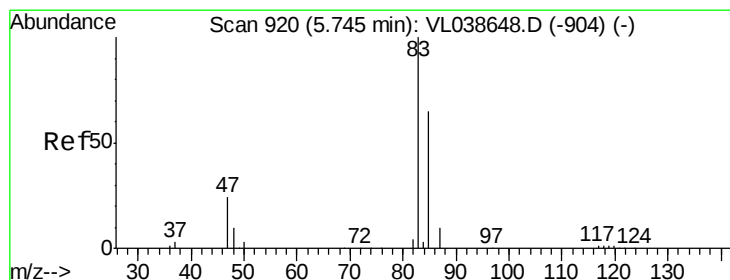
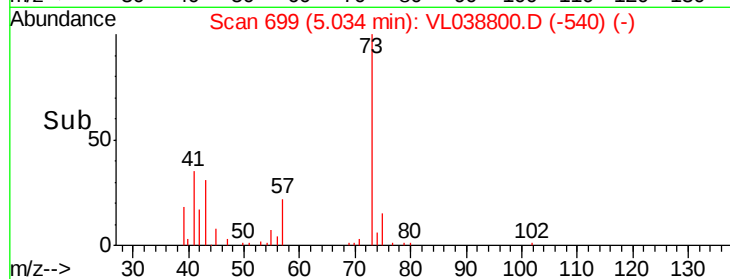
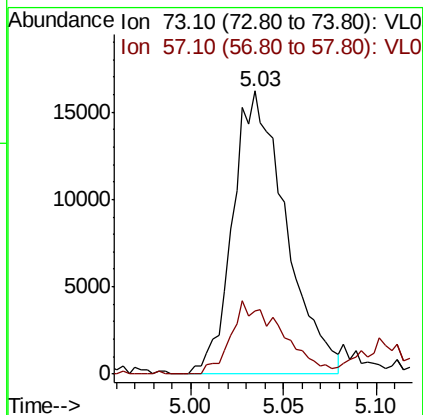
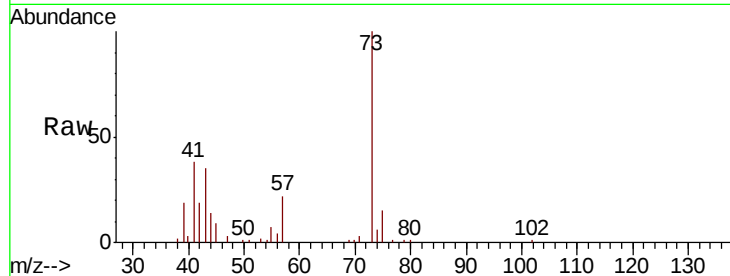
Ion 78.00 (77.70 to 78.70): VL0





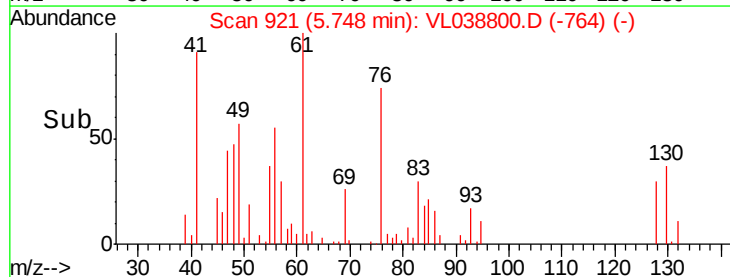
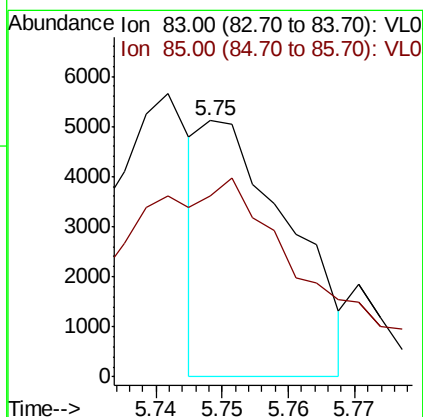
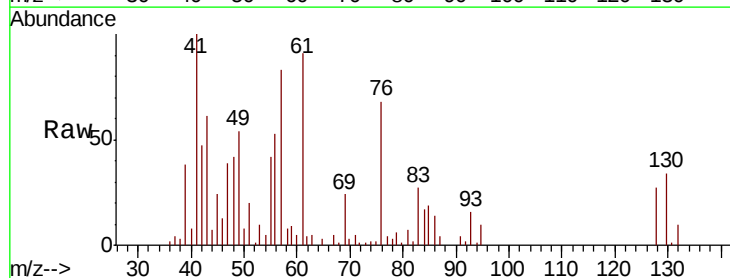
#28
Methvl tert-Butvl Ether
Concen: 0.593 ppbv
RT: 5.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 18:43

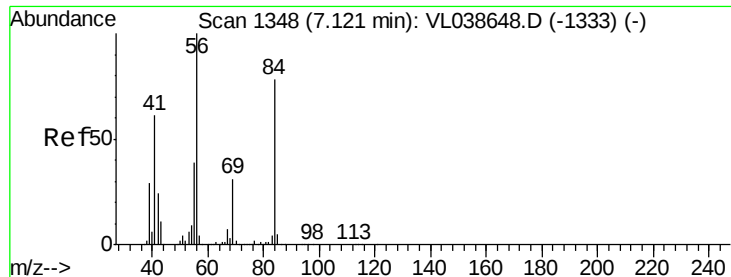
Tot Ion: 73 Resp: 32211
Ion Ratio Lower Upper
73 100
57 25.0 19.2 28.8



#29
Chloroform
Concen: 0.040 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL038800.D
Acq: 30 Mar 2022 18:43

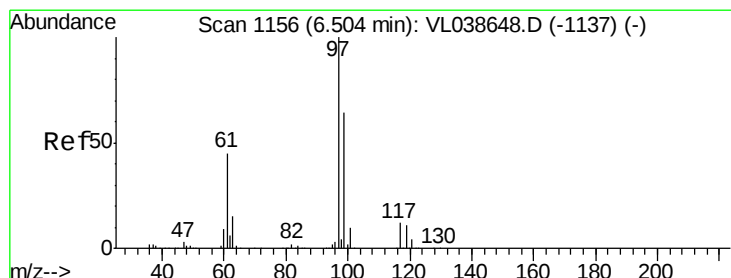
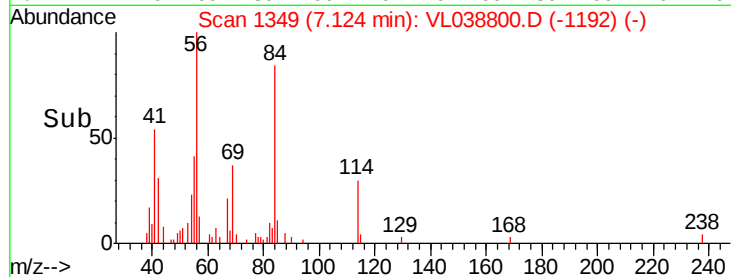
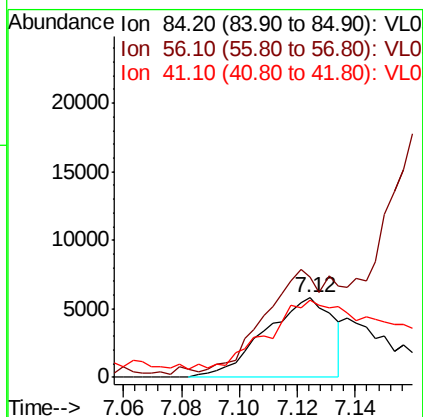
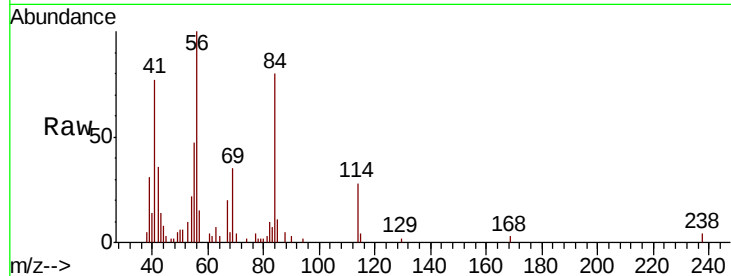
Tgt Ion: 83 Resp: 4683
Ion Ratio Lower Upper
83 100
85 54.3 51.7 77.5





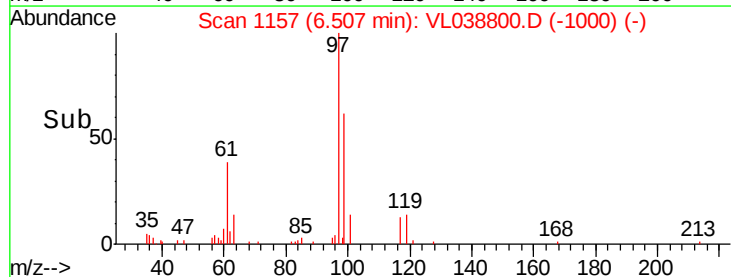
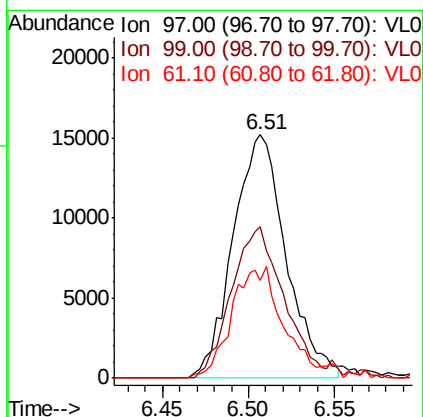
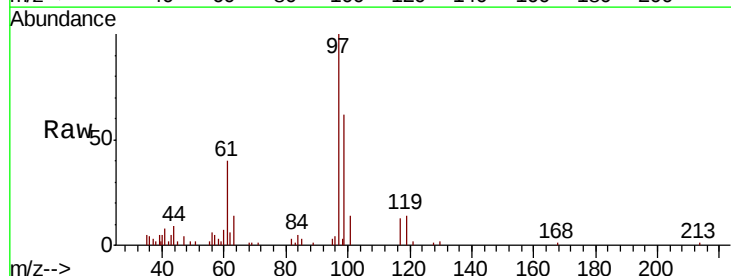
#30
Cvclohexane
Concen: 0.149 ppbv
RT: 7.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 18:43

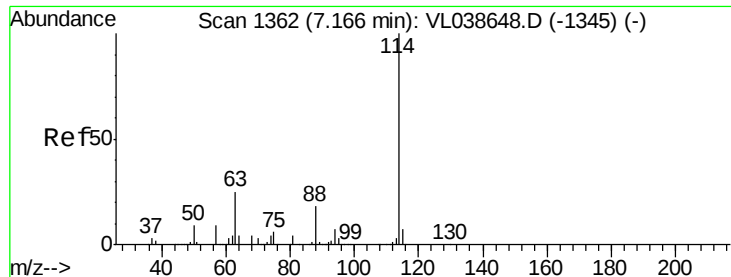
Tot Ion	84	Resp	9448
Ion Ratio	Lower	Upper	
84	100		
56	0.0	108.2	162.4#
41	214.4	61.8	92.6#



#32
1,1,1-Trichloroethane
Concen: 0.290 ppbv
RT: 6.51 min Scan# 1157
Delta R.T.: 0.00 min
Lab File: VL038800.D
Acq: 30 Mar 2022 18:43

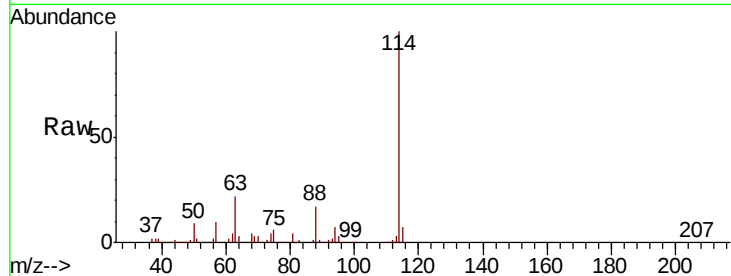
Tgt Ion	97	Resp	32617
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.8	77.8
61	46.6	36.7	55.1



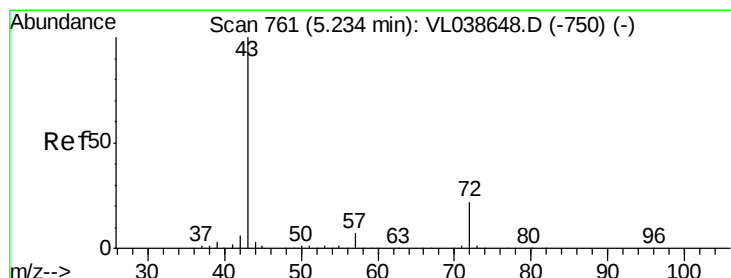
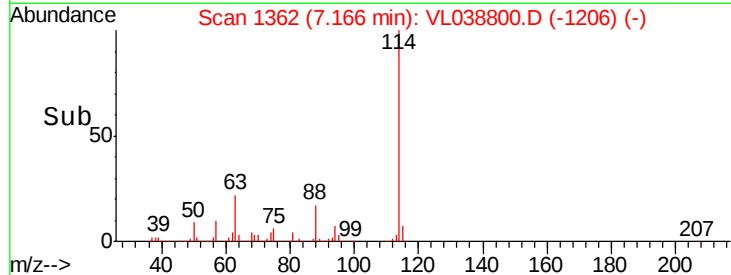
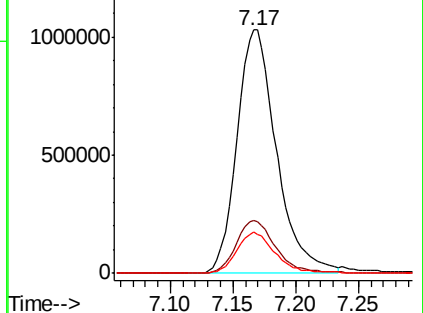


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:43

Tot Ion:114 Resp: 2258237
 Ion Ratio Lower Upper
 114 100
 63 22.1 19.4 29.0
 88 16.7 13.9 20.9

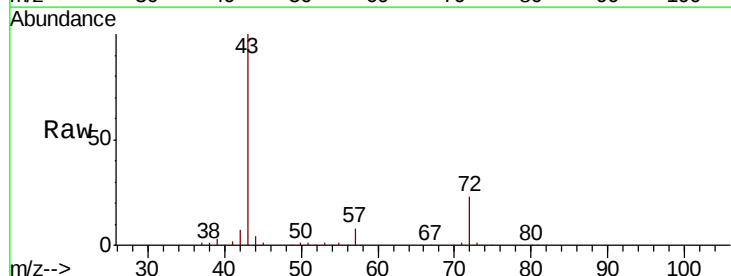


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

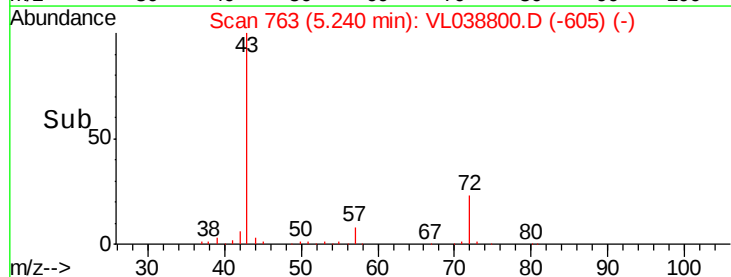
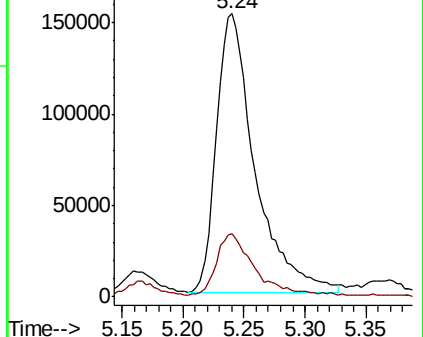


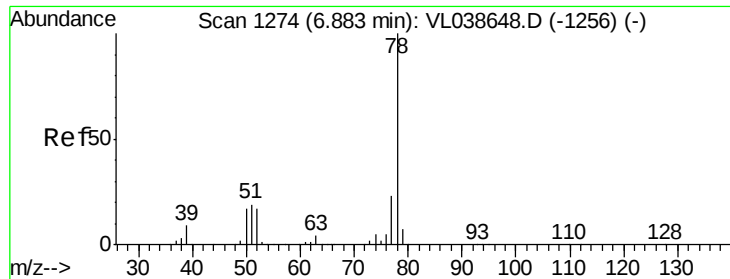
#34
 2-Butanone
 Concen: 3.807 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T.: 0.01 min
 Lab File: VL038800.D
 Acq: 30 Mar 2022 18:43

Tgt Ion: 43 Resp: 340239
 Ion Ratio Lower Upper
 43 100
 72 23.9 17.8 26.8



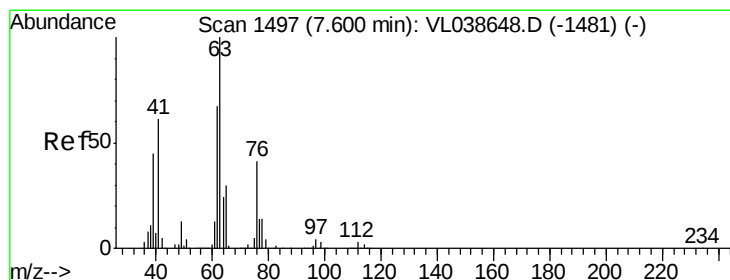
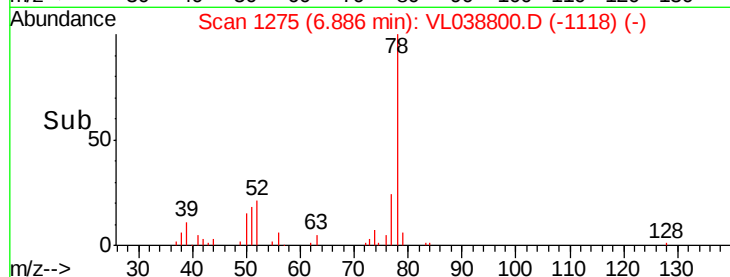
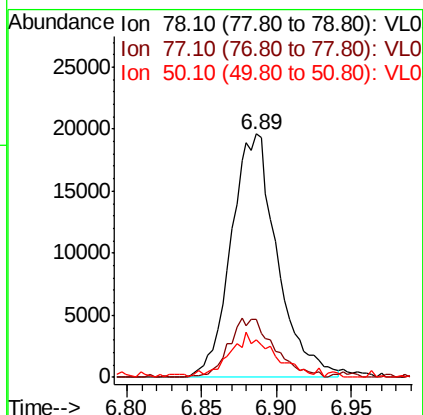
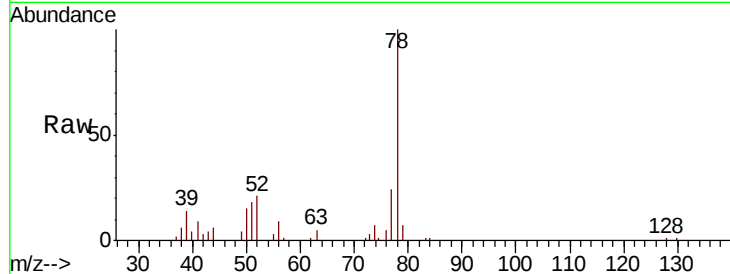
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





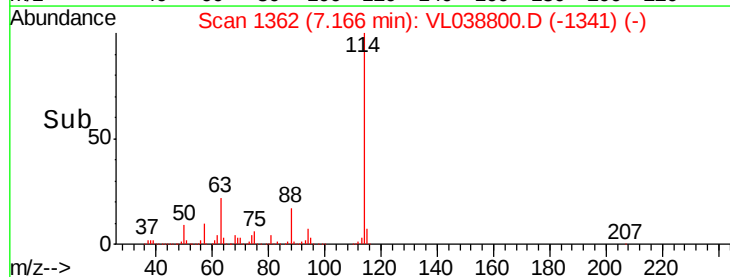
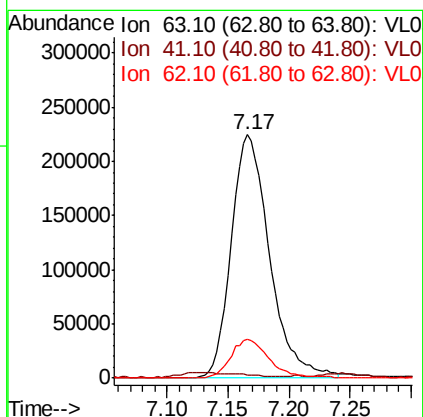
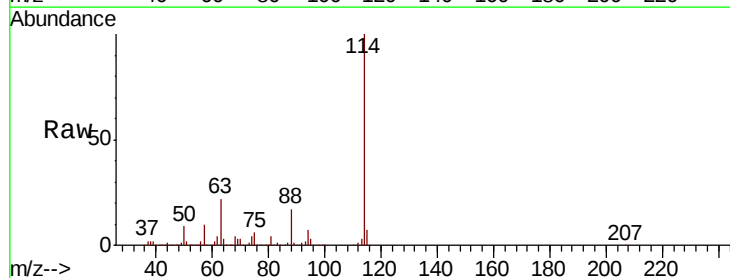
#36
Benzene
Concen: 0.241 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 30 Mar 2022 18:43

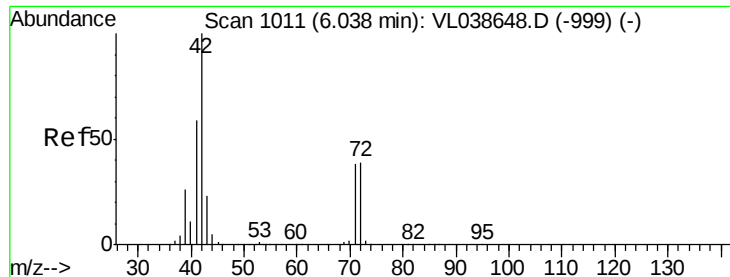
Tot Ion	78	Resp	42042
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.1	27.1
50	15.3	13.6	20.4



#39
1,2-Dichloropropane
Concen: 7.209 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.43 min
Lab File: VL038800.D
Acq: 30 Mar 2022 18:43

Tgt Ion	63	Resp	491189
Ion Ratio	Lower	Upper	
63	100		
41	0.0	49.0	73.6#
62	16.1	53.9	80.9#





#41

Tetrahydrofuran

Concen: 0.121 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:43

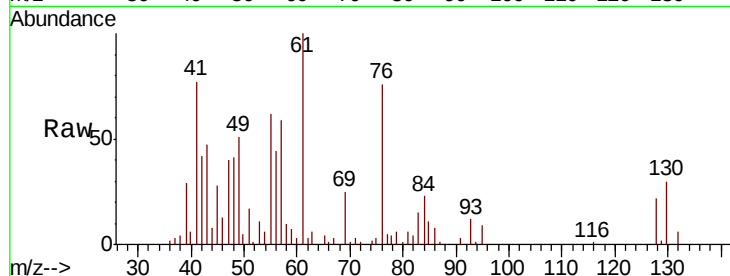
Tot Ion: 42 Resp: 8068

Ion Ratio Lower Upper

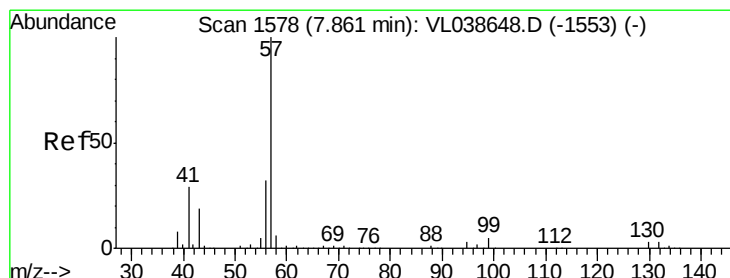
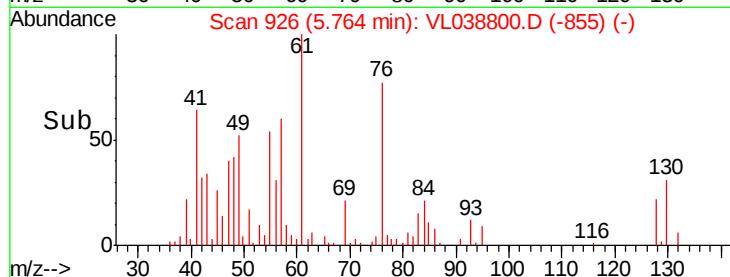
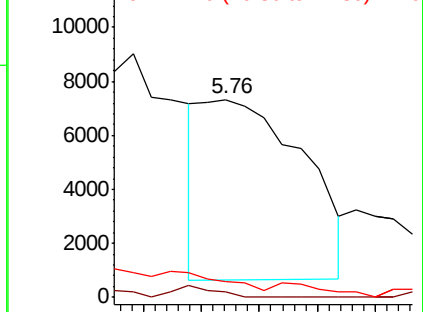
42 100

72 3.8 32.5 48.7#

71 0.0 31.4 47.2#



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



#44

2,2,4-Trimethylpentane

Concen: 0.158 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VL038800.D

Acq: 30 Mar 2022 18:43

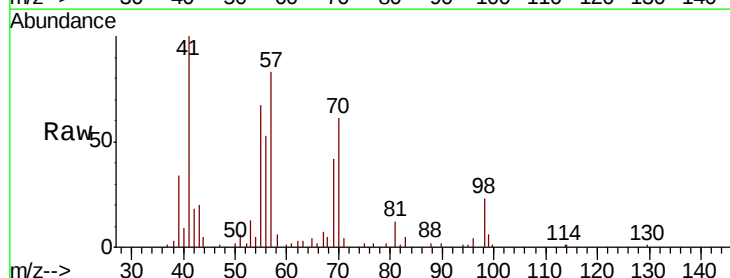
Tgt Ion: 57 Resp: 46292

Ion Ratio Lower Upper

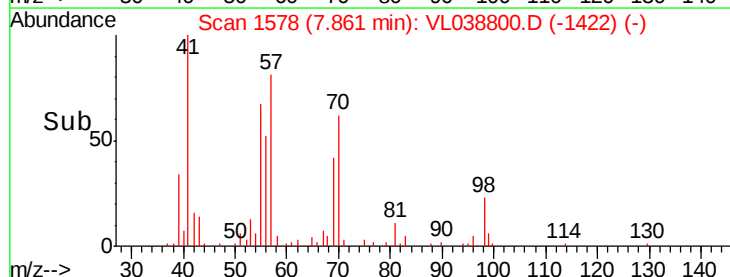
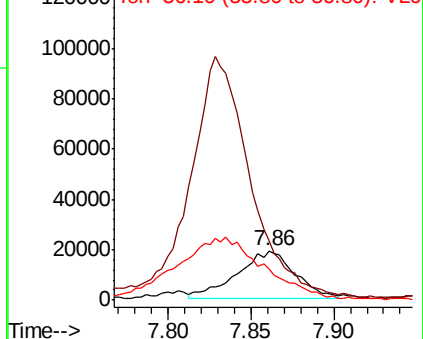
57 100

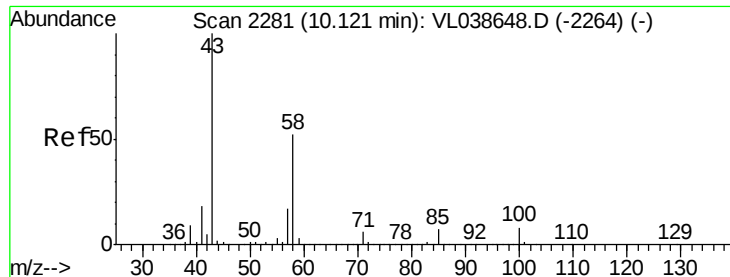
41 0.0 23.0 34.4#

56 0.0 25.3 37.9#



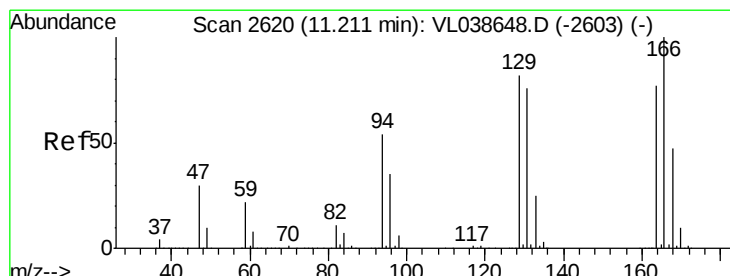
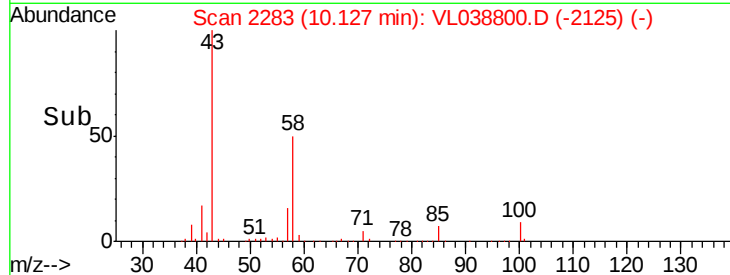
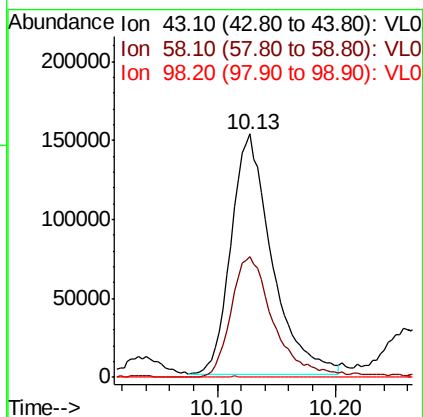
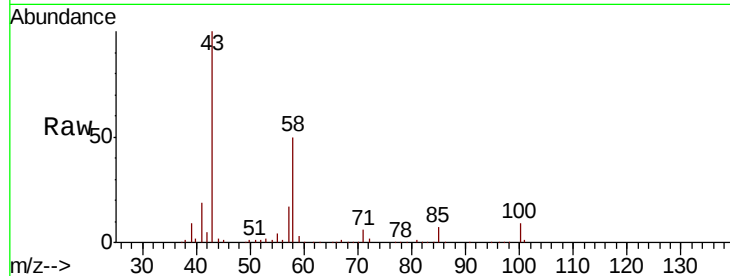
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





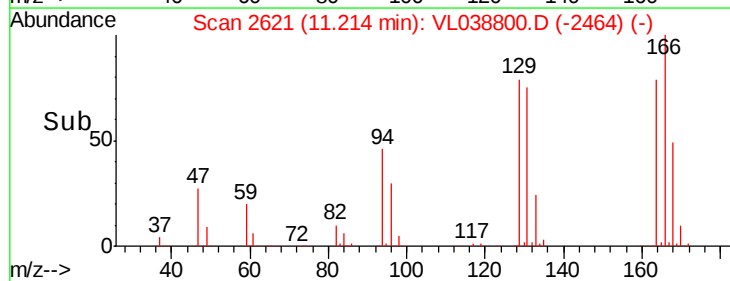
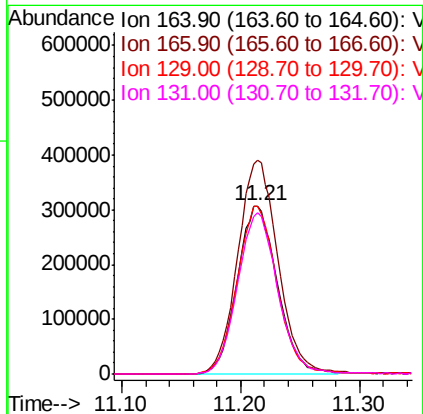
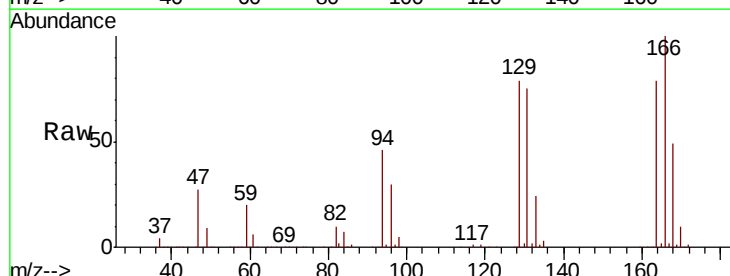
#51
 2-Hexanone
 Concen: 3.038 ppbv
 RT: 10.13 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:43

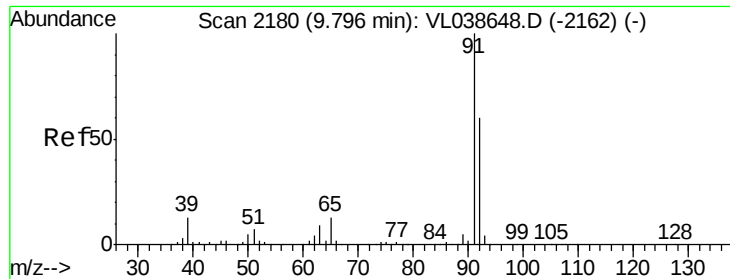
Tot Ion:	43	Resp:	362620
Ion	Ratio	Lower	Upper
43	100		
58	53.4	41.2	61.8
98	0.3	0.2	0.4



#52
 Tetrachloroethene
 Concen: 11.252 ppbv
 RT: 11.21 min Scan# 2621
 Delta R.T.: 0.00 min
 Lab File: VL038800.D
 Acq: 30 Mar 2022 18:43

Tgt Ion:	164	Resp:	717639
Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.3	154.9
129	100.0	85.2	127.8
131	95.6	78.3	117.5





#53

Toluene

Concen: 0.989 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

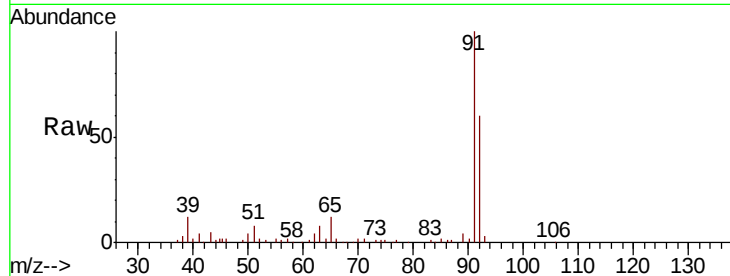
Acq: 30 Mar 2022 18:43

Tot Ion: 91 Resp: 185289

Ion Ratio Lower Upper

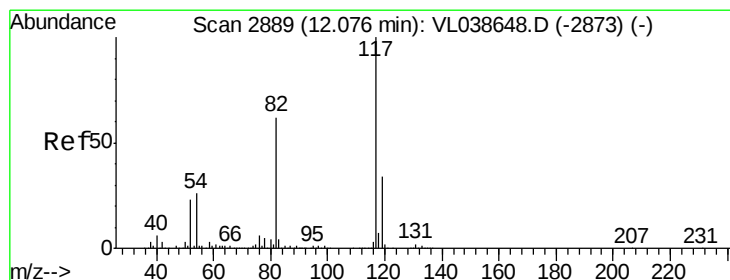
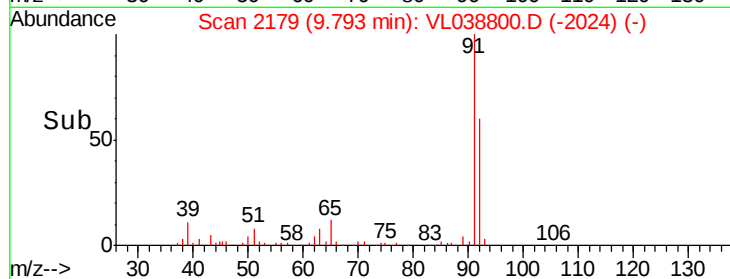
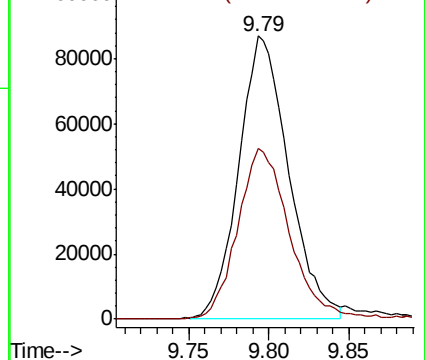
91 100

92 63.2 48.7 73.1



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: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL038800.D

Acq: 30 Mar 2022 18:43

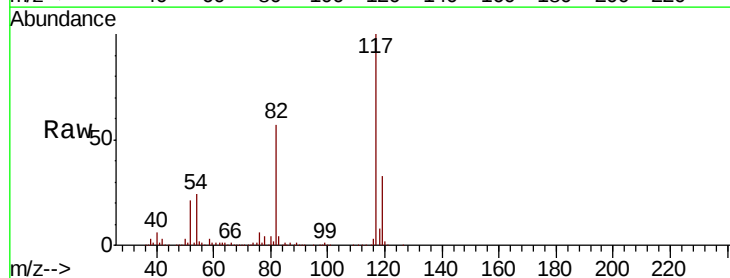
Tgt Ion: 117 Resp: 2043780

Ion Ratio Lower Upper

117 100

82 59.8 51.6 77.4

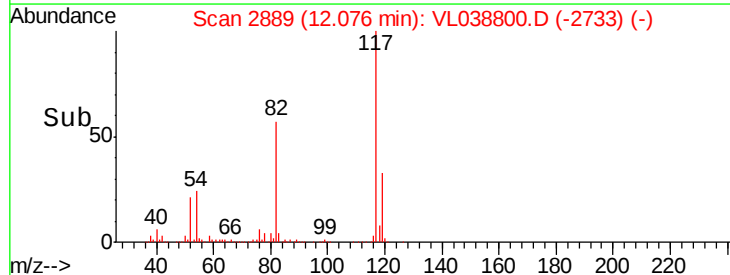
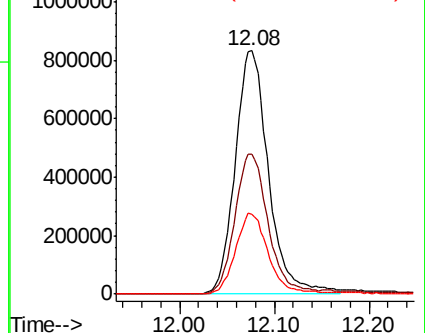
119 34.0 26.9 40.3

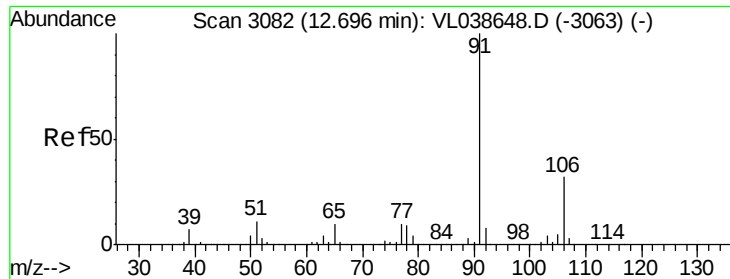


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.160 ppbv

RT: 12.70 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

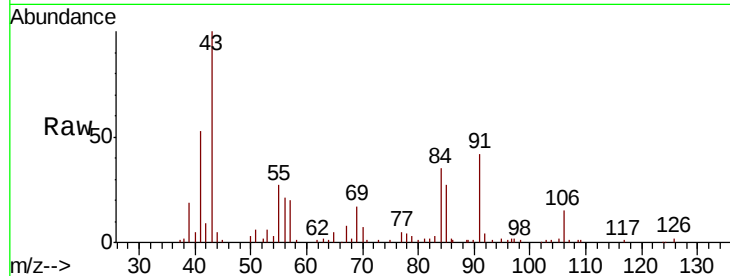
Acq: 30 Mar 2022 18:43

Tot Ion: 91 Resp: 38158

Ion Ratio Lower Upper

91 100

106 35.2 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.70

20000

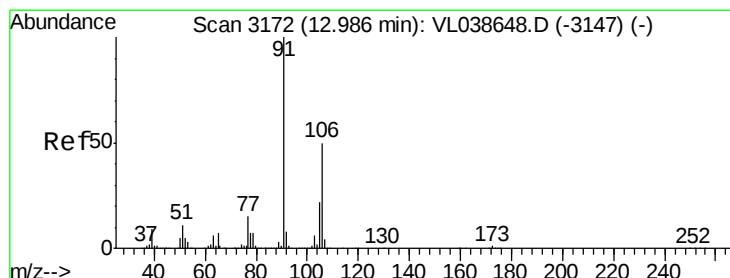
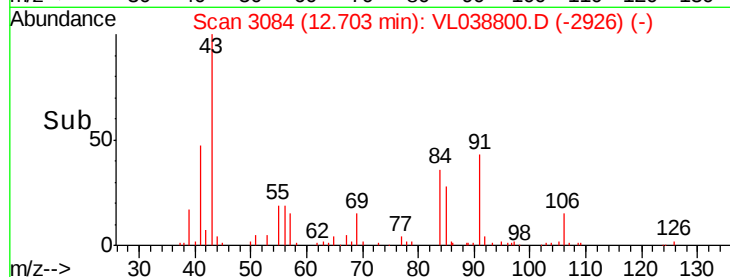
15000

10000

5000

0

Time--> 12.60 12.65 12.70 12.75



#59

m/p-Xylene

Concen: 0.524 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.03 min

Lab File: VL038800.D

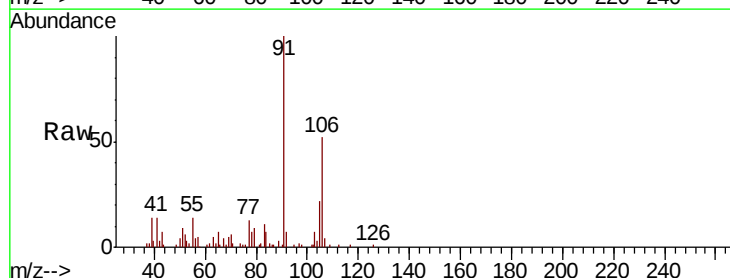
Acq: 30 Mar 2022 18:43

Tgt Ion: 91 Resp: 109531

Ion Ratio Lower Upper

91 100

106 51.3 37.2 55.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.96

40000

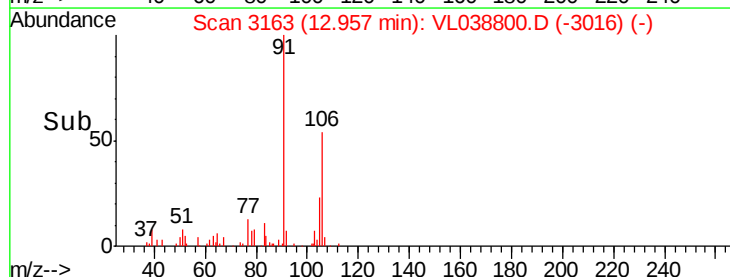
30000

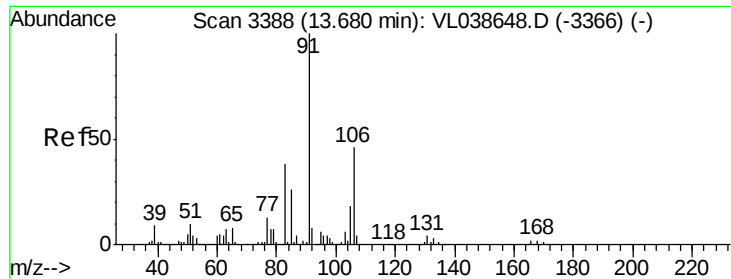
20000

10000

0

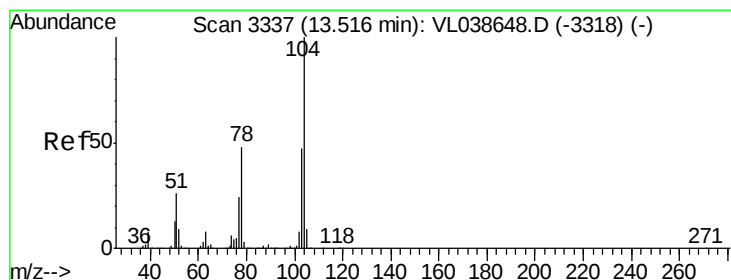
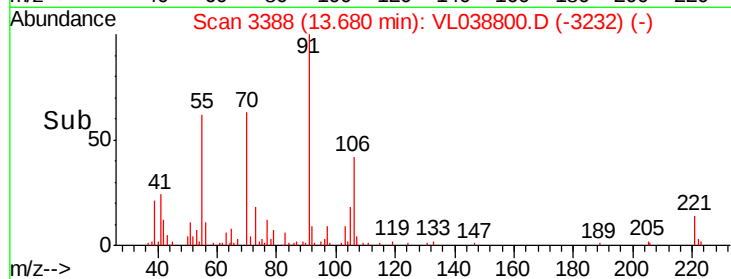
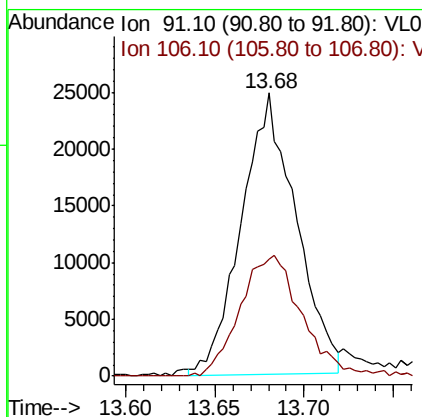
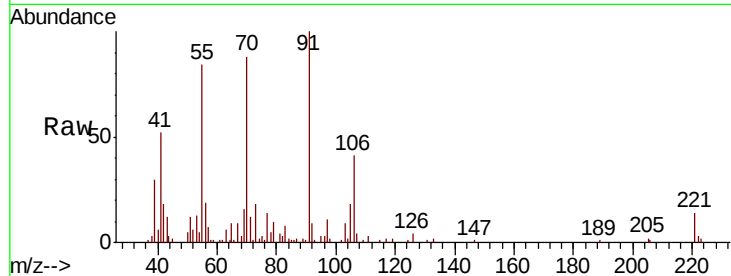
Time--> 12.90 13.00





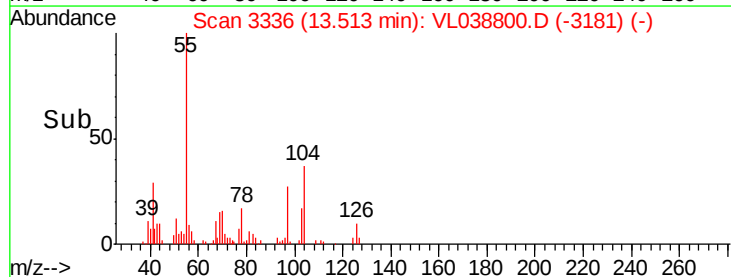
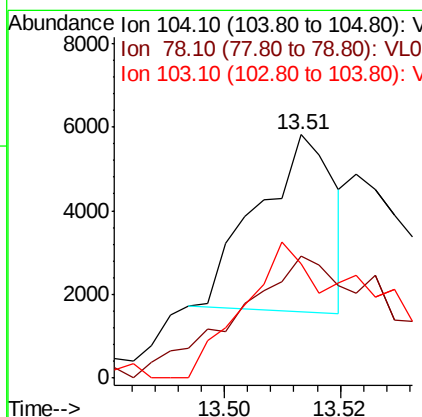
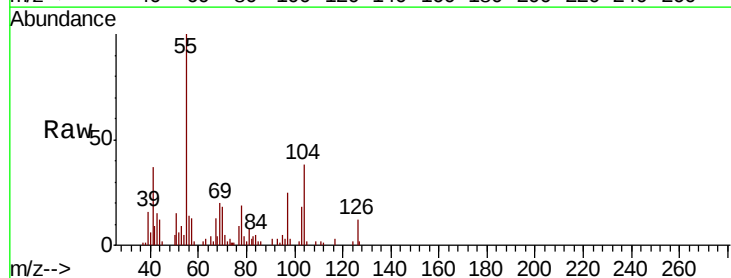
#60
o-Xylene
Concen: 0.267 ppbv
RT: 13.68
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 30 Mar 2022 18:43

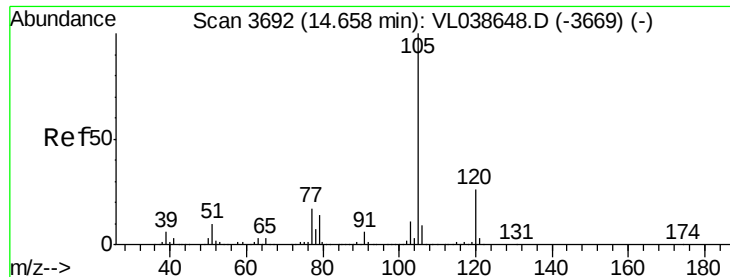
Tot Ion: 91 Resp: 52939
Ion Ratio Lower Upper
91 100
106 48.8 23.5 70.5



#61
Styrene
Concen: 0.036 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL038800.D
Acq: 30 Mar 2022 18:43

Tgt Ion:104 Resp: 3866
Ion Ratio Lower Upper
104 100
78 176.8 39.0 58.4#
103 160.9 37.8 56.8#





#62

Isopropylbenzene

Concen: 0.323 ppbv

RT: 14.66

Delta R.T. MSVOA_L

Lab File:

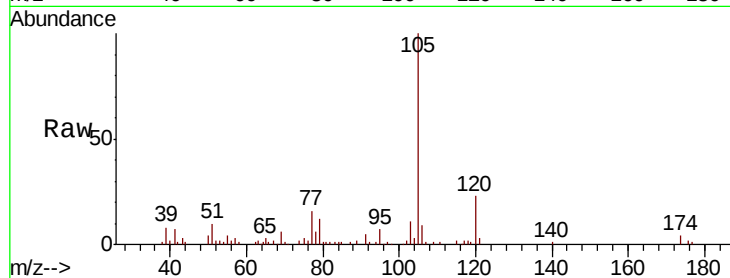
Acq: 30 Mar 2022 18:43

Tot Ion: 105 Resp: 96423

Ion Ratio Lower Upper

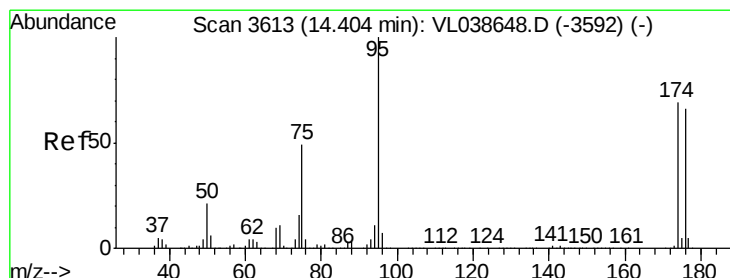
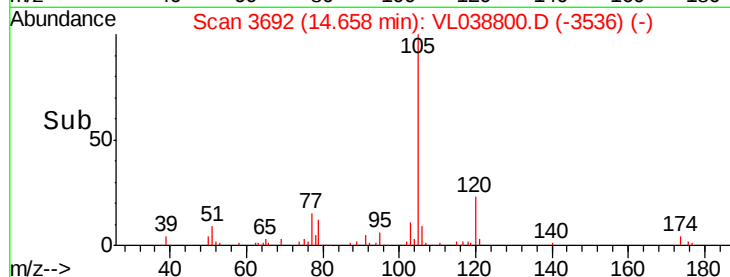
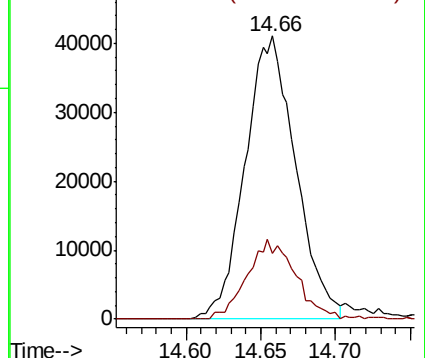
105 100

120 27.2 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.381 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL038800.D

Acq: 30 Mar 2022 18:43

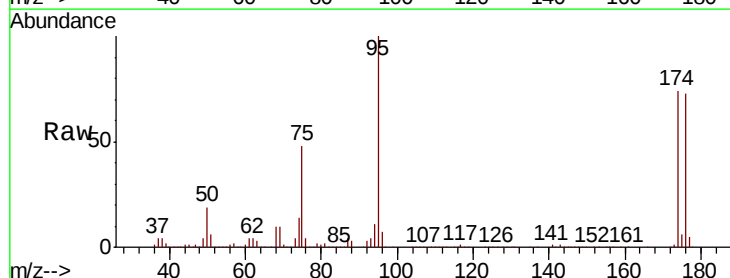
Tgt Ion: 95 Resp: 1469873

Ion Ratio Lower Upper

95 100

174 77.2 56.1 84.1

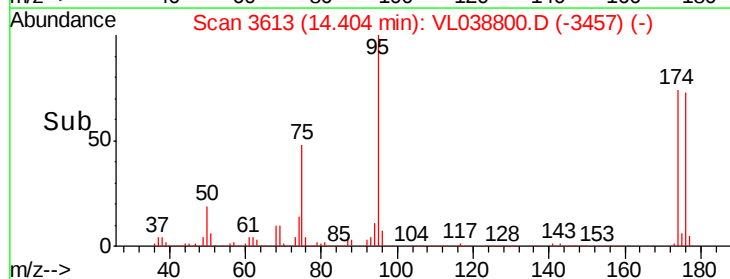
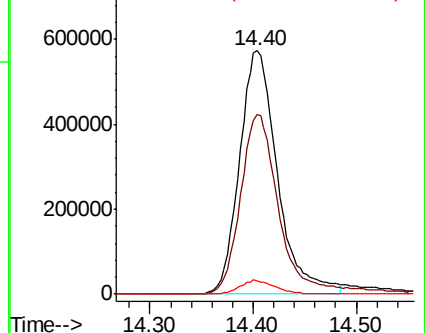
175 5.7 4.2 6.2

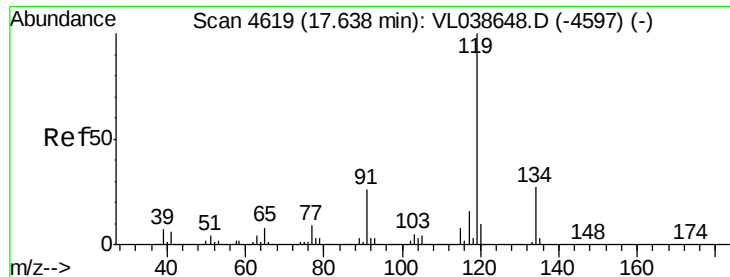


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

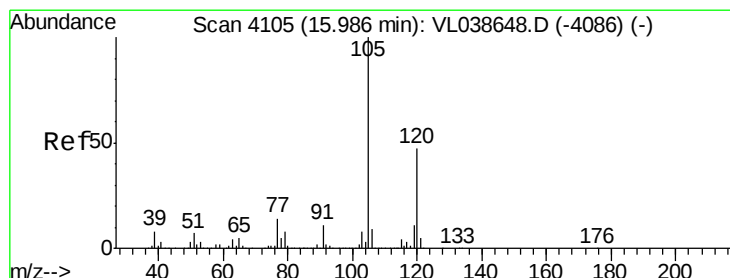
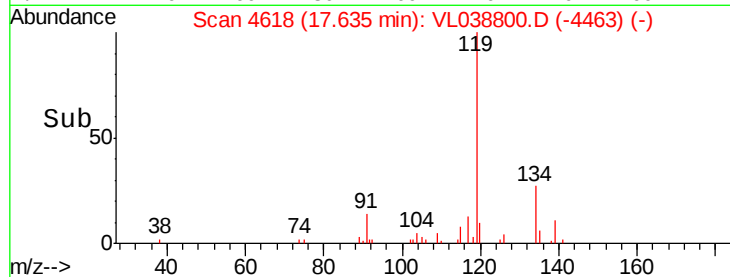
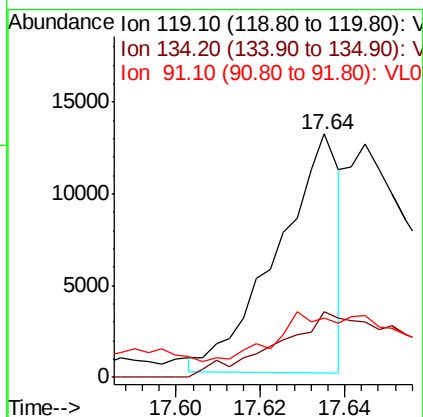
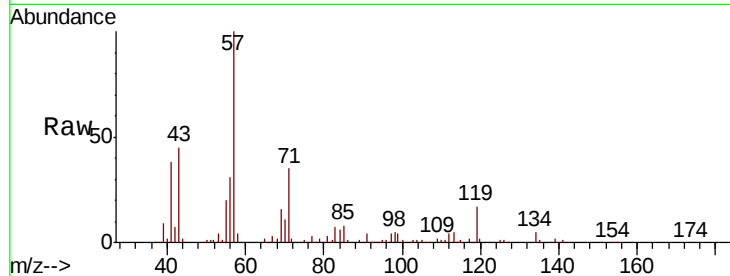
Ion 175.00 (174.70 to 175.70): V





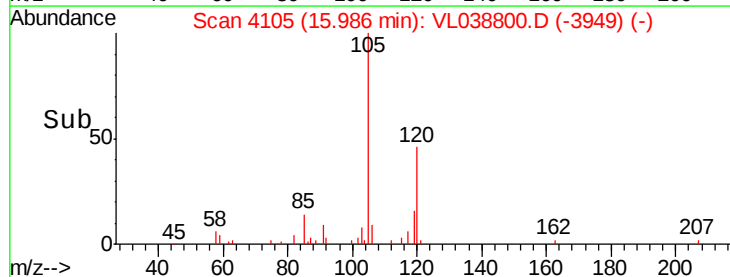
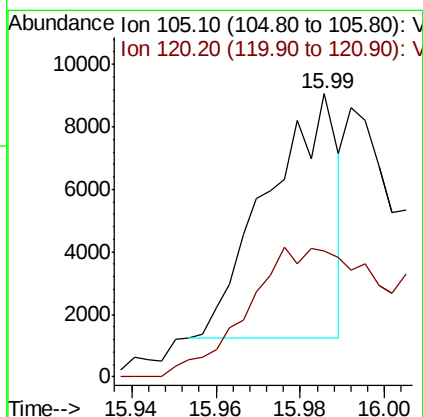
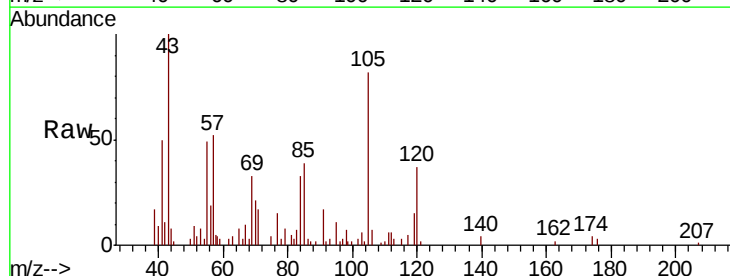
#69
 p-Isopropyltoluene
 Concen: 0.042 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 18:43

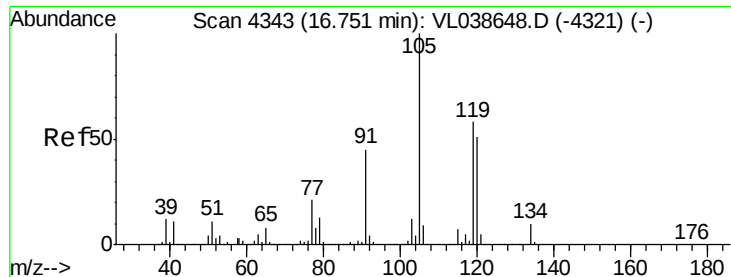
Tot Ion	Ratio	Lower	Upper
119	100		
134	57.9	21.2	31.8#
91	66.6	21.4	32.2#



#73
 1,3,5-Trimethylbenzene
 Concen: 0.042 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T.: 0.00 min
 Lab File: VL038800.D
 Acq: 30 Mar 2022 18:43

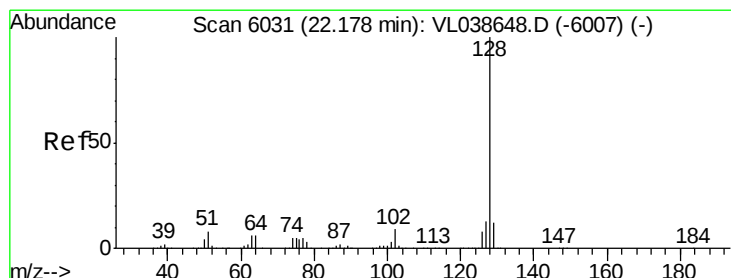
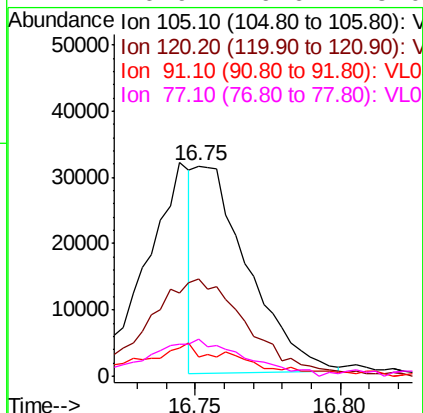
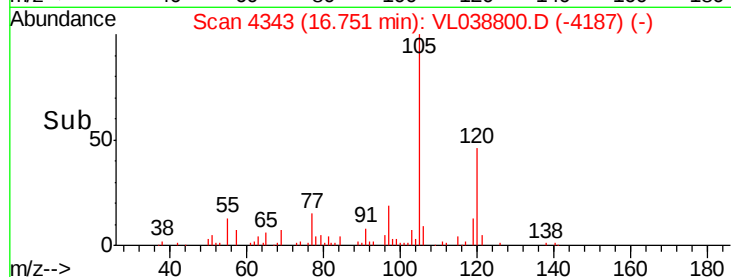
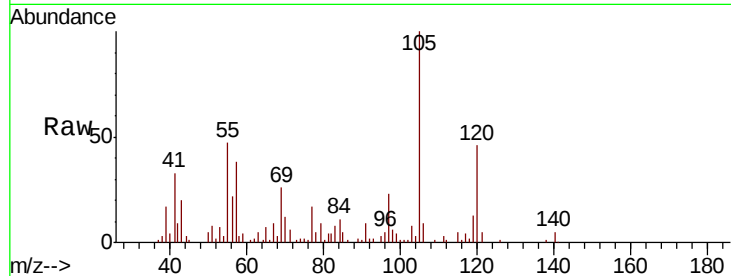
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.6	56.4





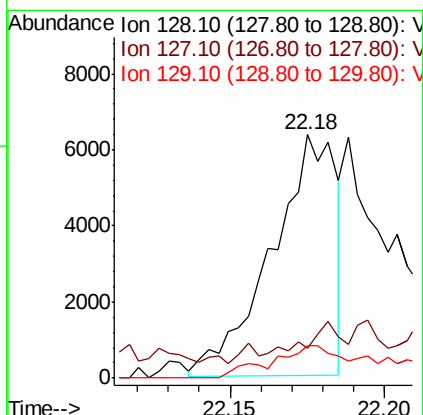
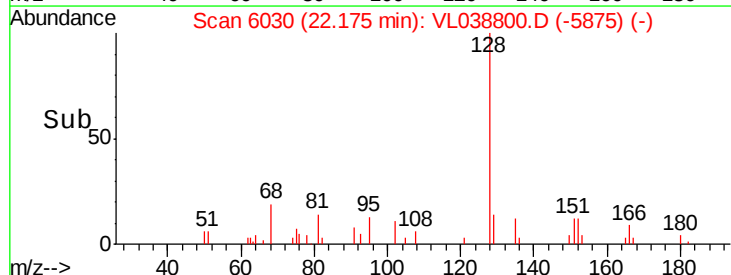
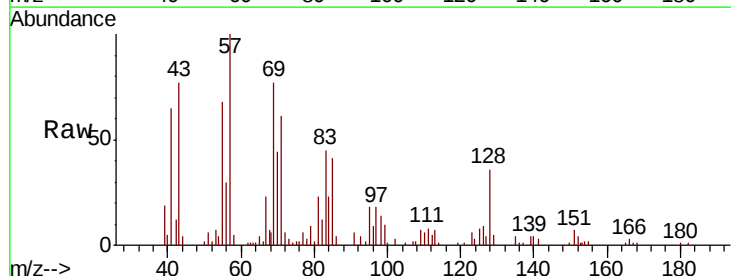
#74
 1,2,4-Trimethylbenzene
 Concen: 0.172 ppbv
 RT: 16.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 18:43

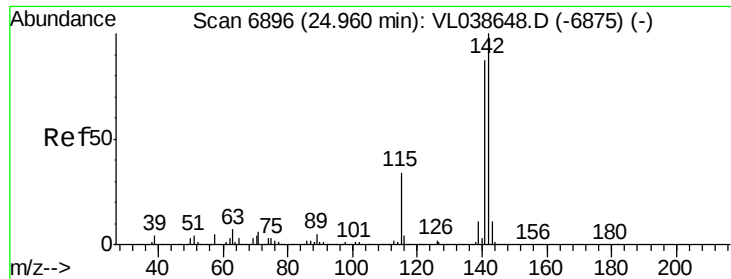
Tot Ion:	105	Resp:	40016
Ion	Ratio	Lower	Upper
105	100		
120	46.2	40.5	60.7
91	9.9	35.9	53.9#
77	16.9	16.6	25.0



#79
 Naphthalene
 Concen: 0.052 ppbv
 RT: 22.18 min Scan# 6030
 Delta R.T. -0.00 min
 Lab File: VL038800.D
 Acq: 30 Mar 2022 18:43

Tgt Ion:	128	Resp:	9174
Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.2	15.4#
129	13.5	9.2	13.8





#80

Naphthalene, 2-methyl-

Concen: 0.032 ppbv

RT: 24.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 18:43

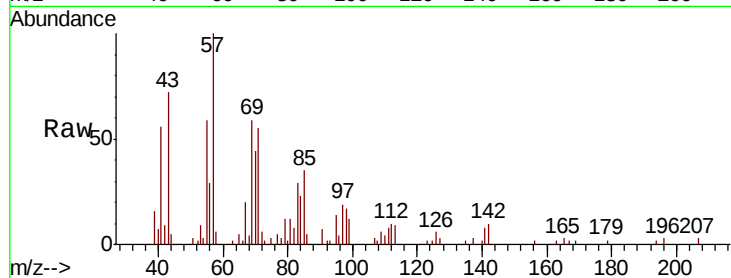
Tot Ion: 142 Resp: 1512

Ion Ratio Lower Upper

142 100

141 110.0 66.4 99.6#

115 37.6 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

