

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039040.D
 Acq On : 13 May 2022 16:57
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Quant Time: May 14 00:52:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	924864	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2248908	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1914792	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1547791	10.21	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	82924	0.572	ppbv	97
3) Chlorodifluoromethane	2.98	51	52504	0.457	ppbv	99
4) Chloromethane	3.14	50	26179	0.456	ppbv #	88
5) Vinyl Chloride	3.25	62	22579	0.430	ppbv	90
6) Bromomethane	3.47	94	8171	0.330	ppbv #	69
7) Chloroethane	3.55	64	3471	0.198	ppbv #	84
8) Dichlorotetrafluoroethane	3.18	85	61066	0.465	ppbv	94
9) Propene	3.00	41	13483	0.269	ppbv #	20
10) Heptane	8.10	43	20958	0.170	ppbv #	1
11) Trichlorofluoromethane	3.94	101	53919	0.434	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	40192	0.469	ppbv	95
13) Ethanol	3.60	45	621	0.175	ppbv #	31
14) Bromoethene	3.73	108	14040	0.398	ppbv #	82
15) Acetone	3.85	43	35895	0.411	ppbv #	76
16) 1,3-Butadiene	3.32	39	13427	0.268	ppbv #	33
17) tert-Butyl alcohol	4.29	59	27160	0.405	ppbv	97
18) 1,1-Dichloroethene	4.27	96	17662	0.479	ppbv #	75
20) Methylene Chloride	4.33	84	15164	0.461	ppbv #	84
21) Allvl Chloride	4.40	41	16458	0.277	ppbv #	49
22) trans-1,2-Dichloroethene	4.87	96	17759	0.446	ppbv #	71
23) Vinyl Acetate	5.06	43	25234	0.366	ppbv #	74
24) 1,1-Dichloroethane	5.00	63	19293	0.243	ppbv #	95
25) Ethyl Acetate	5.66	43	83203	0.398	ppbv	98
26) Hexane	5.67	57	20451	0.220	ppbv #	1
27) Carbon Disulfide	4.54	76	28150	0.319	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	32009	0.453	ppbv	94
29) Chloroform	5.74	83	67165	0.447	ppbv	94
30) Cyclohexane	7.11	84	22416	0.289	ppbv #	66
31) cis-1,2-Dichloroethene	5.54	61	20523	0.217	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	31599	0.211	ppbv #	25
34) 2-Butanone	5.24	43	20140	0.176	ppbv #	54
35) Carbon Tetrachloride	7.00	117	33404	0.225	ppbv	96
36) Benzene	6.87	78	76180	0.396	ppbv	97
37) 1,2-Dichloroethane	6.28	62	21095	0.177	ppbv #	83
38) Trichloroethene	7.81	130	10988	0.128	ppbv #	53
39) 1,2-Dichloropropane	7.59	63	27787	0.371	ppbv	95
41) Tetrahydrofuran	6.06	42	13911	0.180	ppbv #	20
42) Bromodichloromethane	7.77	83	26039	0.160	ppbv	97
43) Methyl Methacrylate	8.00	69	11757	0.150	ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	140048	0.415	ppbv	96
45) t-1,3-Dichloropropene	9.26	75	16513	0.218	ppbv	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
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 Acq On : 13 May 2022 16:57
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 Sample : 0.4 MDL
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

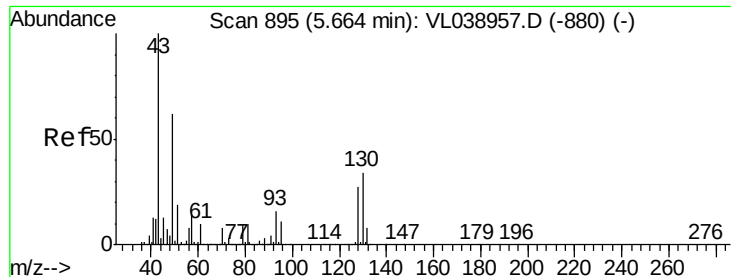
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Quant Time: May 14 00:52:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) cis-1,3-Dichloropropene	8.67	75	9776	0.097	ppbv	# 81
47) 1,1,2-Trichloroethane	9.45	97	30509	0.392	ppbv	96
48) Dibromochloromethane	10.28	129	19170	0.151	ppbv	# 10
49) Bromoform	13.00	173	5077	0.053	ppbv	# 26
50) 4-Methyl-2-Pentanone	8.74	43	31716	0.158	ppbv	# 39
51) 2-Hexanone	10.13	43	19592	0.133	ppbv	# 1
52) Tetrachloroethene	11.19	164	9603	0.140	ppbv	84
53) Toluene	9.78	91	42370	0.196	ppbv	# 24
54) 1,2-Dibromoethane	10.58	107	17045	0.161	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	12107	0.144	ppbv	# 1
57) Chlorobenzene	12.12	112	34019	0.237	ppbv	96
58) Ethyl Benzene	12.68	91	112747	0.409	ppbv	97
59) m/p-Xylene	12.97	91	95903	0.408	ppbv	# 35
60) o-Xylene	13.66	91	87072	0.393	ppbv	93
61) Styrene	13.50	104	37573	0.318	ppbv	# 80
62) Isopropylbenzene	14.64	105	133104	0.411	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	13729	0.105	ppbv	# 1
64) n-propylbenzene	15.53	120	3884	0.050	ppbv	# 1
65) tert-Butylbenzene	16.71	119	47381	0.167	ppbv	# 15
66) Benzyl Chloride	16.94	91	2406	0.065	ppbv	# 70
67) sec-Butylbenzene	17.26	105	164773	0.407	ppbv	98
69) p-Isopropyltoluene	17.62	119	54825	0.167	ppbv	# 47
70) n-Butylbenzene	18.52	91	126651	0.364	ppbv	97
72) 4-Ethyltoluene	15.81	105	98267	0.389	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	83217	0.366	ppbv	95
74) 1,2,4-Trimethylbenzene	16.73	105	63691	0.256	ppbv	95
75) 1,3-Dichlorobenzene	16.96	146	21374	0.157	ppbv	# 22
76) 1,4-Dichlorobenzene	17.10	146	21452	0.160	ppbv	# 23
77) 1,2-Dichlorobenzene	17.79	146	46705	0.347	ppbv	78
78) Hexachloro-1,3-Butadiene	23.35	225	56242	0.454	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	6790	0.111	ppbv	# 68
81) 1,2,4-Trichlorobenzene	21.89	180	20104	0.170	ppbv	# 1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 0.4 MDL

Acq: 13 May 2022 16:57

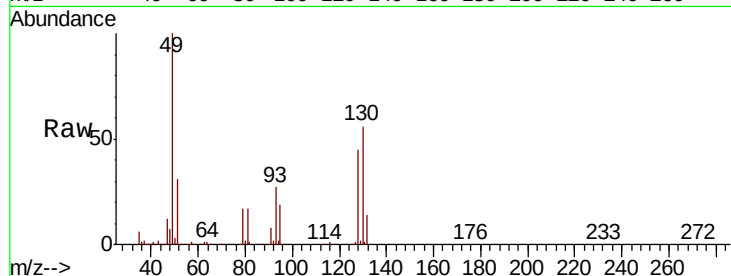
Tot Ion: 49 Resp: 924864

Ion Ratio Lower Upper

49 100

128 49.0 23.3 69.8

130 60.3 29.8 89.3



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

5.65

400000

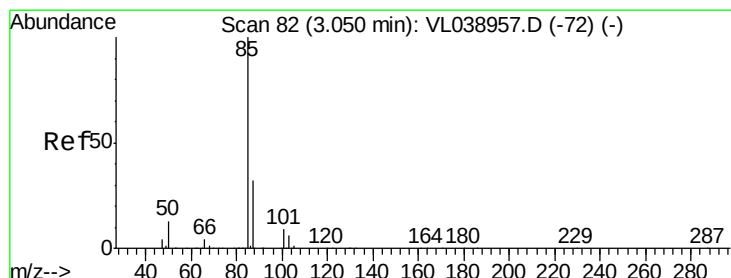
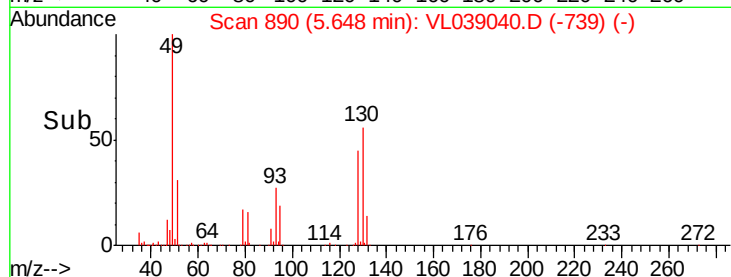
300000

200000

100000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.572 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL039040.D

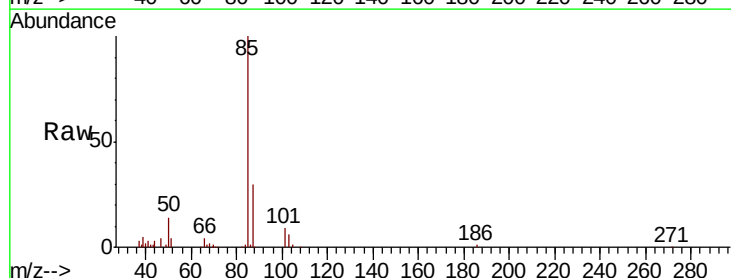
Acq: 13 May 2022 16:57

Tgt Ion: 85 Resp: 82924

Ion Ratio Lower Upper

85 100

87 30.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

60000

50000

40000

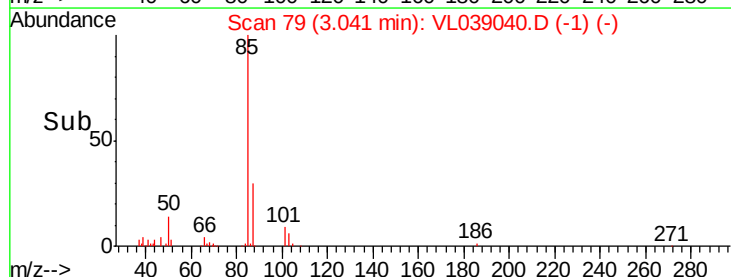
30000

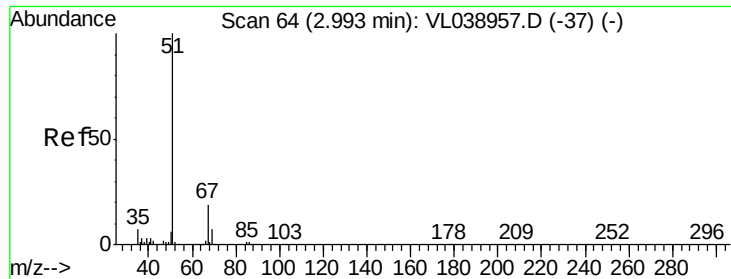
20000

10000

0

Time--> 3.00 3.05 3.10





#3

Chlorodifluoromethane

Concen: 0.457 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 0.4 MDL

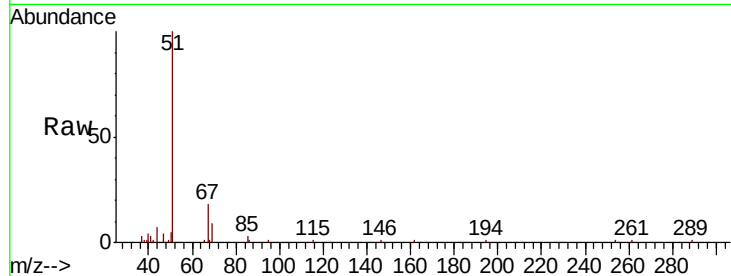
Acq: 13 May 2022 16:57

Tot Ion: 51 Resp: 52504

Ion Ratio Lower Upper

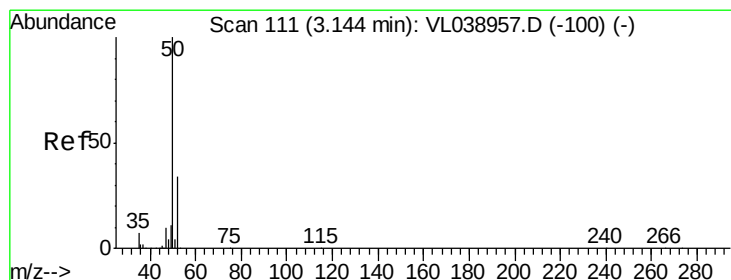
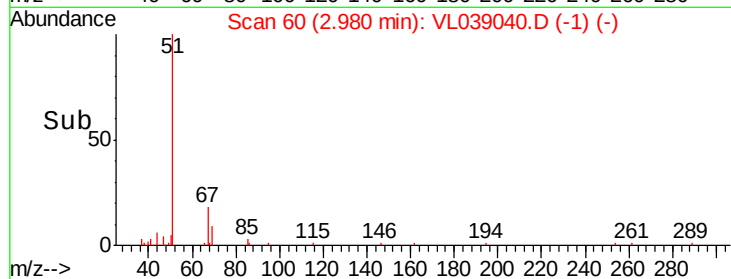
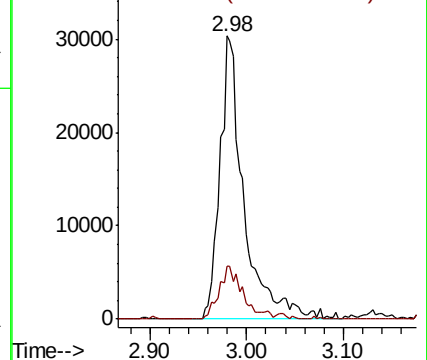
51 100

67 19.5 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.456 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL039040.D

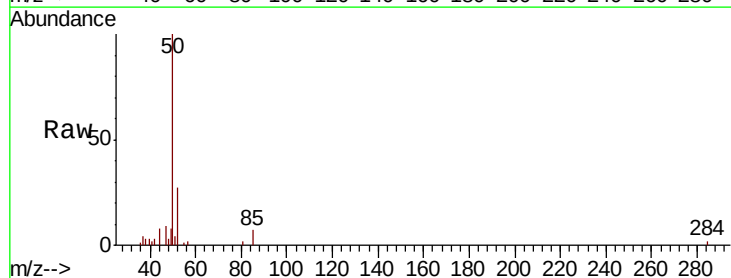
Acq: 13 May 2022 16:57

Tgt Ion: 50 Resp: 26179

Ion Ratio Lower Upper

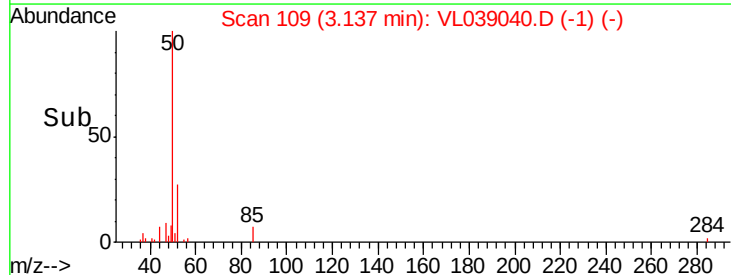
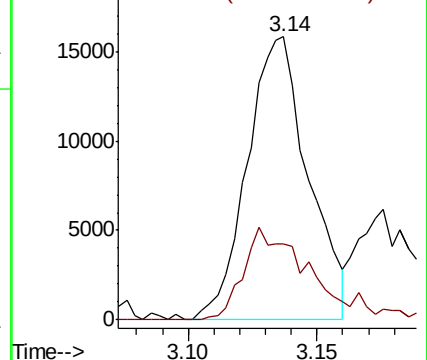
50 100

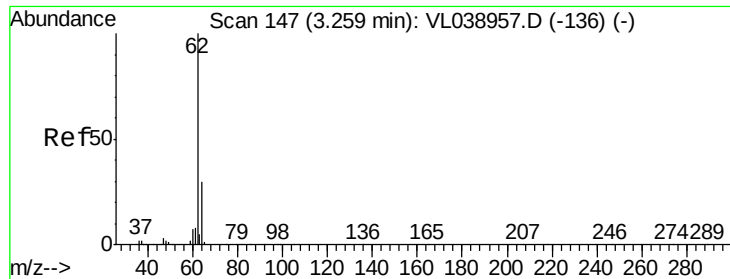
52 27.0 27.3 40.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.430 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

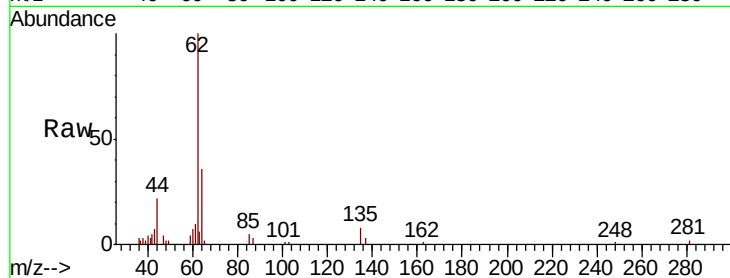
Acq: 13 May 2022 16:57

Tot Ion: 62 Resp: 22579

Ion Ratio Lower Upper

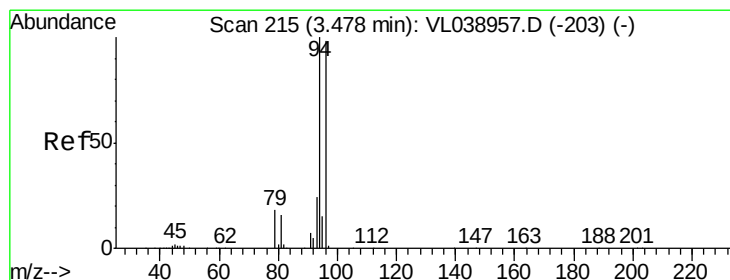
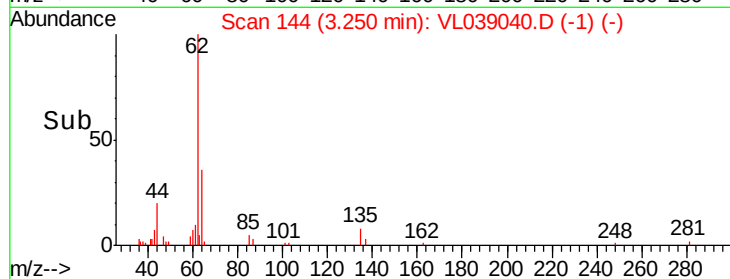
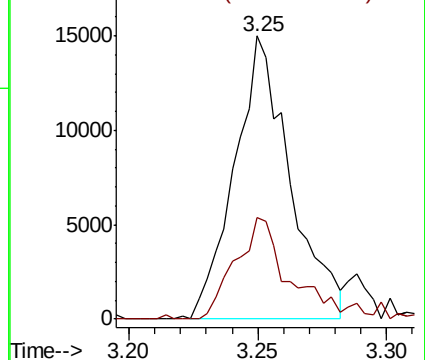
62 100

64 36.0 24.2 36.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.330 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL039040.D

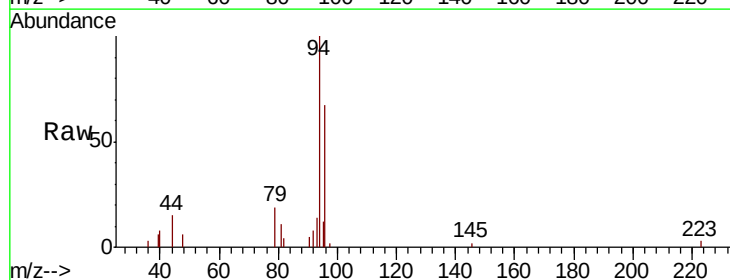
Acq: 13 May 2022 16:57

Tgt Ion: 94 Resp: 8171

Ion Ratio Lower Upper

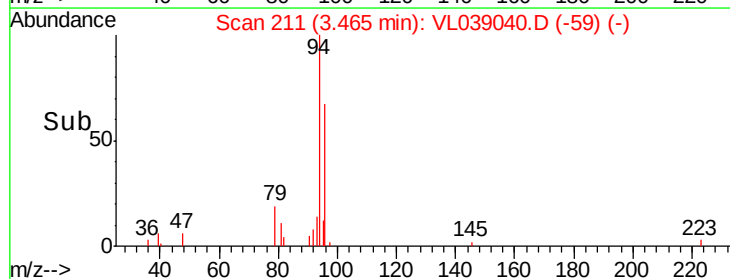
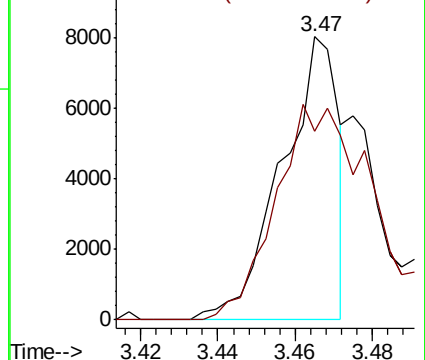
94 100

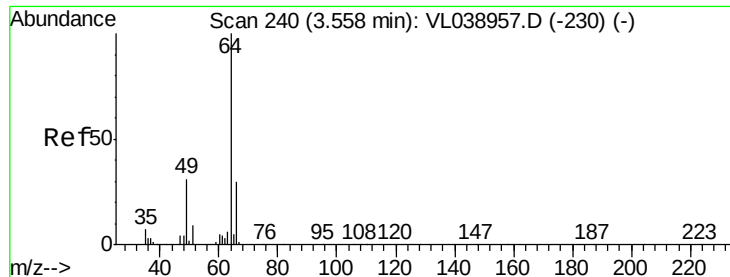
96 66.7 78.1 117.1#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.198 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

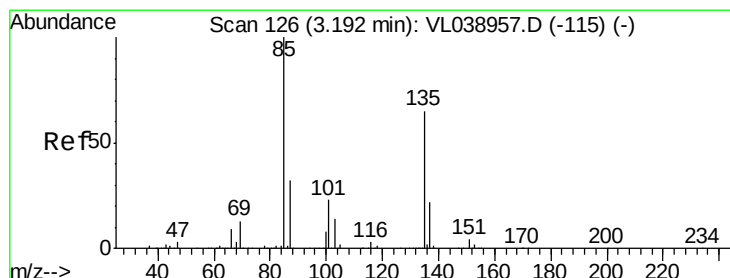
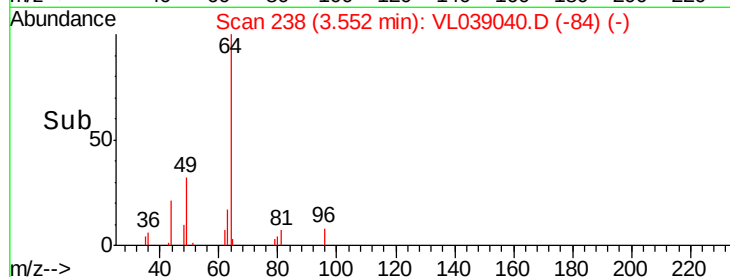
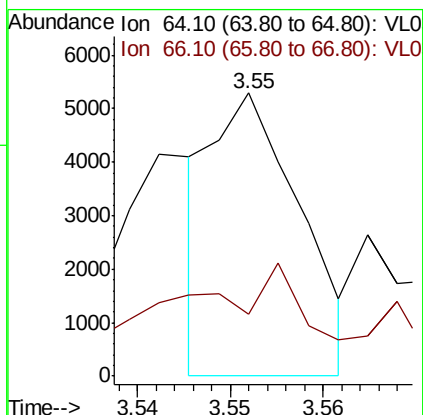
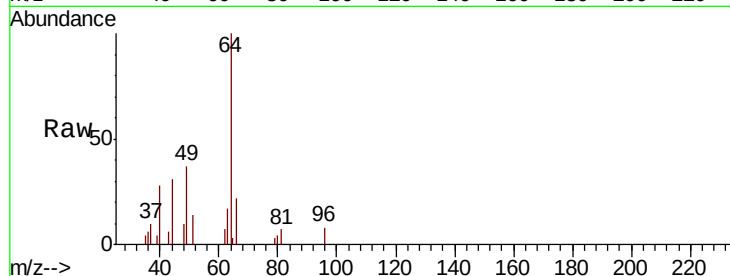
Acq: 13 May 2022 16:57

Tot Ion: 64 Resp: 3471

Ion Ratio Lower Upper

64 100

66 21.2 23.8 35.8#



#8

Dichlorotetrafluoroethane

Concen: 0.465 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL039040.D

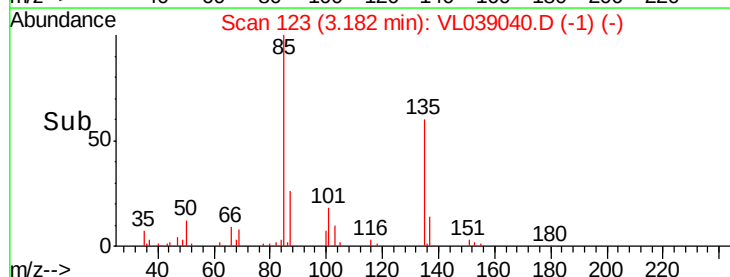
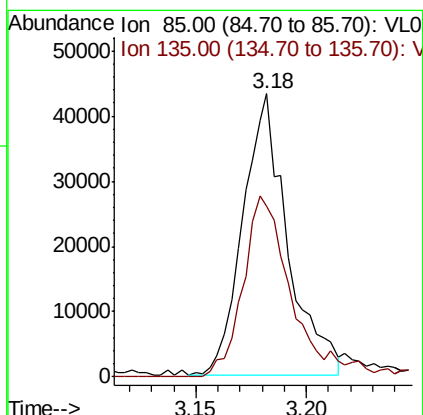
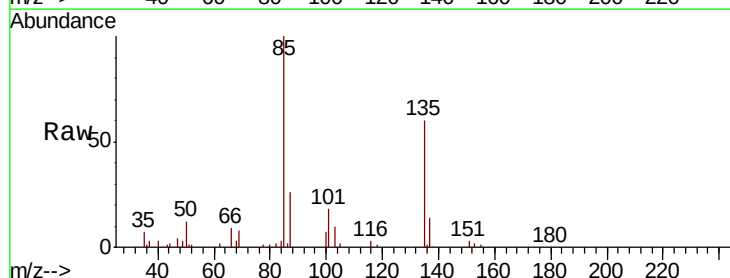
Acq: 13 May 2022 16:57

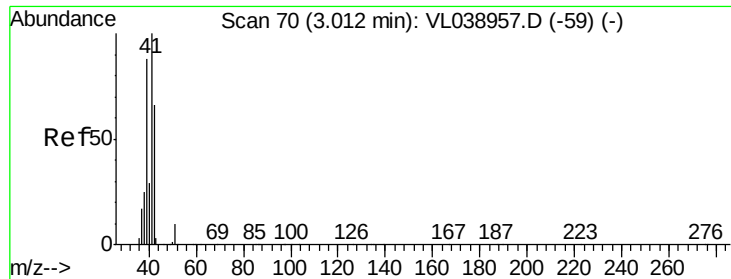
Tgt Ion: 85 Resp: 61066

Ion Ratio Lower Upper

85 100

135 72.0 53.6 80.4





#9

Propene

Concen: 0.269 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

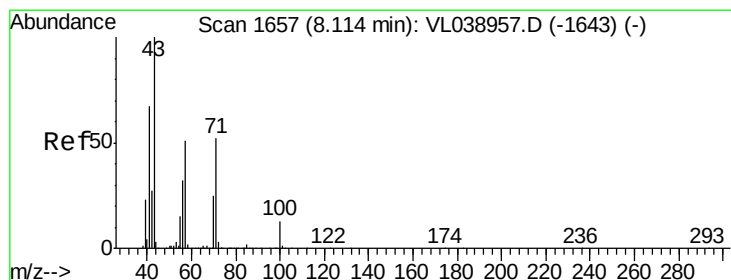
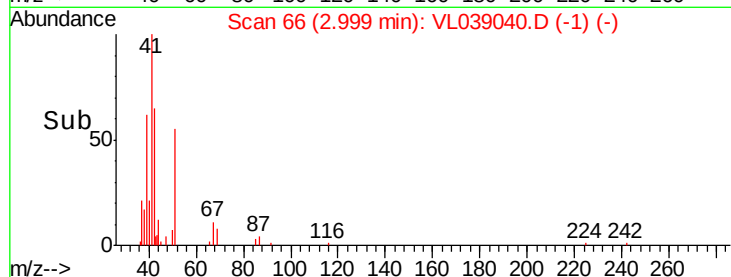
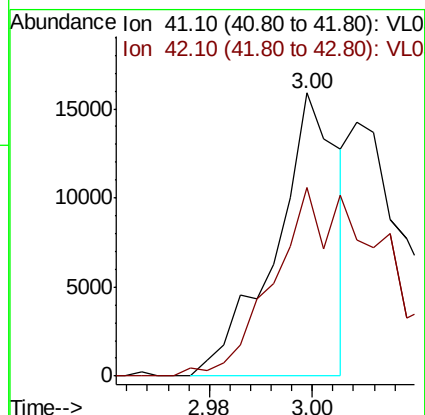
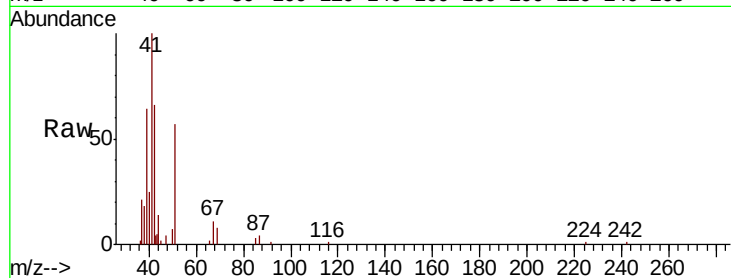
Acq: 13 May 2022 16:57

Tot Ion: 41 Resp: 13483

Ion Ratio Lower Upper

41 100

42 139.6 58.3 87.5#



#10

Heptane

Concen: 0.170 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.02 min

Lab File: VL039040.D

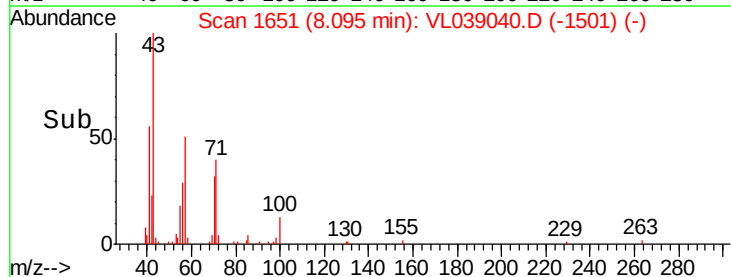
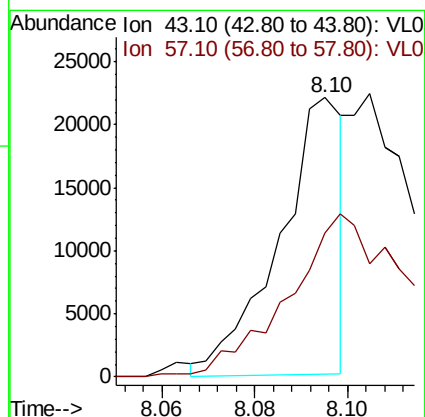
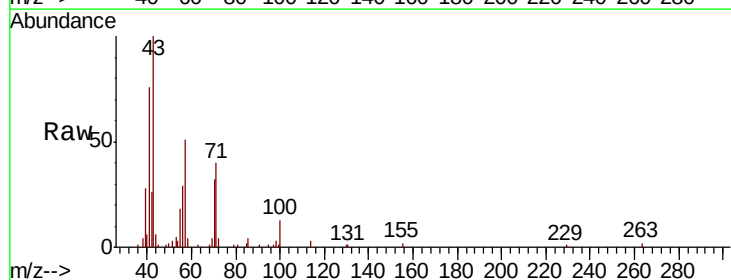
Acq: 13 May 2022 16:57

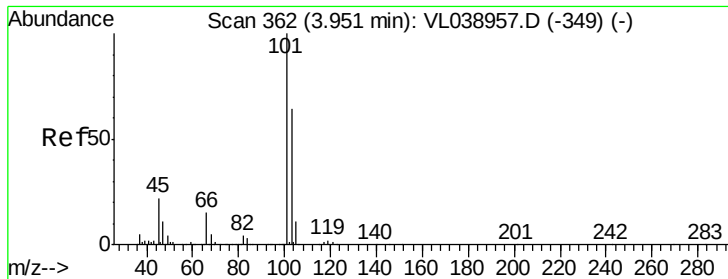
Tgt Ion: 43 Resp: 20958

Ion Ratio Lower Upper

43 100

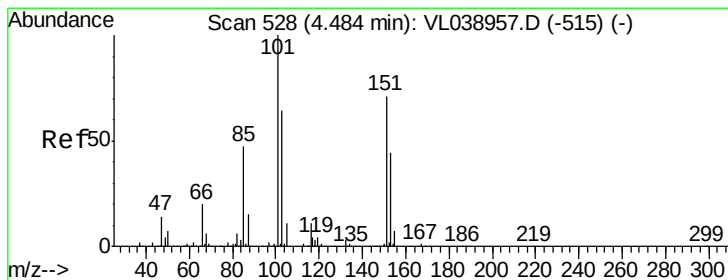
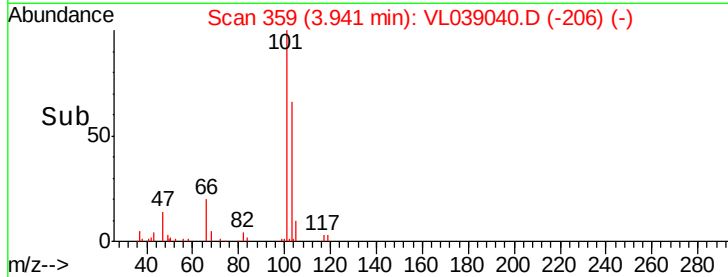
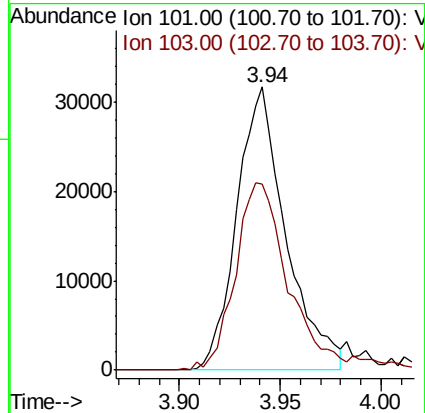
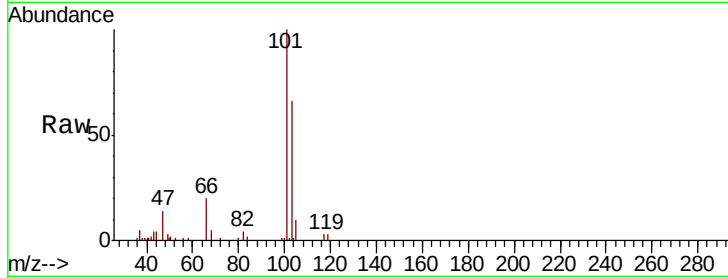
57 125.8 40.5 60.7#





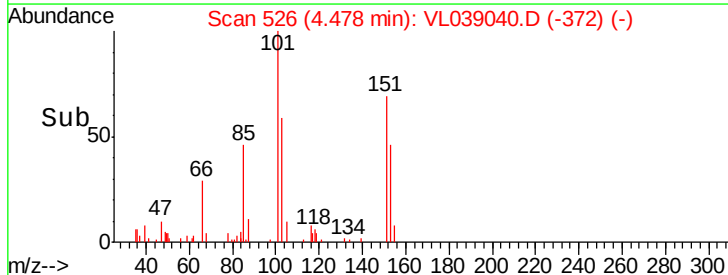
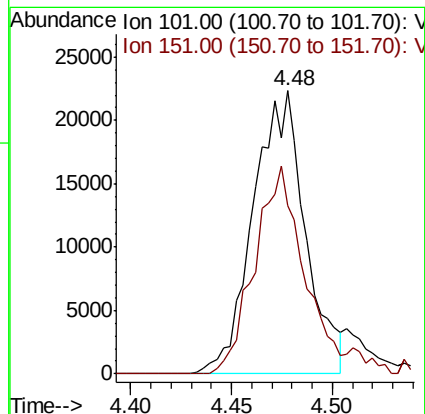
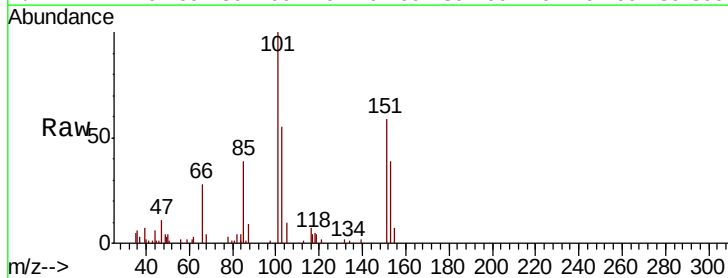
#11
 Trichlorofluoromethane
 Concen: 0.434 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:57

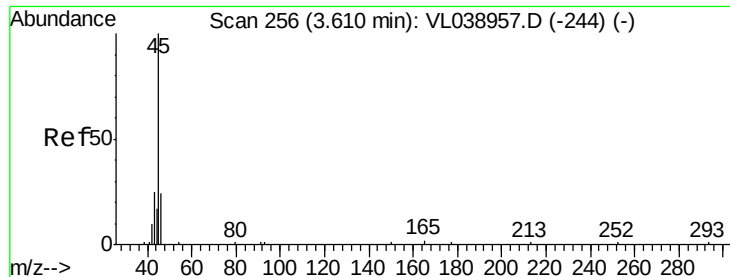
Tot Ion:101 Resp: 53919
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.469 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

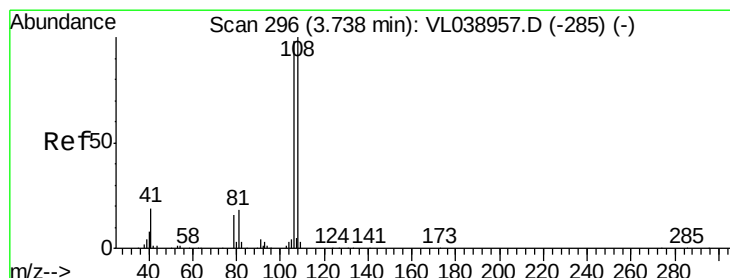
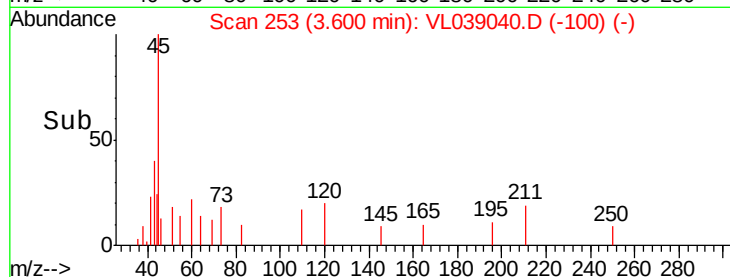
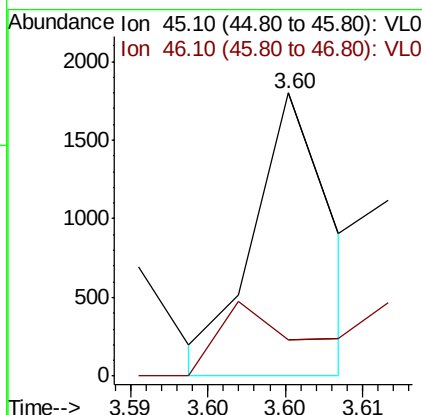
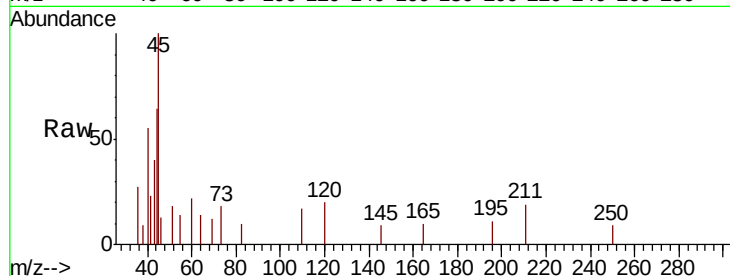
Tgt Ion:101 Resp: 40192
 Ion Ratio Lower Upper
 101 100
 151 73.0 55.4 83.0





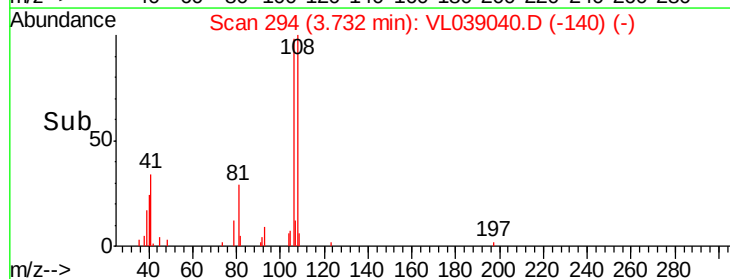
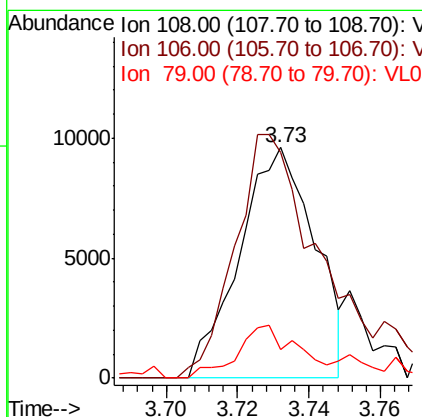
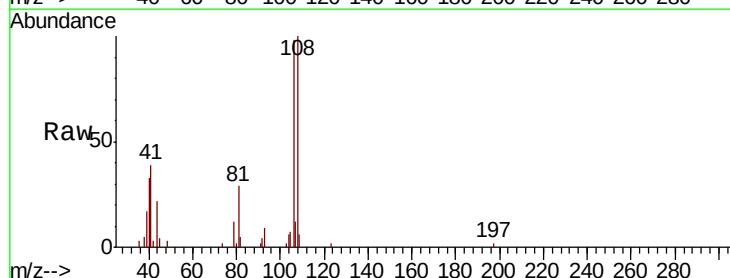
#13
Ethanol
Concen: 0.175 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 13 May 2022 16:57

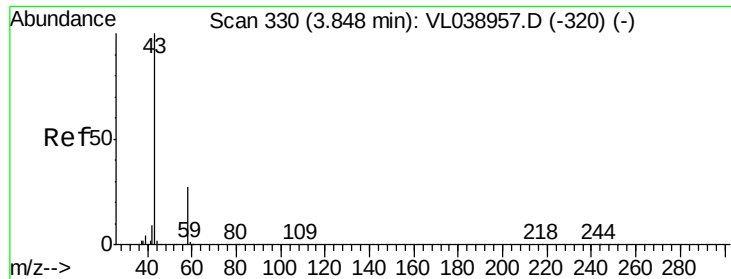
Tot Ion: 45 Resp: 621
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#14
Bromoethene
Concen: 0.398 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

Tgt Ion: 108 Resp: 14040
Ion Ratio Lower Upper
108 100
106 131.3 90.3 135.5
79 29.1 14.9 22.3#





#15

Acetone

Concen: 0.411 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

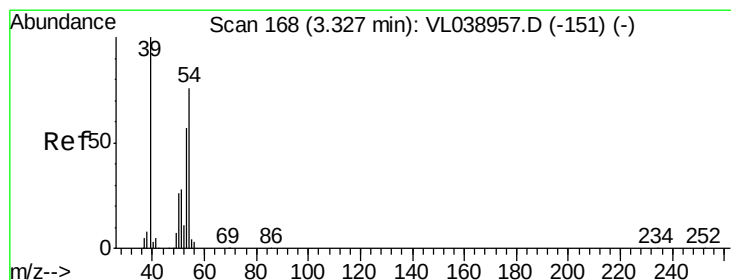
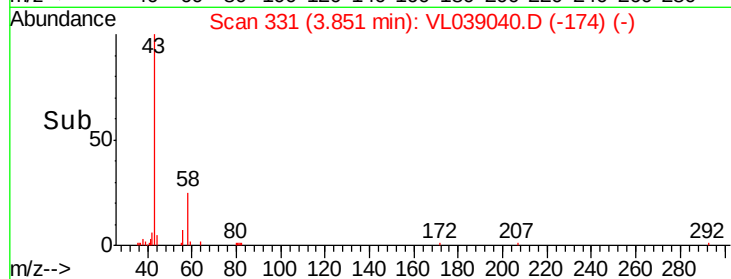
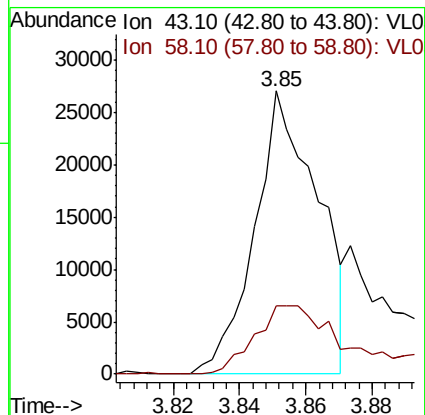
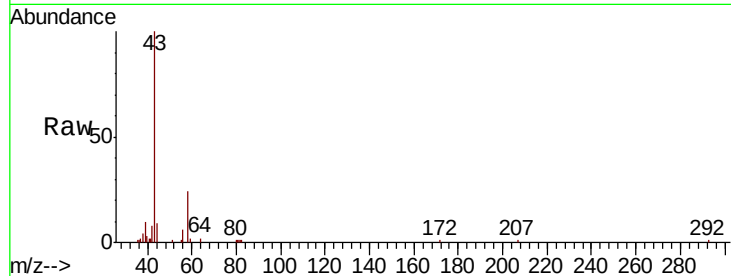
Acq: 13 May 2022 16:57

Tot Ion: 43 Resp: 35895

Ion Ratio Lower Upper

43 100

58 38.7 21.3 31.9#



#16

1,3-Butadiene

Concen: 0.268 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL039040.D

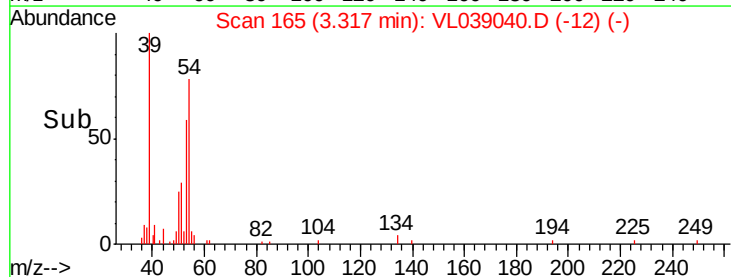
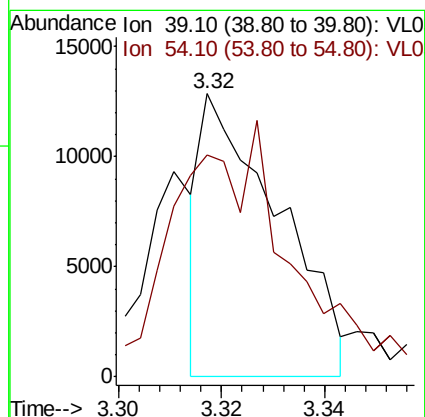
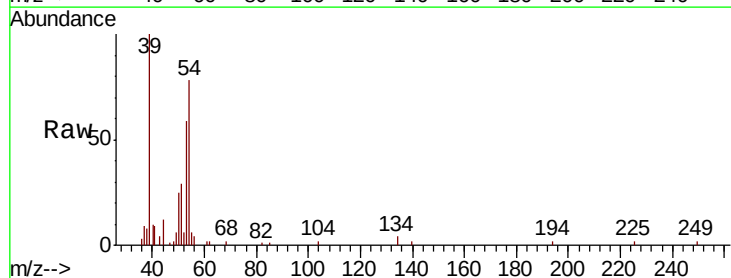
Acq: 13 May 2022 16:57

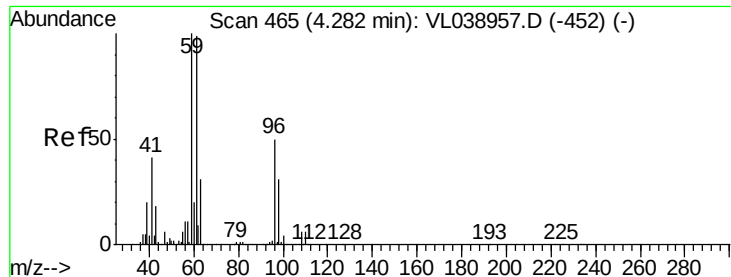
Tgt Ion: 39 Resp: 13427

Ion Ratio Lower Upper

39 100

54 141.1 65.2 97.8#





#17

tert-Butyl alcohol

Concen: 0.405 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

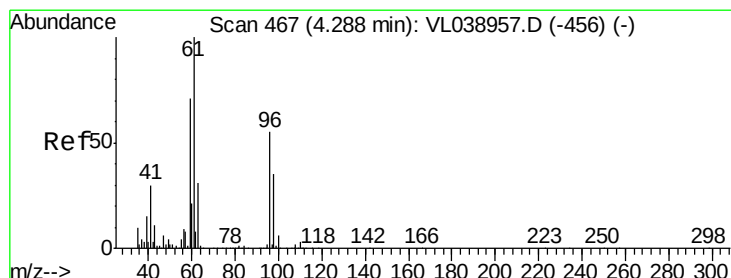
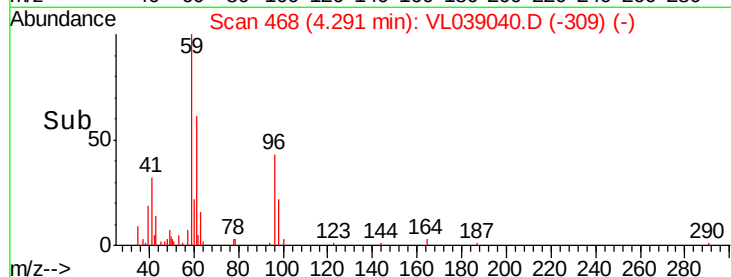
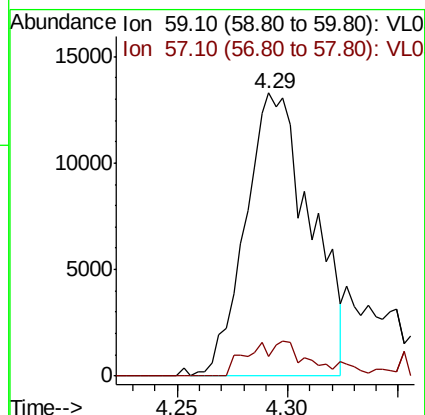
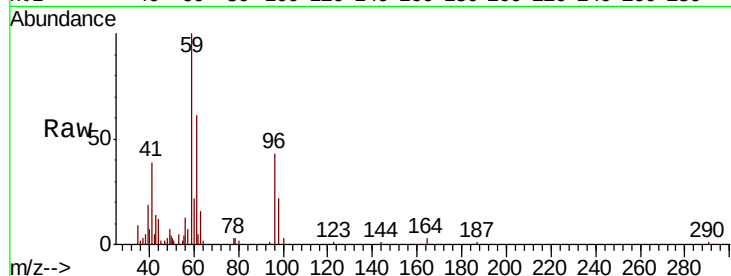
Acq: 13 May 2022 16:57

Tot Ion: 59 Resp: 27160

Ion Ratio Lower Upper

59 100

57 12.8 9.2 13.8



#18

1,1-Dichloroethene

Concen: 0.479 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

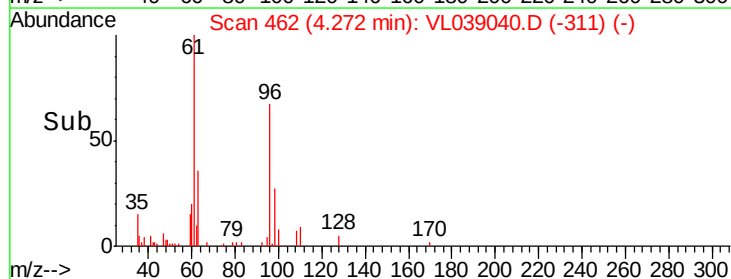
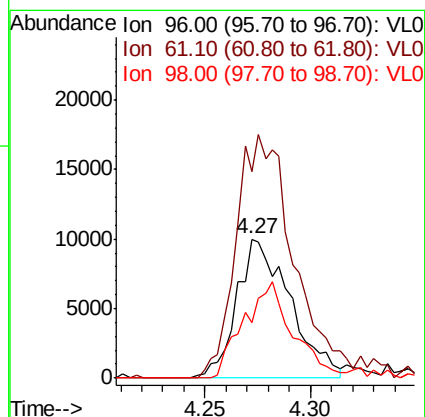
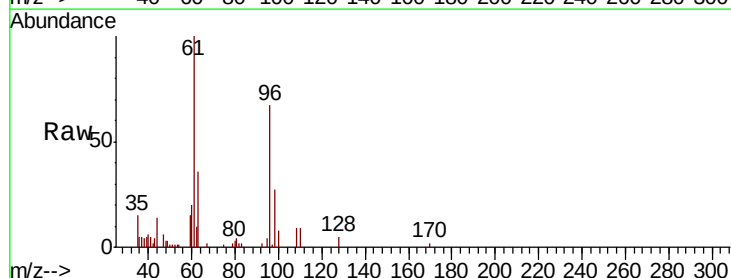
Tgt Ion: 96 Resp: 17662

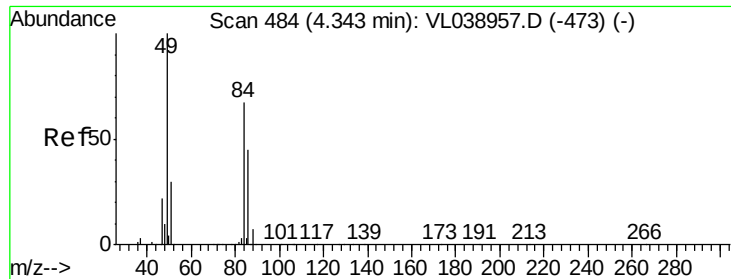
Ion Ratio Lower Upper

96 100

61 148.7 146.3 219.5

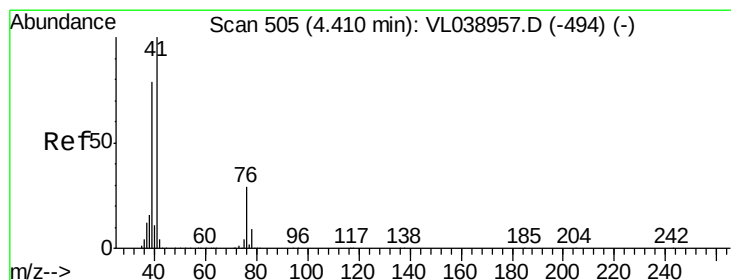
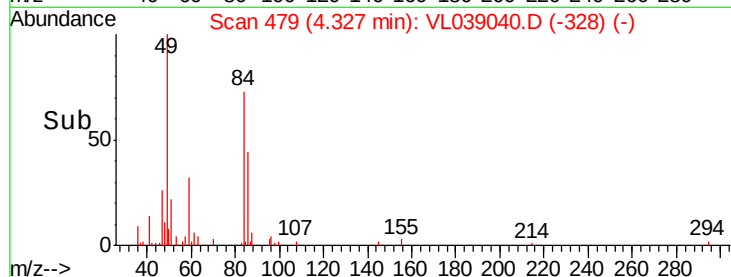
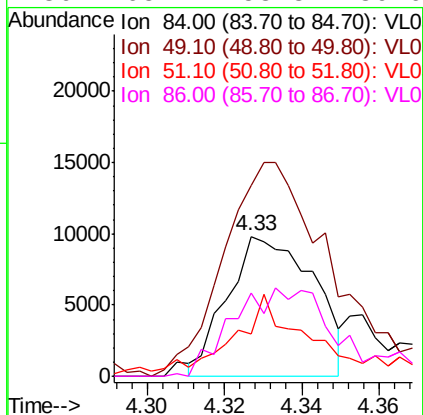
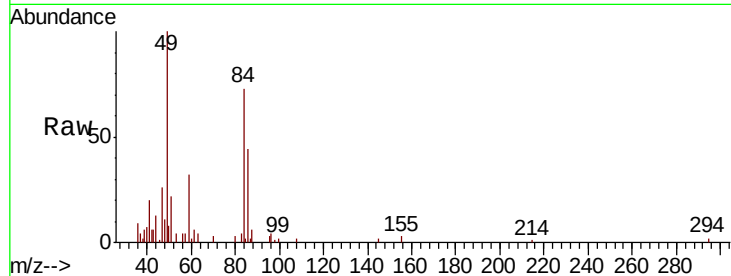
98 40.0 50.6 75.8#





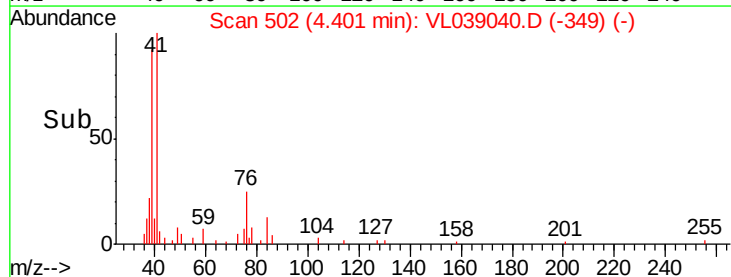
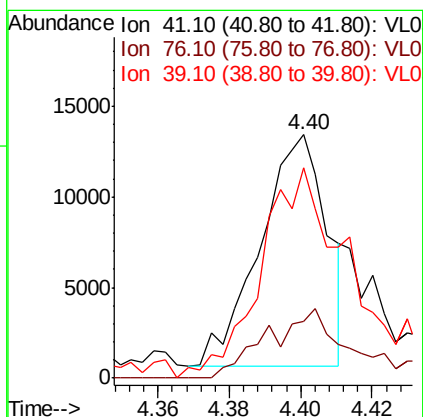
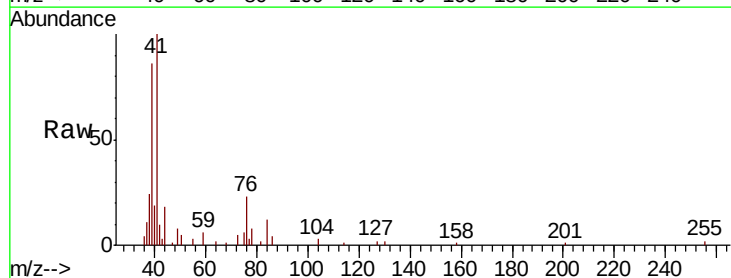
#20
Methylene Chloride
Concen: 0.461 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 16:57

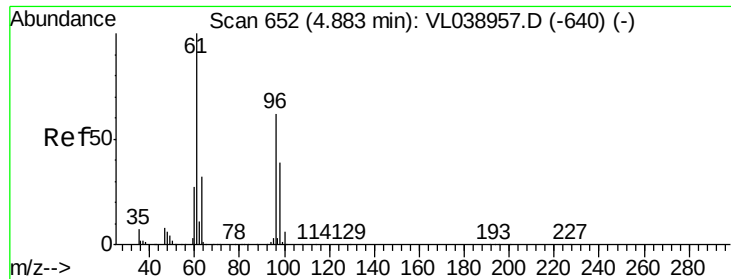
Tot Ion: 84 Resp: 15164
Ion Ratio Lower Upper
84 100
49 126.8 119.9 179.9
51 26.3 35.7 53.5#
86 65.1 53.8 80.6



#21
Allyl Chloride
Concen: 0.277 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

Tgt Ion: 41 Resp: 16458
Ion Ratio Lower Upper
41 100
76 40.9 24.2 36.4#
39 134.8 63.8 95.8#





#22

trans-1,2-Dichloroethene

Concen: 0.446 ppbv

RT: 4.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

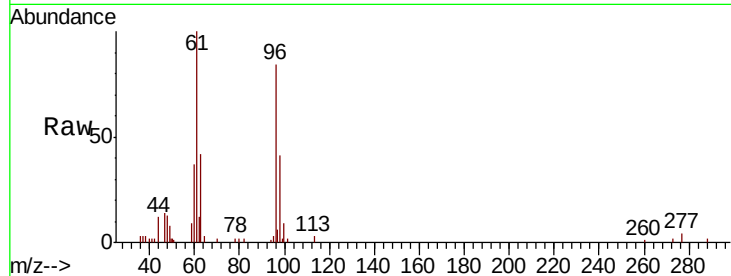
Tot Ion: 96 Resp: 17759

Ion Ratio Lower Upper

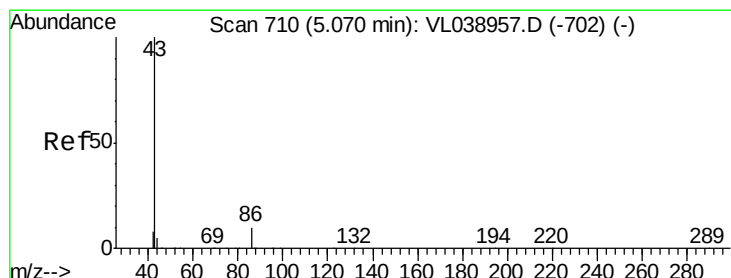
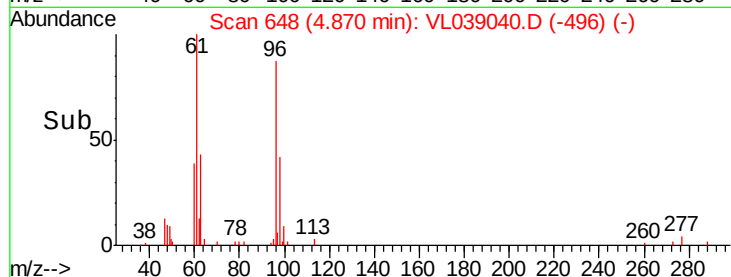
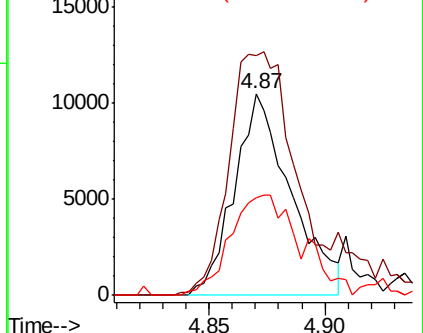
96 100

61 117.2 128.2 192.2#

98 46.6 50.1 75.1#



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



#23

Vinyl Acetate

Concen: 0.366 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

Tgt Ion: 43 Resp: 25234

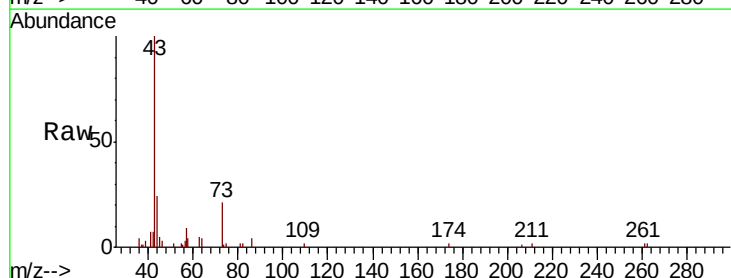
Ion Ratio Lower Upper

43 100

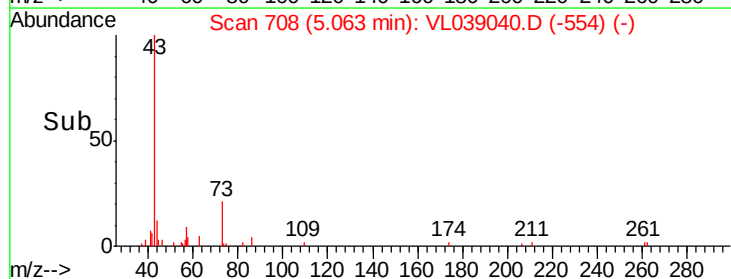
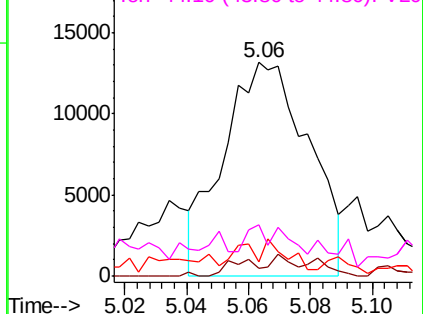
86 3.2 6.6 9.8#

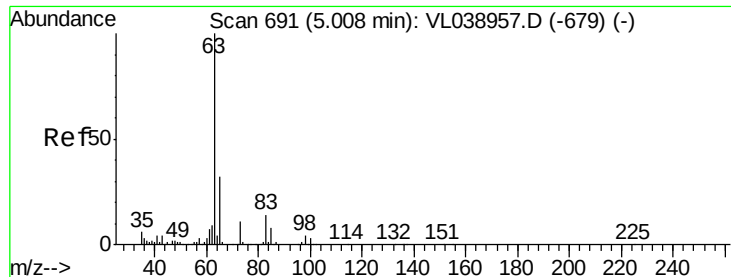
42 0.0 8.1 12.1#

44 19.6 3.5 5.3#



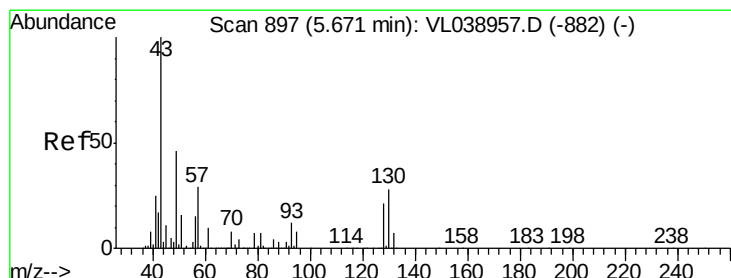
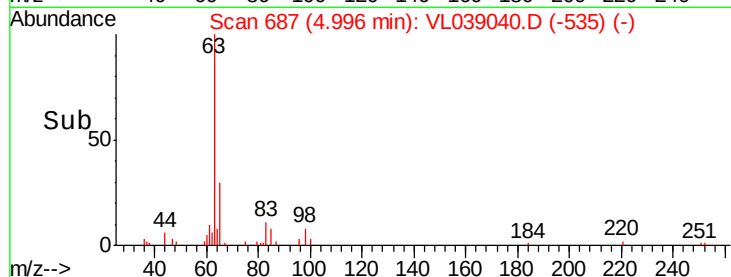
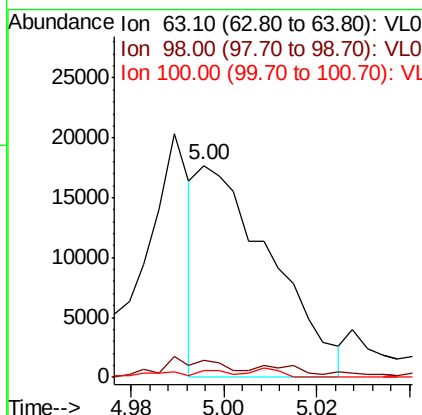
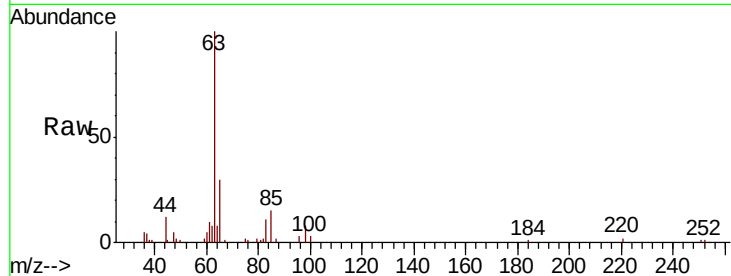
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





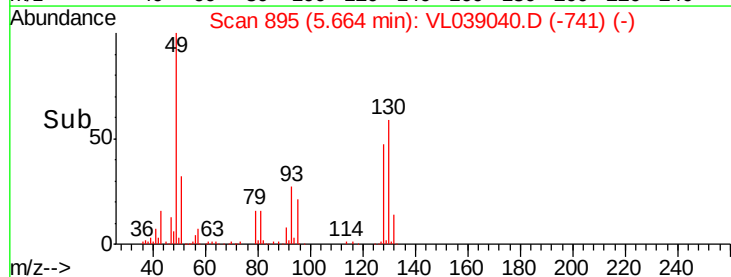
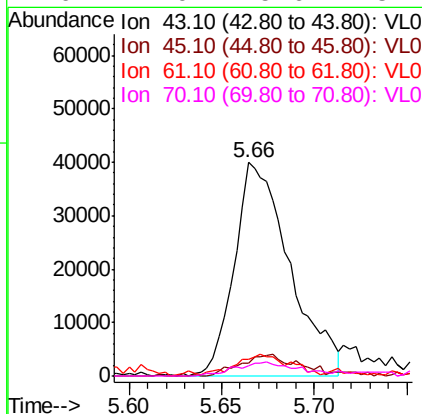
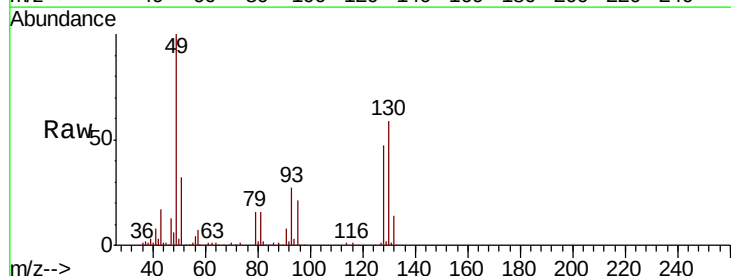
#24
 1,1-Dichloroethane
 Concen: 0.243 ppbv
 RT: 5.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:57

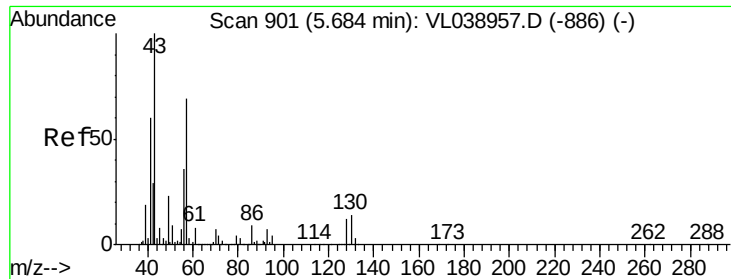
Tot Ion:	63	Resp:	19293
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.1	6.2#
100	3.9	1.4	4.2



#25
 Ethyl Acetate
 Concen: 0.398 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion:	43	Resp:	83203
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.1	12.1
61	10.6	7.8	11.6
70	7.0	5.6	8.4





#26

Hexane

Concen: 0.220 ppbv

RT: 5.67

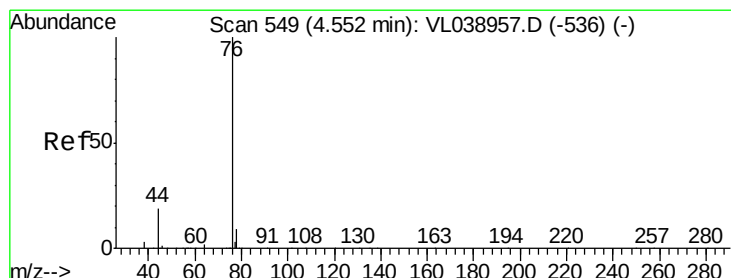
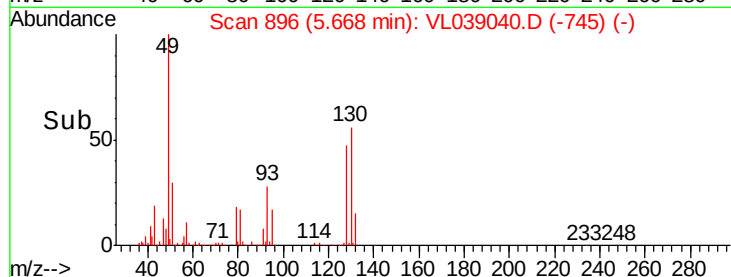
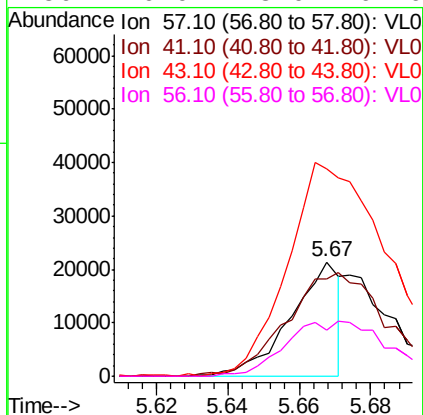
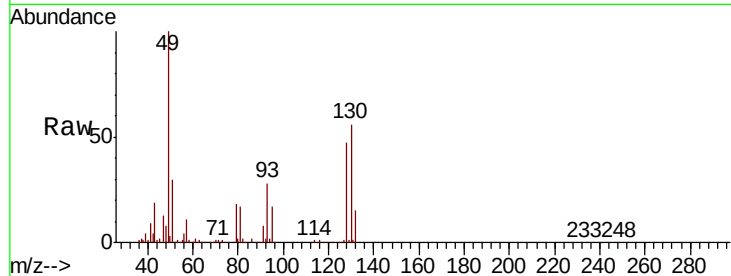
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

Tot Ion: 57 Resp: 20451

Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.2	112.8#
43	443.5	190.8	286.2#
56	0.0	43.0	64.6#



#27

Carbon Disulfide

Concen: 0.319 ppbv

RT: 4.54 min Scan# 545

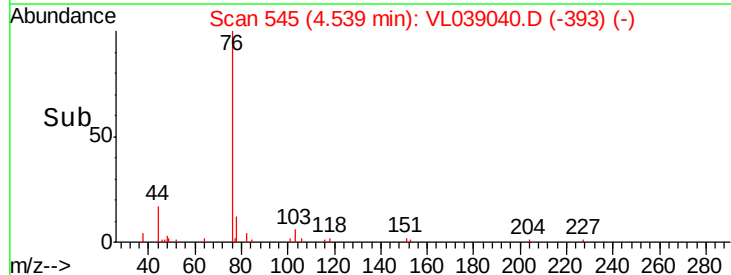
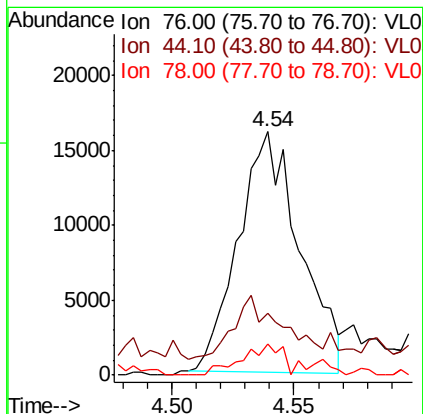
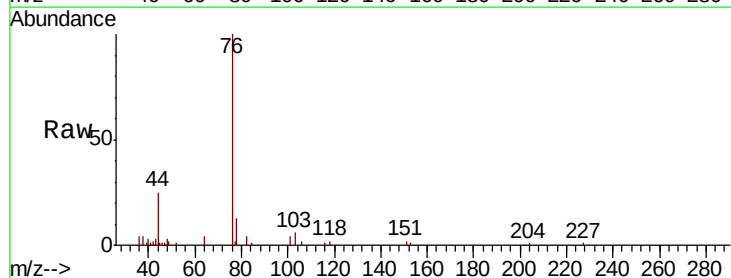
Delta R.T. -0.01 min

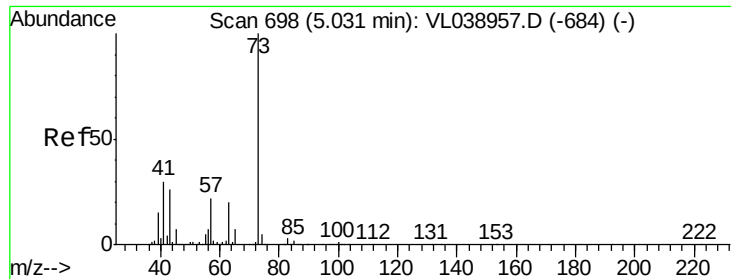
Lab File: VL039040.D

Acq: 13 May 2022 16:57

Tgt Ion: 76 Resp: 28150

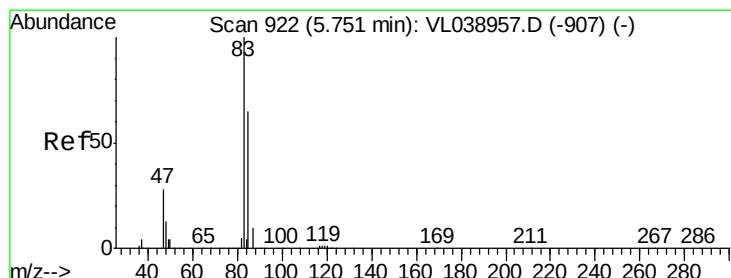
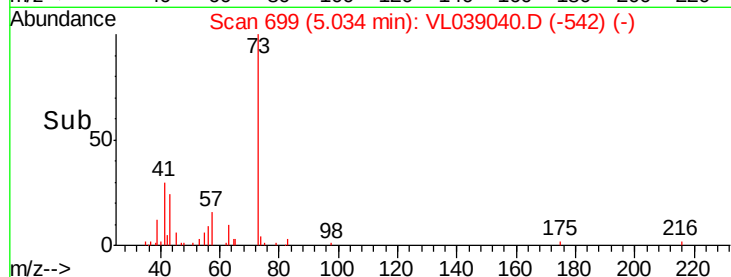
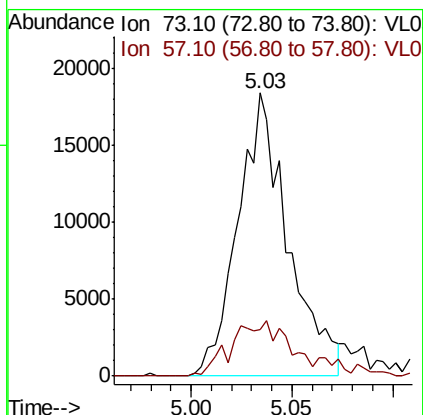
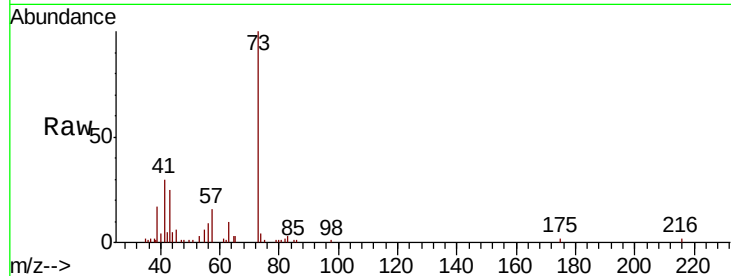
Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.3	22.9
78	11.7	8.2	12.2





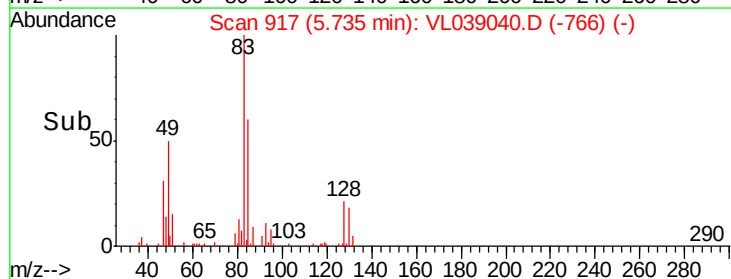
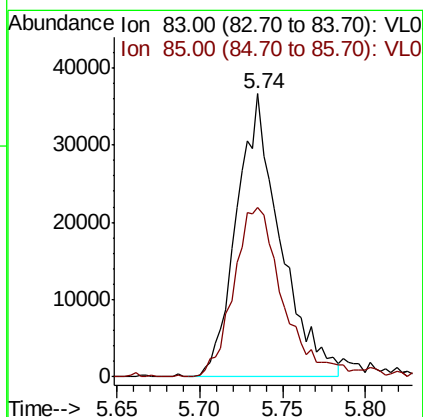
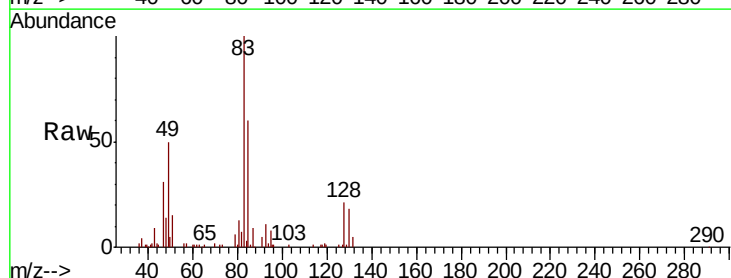
#28
Methyl tert-Butyl Ether
Concen: 0.453 ppbv
RT: 5.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 May 2022 16:57

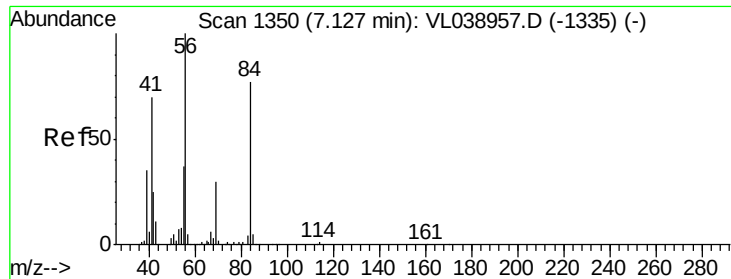
Tot Ion: 73 Resp: 32009
Ion Ratio Lower Upper
73 100
57 26.3 18.8 28.2



#29
Chloroform
Concen: 0.447 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

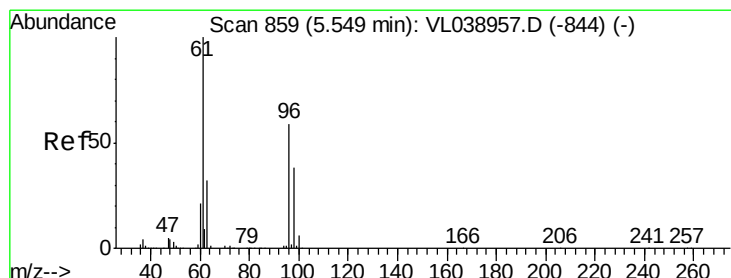
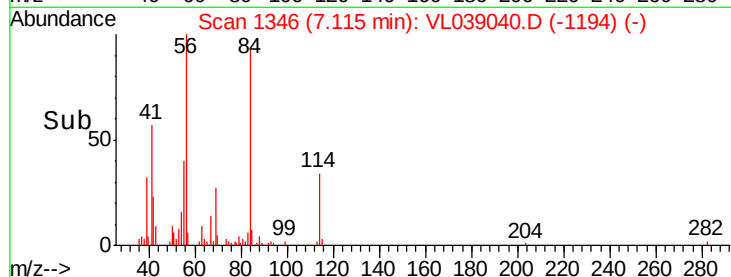
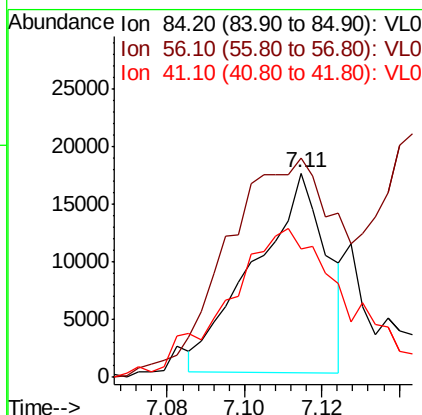
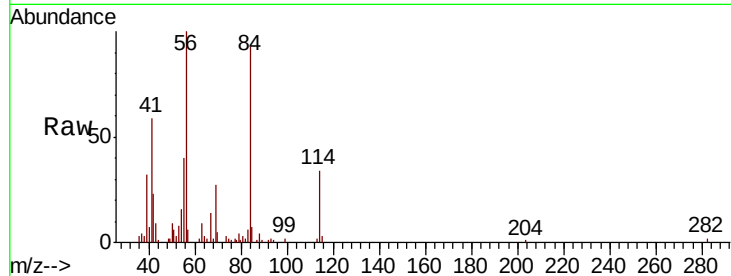
Tgt Ion: 83 Resp: 67165
Ion Ratio Lower Upper
83 100
85 59.9 51.8 77.6





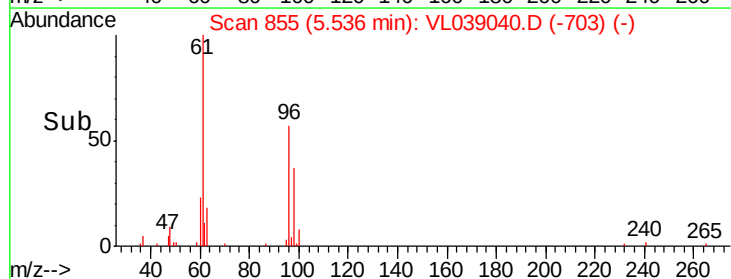
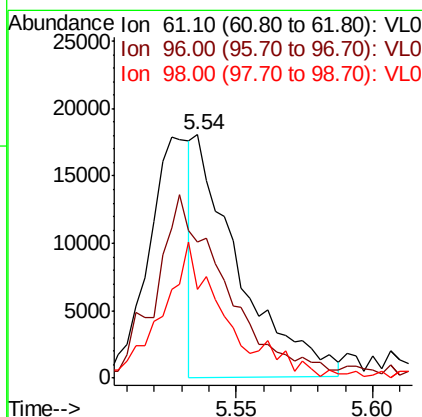
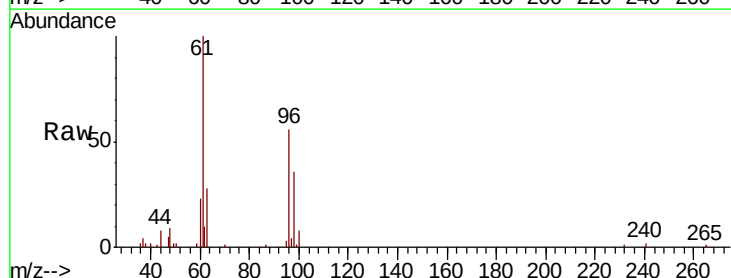
#30
Cyclohexane
Concen: 0.289 ppbv
RT: 7.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 May 2022 16:57

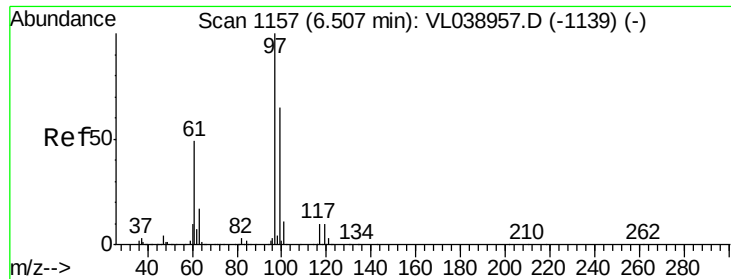
Tot Ion: 84 Resp: 22416
Ion Ratio Lower Upper
84 100
56 178.0 115.3 172.9#
41 132.6 72.0 108.0#



#31
cis-1,2-Dichloroethene
Concen: 0.217 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

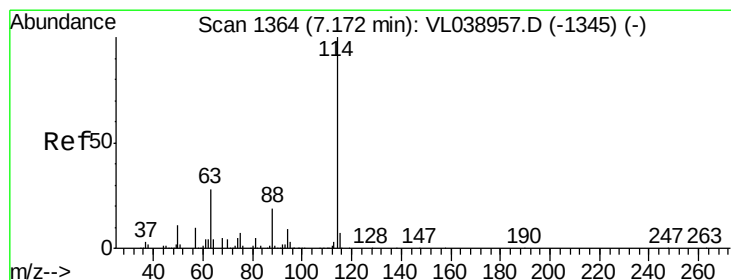
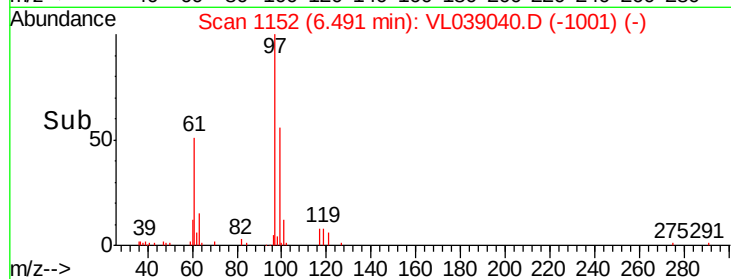
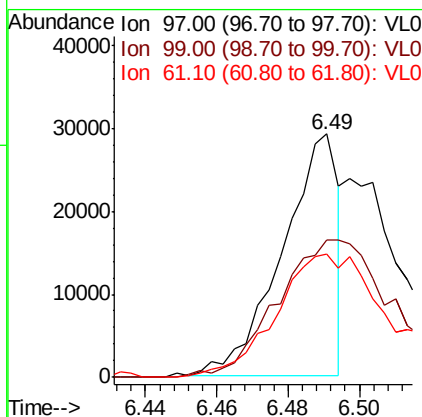
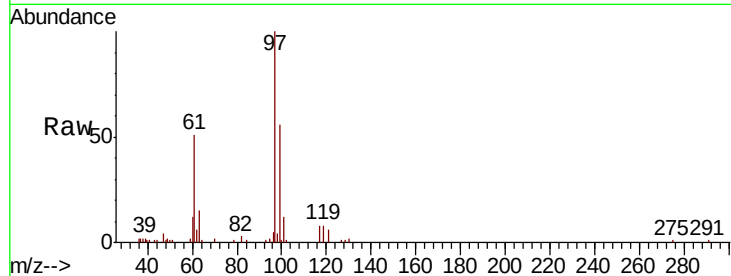
Tgt Ion: 61 Resp: 20523
Ion Ratio Lower Upper
61 100
96 56.4 47.4 71.0
98 36.7 30.6 45.8





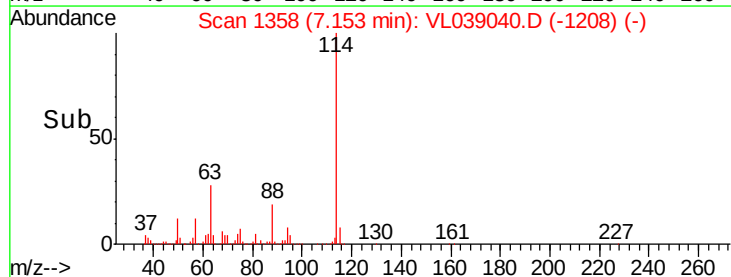
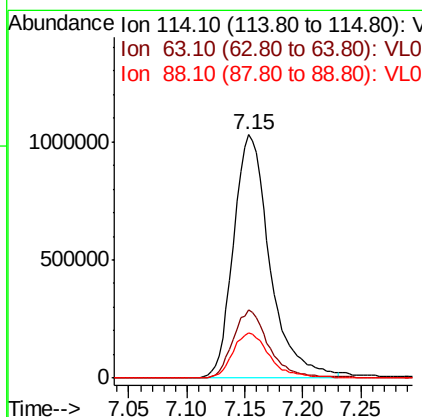
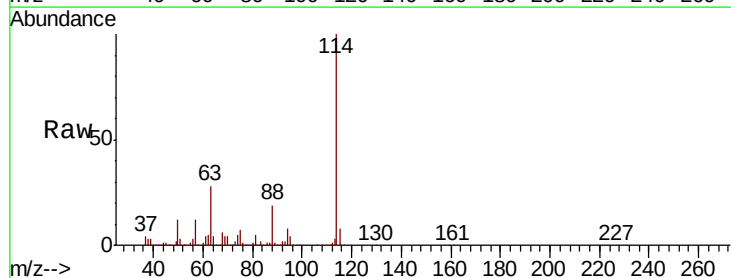
#32
 1,1,1-Trichloroethane
 Concen: 0.211 ppbv
 RT: 6.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:57

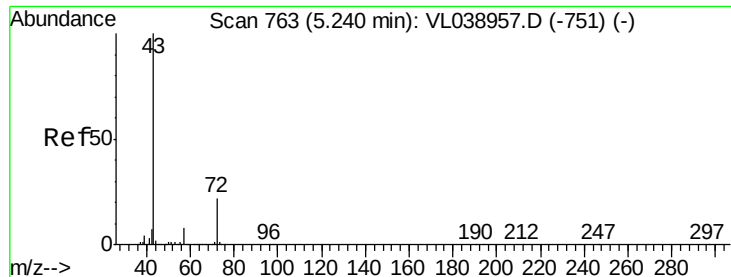
Tot Ion	97	Resp	31599
Ion Ratio	Lower	Upper	
97	100		
99	124.0	51.9	77.9#
61	104.0	40.9	61.3#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

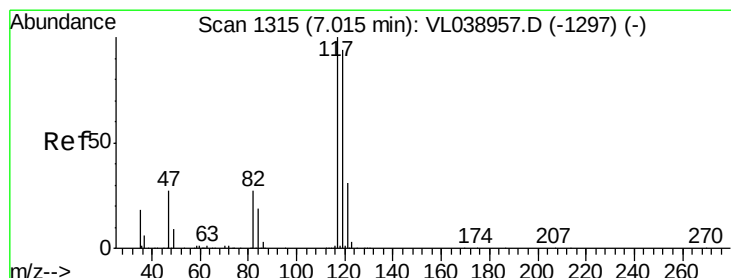
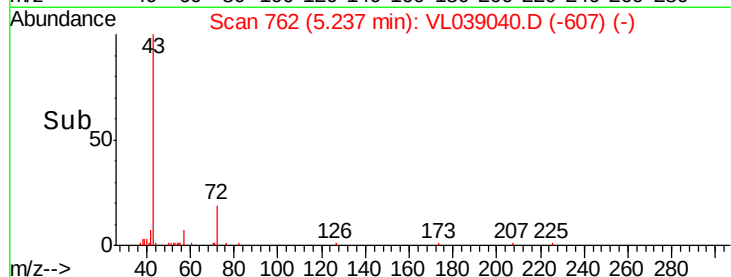
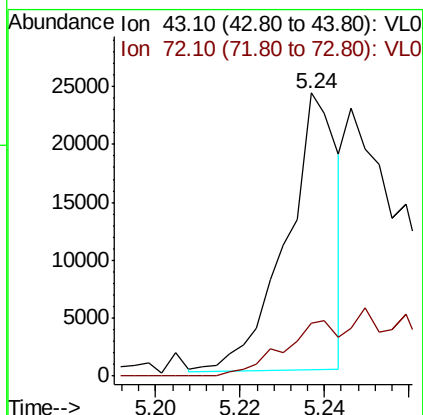
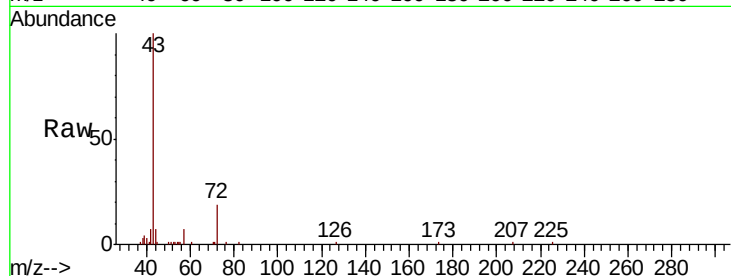
Tgt Ion	114	Resp	2248908
Ion Ratio	Lower	Upper	
114	100		
63	28.0	22.6	33.8
88	19.2	15.4	23.0





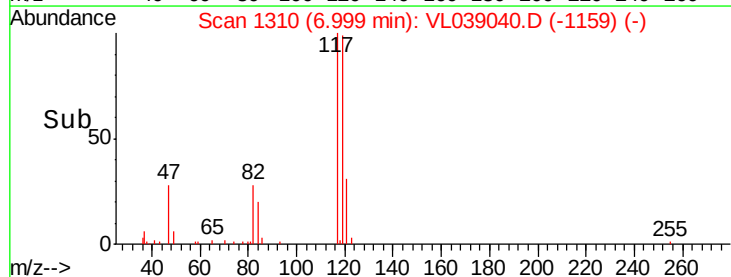
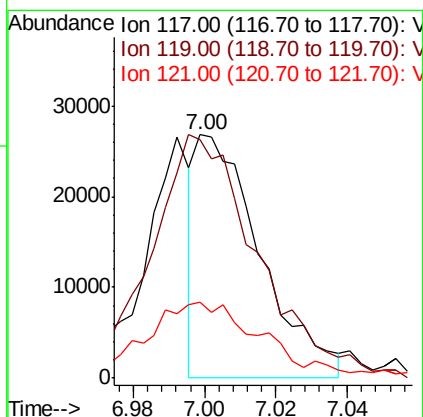
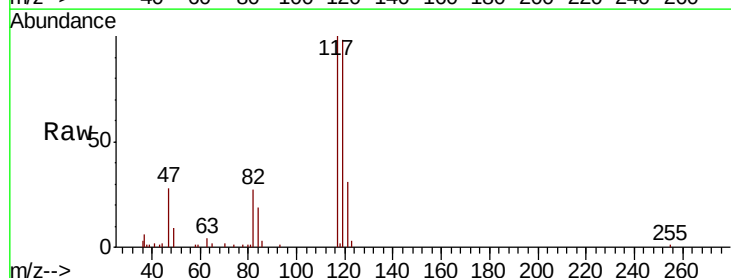
#34
 2-Butanone
 Concen: 0.176 ppbv
 RT: 5.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:57

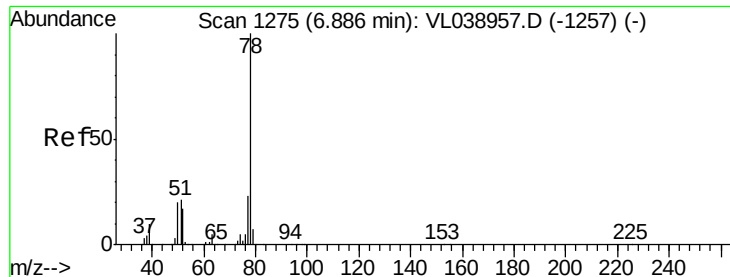
Tot Ion: 43 Resp: 20140
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



#35
 Carbon Tetrachloride
 Concen: 0.225 ppbv
 RT: 7.00 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion: 117 Resp: 33404
 Ion Ratio Lower Upper
 117 100
 119 99.2 75.2 112.8
 121 31.1 24.6 37.0





#36

Benzene

Concen: 0.396 ppbv

RT: 6.87 Instrument:

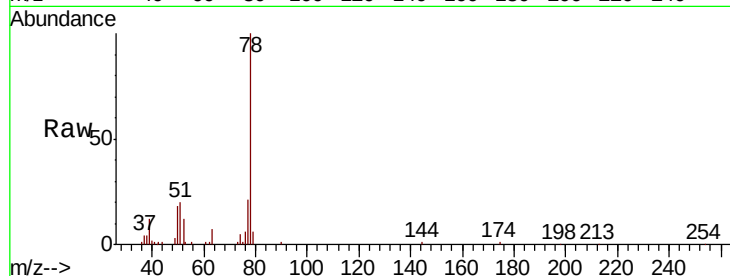
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

Tot Ion: 78 Resp: 76180

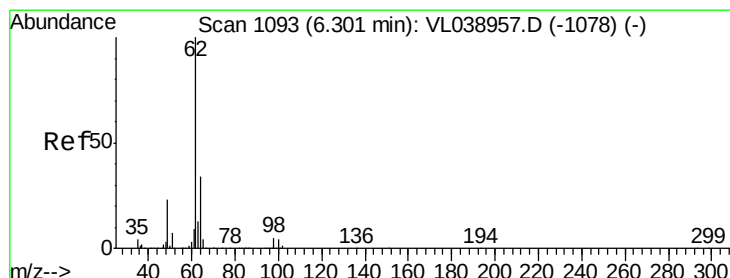
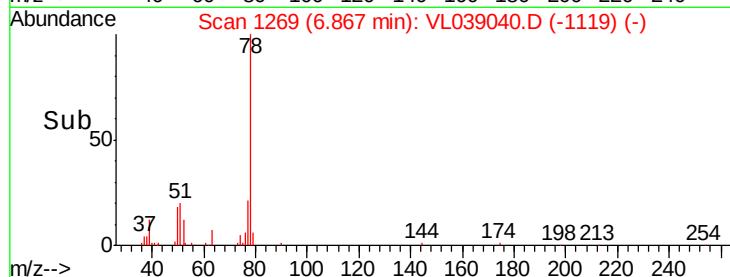
Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.6	28.0
50	18.4	15.6	23.4



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.177 ppbv

RT: 6.28 min Scan# 1087

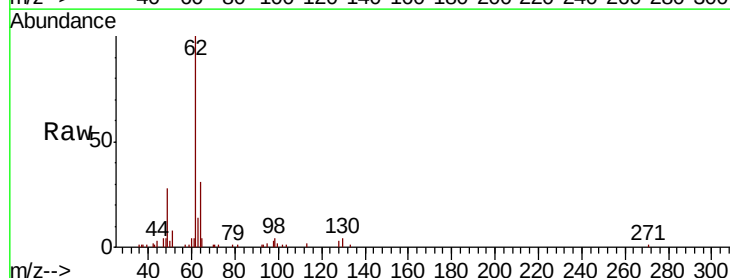
Delta R.T. -0.02 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

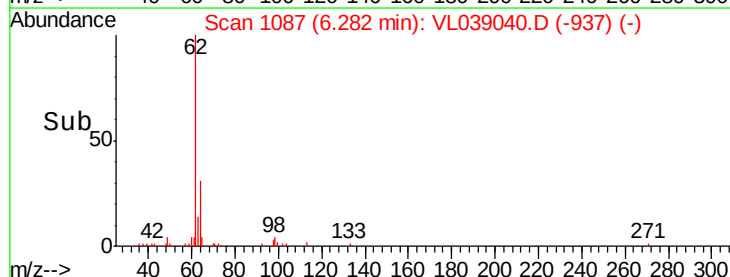
Tgt Ion: 62 Resp: 21095

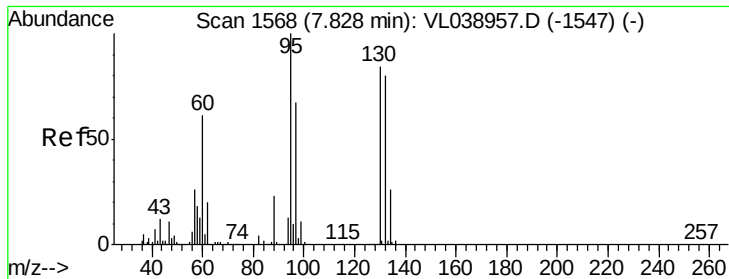
Ion	Ratio	Lower	Upper
62	100		
98	11.4	4.5	6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

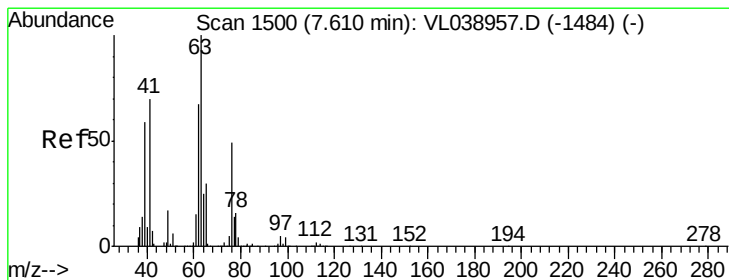
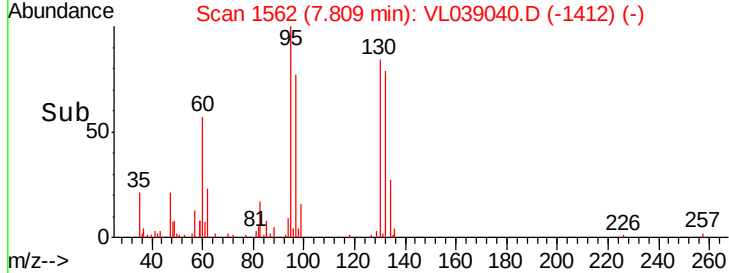
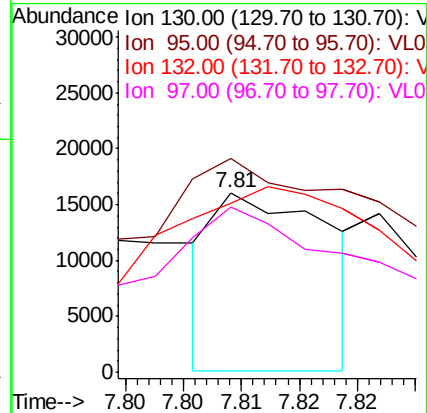
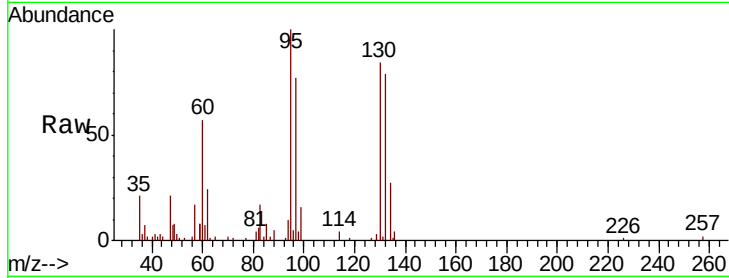
Ion 98.00 (97.70 to 98.70): VL0





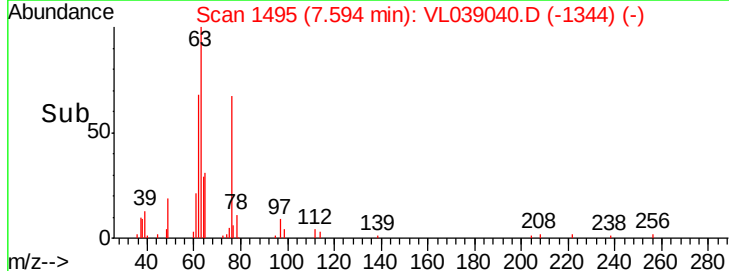
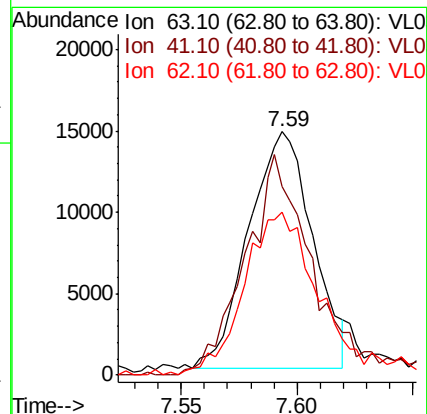
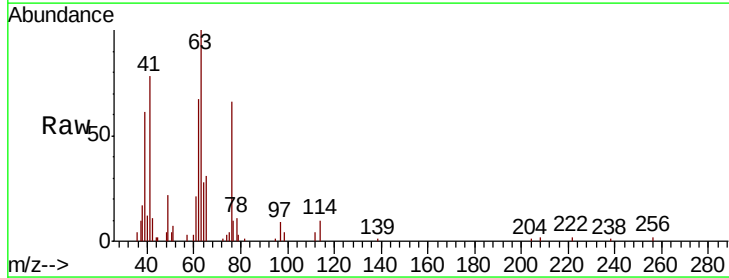
#38
 Trichloroethene
 Concen: 0.128 ppbv
 RT: 7.81
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:57

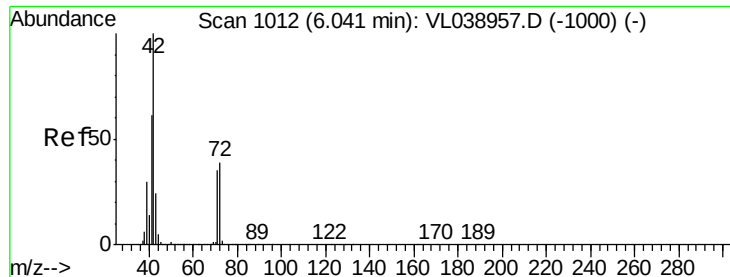
Tot Ion:130	Resp:	10988
Ion Ratio	Lower	Upper
130	100	
95	59.5	94.8 142.2#
132	29.2	75.8 113.8#
97	89.9	63.6 95.4



#39
 1,2-Dichloropropane
 Concen: 0.371 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion: 63	Resp:	27787
Ion Ratio	Lower	Upper
63	100	
41	77.1	55.9 83.9
62	66.0	53.8 80.6





#41

Tetrahydrofuran

Concen: 0.180 ppbv

RT: 6.06 Instrument: MSVOA_1

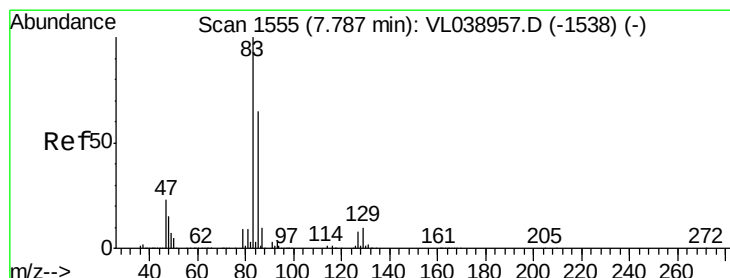
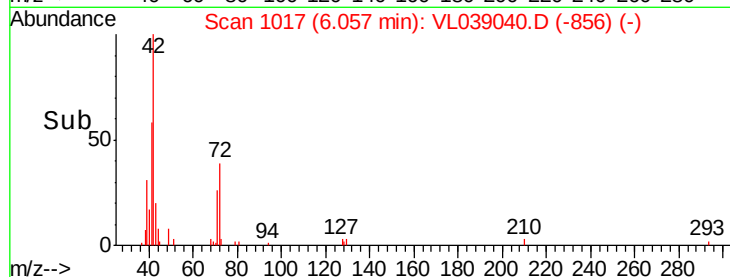
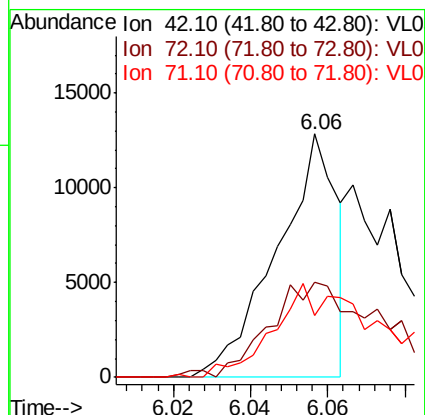
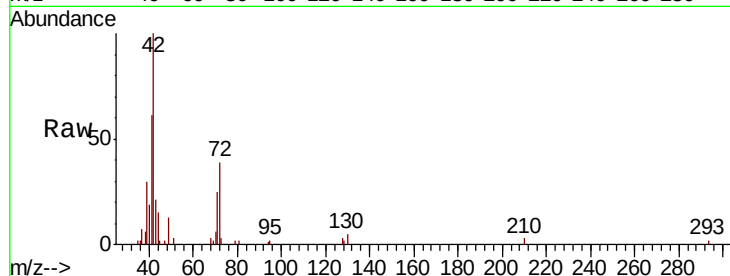
Delta R.T. -0.01 min

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

Tot Ion: 42 Resp: 13911

Ion	Ratio	Lower	Upper
42	100		
72	92.7	31.8	47.6#
71	83.3	30.6	45.8#



#42

Bromodichloromethane

Concen: 0.160 ppbv

RT: 7.77 min Scan# 1551

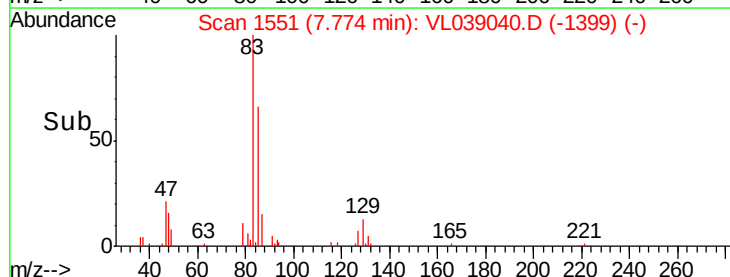
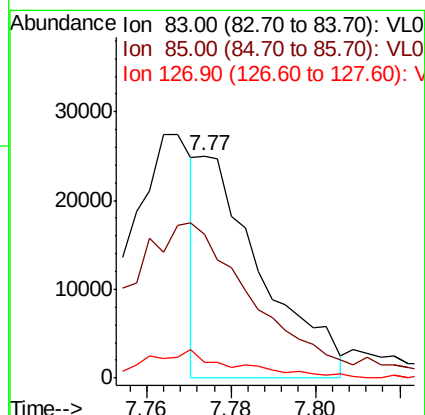
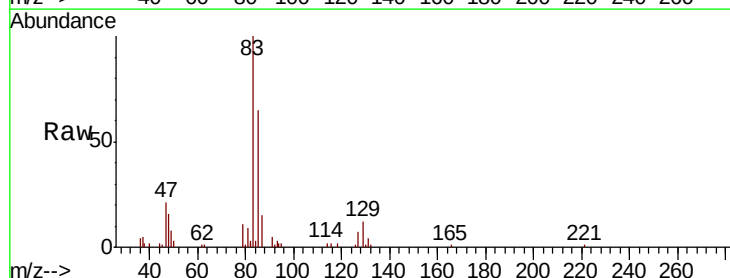
Delta R.T. -0.01 min

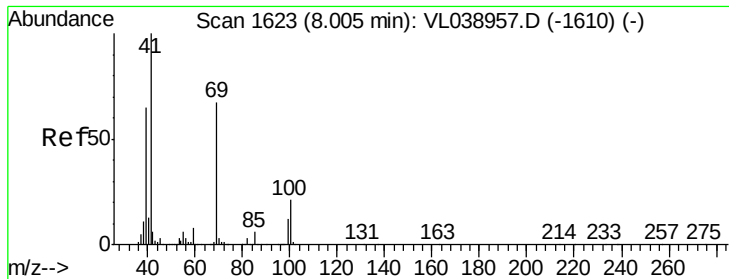
Lab File: VL039040.D

Acq: 13 May 2022 16:57

Tgt Ion: 83 Resp: 26039

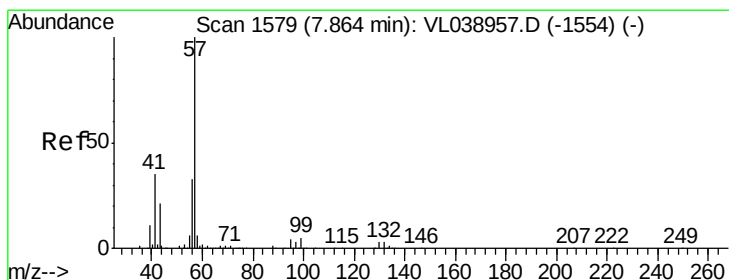
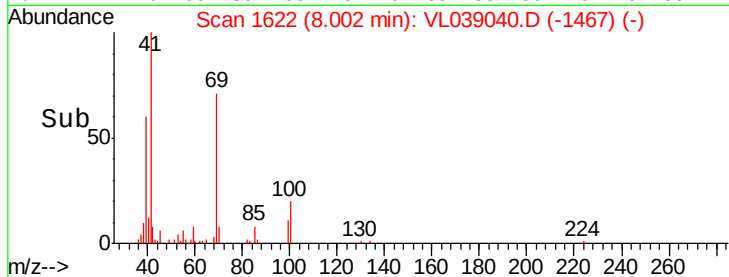
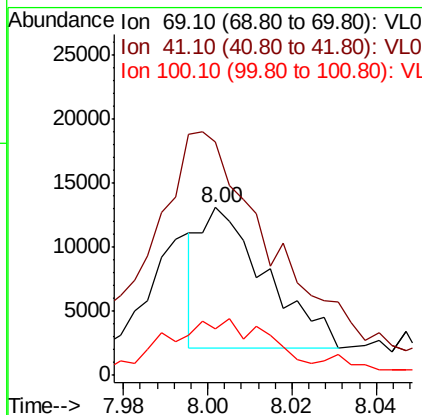
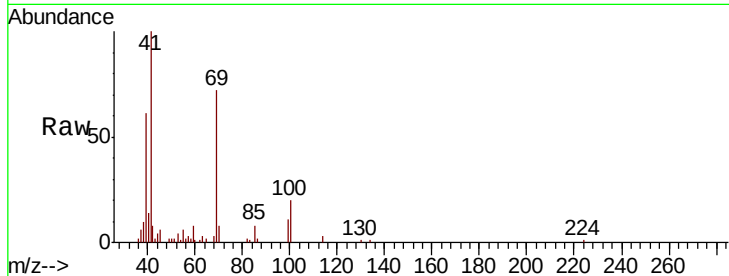
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.0	78.0
127	6.2	6.0	9.0





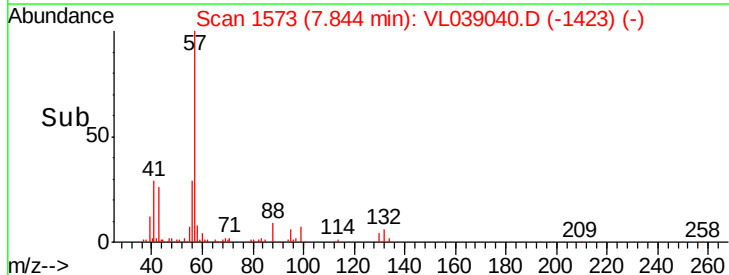
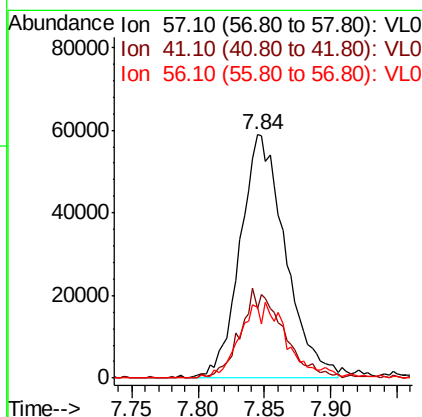
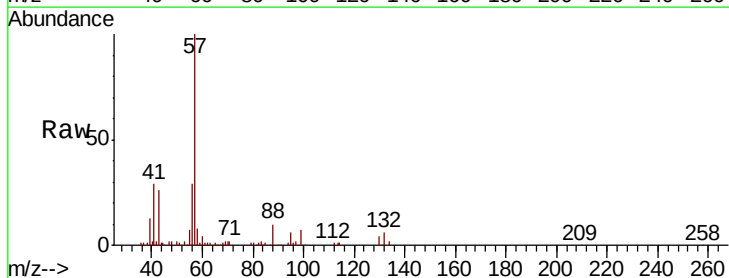
#43
Methvl Methacrylate
Concen: 0.150 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 16:57

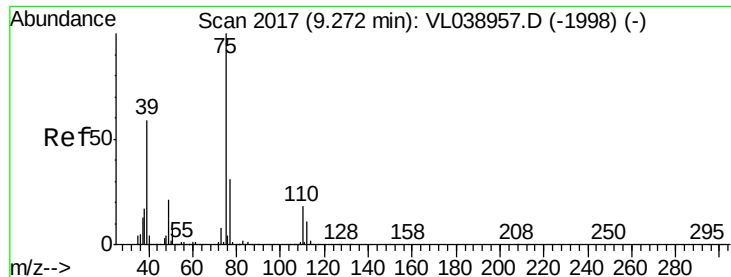
Tot Ion: 69 Resp: 11757
Ion Ratio Lower Upper
69 100
41 365.6 121.9 182.9#
100 77.5 24.6 36.8#



#44
2,2,4-Trimethylpentane
Concen: 0.415 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.02 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

Tgt Ion: 57 Resp: 140048
Ion Ratio Lower Upper
57 100
41 35.3 26.3 39.5
56 32.8 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 0.218 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

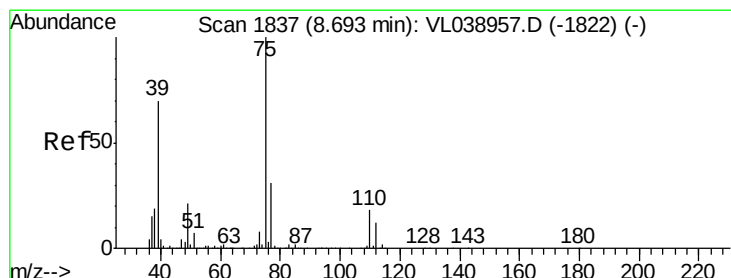
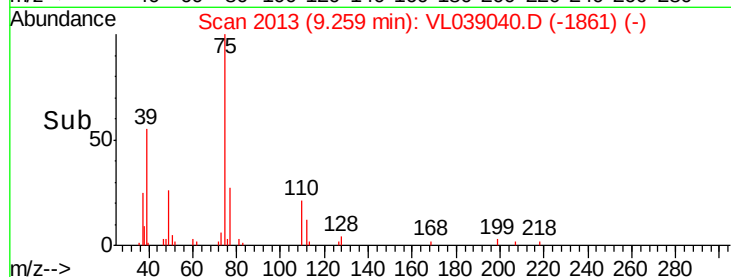
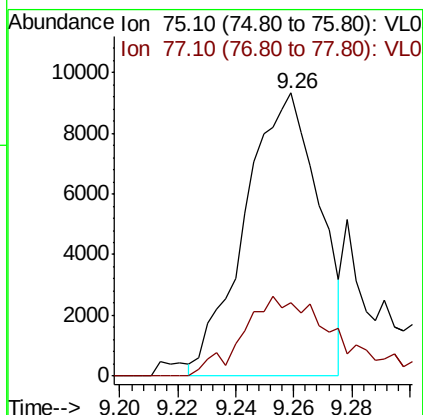
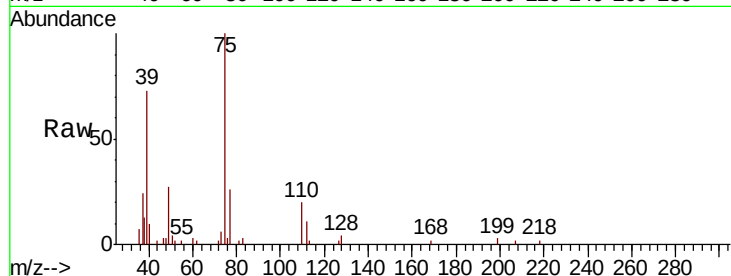
Acq: 13 May 2022 16:57

Tot Ion: 75 Resp: 16513

Ion Ratio Lower Upper

75 100

77 25.9 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 0.097 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.02 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

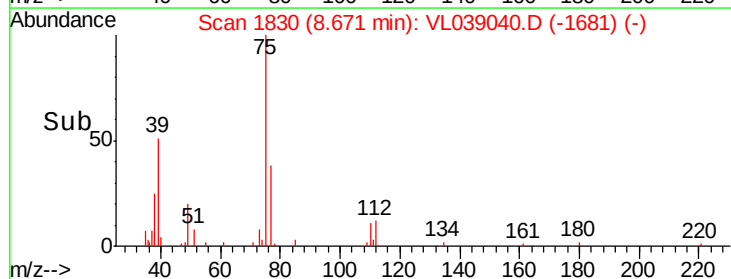
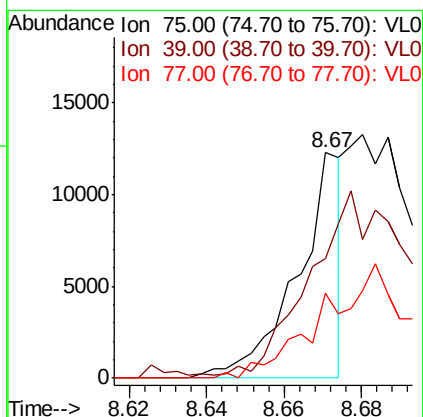
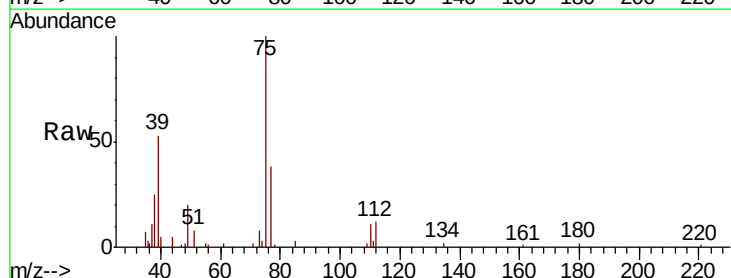
Tgt Ion: 75 Resp: 9776

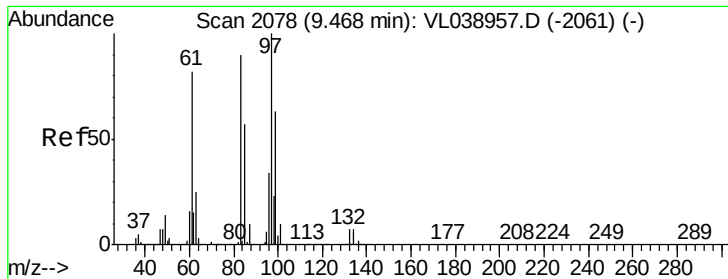
Ion Ratio Lower Upper

75 100

39 51.7 55.8 83.6#

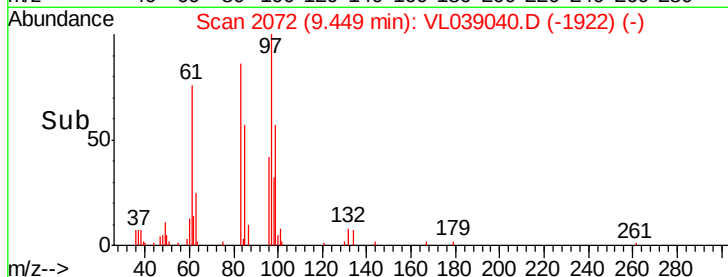
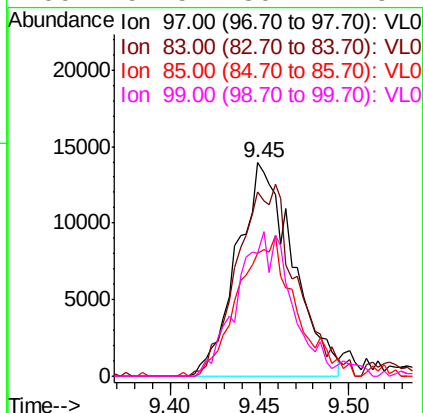
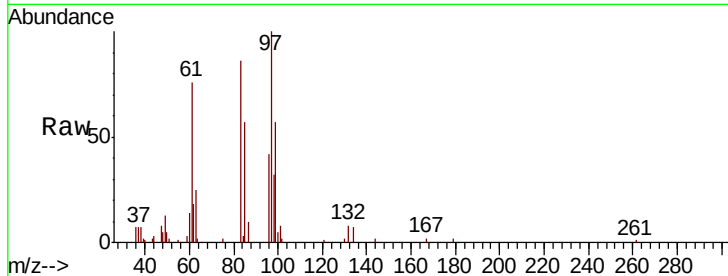
77 37.9 24.8 37.2#





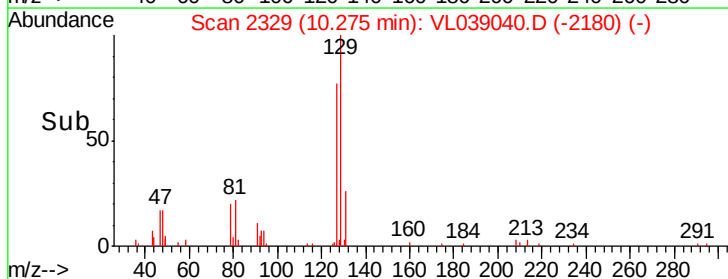
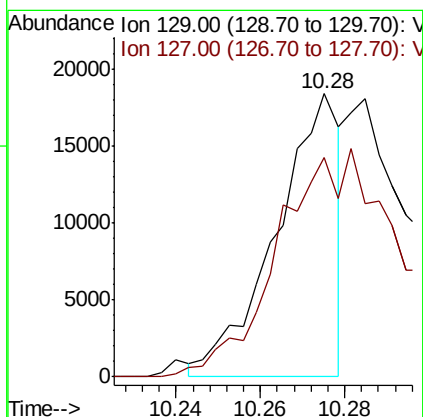
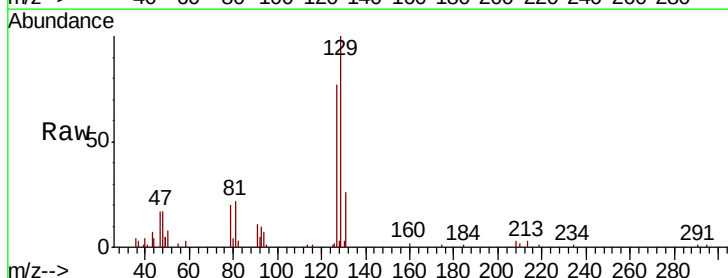
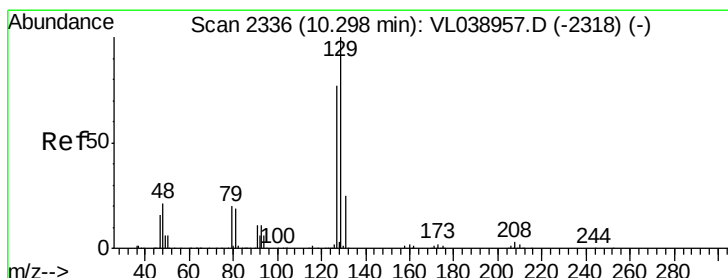
#47
 1,1,2-Trichloroethane
 Concen: 0.392 ppbv
 RT: 9.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:57

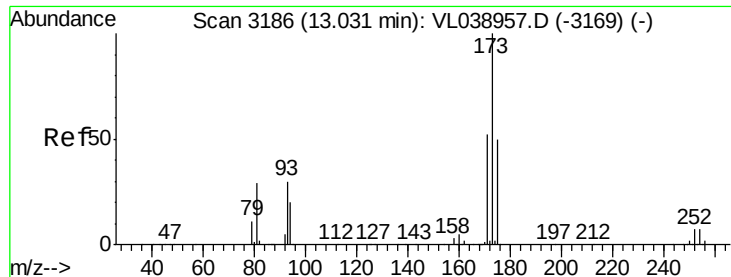
Tot Ion:	97	Resp:	30509
Ion	Ratio	Lower	Upper
97	100		
83	86.2	72.0	108.0
85	57.3	45.7	68.5
99	57.5	50.2	75.4



#48
 Dibromochloromethane
 Concen: 0.151 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion:	129	Resp:	19170
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#





#49

Bromoform

Concen: 0.053 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

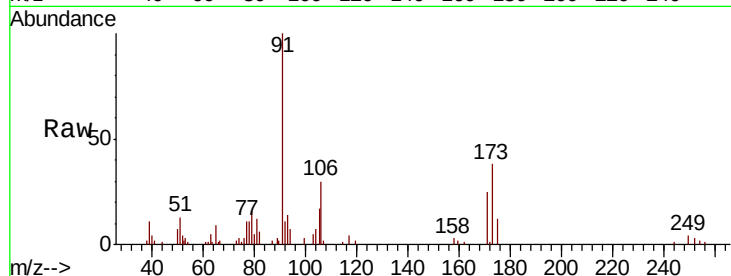
Tot Ion: 173 Resp: 5077

Ion Ratio Lower Upper

173 100

175 0.0 41.0 61.6#

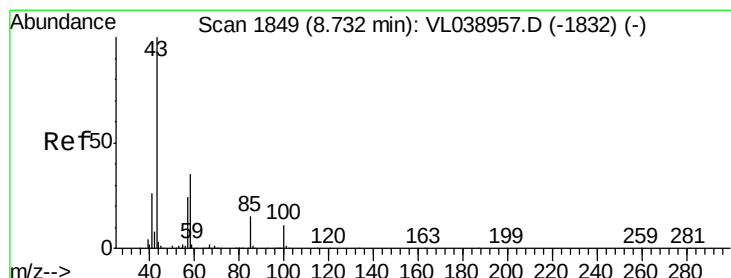
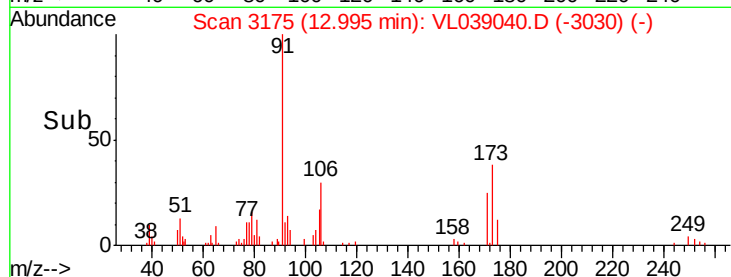
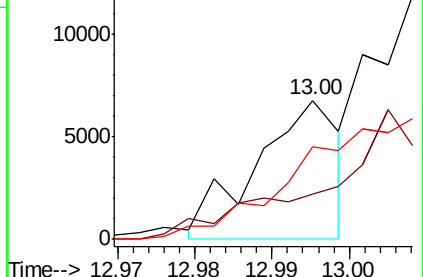
171 0.0 42.6 64.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.158 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL039040.D

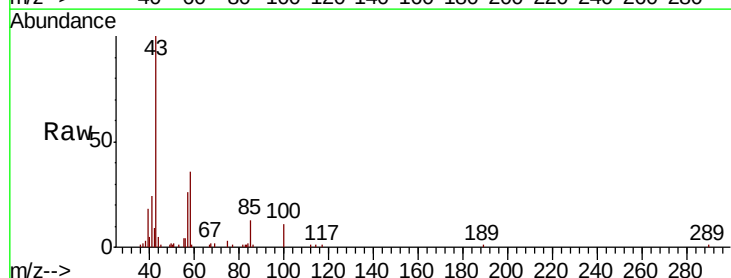
Acq: 13 May 2022 16:57

Tgt Ion: 43 Resp: 31716

Ion Ratio Lower Upper

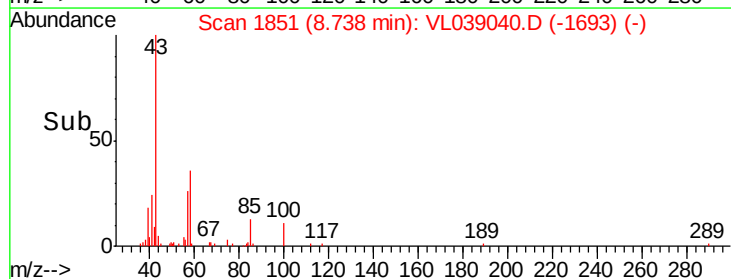
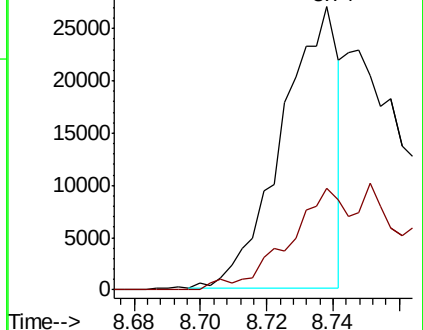
43 100

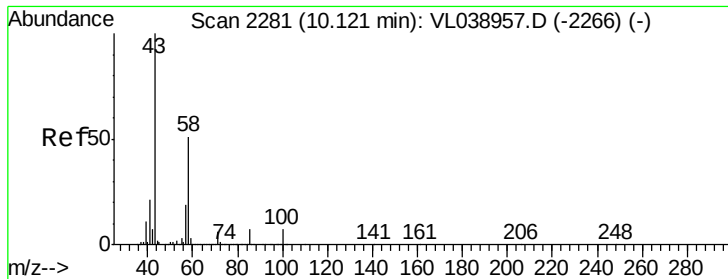
58 0.0 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

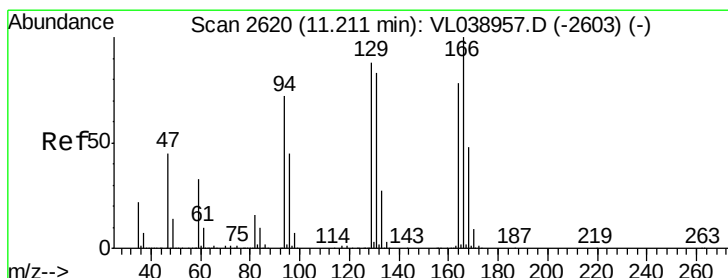
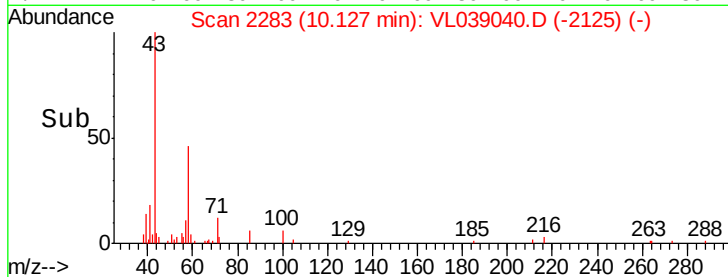
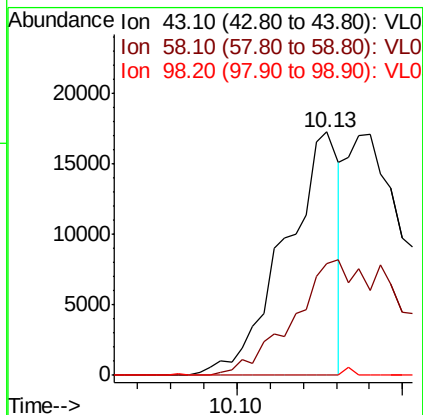
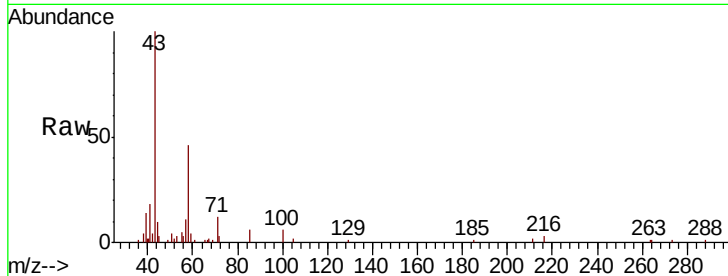
Ion 58.10 (57.80 to 58.80): VL0





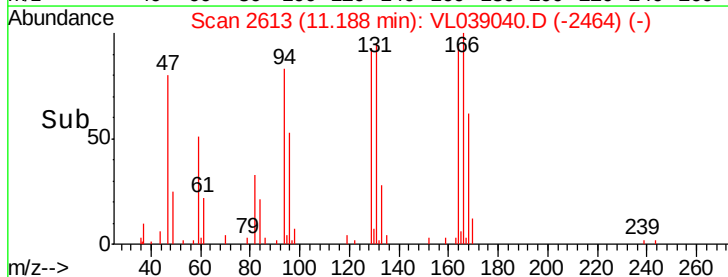
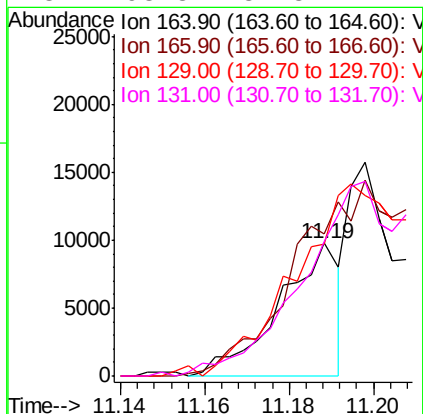
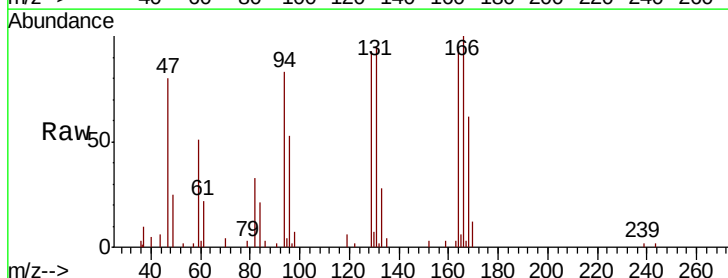
#51
 2-Hexanone
 Concen: 0.133 ppbv
 RT: 10.13 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 May 2022 16:57

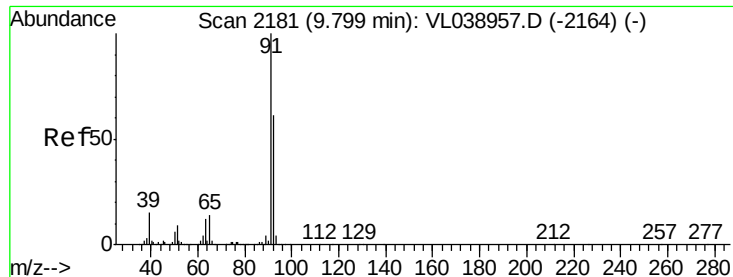
Tot Ion	43	Resp	19592
Ion	Ratio	Lower	Upper
43	100		
58	116.9	39.3	58.9#
98	0.5	0.2	0.2#



#52
 Tetrachloroethene
 Concen: 0.140 ppbv
 RT: 11.19 min Scan# 2613
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion	164	Resp	9603
Ion	Ratio	Lower	Upper
164	100		
166	104.7	102.5	153.7
129	91.9	90.1	135.1
131	98.3	84.8	127.2





#53

Toluene

Concen: 0.196 ppbv

RT: 9.78 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 0.4 MDL

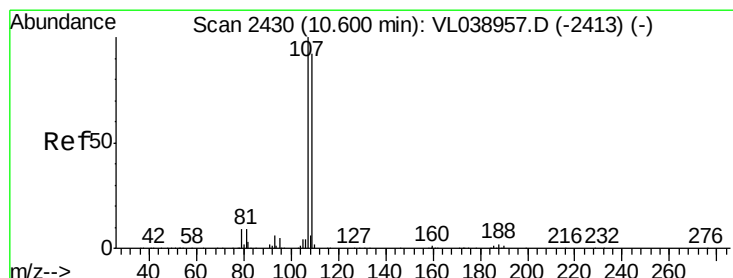
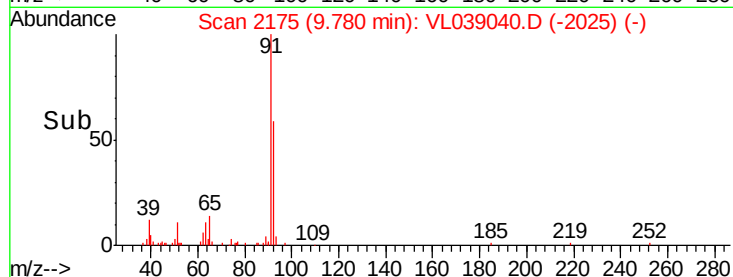
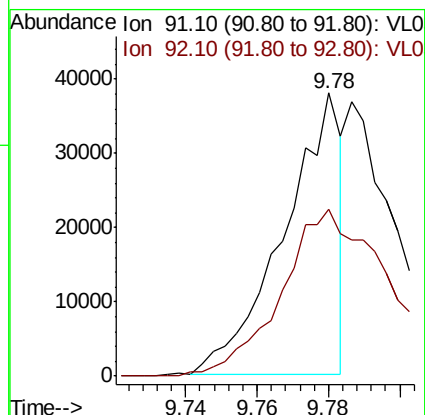
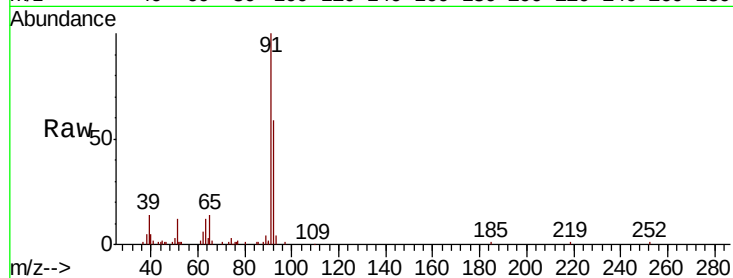
Acq: 13 May 2022 16:57

Tot Ion: 91 Resp: 42370

Ion Ratio Lower Upper

91 100

92 118.0 48.2 72.2#



#54

1,2-Dibromoethane

Concen: 0.161 ppbv

RT: 10.58 min Scan# 2423

Delta R.T. -0.02 min

Lab File: VL039040.D

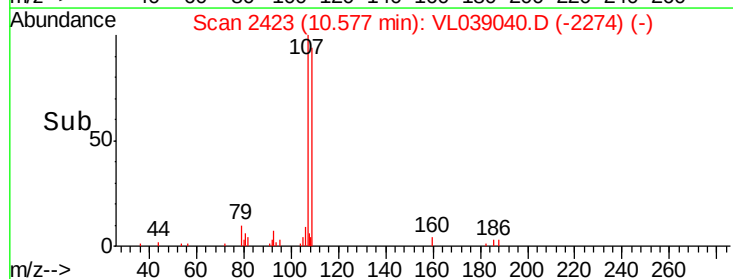
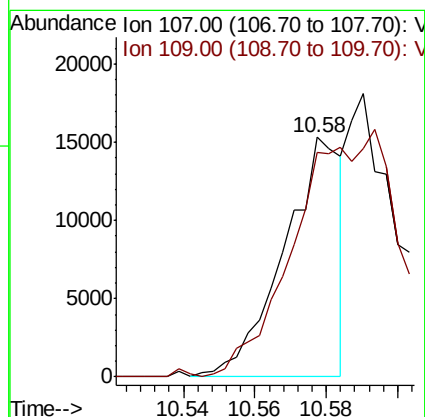
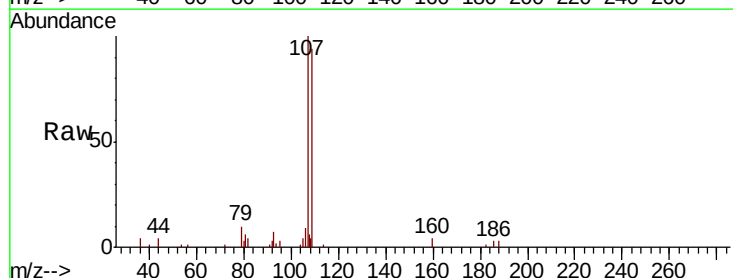
Acq: 13 May 2022 16:57

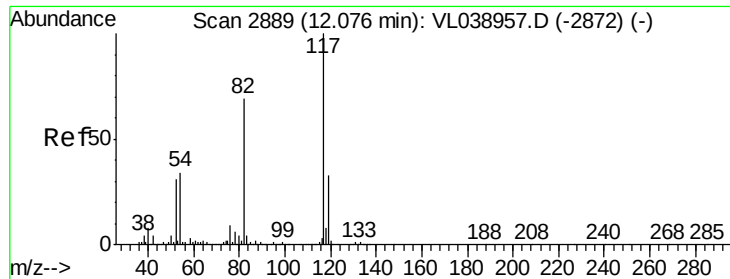
Tgt Ion: 107 Resp: 17045

Ion Ratio Lower Upper

107 100

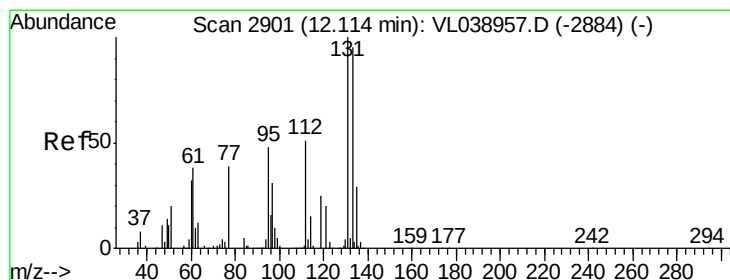
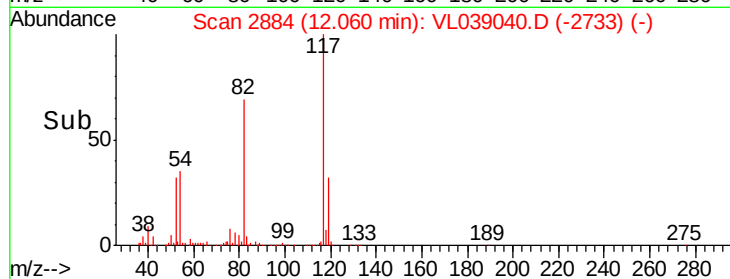
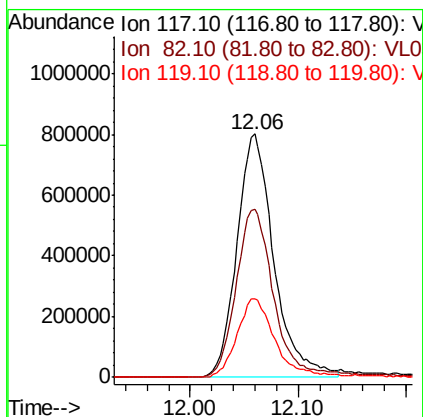
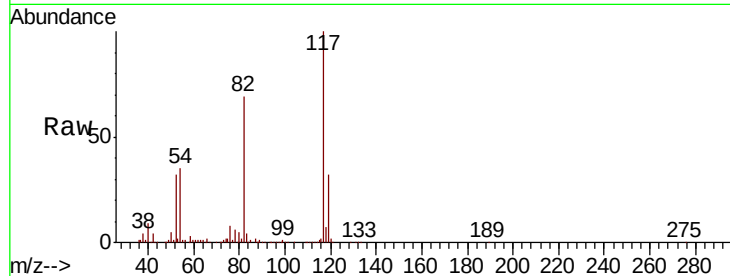
109 87.5 73.8 110.8





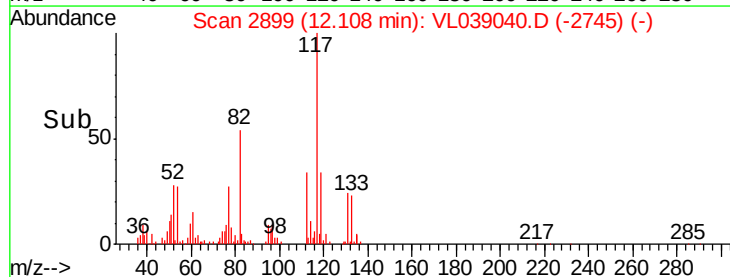
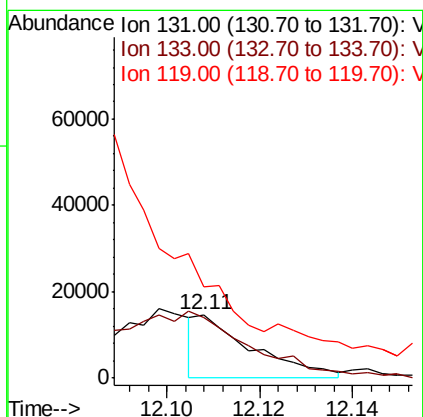
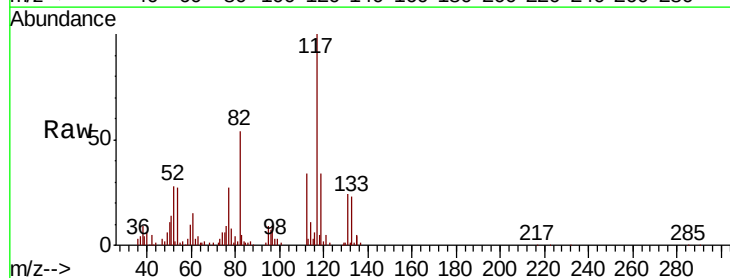
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 16:57

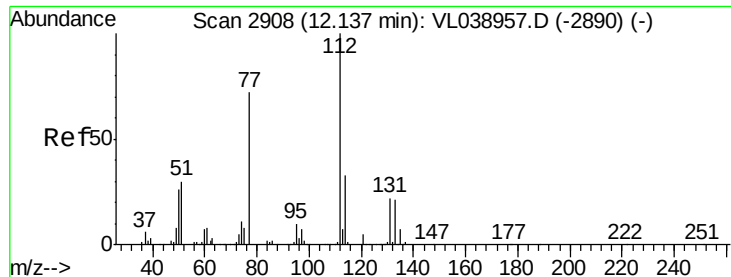
Tot Ion:117 Resp: 1914792
Ion Ratio Lower Upper
117 100
82 73.0 57.0 85.6
119 34.5 27.2 40.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.144 ppbv
RT: 12.11 min Scan# 2899
Delta R.T.: -0.01 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

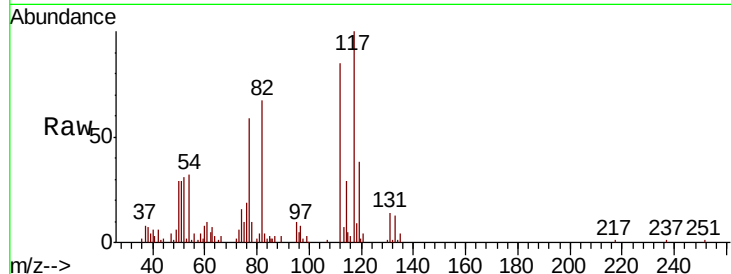
Tgt Ion:131 Resp: 12107
Ion Ratio Lower Upper
131 100
133 292.7 76.9 115.3#
119 0.0 47.4 71.0#



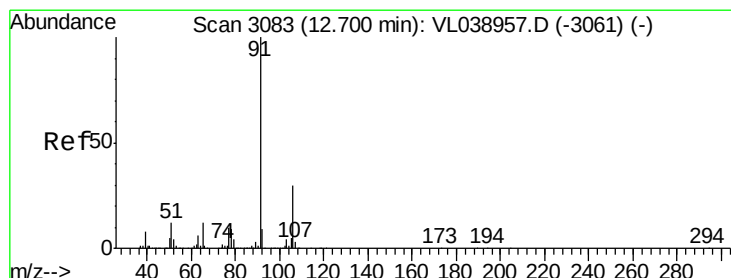
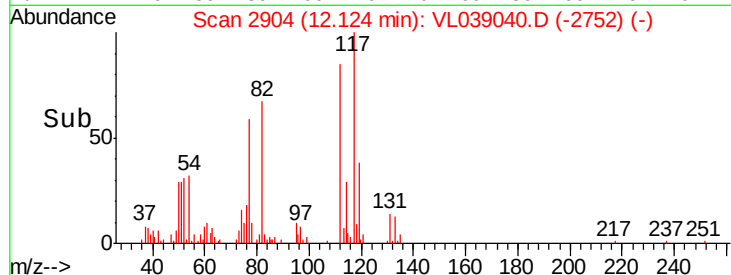
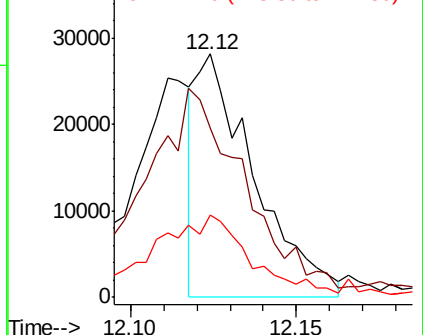


#57
Chlorobenzene
Concen: 0.237 ppbv
RT: 12.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 13 May 2022 16:57

Tot Ion: 112 Resp: 34019
Ion Ratio Lower Upper
112 100
77 68.1 57.7 86.5
114 34.2 30.1 36.7

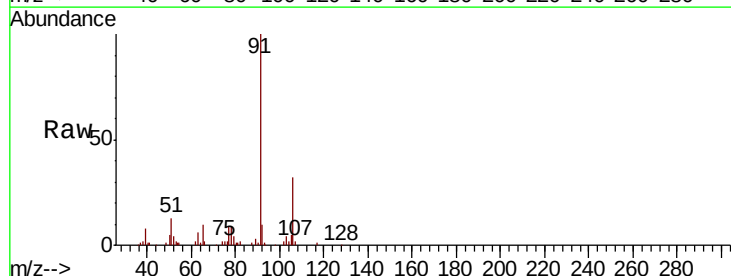


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

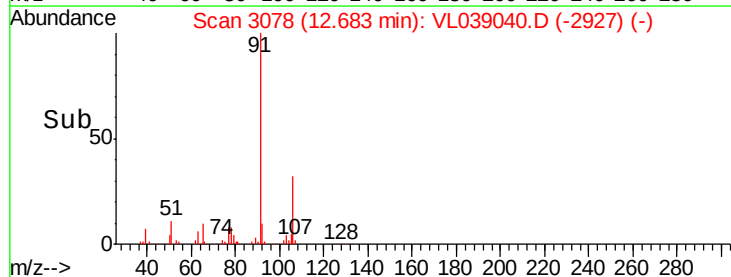
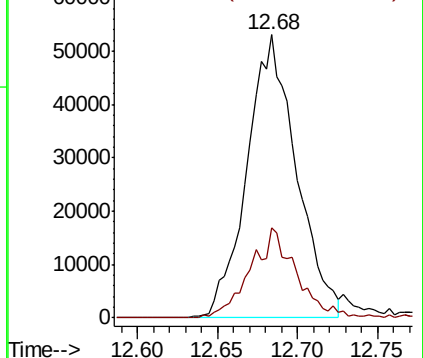


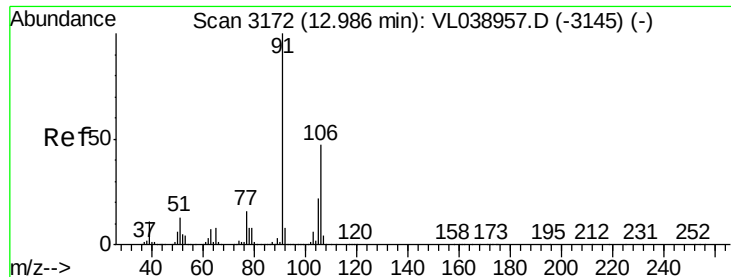
#58
Ethyl Benzene
Concen: 0.409 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.02 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

Tgt Ion: 91 Resp: 112747
Ion Ratio Lower Upper
91 100
106 31.9 24.2 36.4



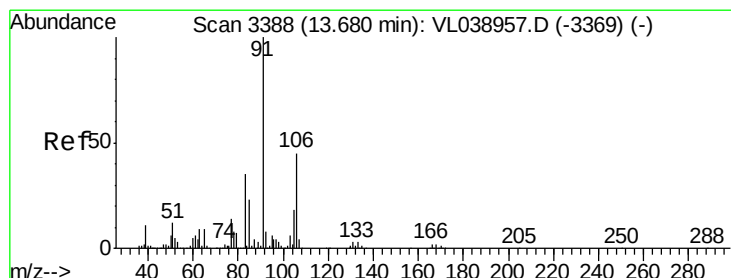
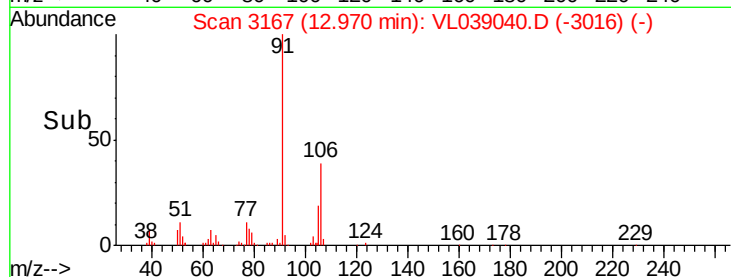
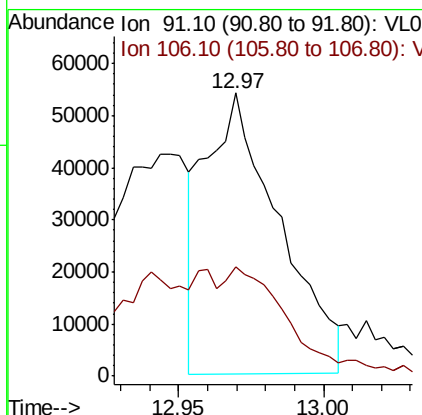
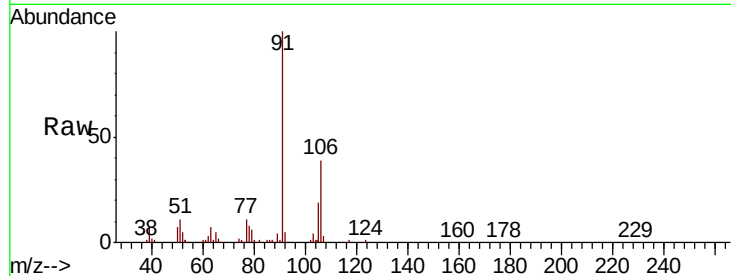
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





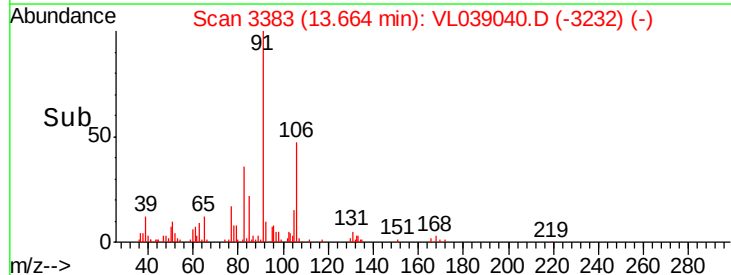
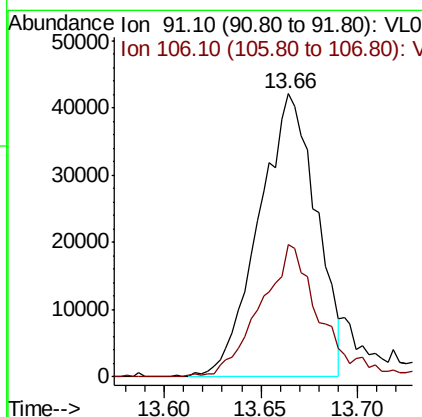
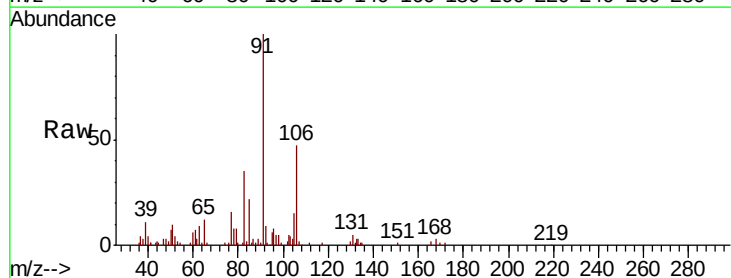
#59
m/p-Xylene
Concen: 0.408 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampled:
Acq: 13 May 2022 16:57

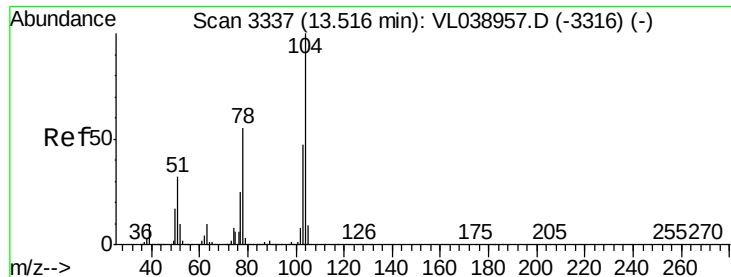
Tot Ion: 91 Resp: 95903
Ion Ratio Lower Upper
91 100
106 84.9 34.6 52.0#



#60
o-Xylene
Concen: 0.393 ppbv
RT: 13.66 min Scan# 3383
Delta R.T.: -0.02 min
Lab File: VL039040.D
Acq: 13 May 2022 16:57

Tgt Ion: 91 Resp: 87072
Ion Ratio Lower Upper
91 100
106 48.8 22.2 66.6





#61

Stvrene

Concen: 0.318 ppbv

RT: 13.50

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

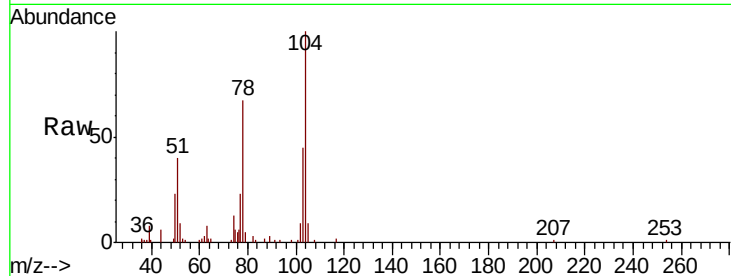
Tot Ion:104 Resp: 37573

Ion Ratio Lower Upper

104 100

78 76.9 46.4 69.6#

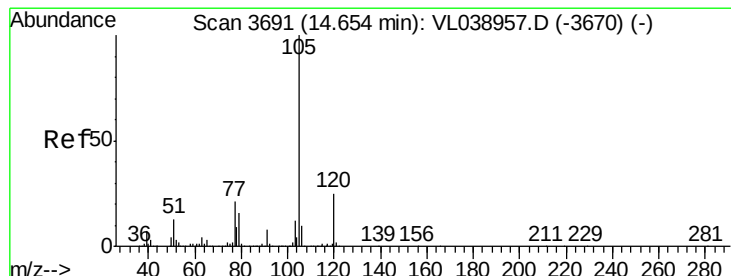
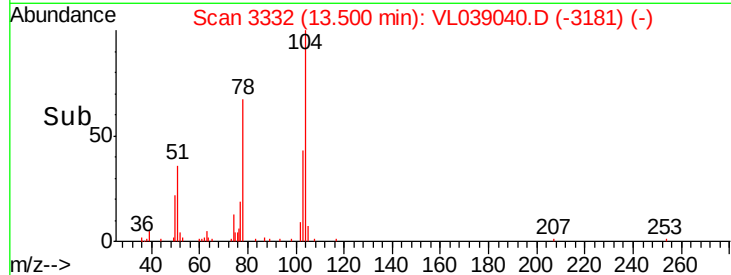
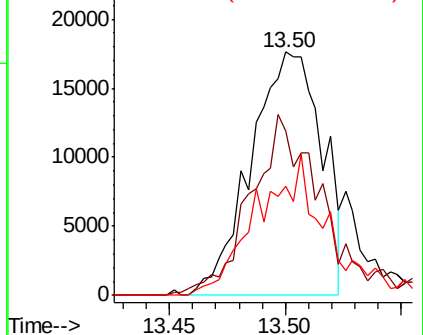
103 58.0 39.3 58.9



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: 0.411 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.02 min

Lab File: VL039040.D

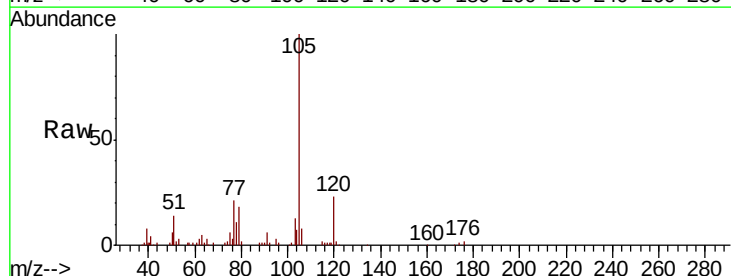
Acq: 13 May 2022 16:57

Tgt Ion:105 Resp: 133104

Ion Ratio Lower Upper

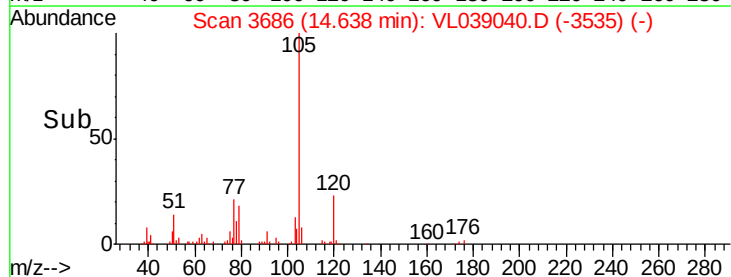
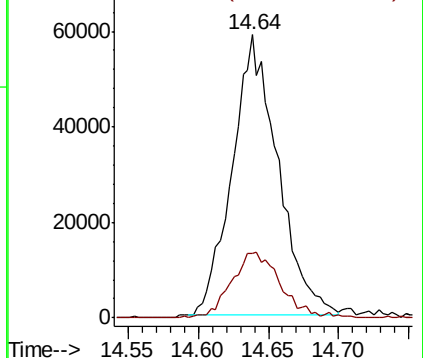
105 100

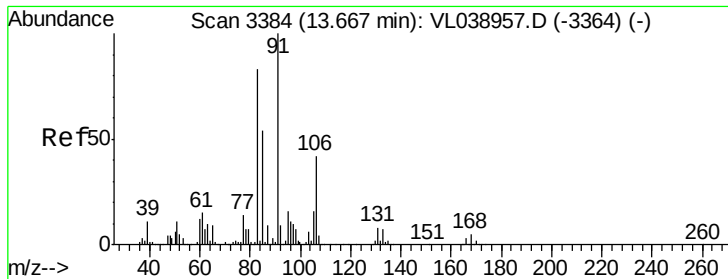
120 25.2 20.5 30.7



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: 0.105 ppbv

RT: 13.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

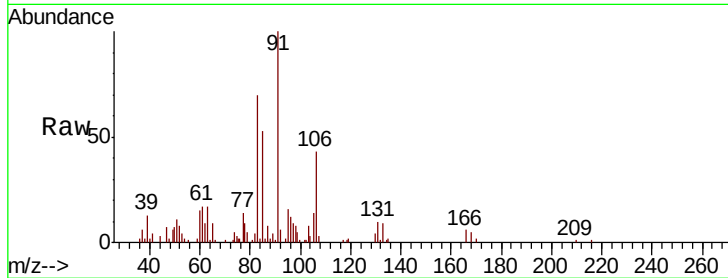
Tot Ion: 83 Resp: 13729

Ion Ratio Lower Upper

83 100

131 44.6 4.5 13.7#

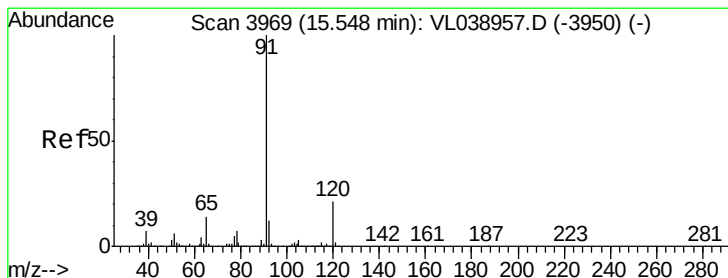
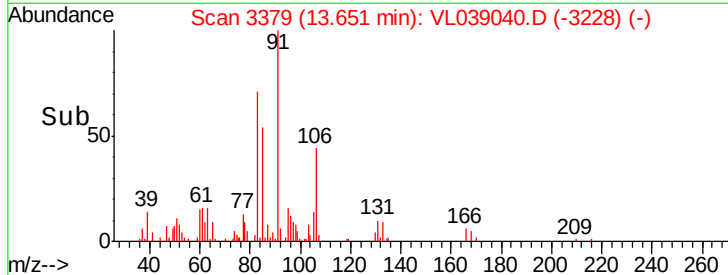
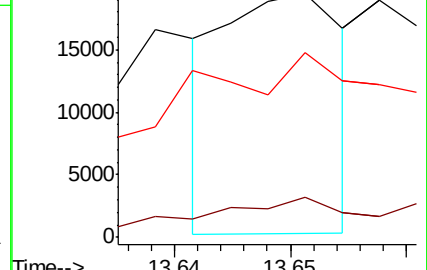
85 258.6 32.8 98.3#



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: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL039040.D

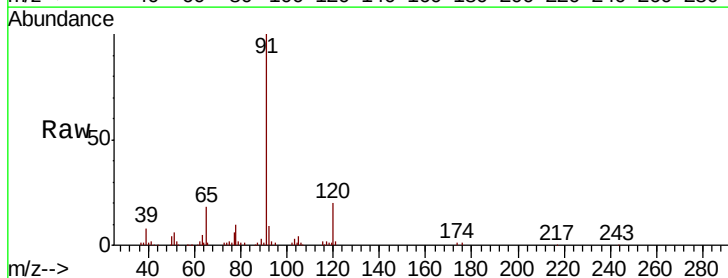
Acq: 13 May 2022 16:57

Tgt Ion: 120 Resp: 3884

Ion Ratio Lower Upper

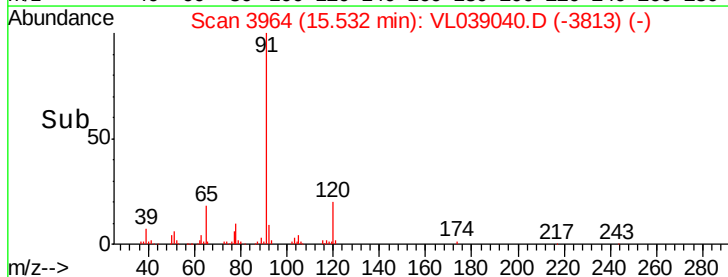
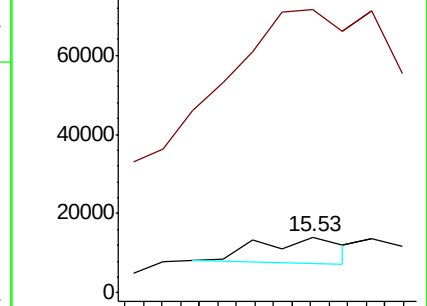
120 100

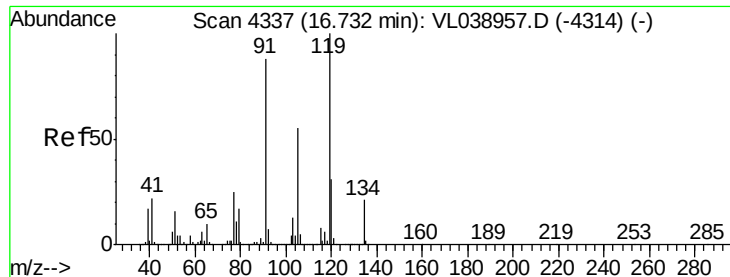
91 4655.9 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): VL0

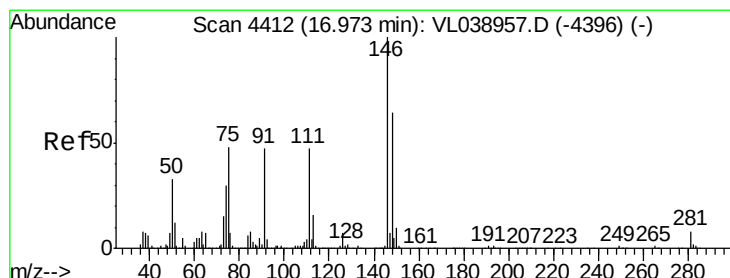
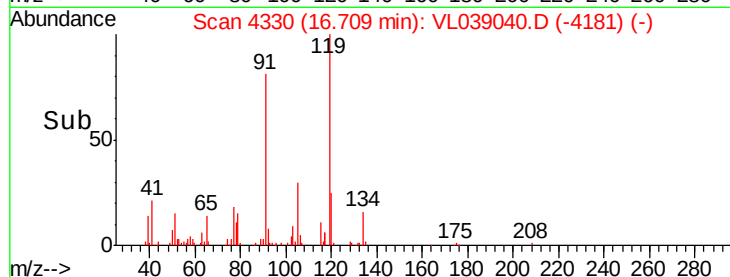
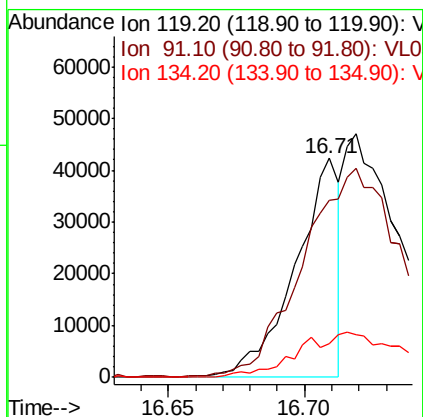
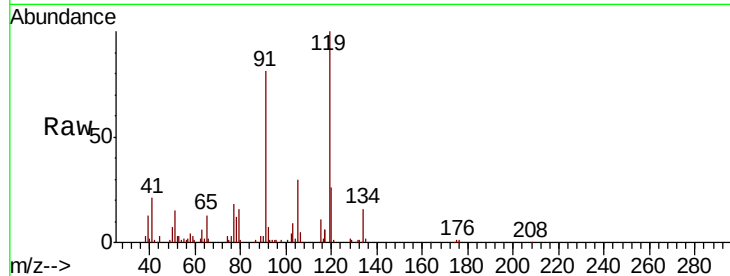
Ion 91.10 (90.80 to 91.80): VL0





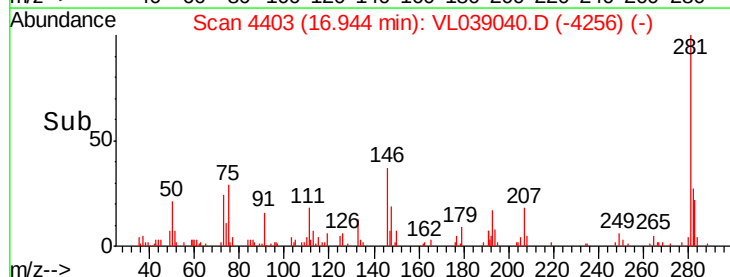
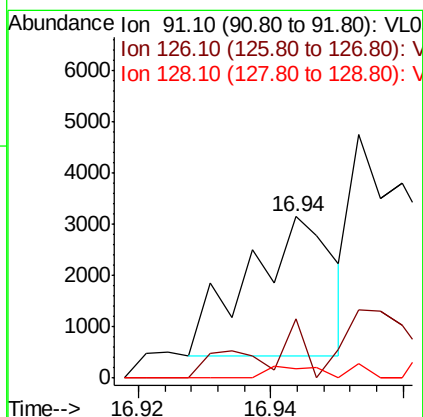
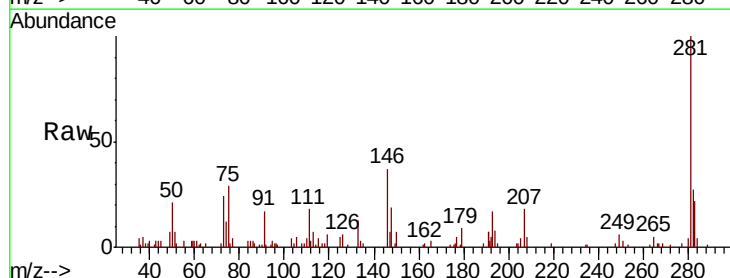
#65
 tert-Butylbenzene
 Concen: 0.167 ppbv
 RT: 16.71 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 May 2022 16:57

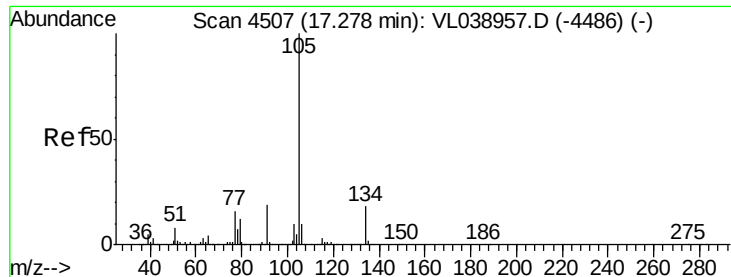
Tot Ion: 119 Resp: 47381
 Ion Ratio Lower Upper
 119 100
 91 0.0 69.4 104.2#
 134 0.0 15.8 23.8#



#66
 Benzyl Chloride
 Concen: 0.065 ppbv
 RT: 16.94 min Scan# 4403
 Delta R.T. -0.03 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion: 91 Resp: 2406
 Ion Ratio Lower Upper
 91 100
 126 0.0 11.8 17.6#
 128 0.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.407 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

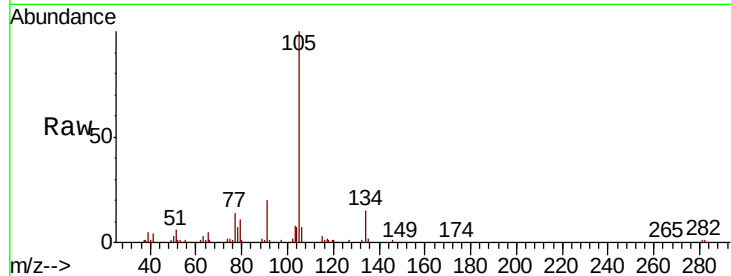
Acq: 13 May 2022 16:57

Tot Ion: 105 Resp: 164773

Ion Ratio Lower Upper

105 100

134 18.8 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.26

60000

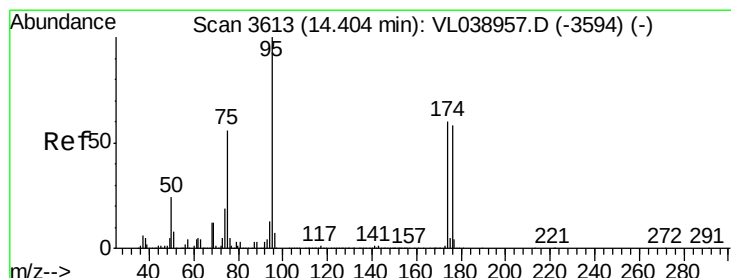
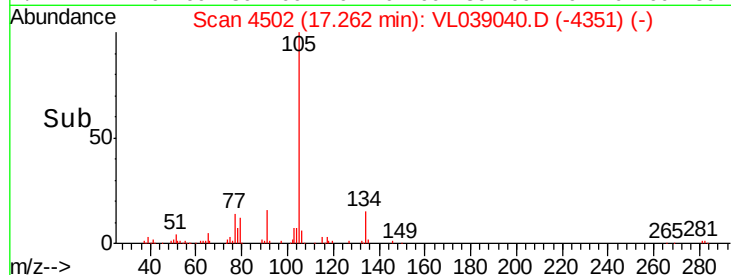
40000

20000

0

Time-->

17.20 17.25 17.30 17.35



#68

1-Bromo-4-Fluorobenzene

Concen: 10.207 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.02 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

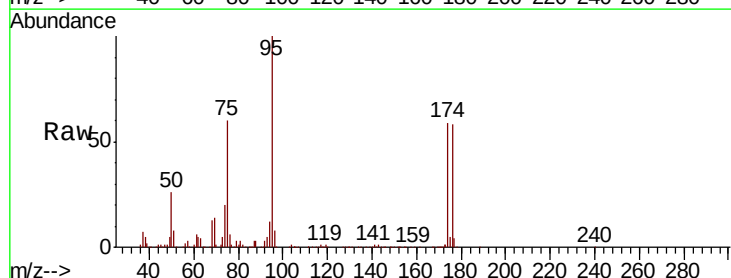
Tgt Ion: 95 Resp: 1547791

Ion Ratio Lower Upper

95 100

174 63.5 50.8 76.2

175 4.4 3.8 5.6



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

800000

600000

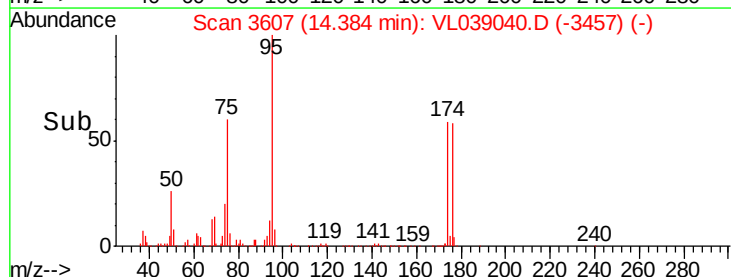
400000

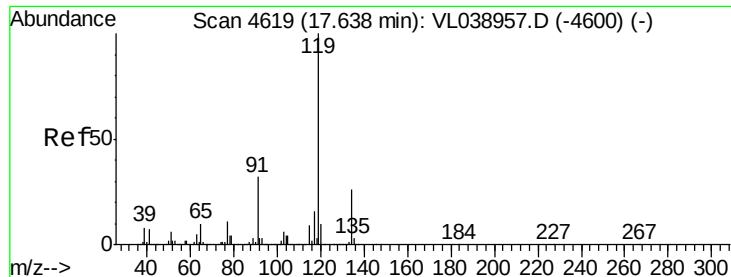
200000

0

Time-->

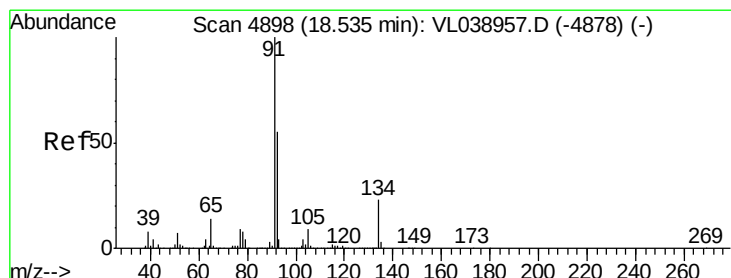
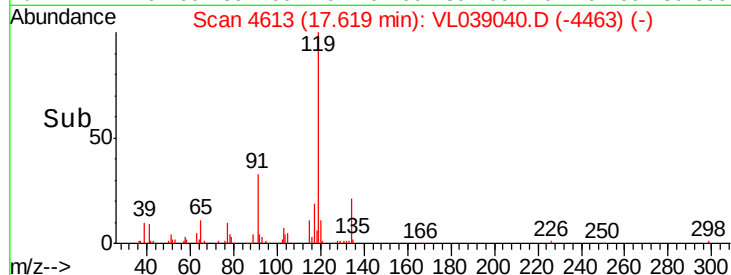
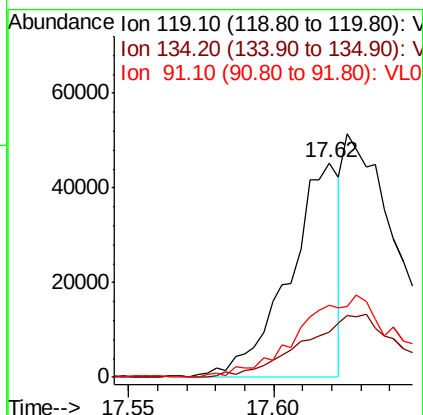
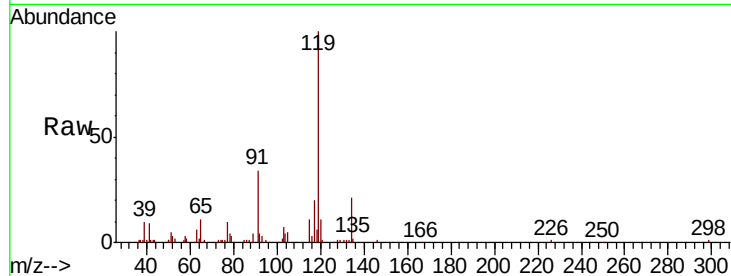
14.30 14.40 14.50





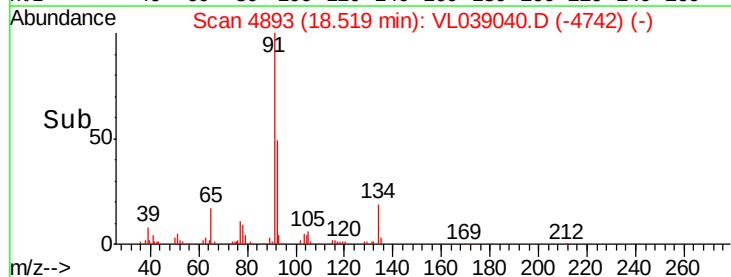
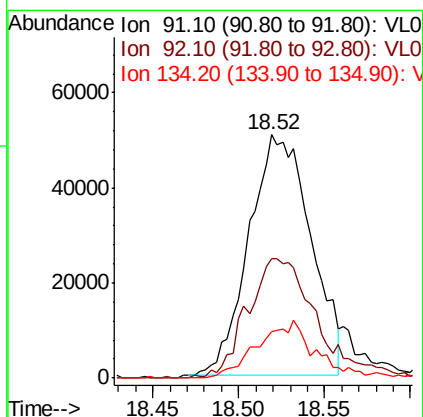
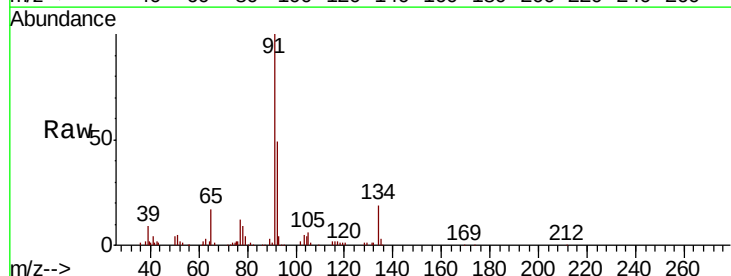
#69
 p-Isopropyltoluene
 Concen: 0.167 ppbv
 RT: 17.62 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 May 2022 16:57

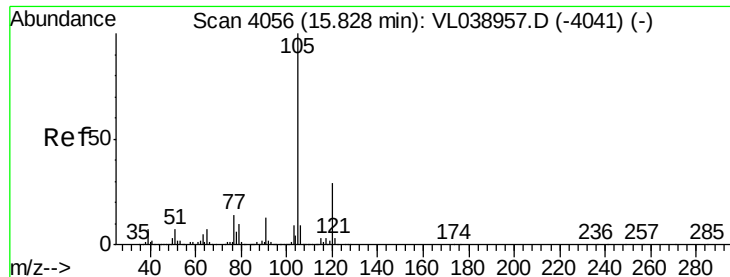
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.0	30.0#
91	0.0	24.8	37.2#



#70
 n-Butylbenzene
 Concen: 0.364 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	43.1	64.7
134	23.1	17.0	25.4





#72

4-Ethyltoluene

Concen: 0.389 ppbv

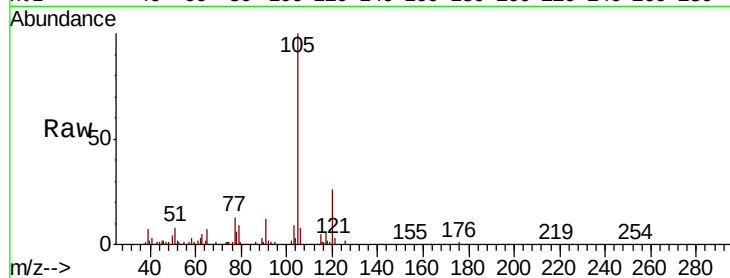
RT: 15.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 May 2022 16:57

Tot Ion:	105	Resp:	98267
Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.4	35.0
91	15.6	10.6	16.0
77	17.6	12.5	18.7

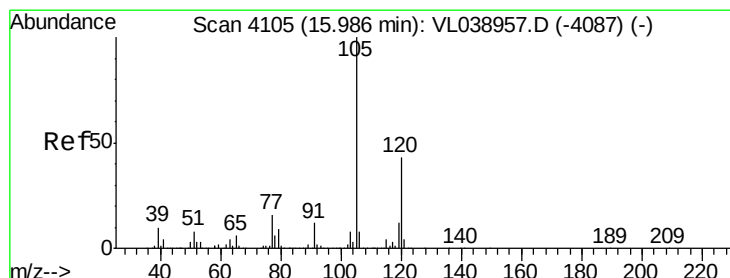
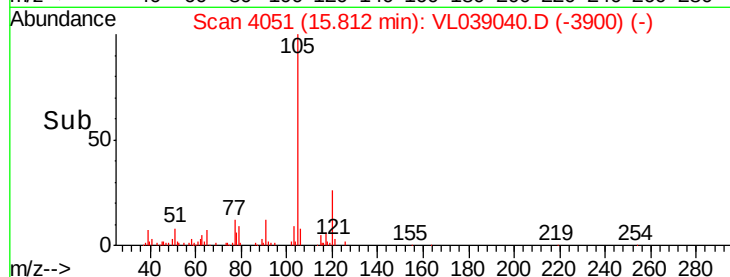
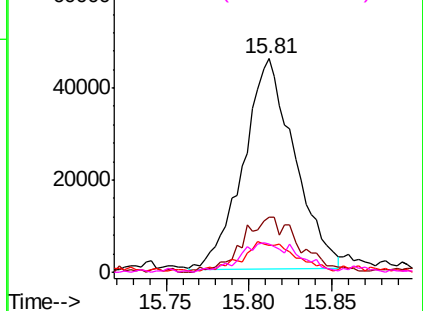


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.366 ppbv

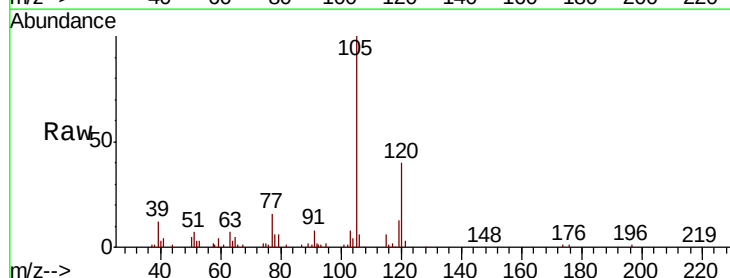
RT: 15.96 min Scan# 4098

Delta R.T. -0.02 min

Lab File: VL039040.D

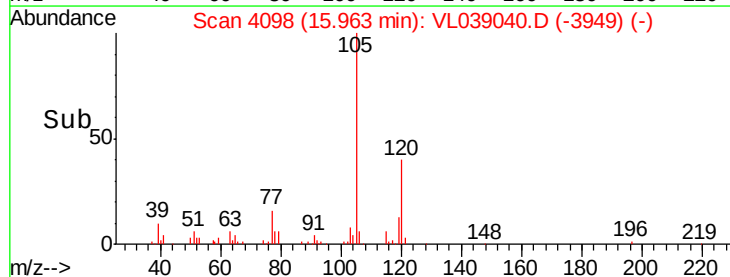
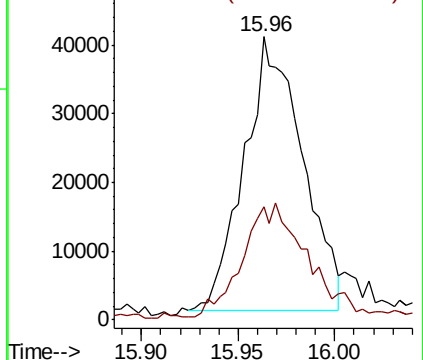
Acq: 13 May 2022 16:57

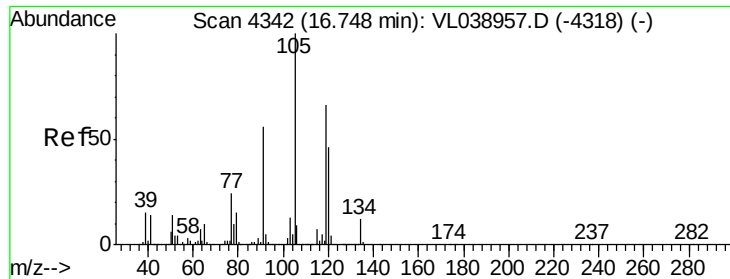
Tgt Ion:	105	Resp:	83217
Ion	Ratio	Lower	Upper
105	100		
120	40.0	34.4	51.6



Abundance Ion 105.10 (104.80 to 105.80): V

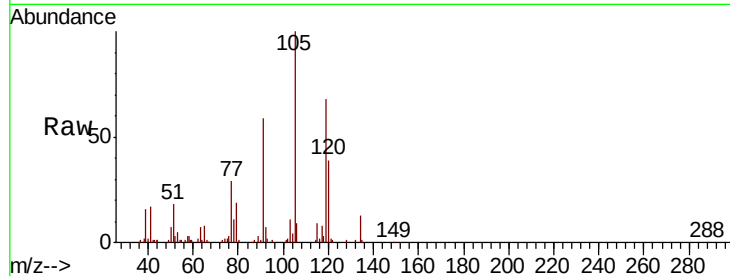
Ion 120.20 (119.90 to 120.90): V



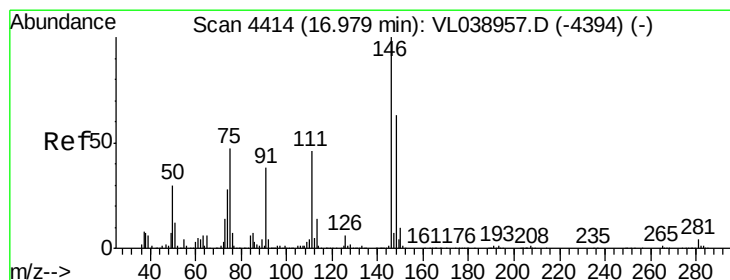
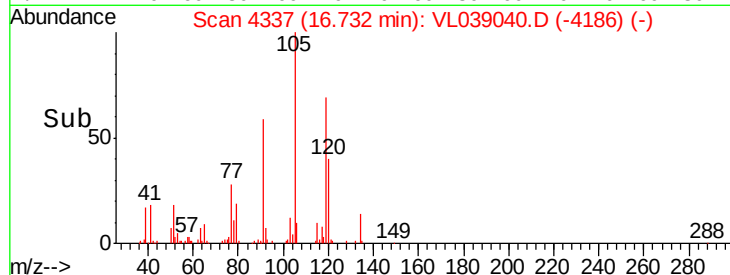
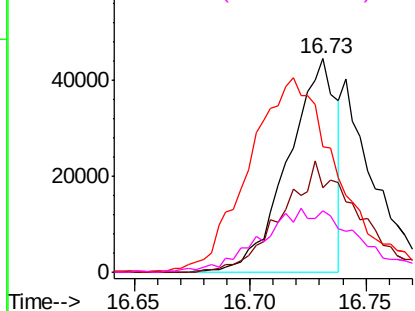


#74
 1,2,4-Trimethylbenzene
 Concen: 0.256 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 May 2022 16:57

Tot Ion:	105	Resp:	63691
Ion	Ratio	Lower	Upper
105	100		
120	39.3	36.9	55.3
91	55.3	45.0	67.4
77	26.8	19.2	28.8

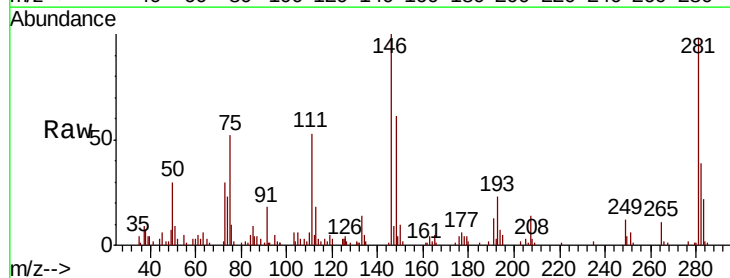


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

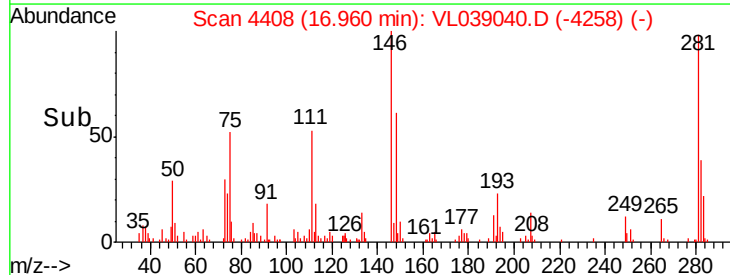
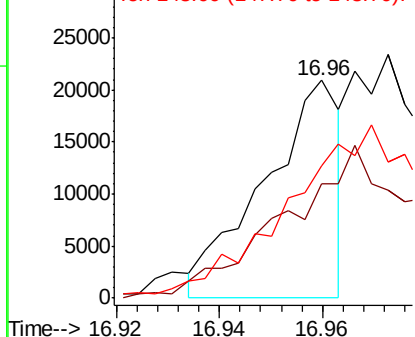


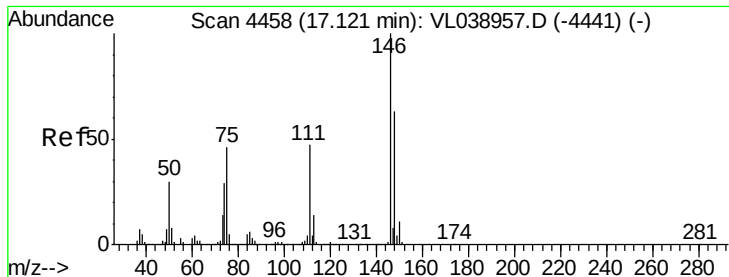
#75
 1,3-Dichlorobenzene
 Concen: 0.157 ppbv
 RT: 16.96 min Scan# 4408
 Delta R.T. -0.02 min
 Lab File: VL039040.D
 Acq: 13 May 2022 16:57

Tgt Ion:	146	Resp:	21374
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.1	72.2#
148	0.0	32.4	97.2#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.160 ppbv

RT: 17.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:57

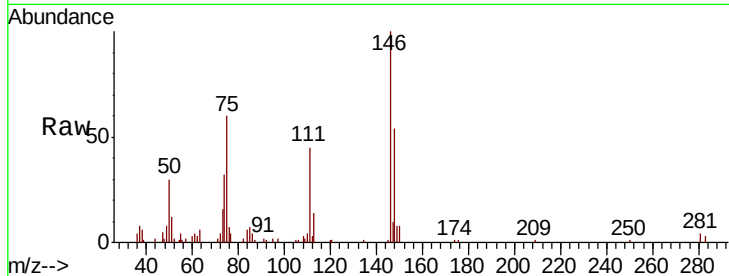
Tot Ion:146 Resp: 21452

Ion Ratio Lower Upper

146 100

111 0.0 23.6 71.0#

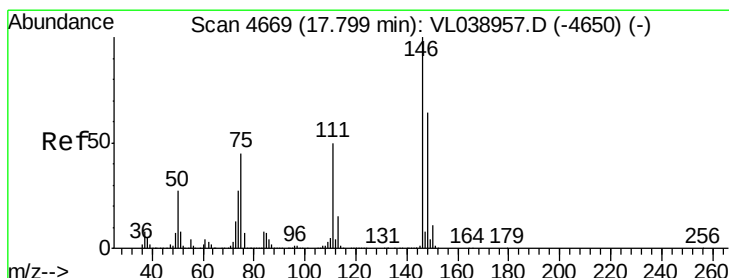
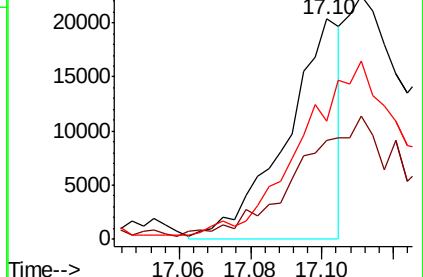
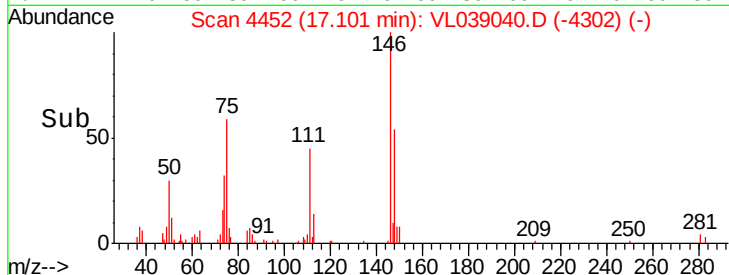
148 0.0 32.2 96.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.347 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.01 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

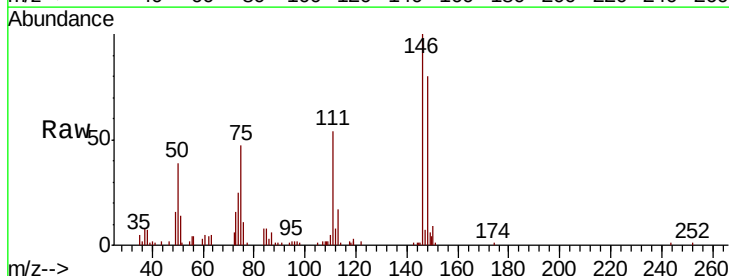
Tgt Ion:146 Resp: 46705

Ion Ratio Lower Upper

146 100

111 66.5 25.3 75.9

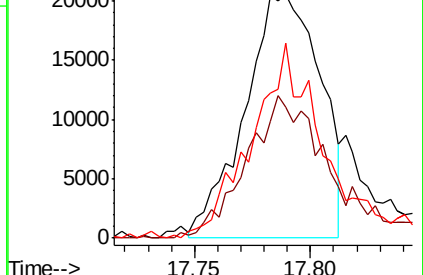
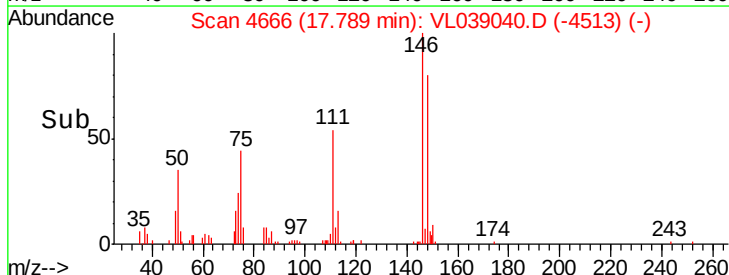
148 81.9 32.3 96.9

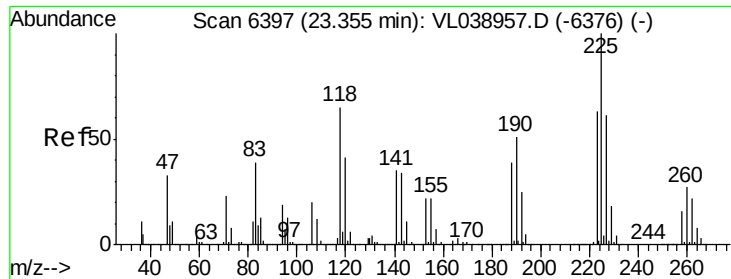


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.454 ppbv

RT: 23.35

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 May 2022 16:57

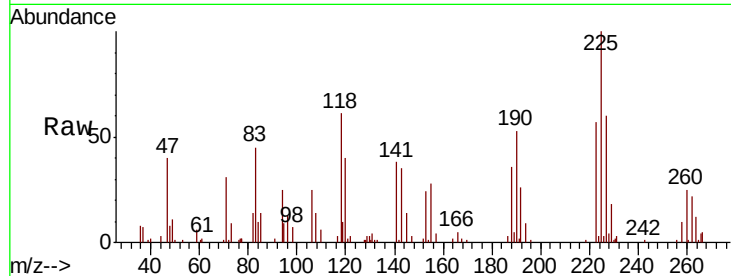
Tot Ion:225 Resp: 56242

Ion Ratio Lower Upper

225 100

223 62.8 51.4 77.0

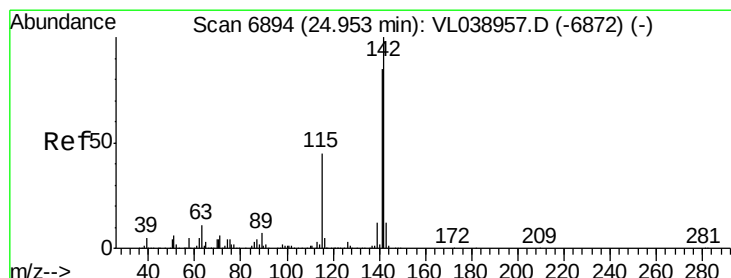
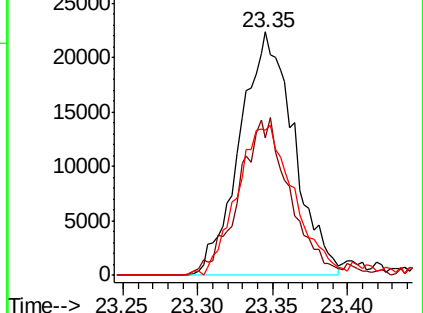
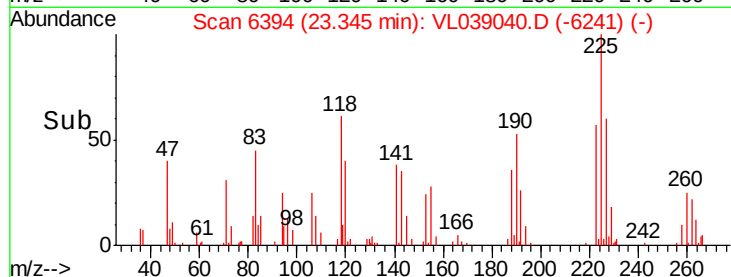
227 67.1 51.4 77.0



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#80

Naphthalene, 2-methyl-

Concen: 0.111 ppbv

RT: 24.95 min Scan# 6892

Delta R.T. -0.01 min

Lab File: VL039040.D

Acq: 13 May 2022 16:57

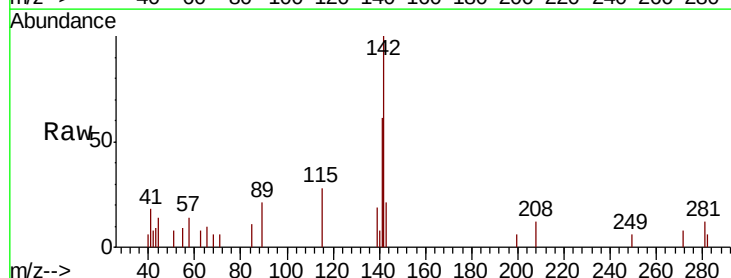
Tgt Ion:142 Resp: 6790

Ion Ratio Lower Upper

142 100

141 54.0 70.8 106.2#

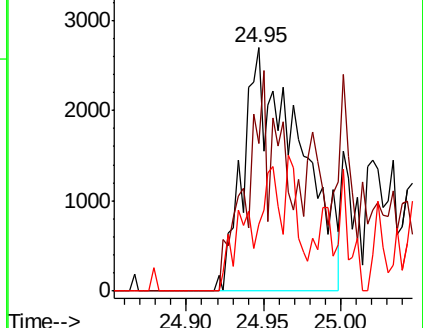
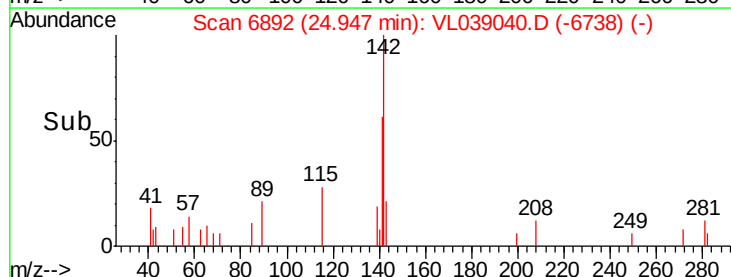
115 58.7 35.1 52.7#

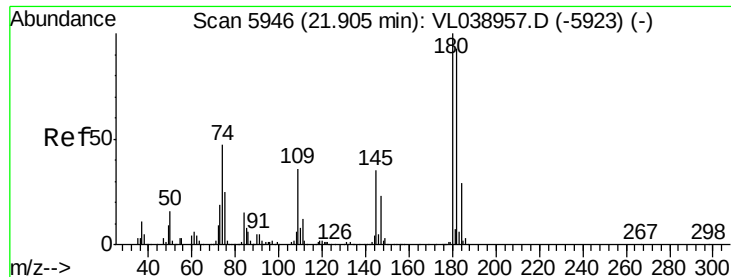


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.170 ppbv
 RT: 21.89
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 0.4 MDL
 Acq: 13 May 2022 18:57

Tot Ion	Ratio	Lower	Upper
180	100		
182	208.5	78.4	117.6#
184	72.3	24.4	36.6#

