

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039181.D
 Acq On : 6 Jun 2022 11:37
 Operator : SY/AP
 Sample : N3110-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3

Quant Time: Jun 06 12:05:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1274881	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3607672	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3208119	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2583526	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	27197	0.12	ppbv	89
3) Chlorodifluoromethane	2.99	51	19003	0.12	ppbv #	84
4) Chloromethane	3.14	50	7830	0.09	ppbv #	83
5) Vinyl Chloride	3.26	62	77674	1.00	ppbv	96
9) Propene	3.20	41	152705	2.16	ppbv	96
10) Heptane	8.11	43	231739	1.40	ppbv	98
11) Trichlorofluoromethane	3.95	101	1579408	7.79	ppbv	100
13) Ethanol	3.60	45	75966	19.69	ppbv #	100
15) Acetone	3.87	43	489598	3.69	ppbv #	82
16) 1,3-Butadiene	3.30	39	267367	3.75	ppbv #	15
17) tert-Butyl alcohol	4.30	59	12091	0.12	ppbv #	70
19) Isopropyl Alcohol	3.97	45	21096	0.34	ppbv #	58
20) Methylene Chloride	4.34	84	60599	1.08	ppbv	98
21) Allyl Chloride	4.36	41	4724	0.05	ppbv #	1
22) trans-1,2-Dichloroethene	4.88	96	4031	0.07	ppbv	88
23) Vinyl Acetate	5.05	43	44582	0.41	ppbv #	1
25) Ethyl Acetate	5.68	43	286803	0.96	ppbv #	80
26) Hexane	5.68	57	180954	1.38	ppbv #	1
27) Carbon Disulfide	4.55	76	201606	1.48	ppbv #	93
29) Chloroform	5.74	83	32077	0.14	ppbv	94
30) Cyclohexane	7.12	84	33244	0.30	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	118443	0.88	ppbv	100
34) 2-Butanone	5.25	43	31136	0.16	ppbv #	76
36) Benzene	6.89	78	75345	0.26	ppbv	96
38) Trichloroethene	7.83	130	140240	1.04	ppbv	97
39) 1,2-Dichloropropane	7.16	63	842819	7.23	ppbv #	24
44) 2,2,4-Trimethylpentane	7.86	57	142947	0.28	ppbv #	72
51) 2-Hexanone	10.10	43	17879	0.08	ppbv #	28
52) Tetrachloroethene	11.21	164	3449732	30.17	ppbv	98
53) Toluene	9.79	91	1588466	4.71	ppbv	99
58) Ethyl Benzene	12.70	91	480165	1.09	ppbv	99
59) m/p-Xylene	12.95	91	1650708	4.24	ppbv	93
60) o-Xylene	13.68	91	586177	1.60	ppbv	98
62) Isopropylbenzene	14.65	105	30153	0.06	ppbv #	50
64) n-propylbenzene	15.54	120	29165	0.22	ppbv #	1
65) tert-Butylbenzene	16.75	119	126742	0.26	ppbv #	70
66) Benzyl Chloride	17.18	91	3908	0.06	ppbv #	84
69) p-Isopropyltoluene	17.63	119	22611	0.04	ppbv #	47
70) n-Butylbenzene	18.53	91	54898	0.09	ppbv #	66
71) 2-Chlorotoluene	15.54	91	263666	0.64	ppbv #	45
72) 4-Ethyltoluene	15.82	105	369078	0.86	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

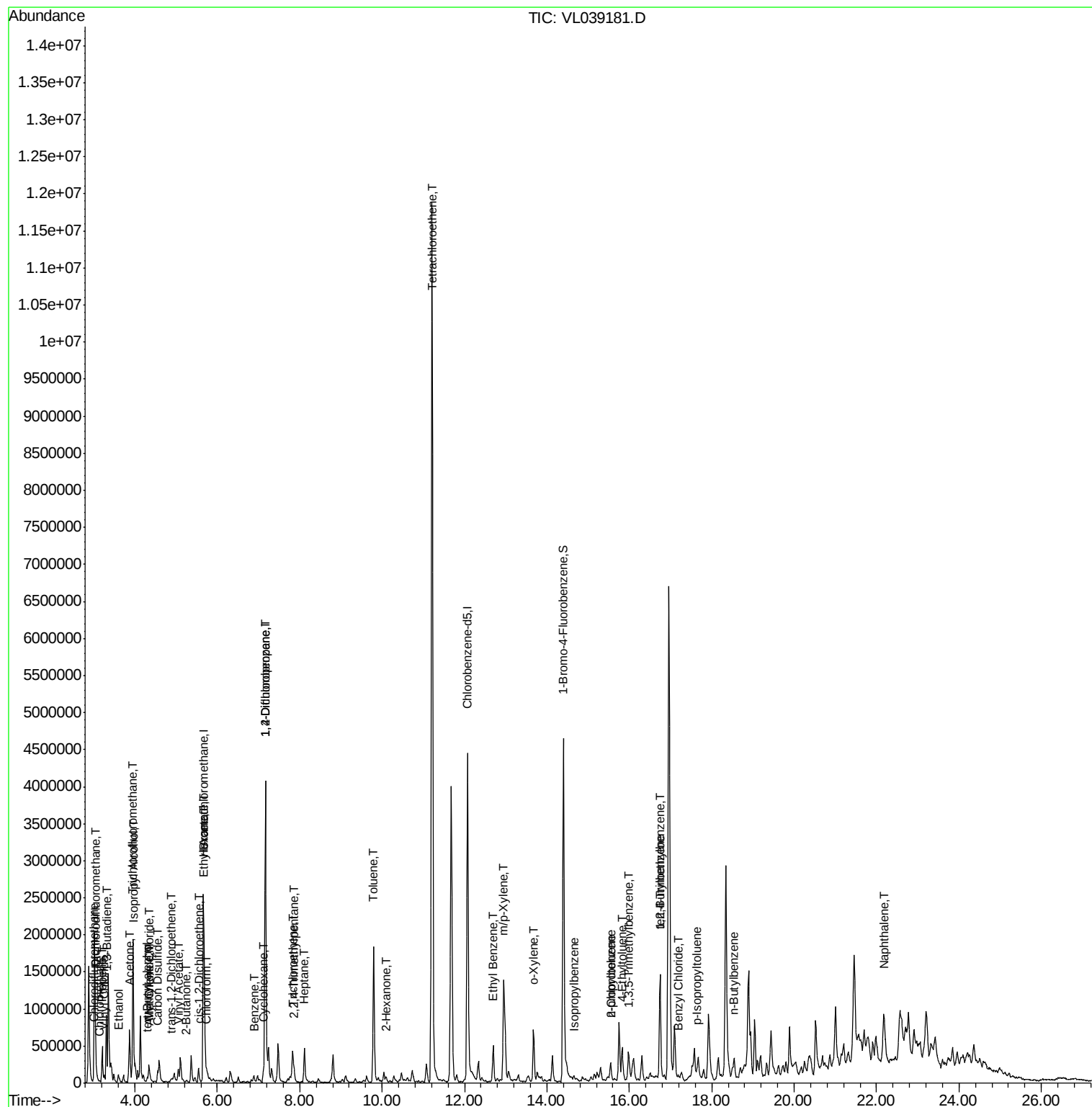
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.98	105	285658	0.74	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	1147194	2.66	ppbv #	64
79) Naphthalene	22.18	128	114287	0.34	ppbv	97

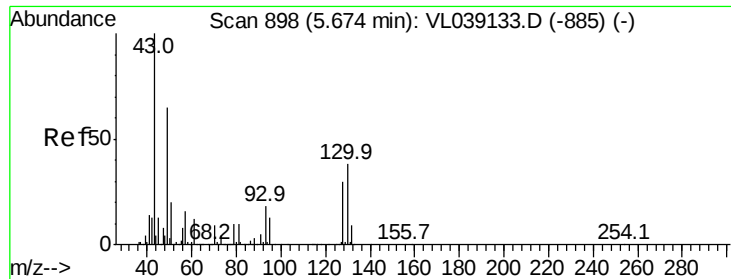
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-3

Acq: 6 Jun 2022 11:37

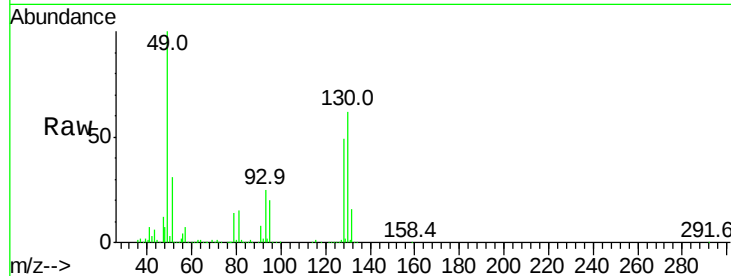
Tgt Ion: 49 Resp: 1274881

Ion Ratio Lower Upper

49 100

128 53.8 24.7 74.1

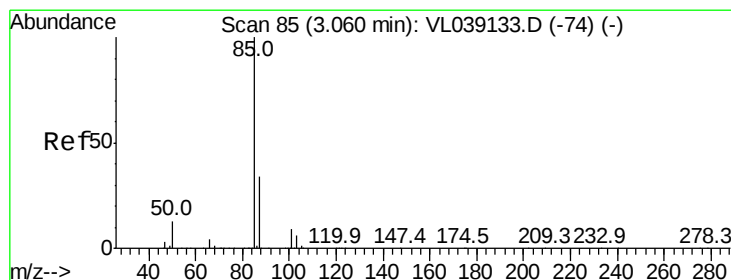
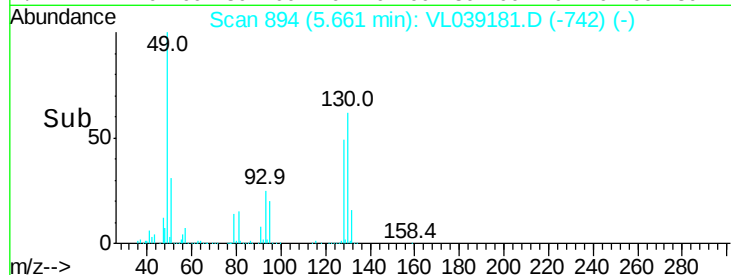
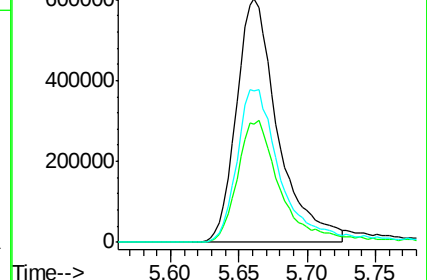
130 68.8 31.4 94.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.12 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL039181.D

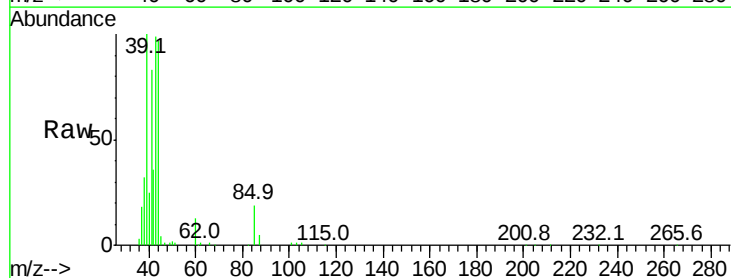
Acq: 6 Jun 2022 11:37

Tgt Ion: 85 Resp: 27197

Ion Ratio Lower Upper

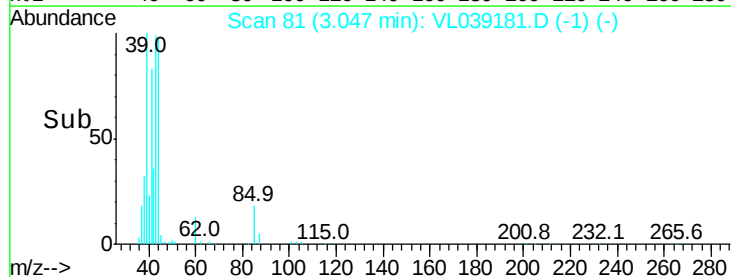
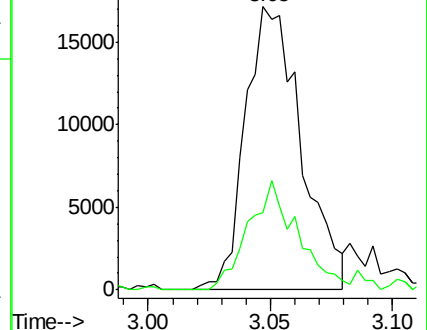
85 100

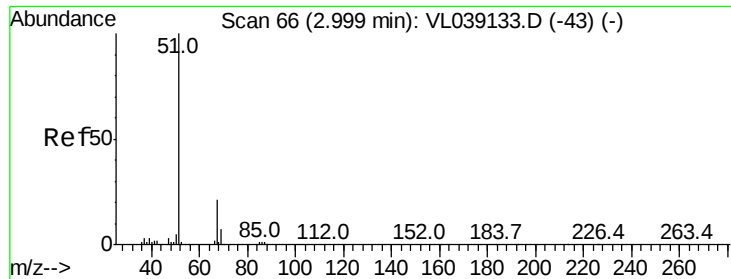
87 27.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

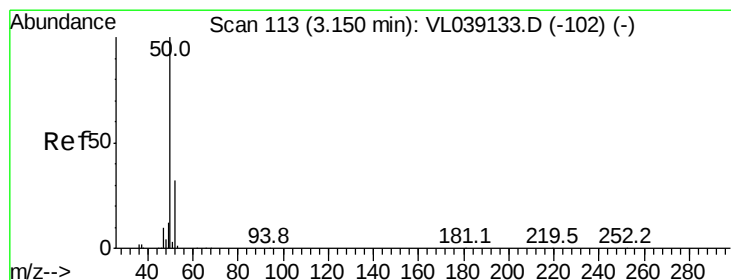
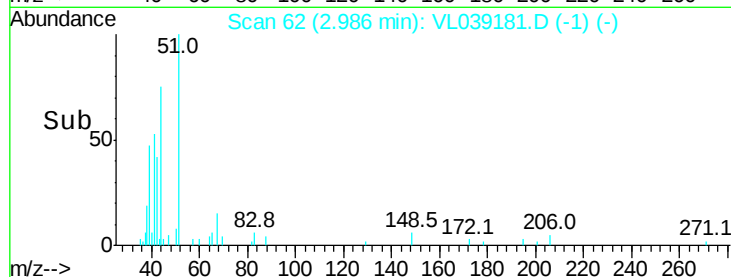
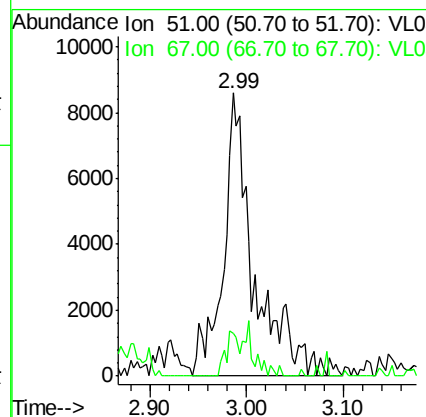
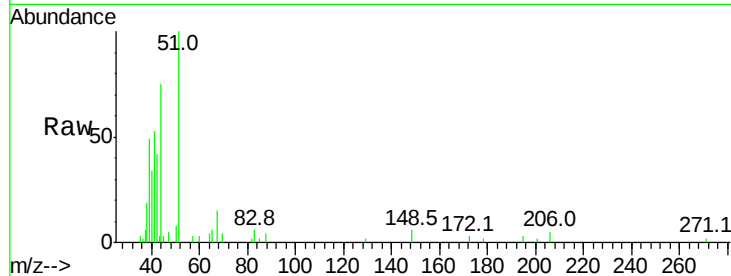
Ion 87.00 (86.70 to 87.70): VL0





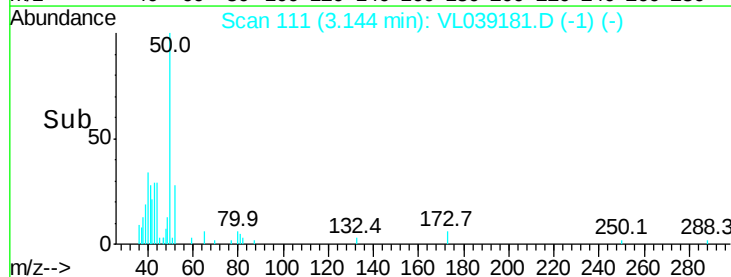
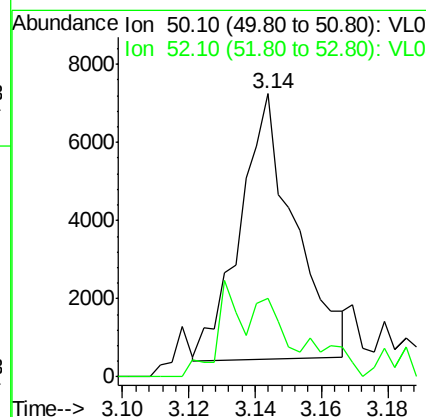
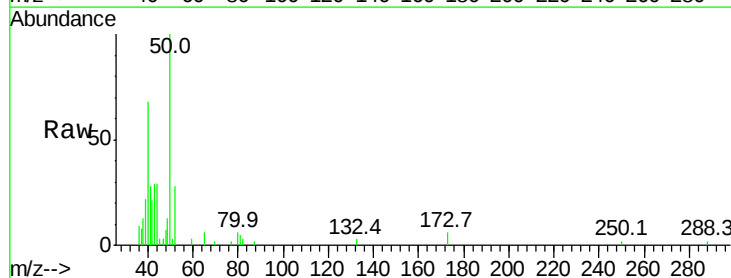
#3
Chlorodifluoromethane
Concen: 0.12 ppbv
RT: 2.99
Delta R.T. MSVOA.L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 11:37

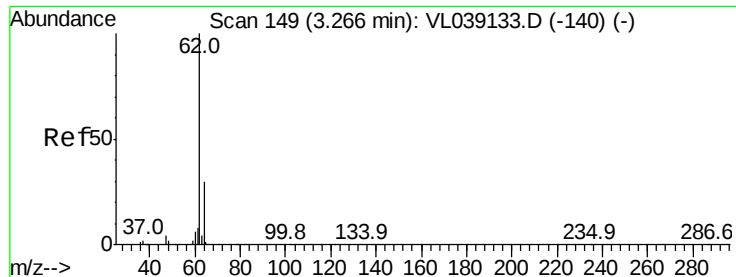
Tgt Ion: 51 Resp: 19003
Ion Ratio Lower Upper
51 100
67 12.8 16.2 24.4#



#4
Chloromethane
Concen: 0.09 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.01 min
Lab File: VL039181.D
Acq: 6 Jun 2022 11:37

Tgt Ion: 50 Resp: 7830
Ion Ratio Lower Upper
50 100
52 23.0 25.9 38.9#





#5

Vinyl Chloride

Concen: 1.00 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

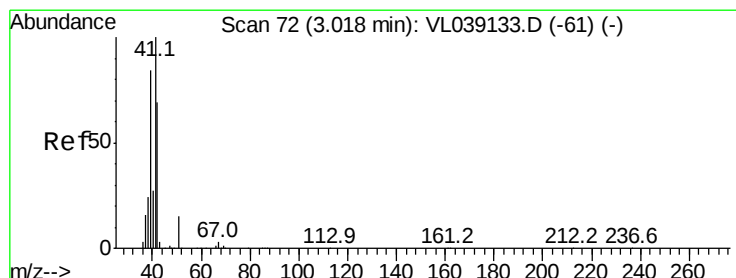
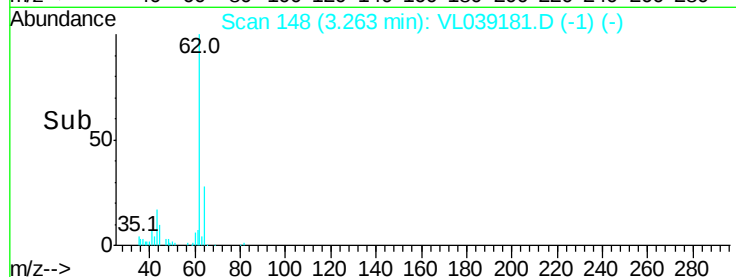
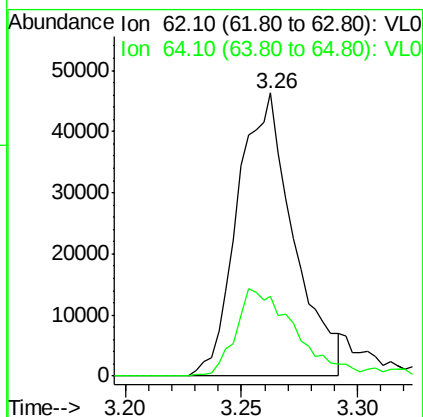
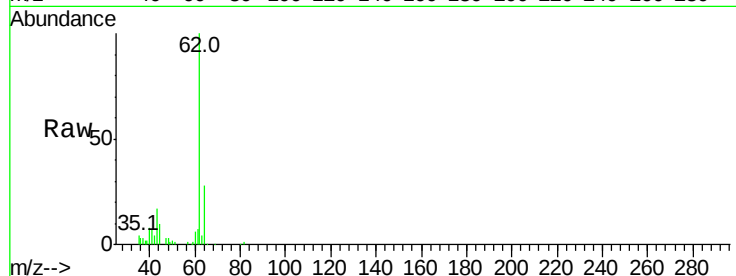
Acq: 6 Jun 2022 11:37

Tgt Ion: 62 Resp: 77674

Ion Ratio Lower Upper

62 100

64 28.2 24.2 36.2



#9

Propene

Concen: 2.16 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.19 min

Lab File: VL039181.D

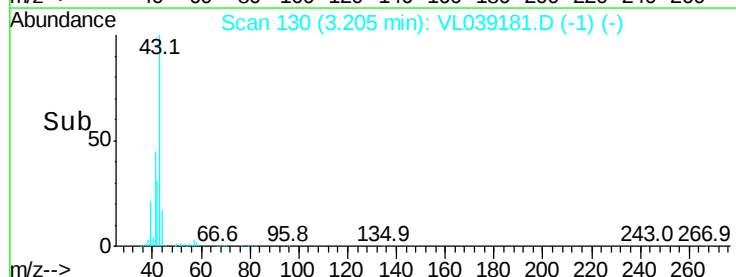
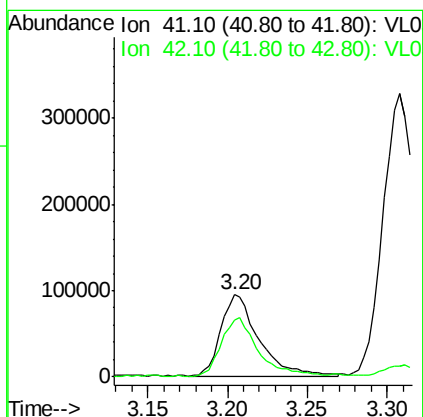
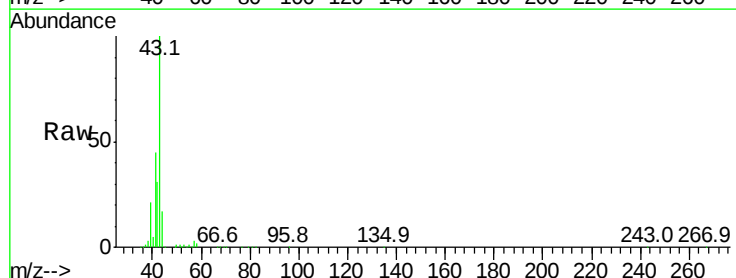
Acq: 6 Jun 2022 11:37

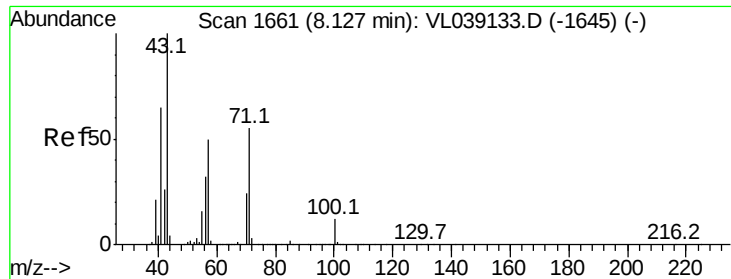
Tgt Ion: 41 Resp: 152705

Ion Ratio Lower Upper

41 100

42 72.4 55.4 83.2





#10

Heptane

Concen: 1.40 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

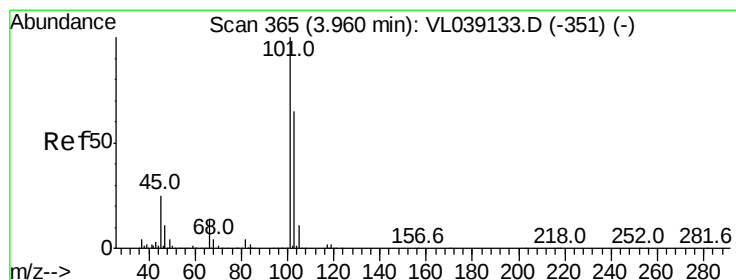
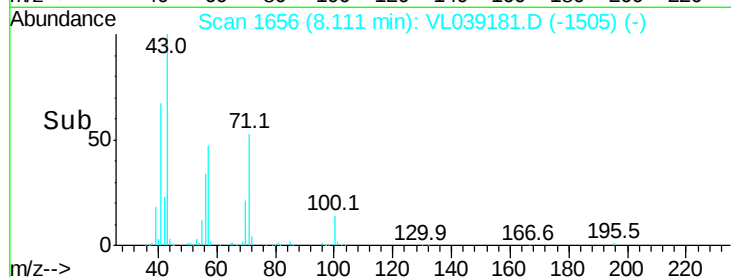
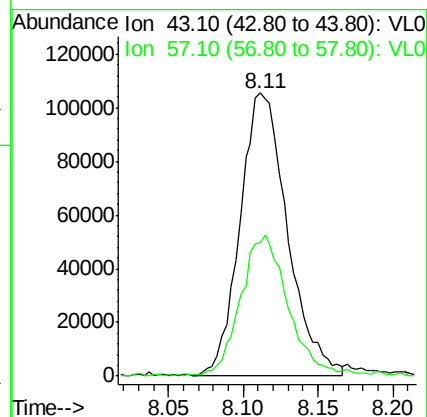
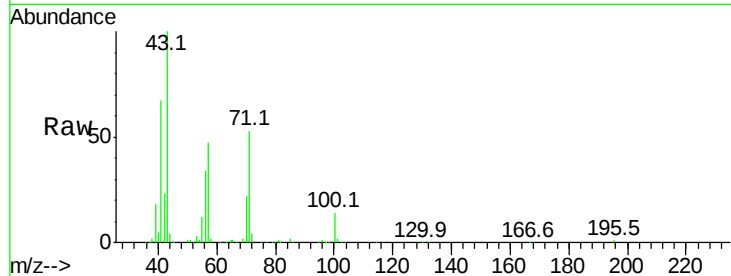
Acq: 6 Jun 2022 11:37 SG-3

Tgt Ion: 43 Resp: 231739

Ion Ratio Lower Upper

43 100

57 50.2 41.4 62.2



#11

Trichlorofluoromethane

Concen: 7.79 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL039181.D

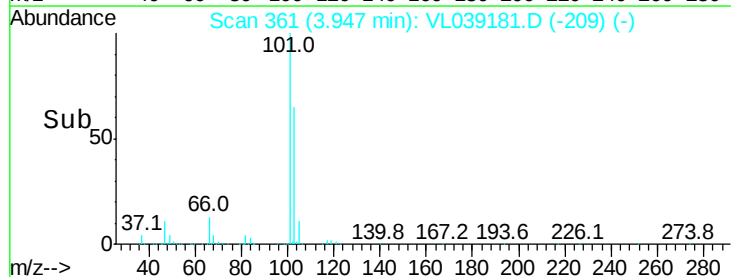
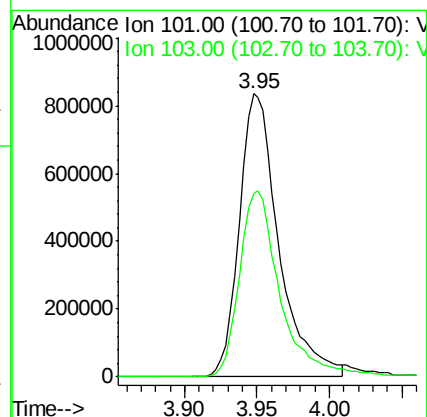
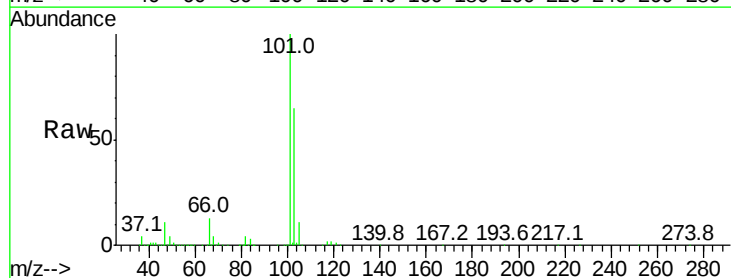
Acq: 6 Jun 2022 11:37

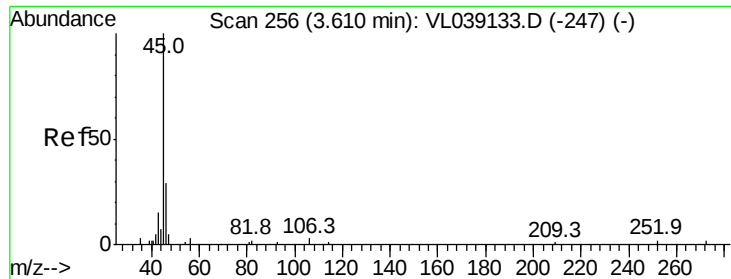
Tgt Ion: 101 Resp: 1579408

Ion Ratio Lower Upper

101 100

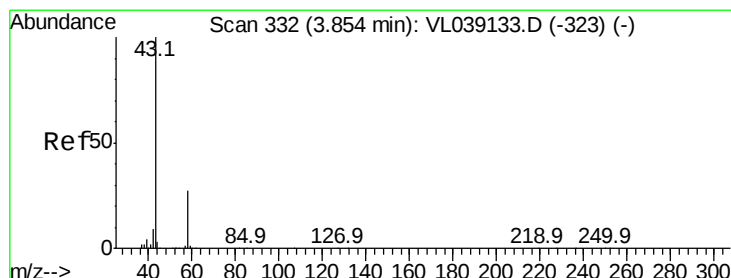
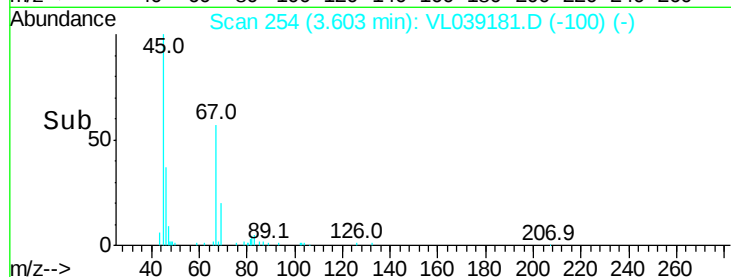
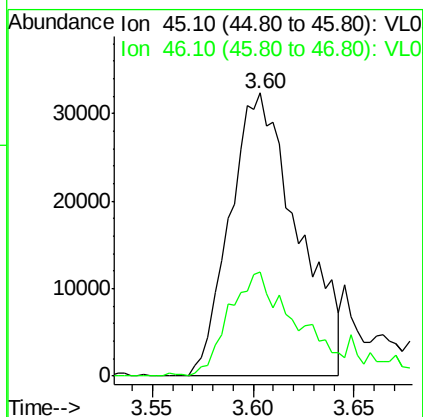
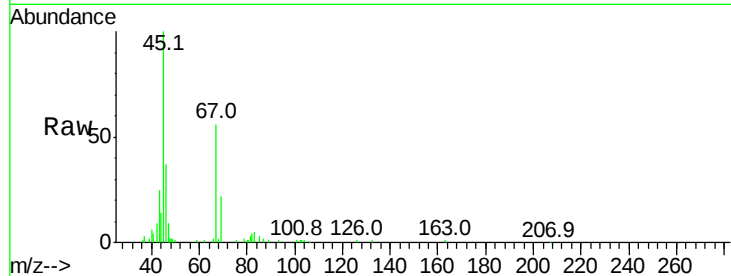
103 65.0 51.7 77.5





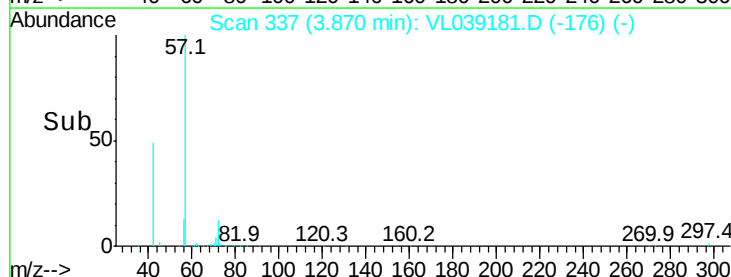
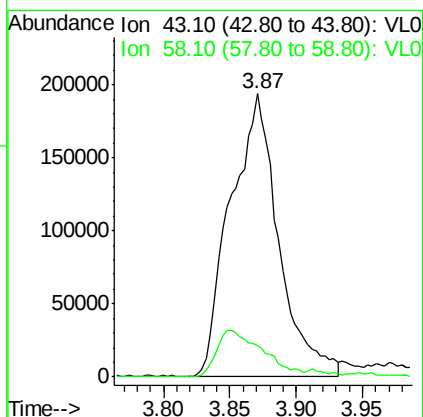
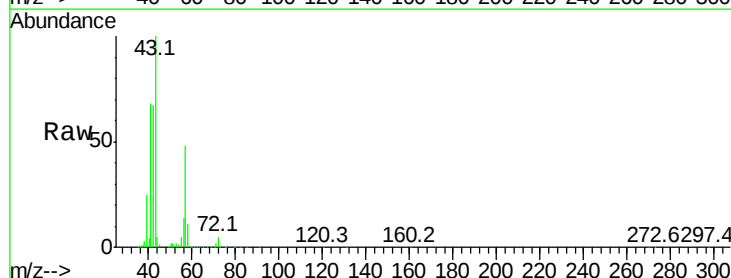
#13
 Ethanol
 Concen: 19.69 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 11:37

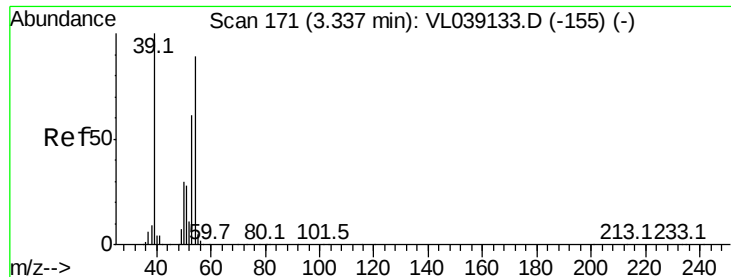
Tgt Ion: 45 Resp: 75966
 Ion Ratio Lower Upper
 45 100
 46 45.3 0.0 0.0#



#15
 Acetone
 Concen: 3.69 ppbv
 RT: 3.87 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

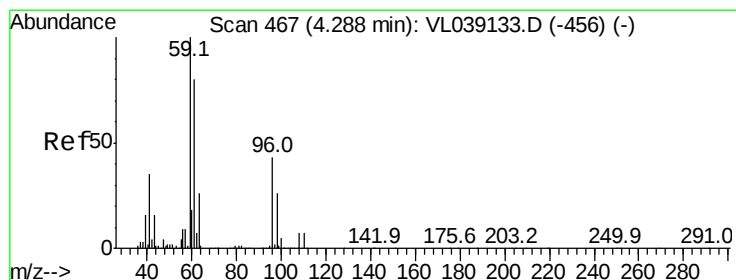
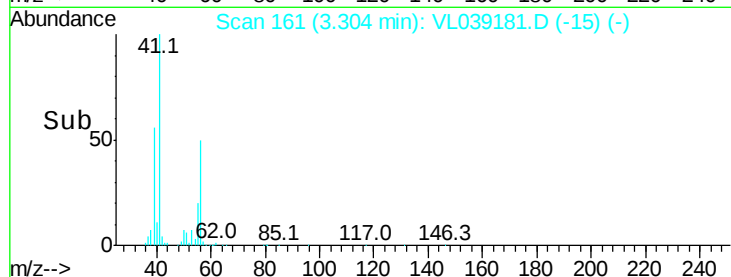
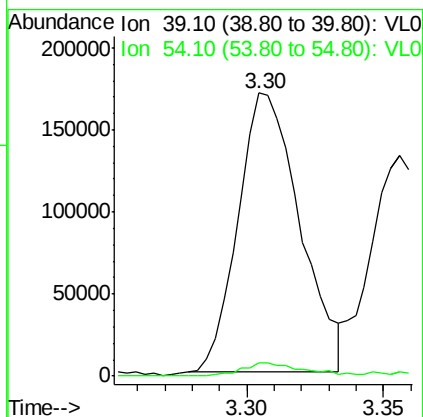
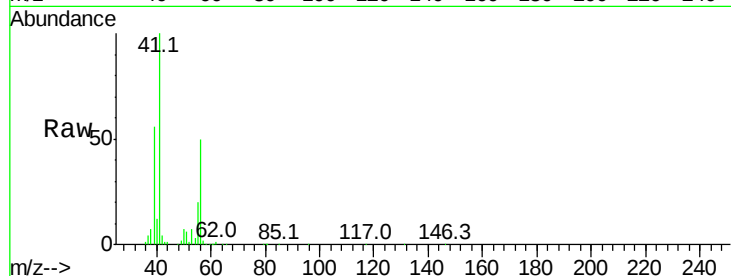
Tgt Ion: 43 Resp: 489598
 Ion Ratio Lower Upper
 43 100
 58 18.4 22.5 33.7#





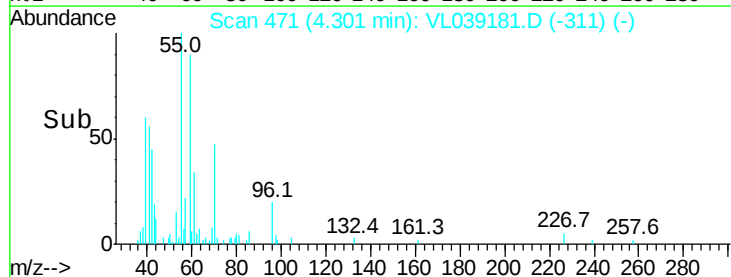
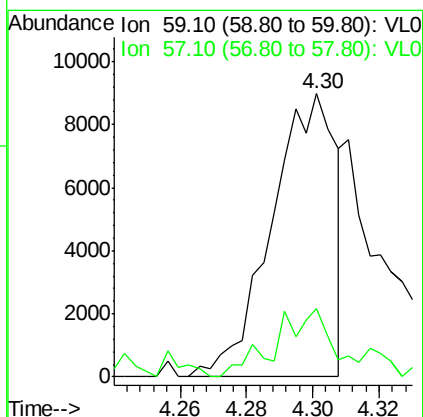
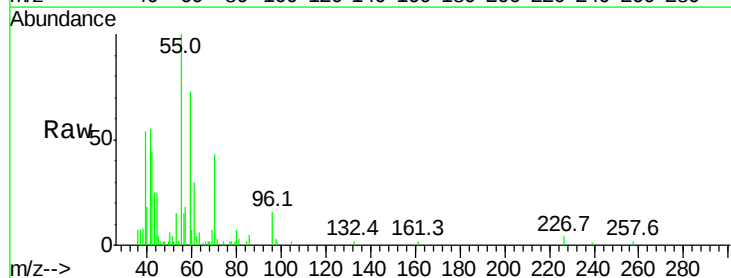
#16
 1,3-Butadiene
 Concen: 3.75 ppbv
 RT: 3.30
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SG-3
 Acq: 6 Jun 2022 11:37

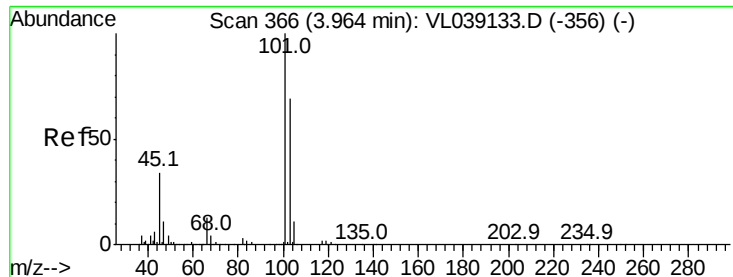
Tgt Ion: 39 Resp: 267367
 Ion Ratio Lower Upper
 39 100
 54 6.3 65.8 98.6#



#17
 tert-Butyl alcohol
 Concen: 0.12 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

Tgt Ion: 59 Resp: 12091
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 0.34 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

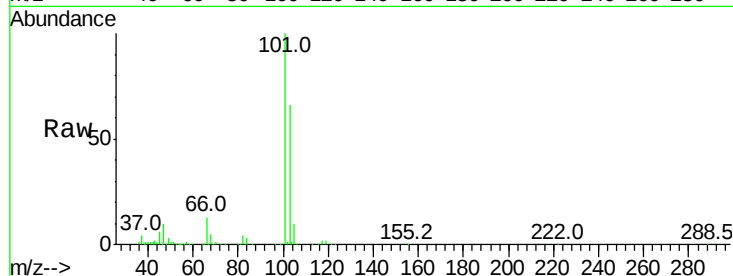
Acq: 6 Jun 2022 11:37 SG-3

Tgt Ion: 45 Resp: 21096

Ion Ratio Lower Upper

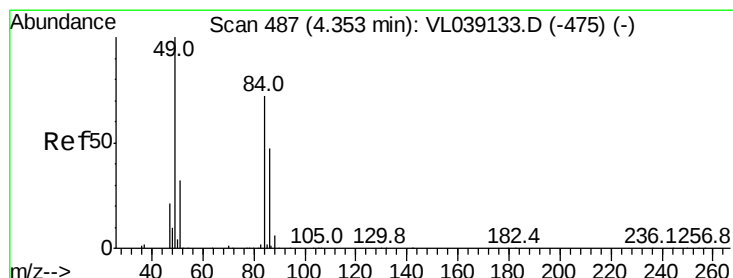
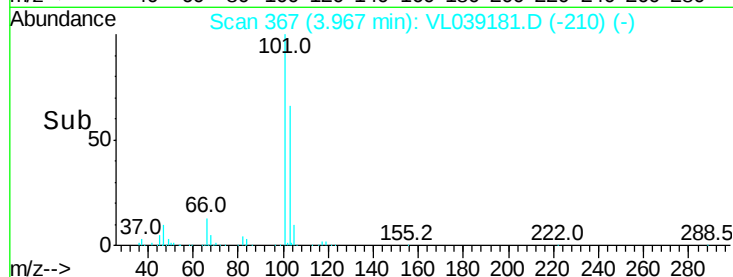
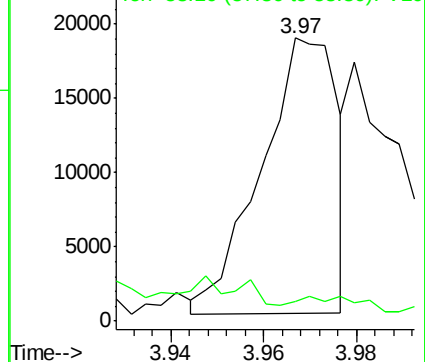
45 100

58 16.6 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.08 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL039181.D

Acq: 6 Jun 2022 11:37

Tgt Ion: 84 Resp: 60599

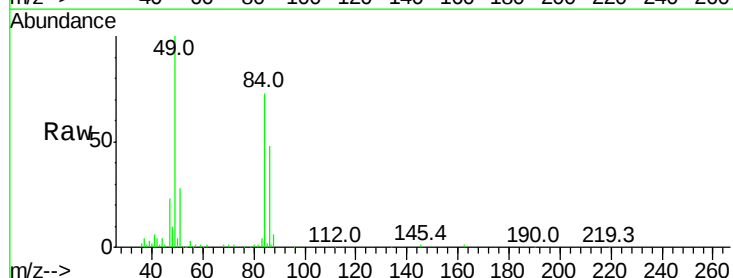
Ion Ratio Lower Upper

84 100

49 139.8 111.1 166.7

51 37.5 35.3 52.9

86 65.3 51.9 77.9

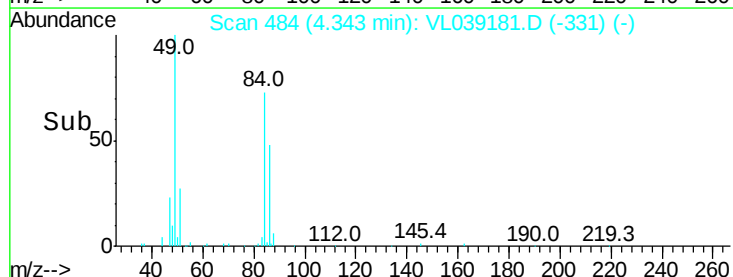
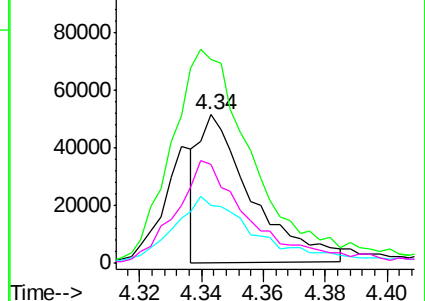


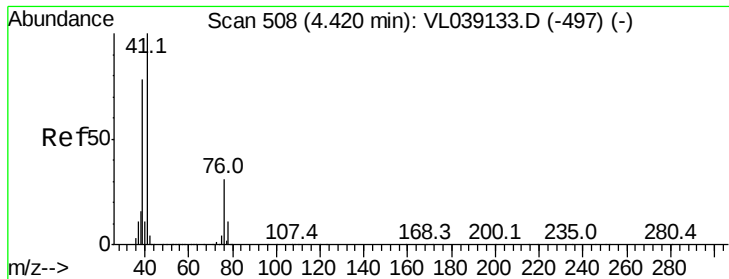
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

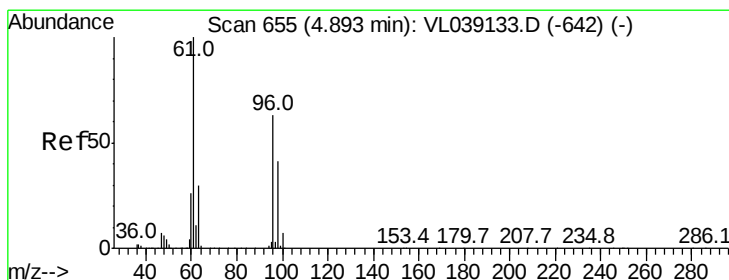
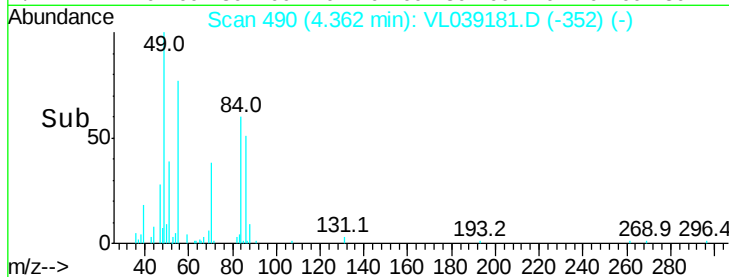
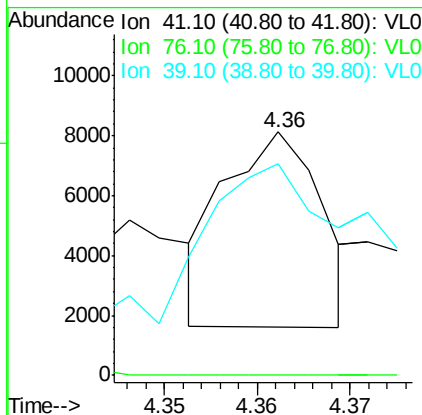
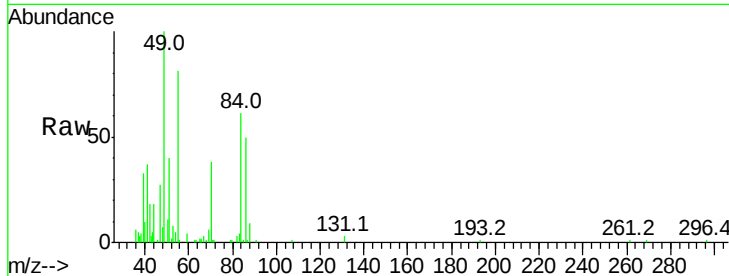
Ion 86.00 (85.70 to 86.70): VL0





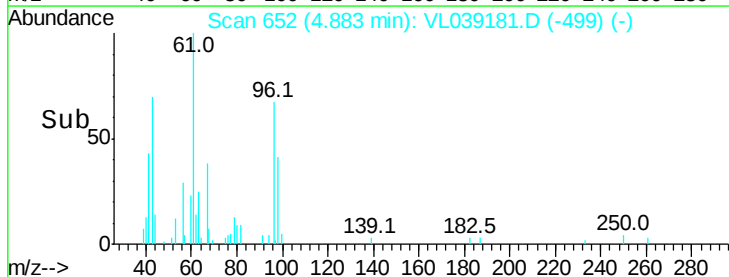
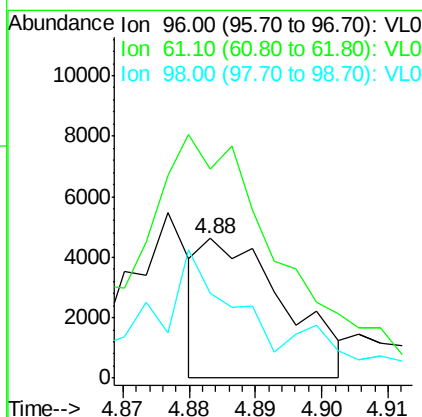
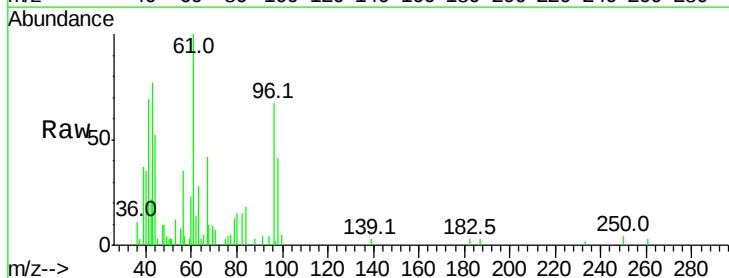
#21
 Allyl Chloride
 Concen: 0.05 ppbv
 RT: 4.36
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SG-3
 Acq: 6 Jun 2022 11:37

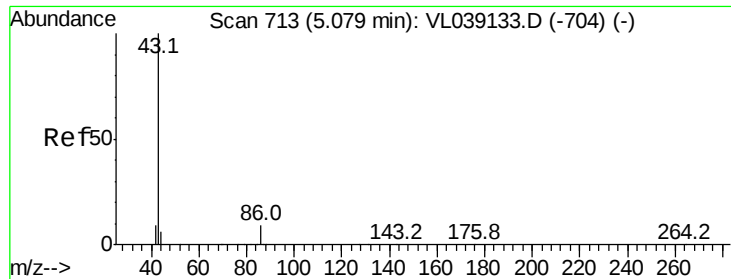
Tgt Ion: 41 Resp: 4724
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.2 36.2#
 39 262.5 62.2 93.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.07 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

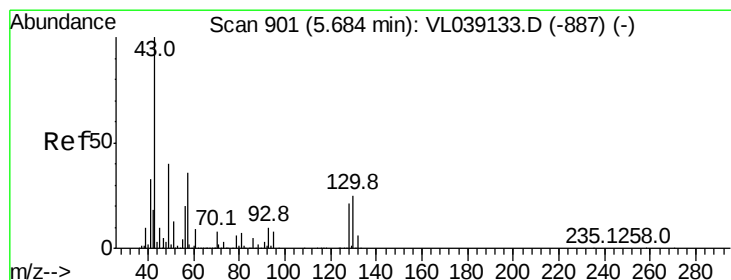
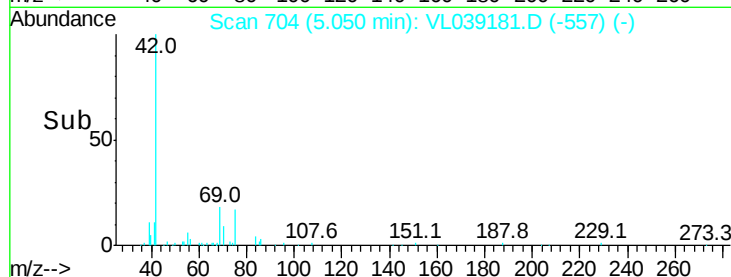
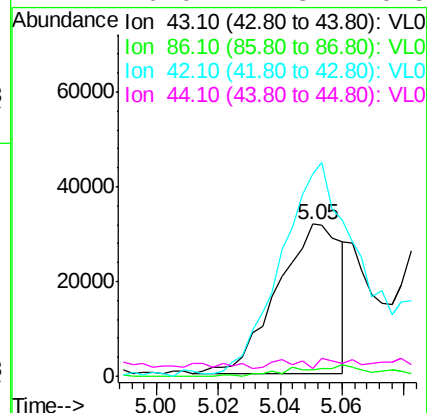
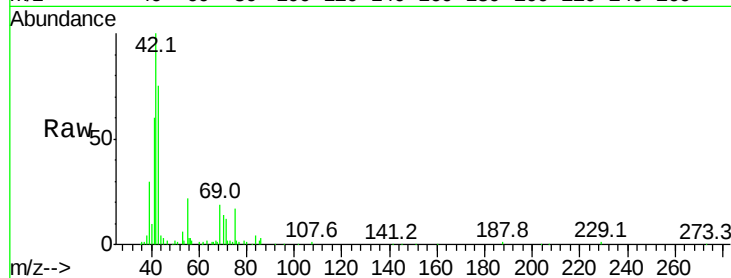
Tgt Ion: 96 Resp: 4031
 Ion Ratio Lower Upper
 96 100
 61 142.0 126.6 190.0
 98 56.5 52.5 78.7





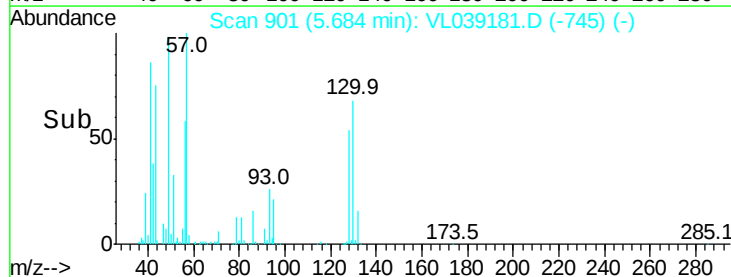
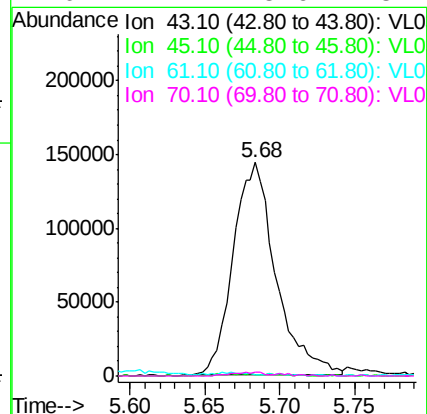
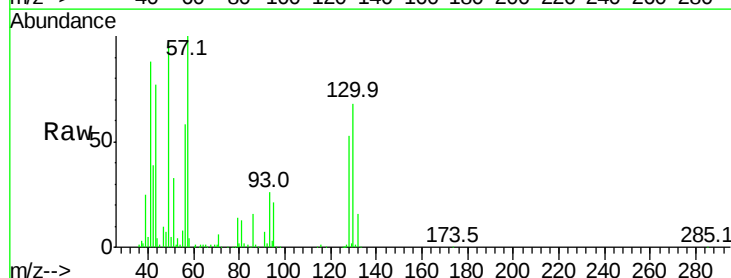
#23
 Vinyl Acetate
 Concen: 0.41 ppbv
 RT: 5.05
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SG-3
 Acq: 6 Jun 2022 11:37

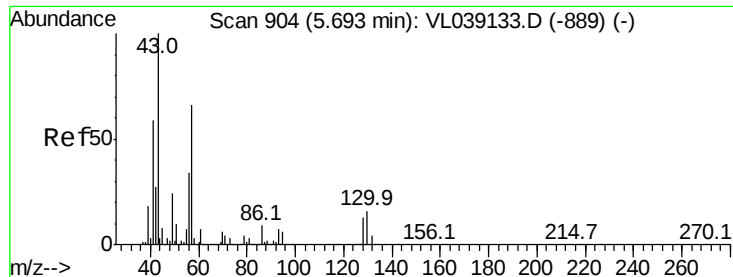
Tgt Ion:	43	Resp:	44582
Ion	Ratio	Lower	Upper
43	100		
86	4.0	6.0	9.0#
42	132.5	8.2	12.4#
44	0.0	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 0.96 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T.: 0.00 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

Tgt Ion:	43	Resp:	286803
Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.2	12.2#
61	2.4	8.4	12.6#
70	2.1	5.6	8.4#





#26

Hexane

Concen: 1.38 ppbv

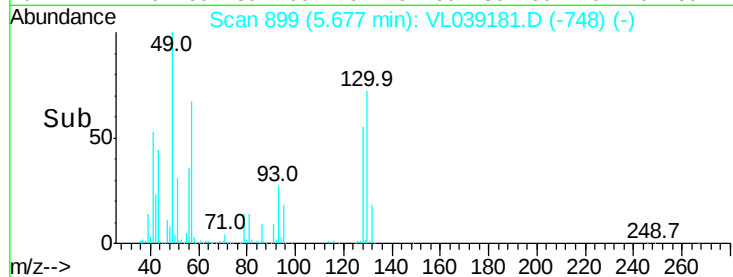
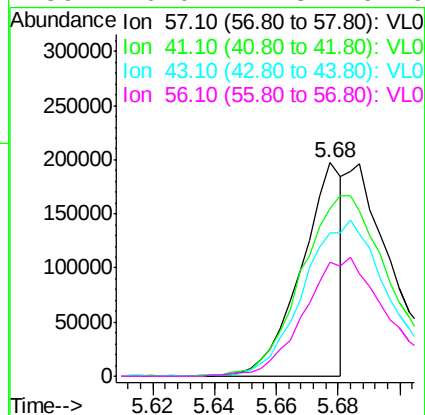
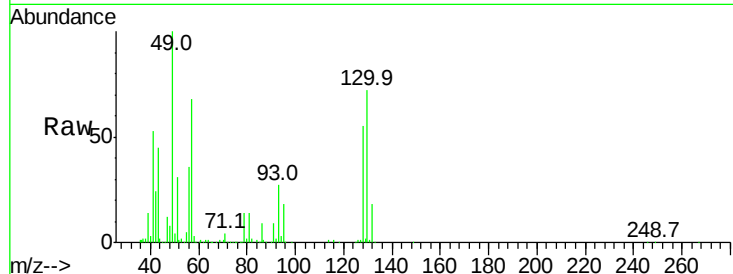
RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 11:37

Tgt Ion:	57	Resp:	180954
Ion Ratio	Lower	Upper	
57	100		
41	0.0	72.4	108.6#
43	0.0	187.0	280.6#
56	0.0	41.8	62.6#



#27

Carbon Disulfide

Concen: 1.48 ppbv

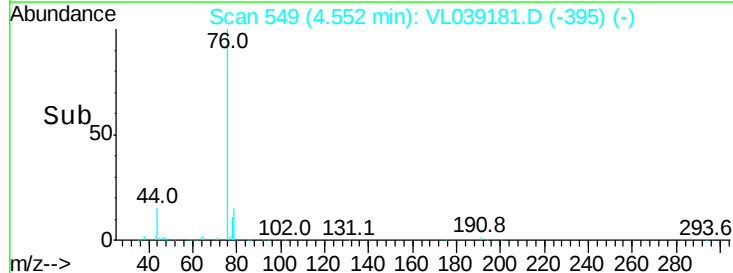
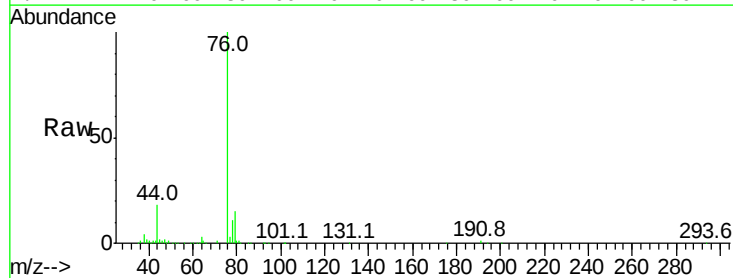
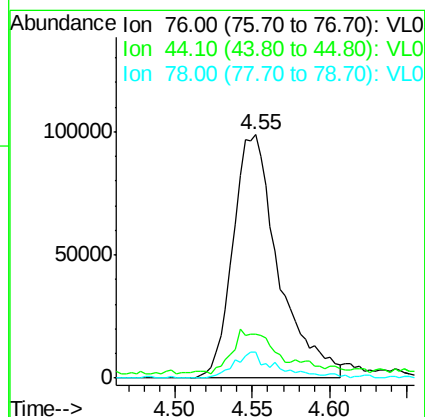
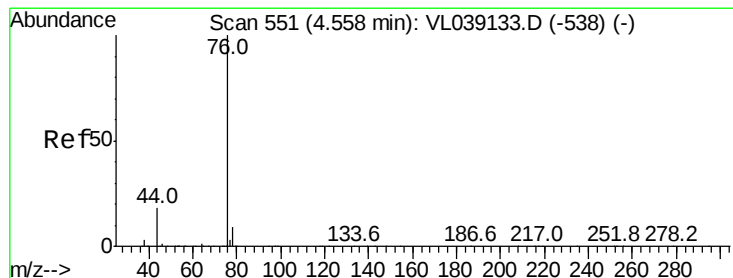
RT: 4.55 min Scan# 549

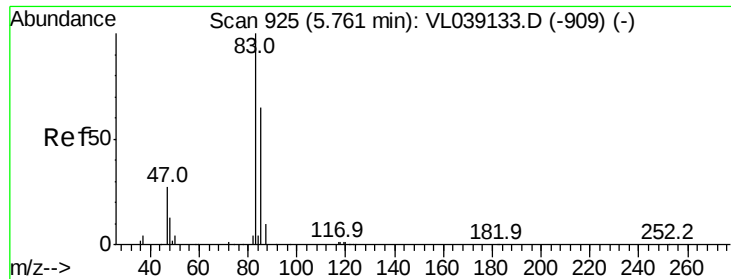
Delta R.T. -0.01 min

Lab File: VL039181.D

Acq: 6 Jun 2022 11:37

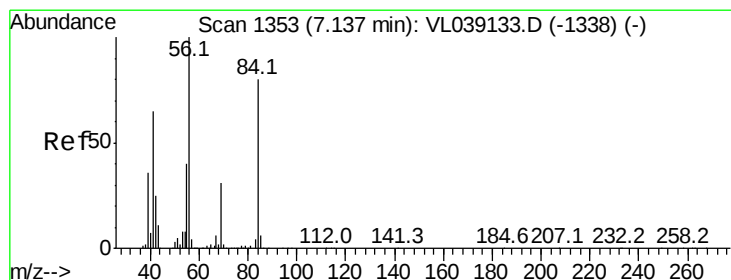
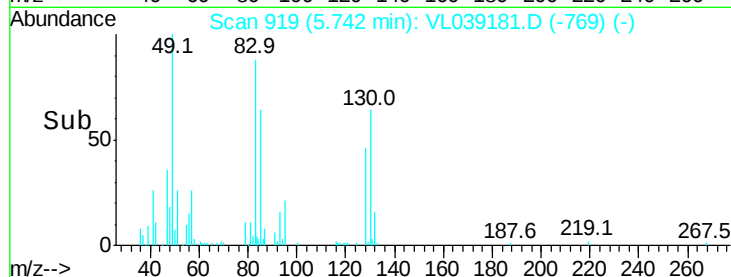
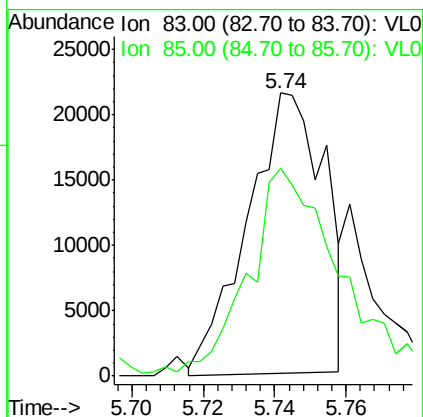
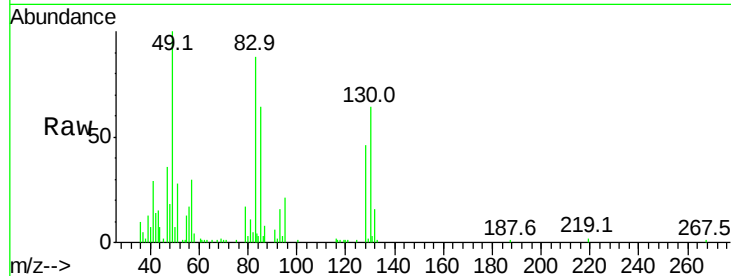
Tgt Ion:	76	Resp:	201606
Ion Ratio	Lower	Upper	
76	100		
44	22.3	14.4	21.6#
78	10.6	7.7	11.5





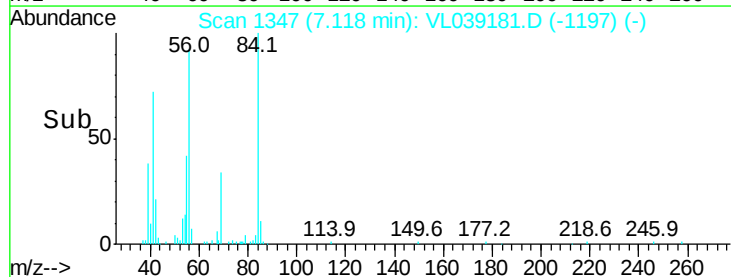
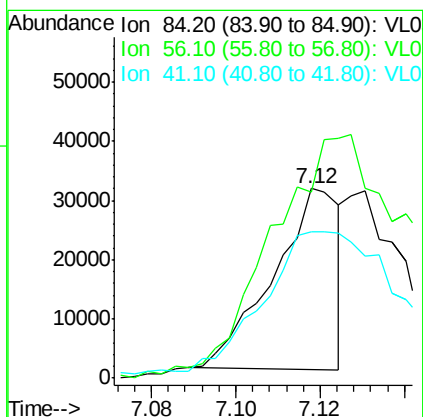
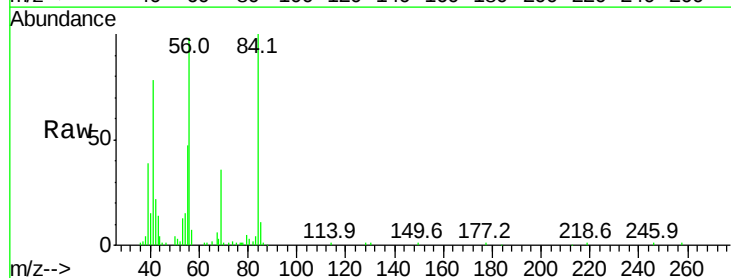
#29
Chloroform
Concen: 0.14 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId : SG-3
Acq: 6 Jun 2022 11:37

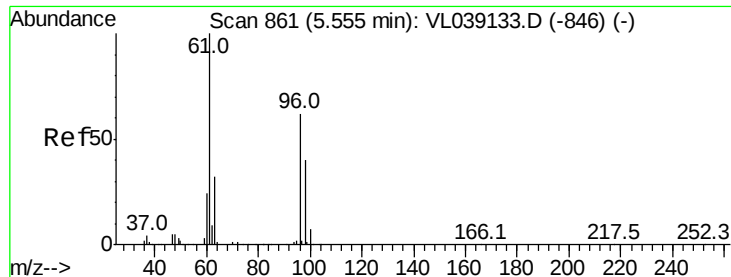
Tgt Ion: 83 Resp: 32077
Ion Ratio Lower Upper
83 100
85 70.2 52.4 78.6



#30
Cyclohexane
Concen: 0.30 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL039181.D
Acq: 6 Jun 2022 11:37

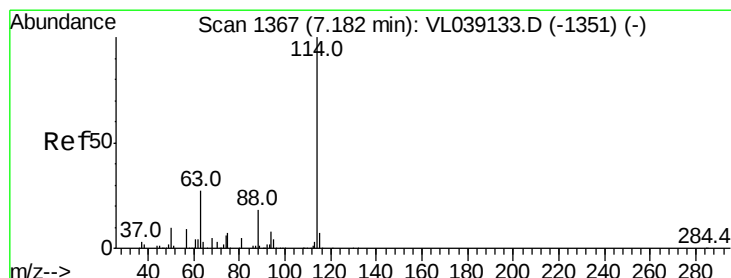
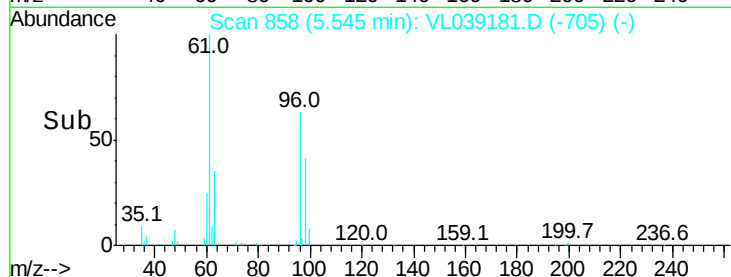
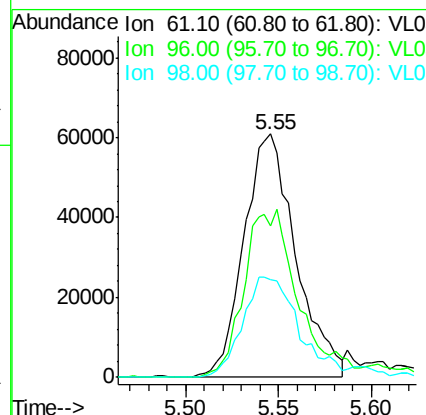
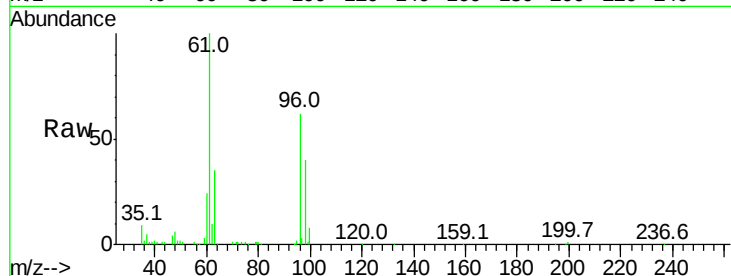
Tgt Ion: 84 Resp: 33244
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 181.6 68.9 103.3#





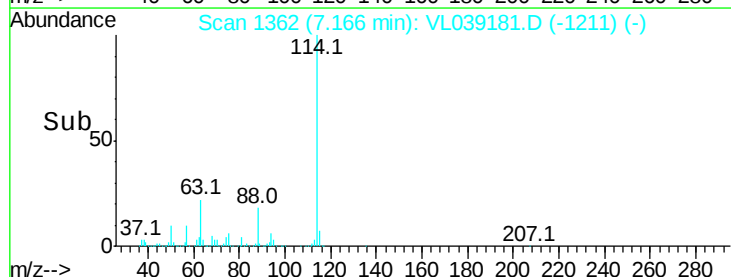
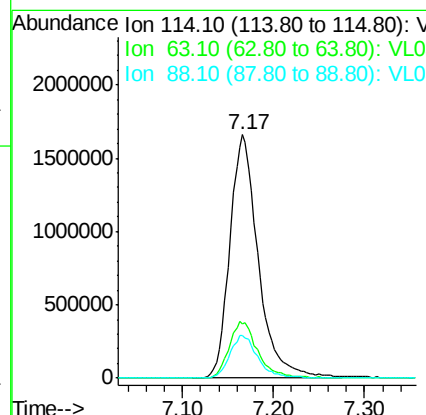
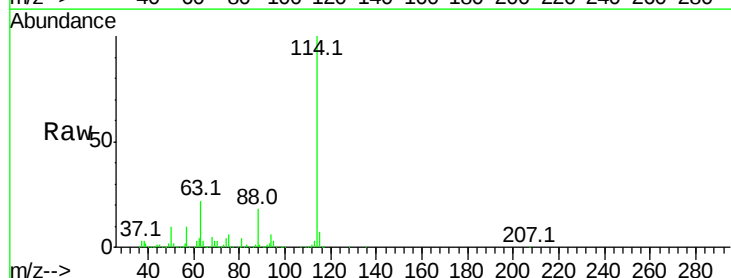
#31
 cis-1,2-Dichloroethene
 Concen: 0.88 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 11:37

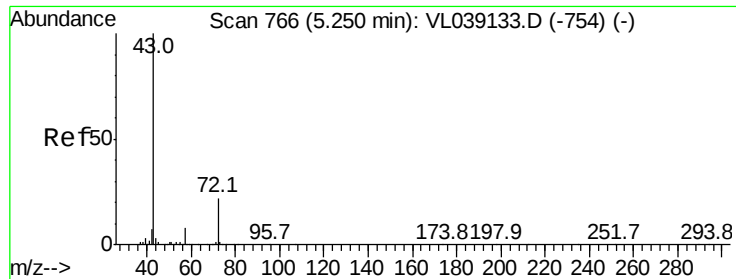
Tgt Ion:	61	Resp:	118443
Ion	Ratio	Lower	Upper
61	100		
96	62.3	49.9	74.9
98	40.0	32.0	48.0



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

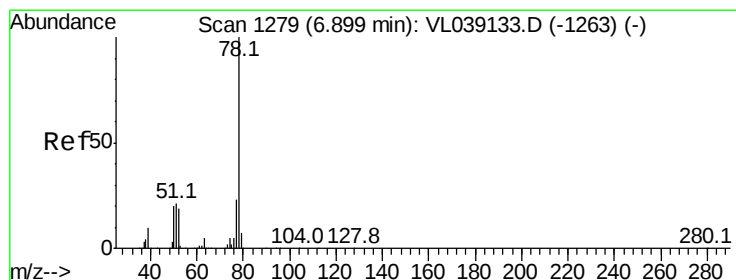
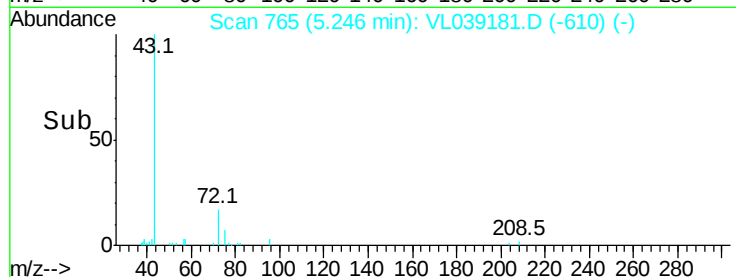
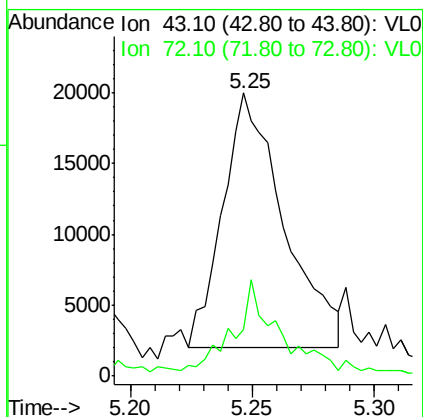
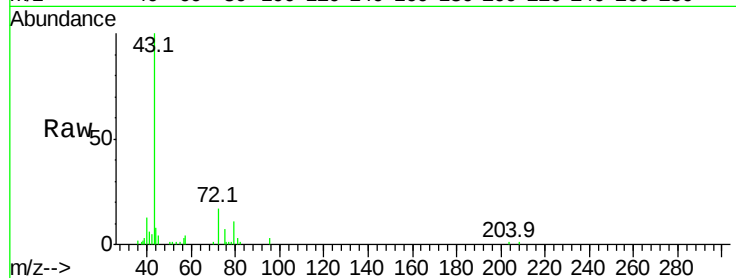
Tgt Ion:	114	Resp:	3607672
Ion	Ratio	Lower	Upper
114	100		
63	23.9	21.7	32.5
88	17.5	14.8	22.2





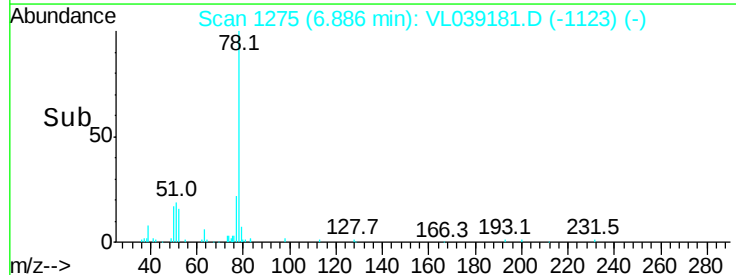
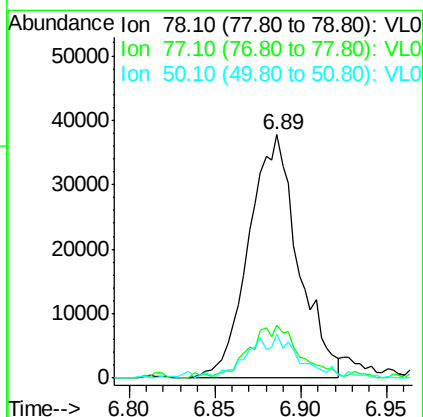
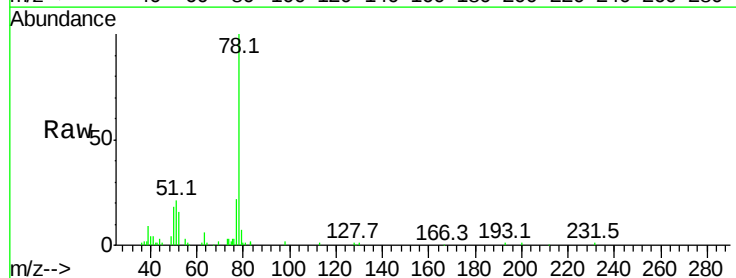
#34
2-Butanone
Concen: 0.16 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 11:37

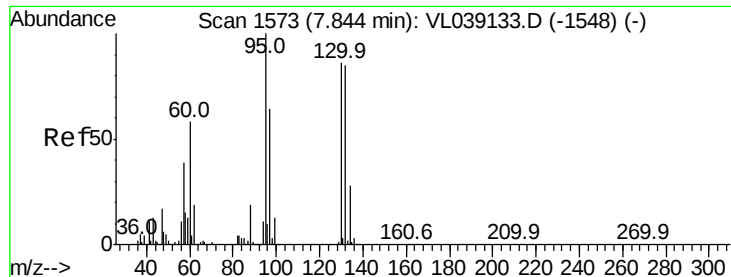
Tgt Ion: 43 Resp: 31136
Ion Ratio Lower Upper
43 100
72 34.5 18.2 27.2#



#36
Benzene
Concen: 0.26 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL039181.D
Acq: 6 Jun 2022 11:37

Tgt Ion: 78 Resp: 75345
Ion Ratio Lower Upper
78 100
77 21.9 18.6 27.8
50 16.9 15.8 23.8





#38

Trichloroethene

Concen: 1.04 ppbv

RT: 7.83 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 6 Jun 2022 11:37

Tgt Ion:130 Resp: 140240

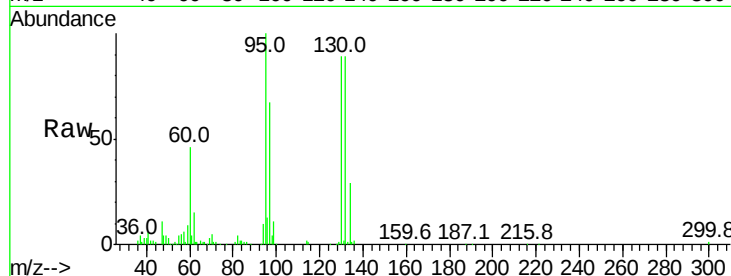
Ion Ratio Lower Upper

130 100

95 111.8 93.3 139.9

132 100.4 79.0 118.4

97 75.6 59.4 89.2

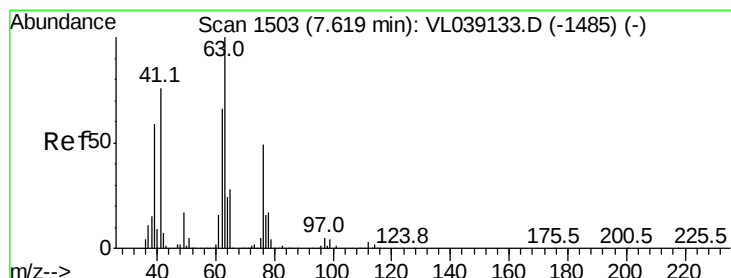
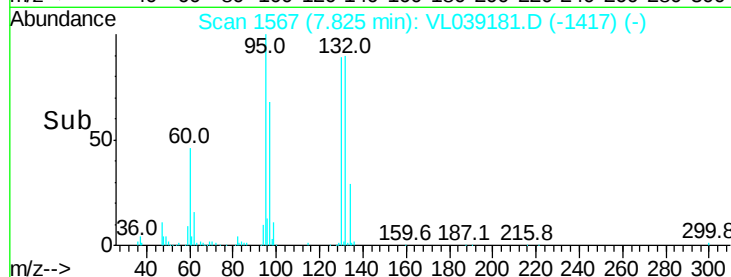
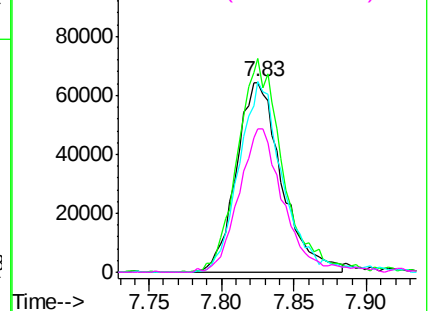


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.23 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL039181.D

Acq: 6 Jun 2022 11:37

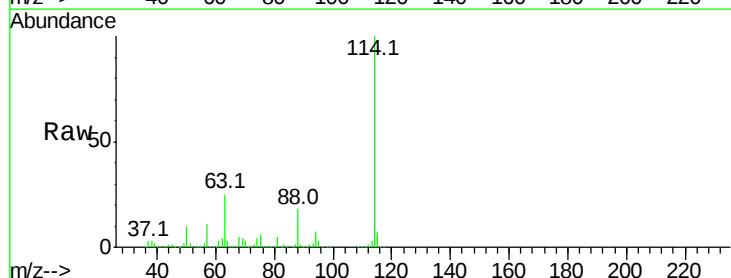
Tgt Ion: 63 Resp: 842819

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

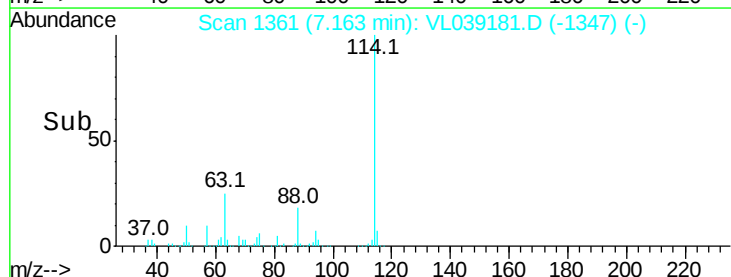
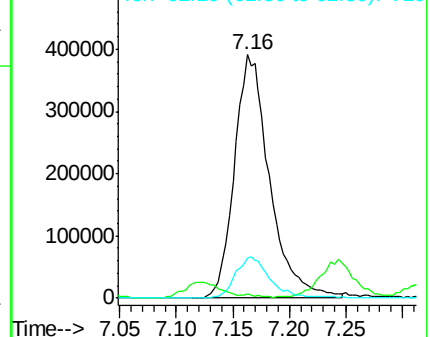
62 16.7 52.9 79.3#

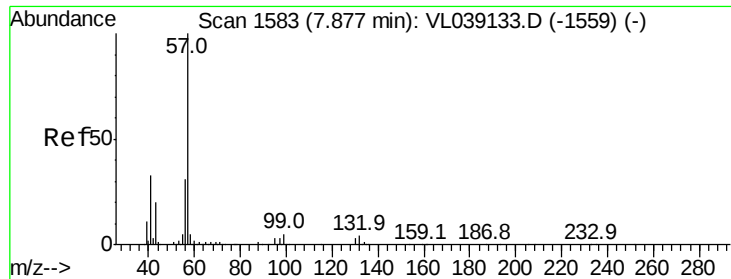


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

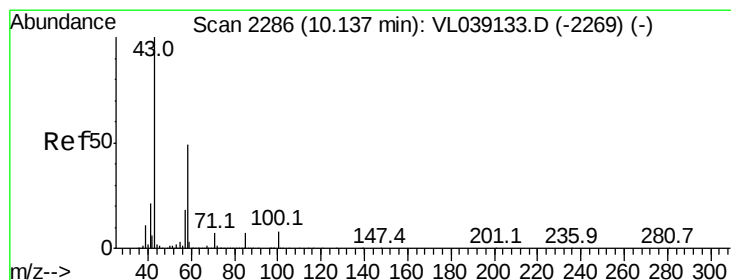
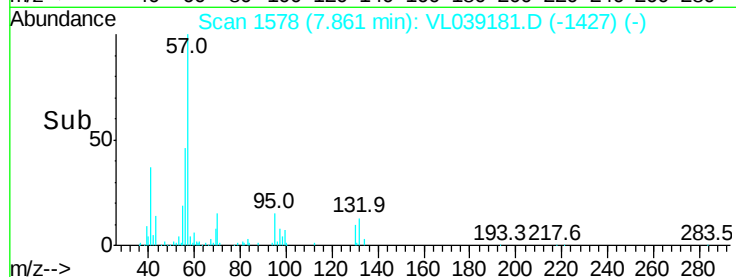
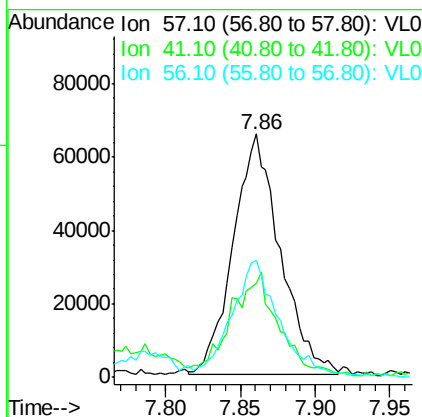
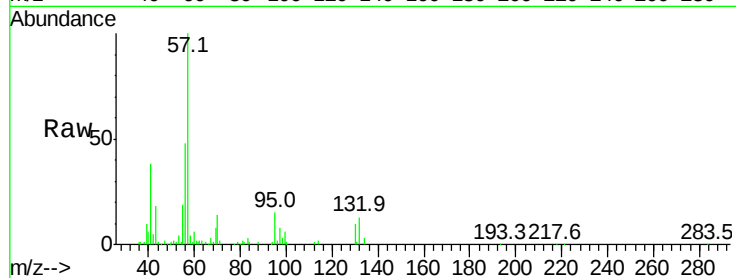
Ion 62.10 (61.80 to 62.80): VL0





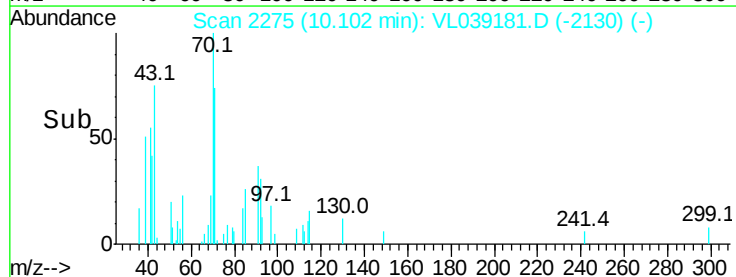
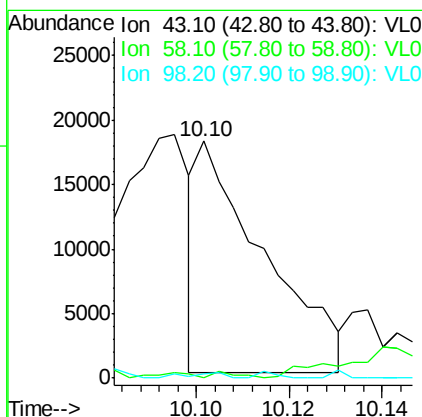
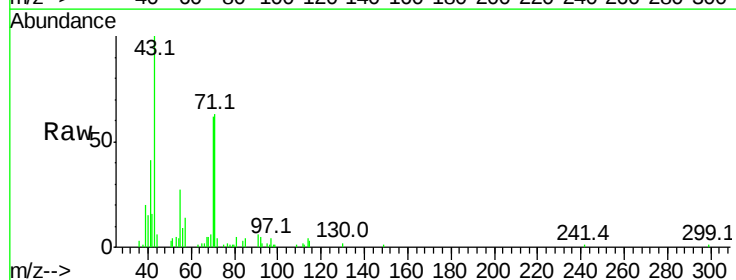
#44
 2,2,4-Trimethylpentane
 Concen: 0.28 ppbv
 RT: 7.86
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 11:37

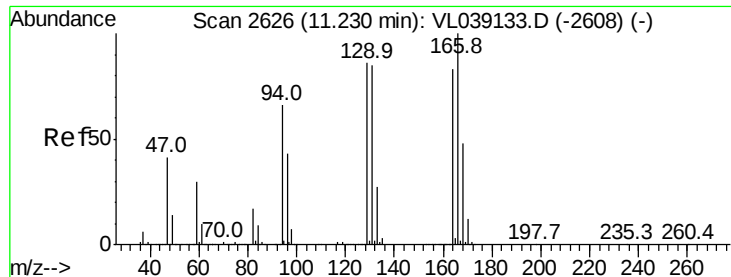
Tgt Ion: 57 Resp: 142947
 Ion Ratio Lower Upper
 57 100
 41 44.8 26.2 39.4#
 56 50.4 24.7 37.1#



#51
 2-Hexanone
 Concen: 0.08 ppbv
 RT: 10.10 min Scan# 2275
 Delta R.T. -0.04 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

Tgt Ion: 43 Resp: 17879
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.0 60.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 30.17 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 11:37

Tgt Ion: 164 Resp: 3449732

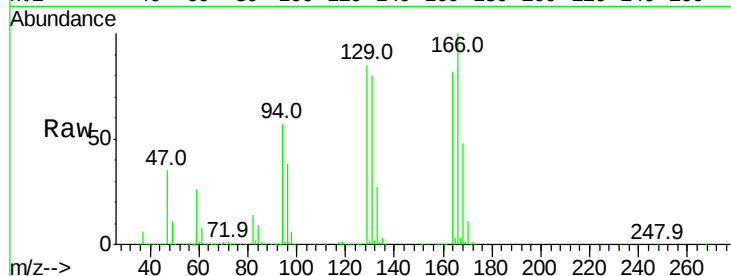
Ion Ratio Lower Upper

164 100

166 122.1 96.3 144.5

129 103.8 82.5 123.7

131 97.9 82.1 123.1

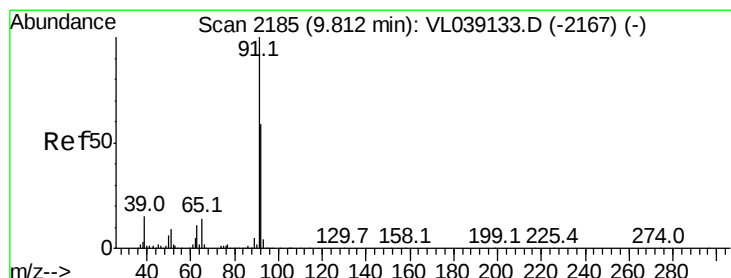
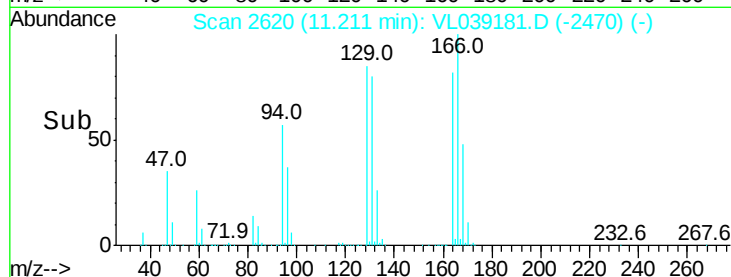
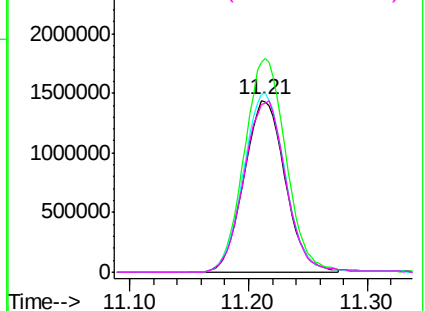


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 4.71 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL039181.D

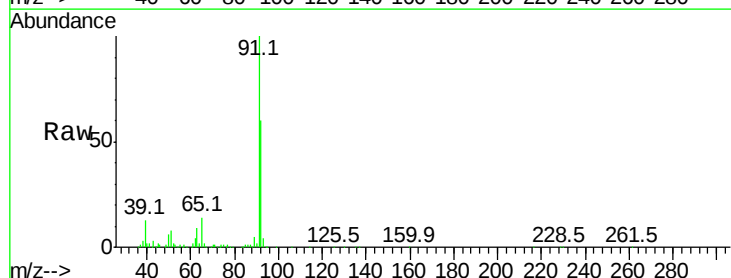
Acq: 6 Jun 2022 11:37

Tgt Ion: 91 Resp: 1588466

Ion Ratio Lower Upper

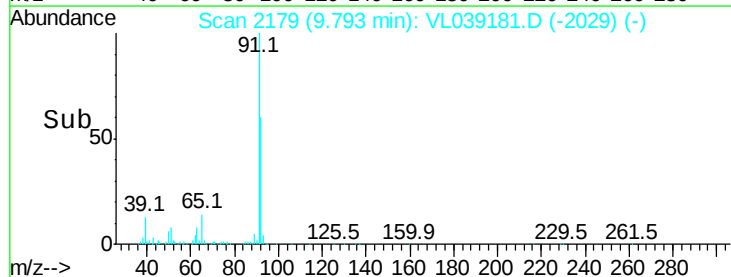
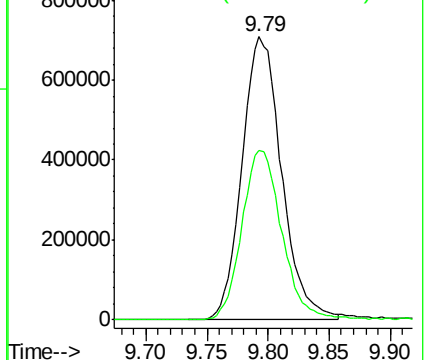
91 100

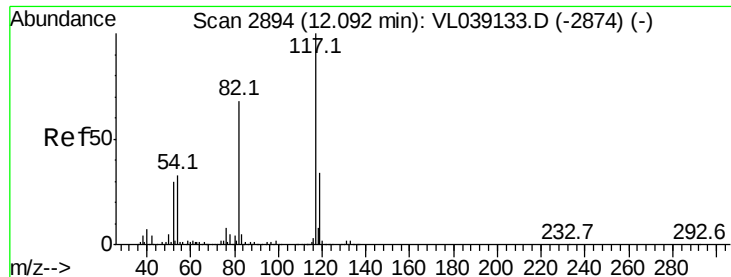
92 61.0 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

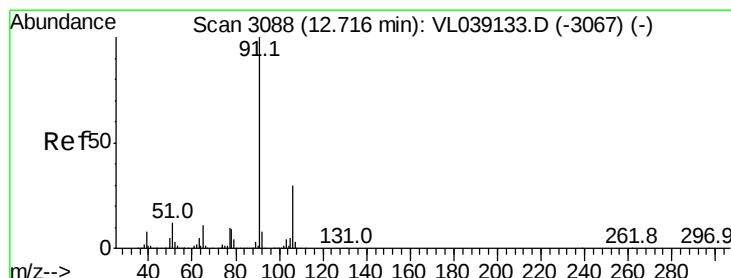
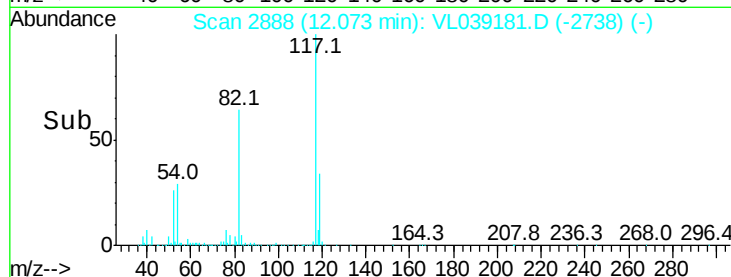
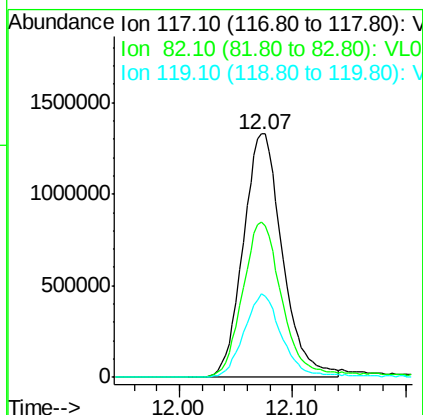
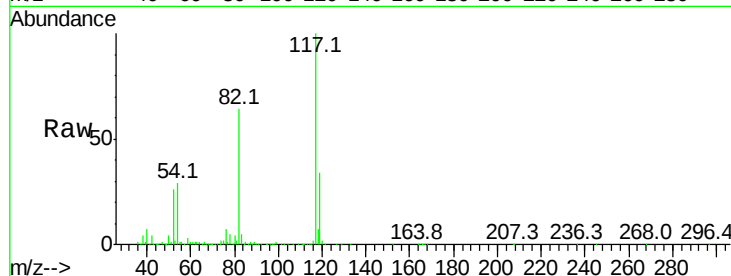




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 6 Jun 2022 11:37

Tgt Ion: 117 Resp: 3208119

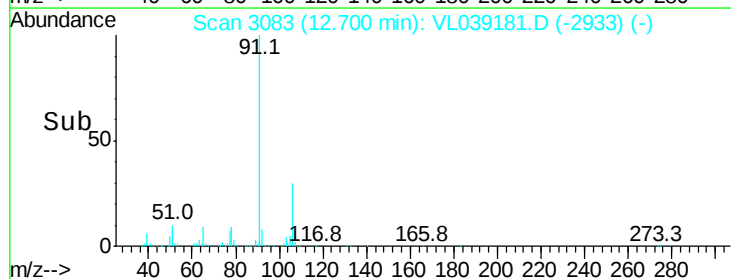
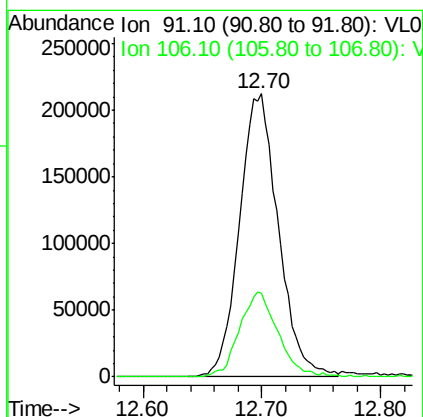
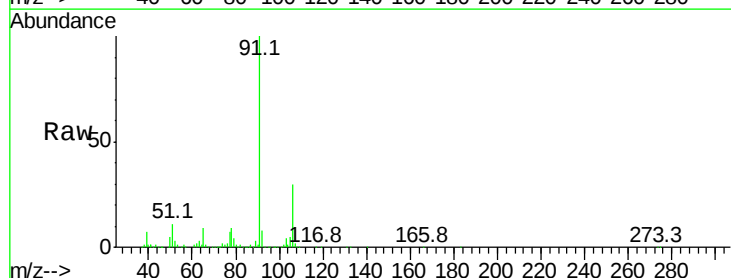
Ion	Ratio	Lower	Upper
117	100		
82	67.1	55.1	82.7
119	33.6	24.7	37.1

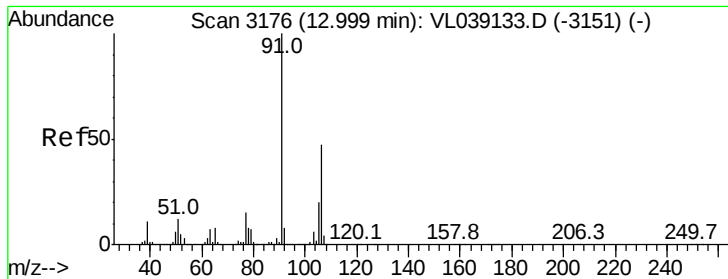


#58
Ethyl Benzene
Concen: 1.09 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: -0.02 min
Lab File: VL039181.D
Acq: 6 Jun 2022 11:37

Tgt Ion: 91 Resp: 480165

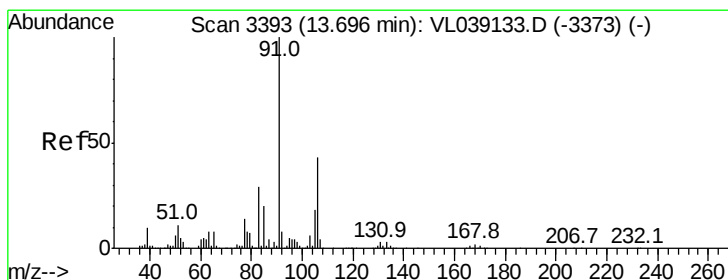
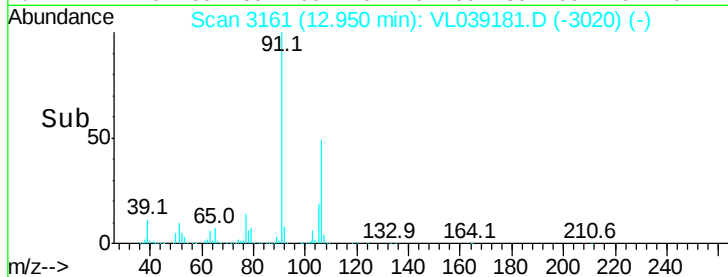
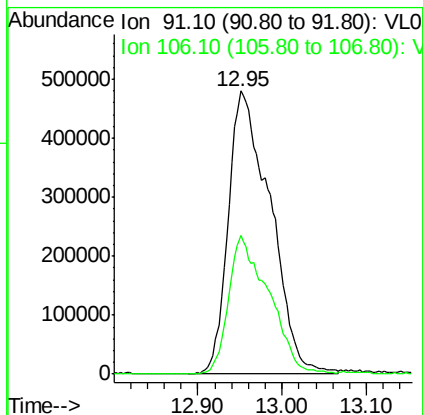
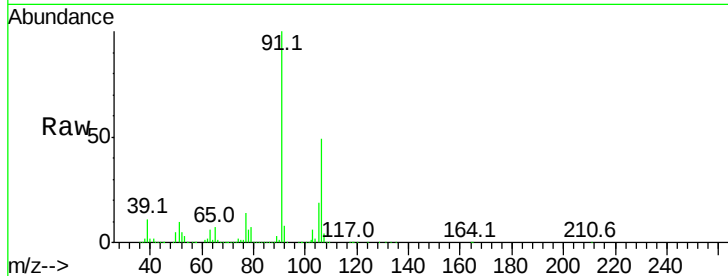
Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.2	36.4





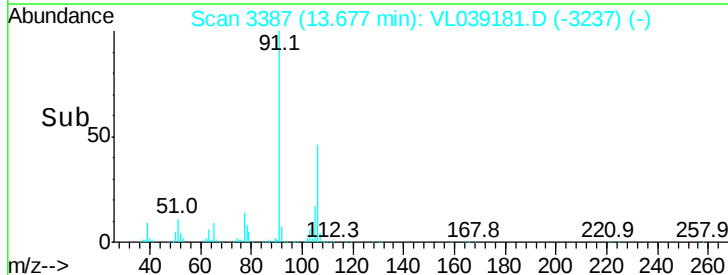
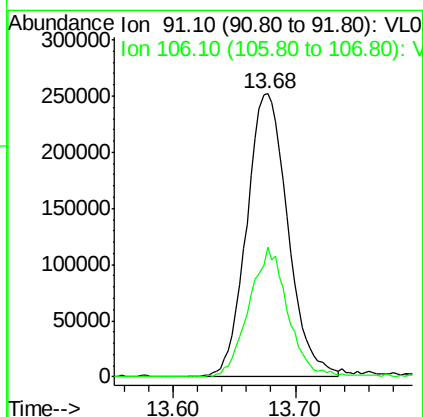
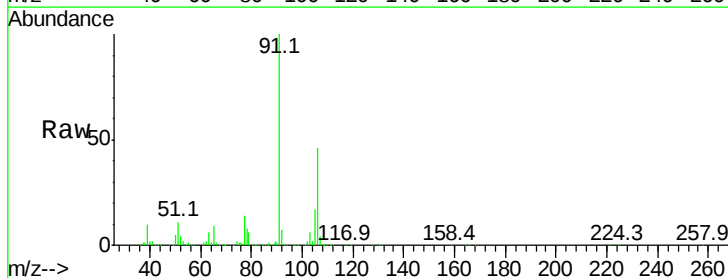
#59
m/p-Xylene
Concen: 4.24 ppbv
RT: 12.95
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 6 Jun 2022 11:37

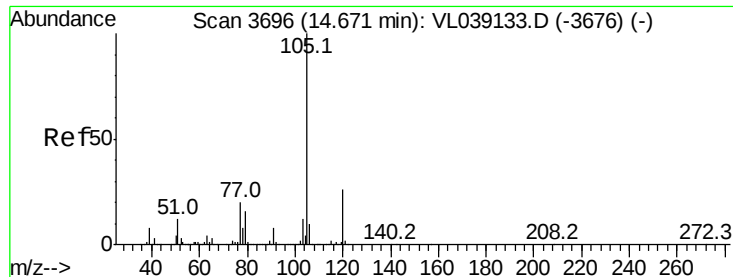
Tgt Ion: 91 Resp: 1650708
Ion Ratio Lower Upper
91 100
106 47.6 34.3 51.5



#60
o-Xylene
Concen: 1.60 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL039181.D
Acq: 6 Jun 2022 11:37

Tgt Ion: 91 Resp: 586177
Ion Ratio Lower Upper
91 100
106 43.4 22.3 66.9





#62

Isopropylbenzene

Concen: 0.06 ppbv

RT: 14.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

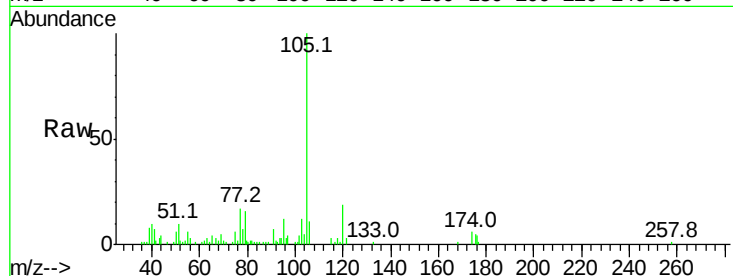
Acq: 6 Jun 2022 11:37

Tgt Ion:105 Resp: 30153

Ion Ratio Lower Upper

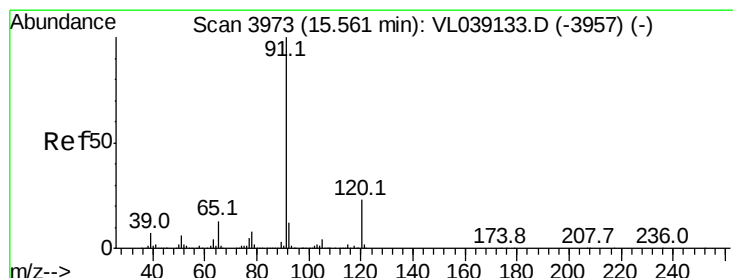
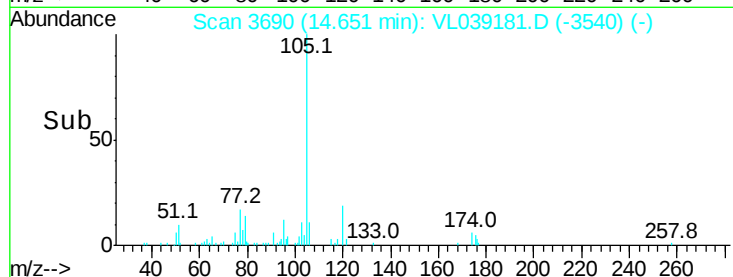
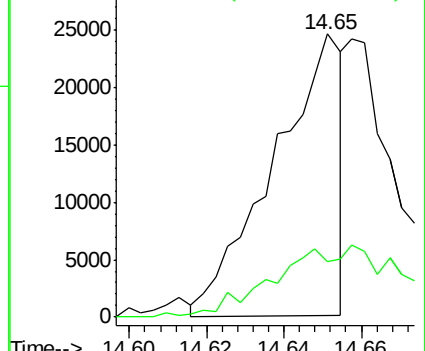
105 100

120 0.0 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.22 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.02 min

Lab File: VL039181.D

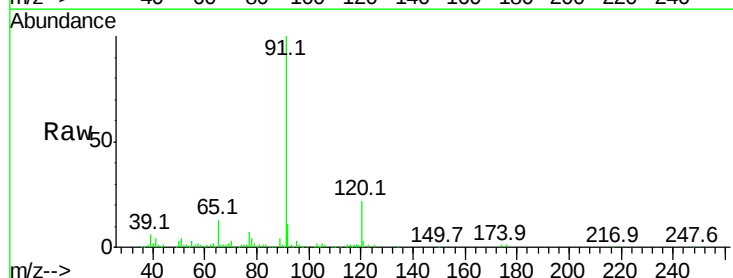
Acq: 6 Jun 2022 11:37

Tgt Ion:120 Resp: 29165

Ion Ratio Lower Upper

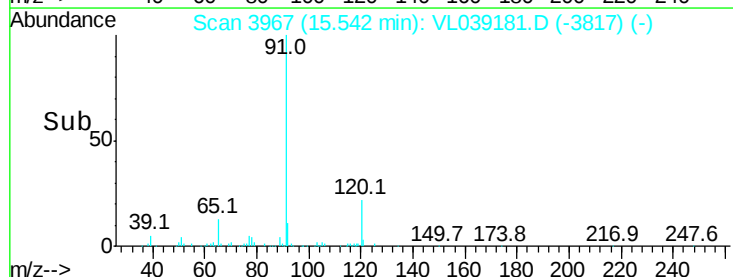
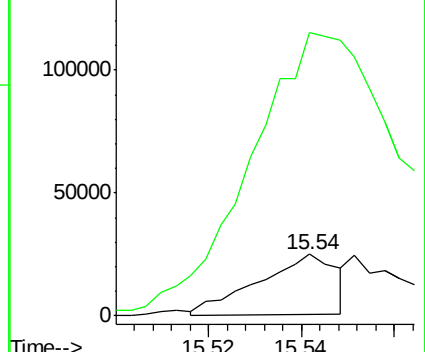
120 100

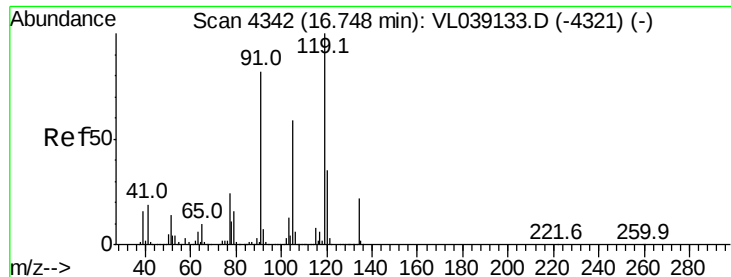
91 949.7 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.26 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 11:37

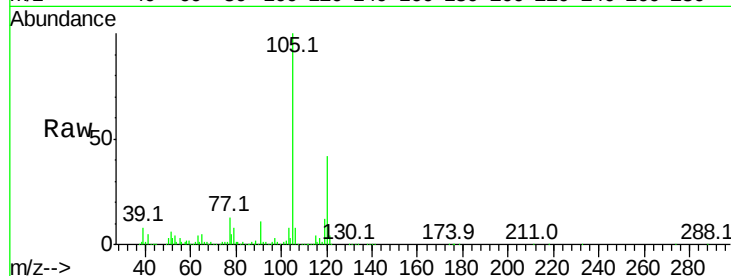
Tgt Ion: 119 Resp: 126742

Ion Ratio Lower Upper

119 100

91 107.8 67.1 100.7#

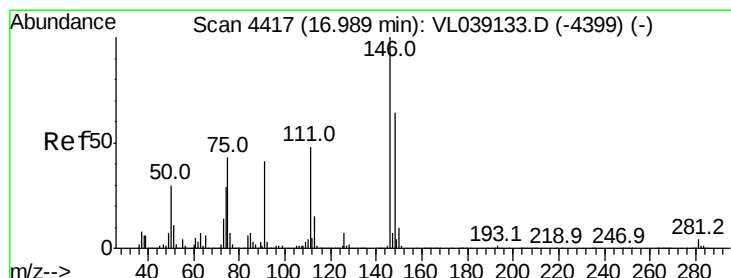
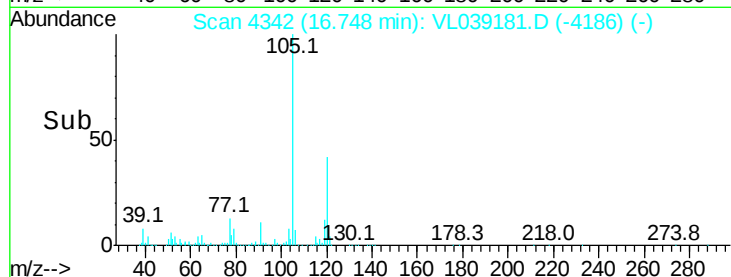
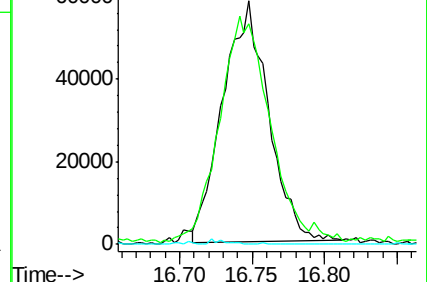
134 0.0 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.06 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.19 min

Lab File: VL039181.D

Acq: 6 Jun 2022 11:37

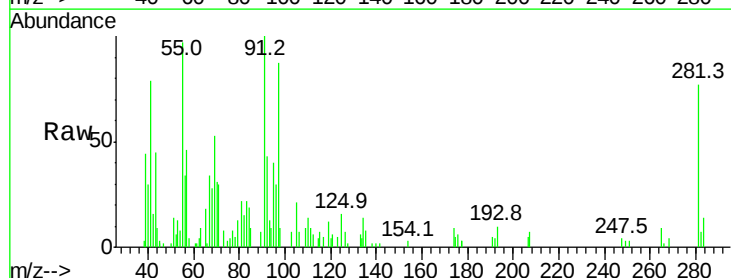
Tgt Ion: 91 Resp: 3908

Ion Ratio Lower Upper

91 100

126 25.8 13.4 20.0#

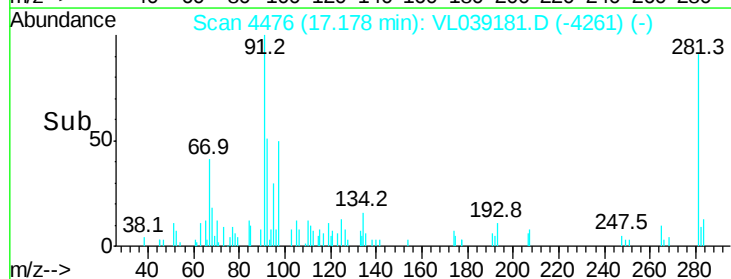
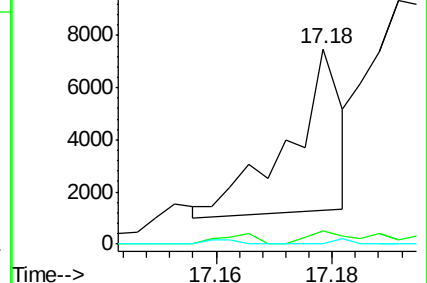
128 5.0 4.1 6.1

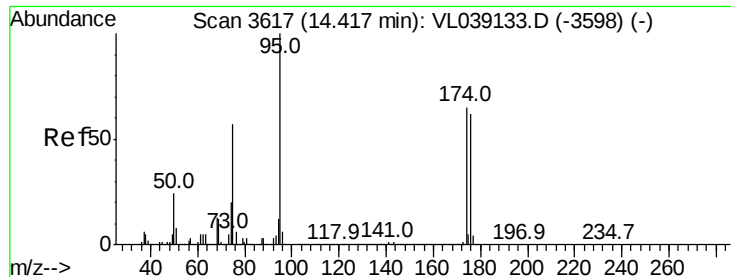


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

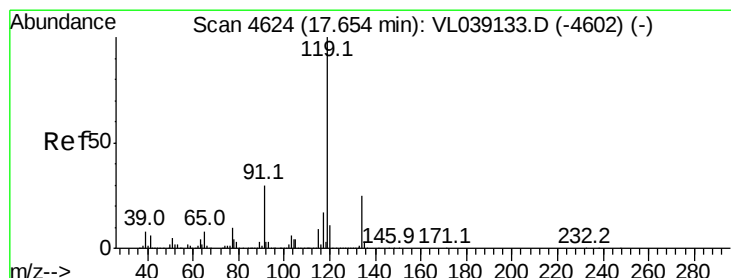
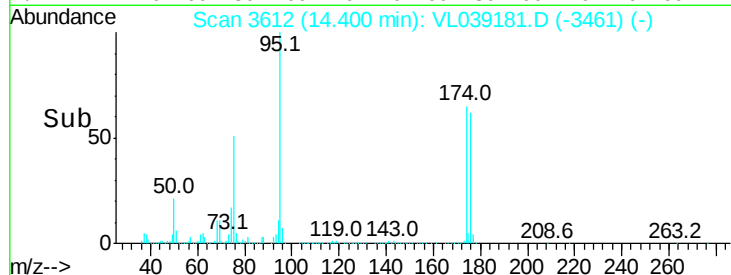
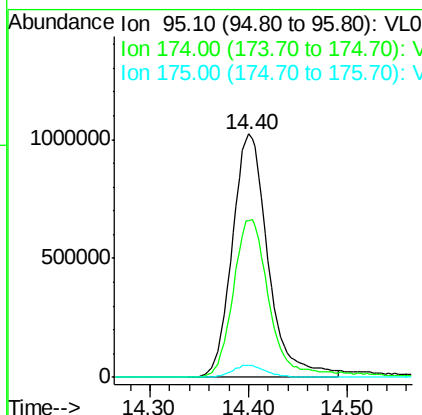
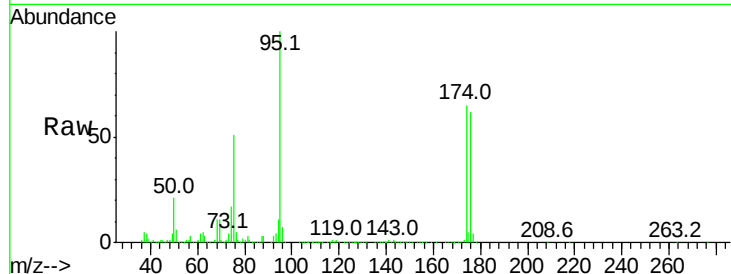




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.74 ppbv
 RT: 14.40 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : SG-3
 Acq: 6 Jun 2022 11:37

Tgt Ion: 95 Resp: 2583526

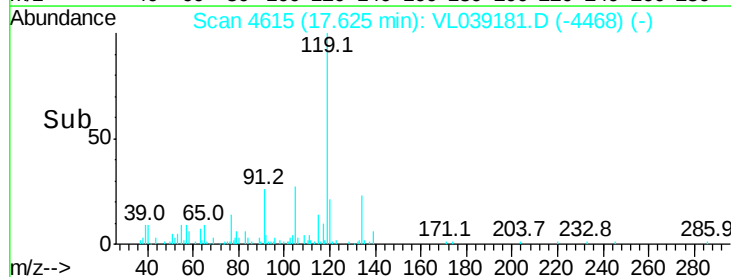
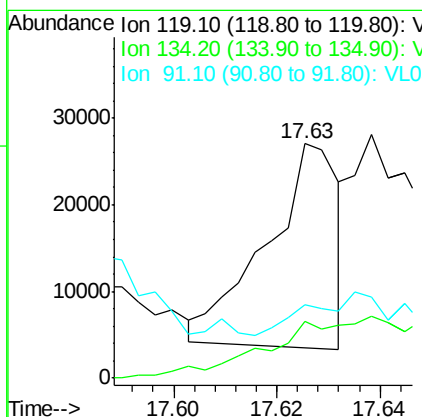
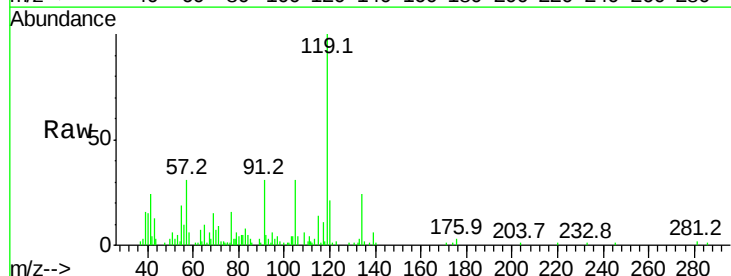
Ion	Ratio	Lower	Upper
95	100		
174	67.9	53.8	80.8
175	4.8	4.1	6.1

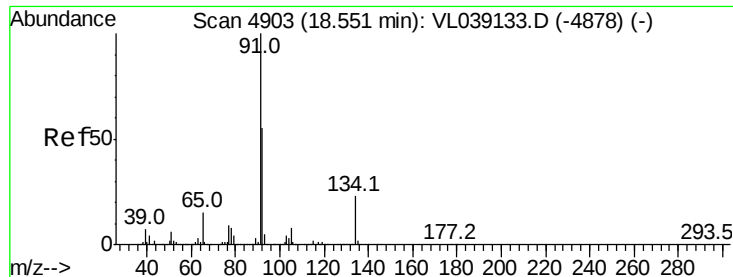


#69
 p-Isopropyltoluene
 Concen: 0.04 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T.: -0.03 min
 Lab File: VL039181.D
 Acq: 6 Jun 2022 11:37

Tgt Ion: 119 Resp: 22611

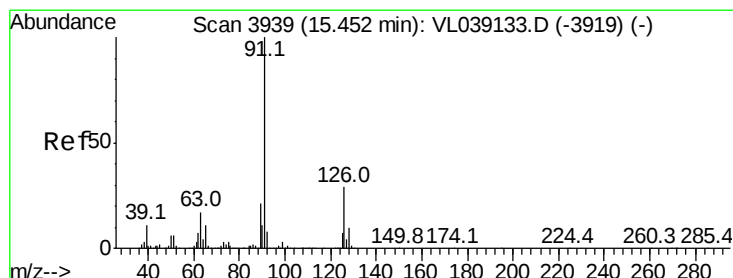
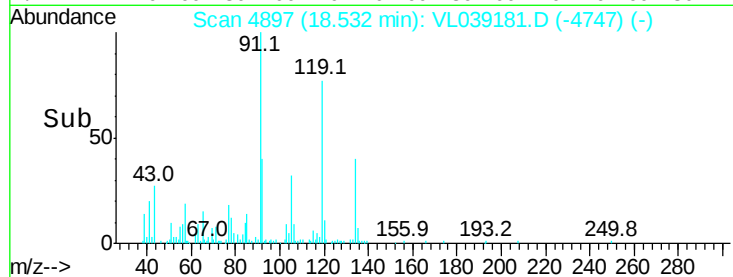
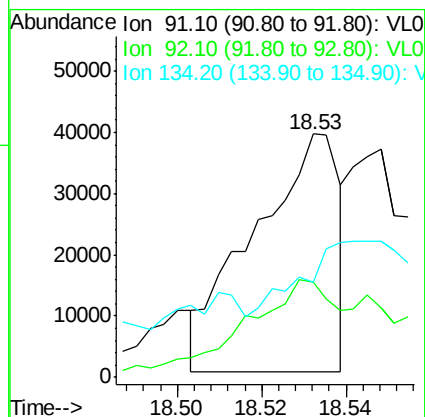
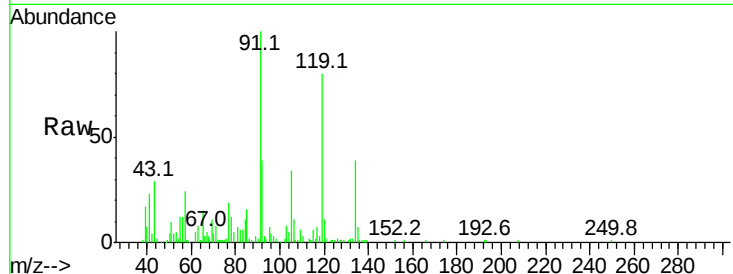
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.4	30.6#
91	0.0	24.2	36.4#





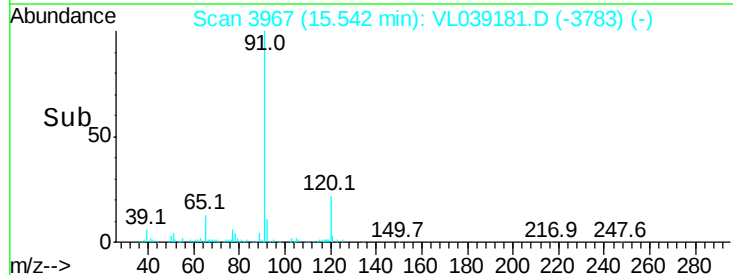
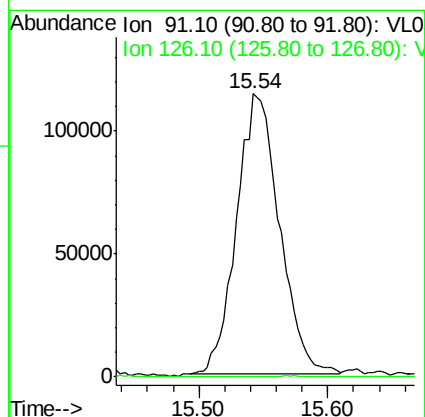
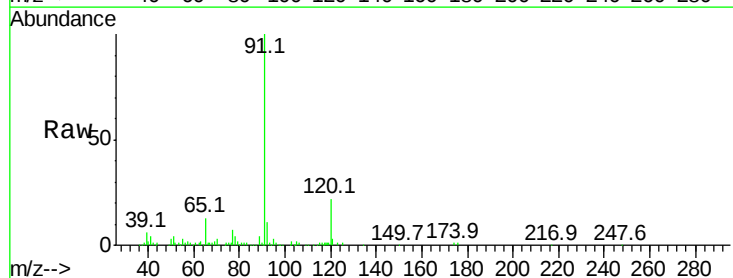
#70
n-Butylbenzene
Concen: 0.09 ppbv
RT: 18.53 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : SG-3
Acq: 6 Jun 2022 11:37

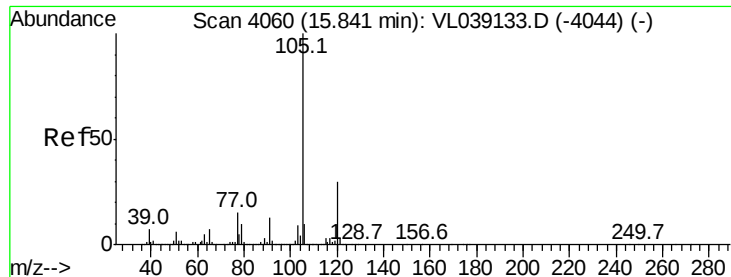
Tgt Ion: 91 Resp: 54898
Ion Ratio Lower Upper
91 100
92 75.6 43.6 65.4#
134 0.0 17.7 26.5#



#71
2-Chlorotoluene
Concen: 0.64 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. 0.09 min
Lab File: VL039181.D
Acq: 6 Jun 2022 11:37

Tgt Ion: 91 Resp: 263666
Ion Ratio Lower Upper
91 100
126 0.4 12.2 48.6#





#72

4-Ethyltoluene

Concen: 0.86 ppbv

RT: 15.82

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 6 Jun 2022 11:37

Tgt Ion:105 Resp: 369078

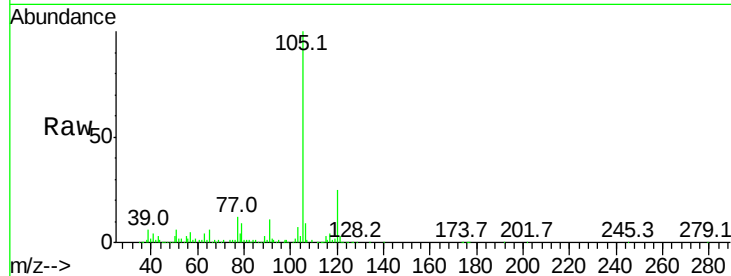
Ion Ratio Lower Upper

105 100

120 30.5 23.9 35.9

91 13.4 10.6 16.0

77 13.6 11.7 17.5

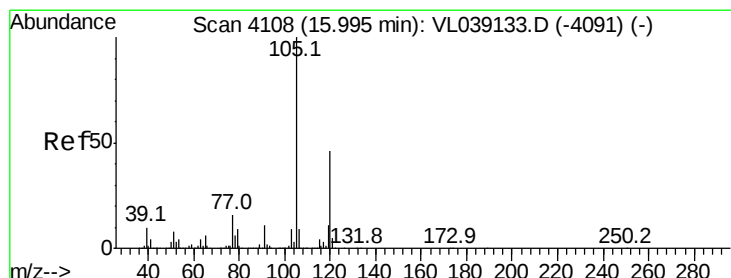
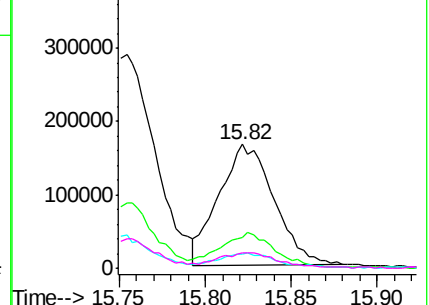
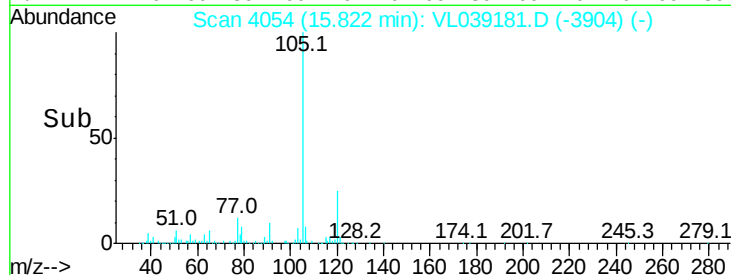


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.74 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.02 min

Lab File: VL039181.D

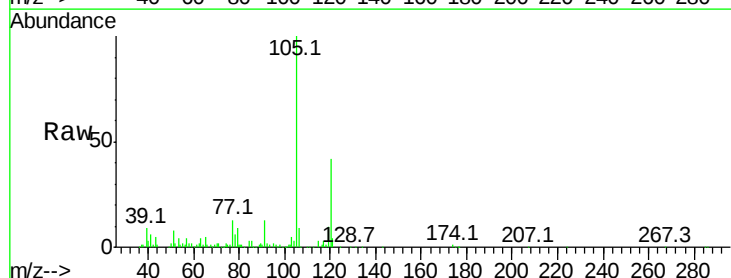
Acq: 6 Jun 2022 11:37

Tgt Ion:105 Resp: 285658

Ion Ratio Lower Upper

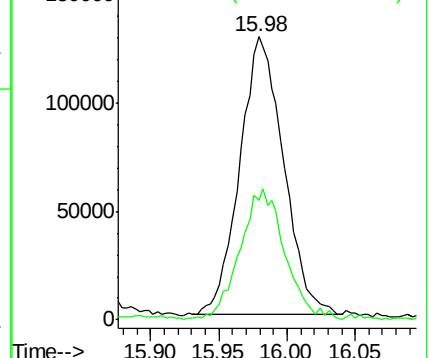
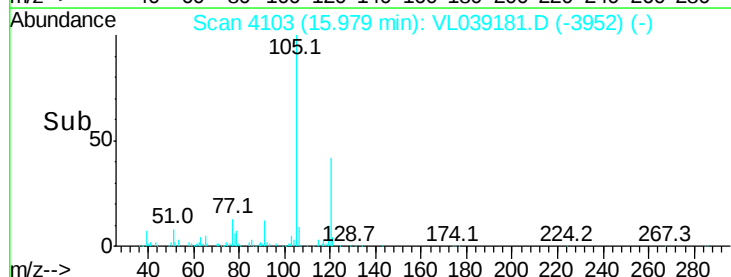
105 100

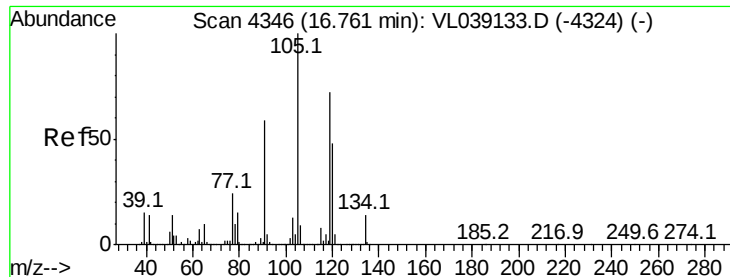
120 42.8 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 2.66 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 11:37

Tgt Ion:105 Resp: 1147194

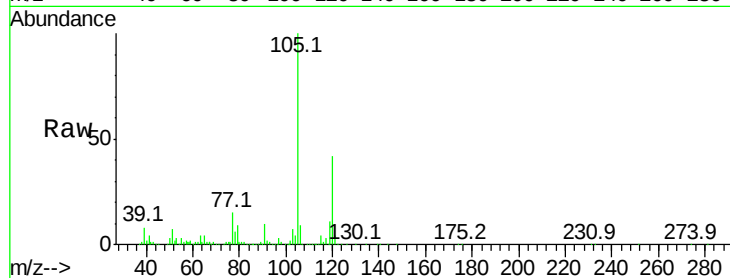
Ion Ratio Lower Upper

105 100

120 42.0 38.1 57.1

91 10.4 47.4 71.0#

77 15.1 19.5 29.3#

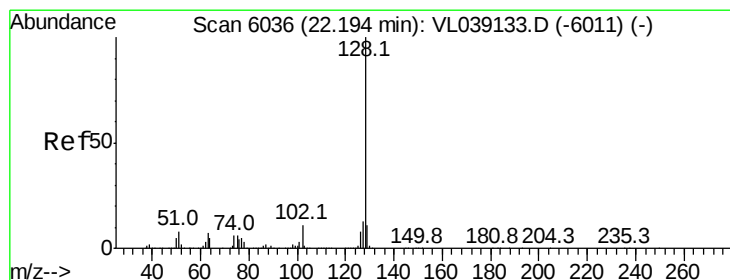
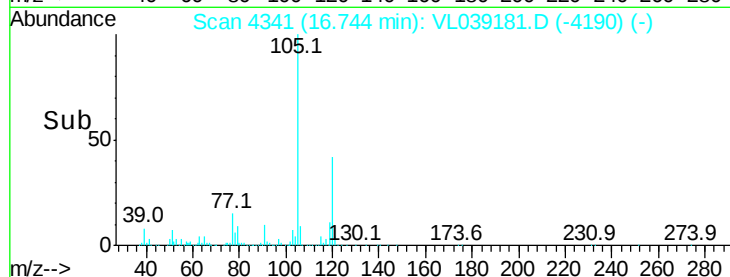
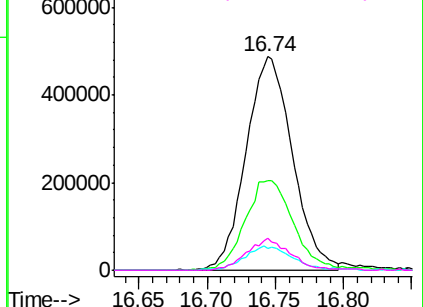


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.34 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.02 min

Lab File: VL039181.D

Acq: 6 Jun 2022 11:37

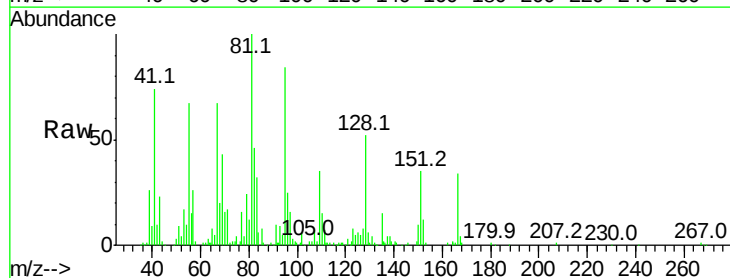
Tgt Ion:128 Resp: 114287

Ion Ratio Lower Upper

128 100

127 14.6 10.4 15.6

129 11.8 9.0 13.6



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

