

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
 Data File : VL039324.D
 Acq On : 22 Jun 2022 17:40
 Operator : SY/AP
 Sample : N3214-14 L00 0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

Quant Time: Jun 23 07:27:12 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	1157864	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3379177	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3006884	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2234889	8.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	30009	0.148 ppbv	92
4) Chloromethane	3.14	50	6557	0.087 ppbv #	85
5) Vinyl Chloride	3.26	62	5141	0.073 ppbv #	85
6) Bromomethane	3.47	94	2205	0.063 ppbv #	66
7) Chloroethane	3.56	64	1547	0.063 ppbv #	89
8) Dichlorotetrafluoroethane	3.19	85	22061	0.119 ppbv #	80
9) Propene	3.02	41	3565	0.055 ppbv #	1
10) Heptane	8.11	43	5683	0.038 ppbv #	1
11) Trichlorofluoromethane	3.95	101	11201	0.061 ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.49	101	18204	0.150 ppbv	94
13) Ethanol	3.60	45	166	0.047 ppbv #	100
14) Bromoethene	3.74	108	5823	0.106 ppbv #	74
15) Acetone	3.87	43	10051	0.083 ppbv #	47
16) 1,3-Butadiene	3.33	39	2313	0.036 ppbv #	1
18) 1,1-Dichloroethene	4.29	96	2159	0.040 ppbv #	33
20) Methylene Chloride	4.35	84	10366	0.204 ppbv #	80
21) Allyl Chloride	4.41	41	5868	0.072 ppbv #	1
22) trans-1,2-Dichloroethene	4.88	96	3879	0.074 ppbv #	65
24) 1,1-Dichloroethane	5.01	63	14961	0.109 ppbv #	95
25) Ethyl Acetate	5.69	43	13617	0.050 ppbv #	63
26) Hexane	5.69	57	3649	0.031 ppbv #	1
28) Methyl tert-Butyl Ether	5.05	73	7376	0.056 ppbv #	52
29) Chloroform	5.75	83	20680	0.103 ppbv	89
32) 1,1,1-Trichloroethane	6.51	97	8864	0.045 ppbv #	1
35) Carbon Tetrachloride	7.01	117	10097	0.041 ppbv #	91
36) Benzene	6.89	78	26527	0.097 ppbv	99
38) Trichloroethene	7.83	130	8790	0.070 ppbv #	53
39) 1,2-Dichloropropane	7.17	63	820780	7.522 ppbv #	24
43) Methyl Methacrylate	8.03	69	6518	0.061 ppbv #	52
44) 2,2,4-Trimethylpentane	7.86	57	23488	0.049 ppbv #	38
47) 1,1,2-Trichloroethane	9.47	97	6889	0.061 ppbv #	75
48) Dibromochloromethane	10.29	129	8067	0.040 ppbv #	35
52) Tetrachloroethene	11.22	164	7299	0.068 ppbv #	59
53) Toluene	9.80	91	15196	0.048 ppbv #	19
56) 1,1,1,2-Tetrachloroethane	12.11	131	5220	0.037 ppbv #	8
57) Chlorobenzene	12.14	112	7929	0.035 ppbv #	63
60) o-Xylene	13.68	91	14084	0.041 ppbv #	31
62) Isopropylbenzene	14.66	105	34287	0.067 ppbv #	80
63) 1,1,2,2-Tetrachloroethane	13.67	83	8066	0.042 ppbv #	1
67) sec-Butylbenzene	17.29	105	31883	0.050 ppbv #	70
71) 2-Chlorotoluene	15.44	91	13905	0.036 ppbv #	44

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QLast Update : Wed Jun 01 01:22:18 2022
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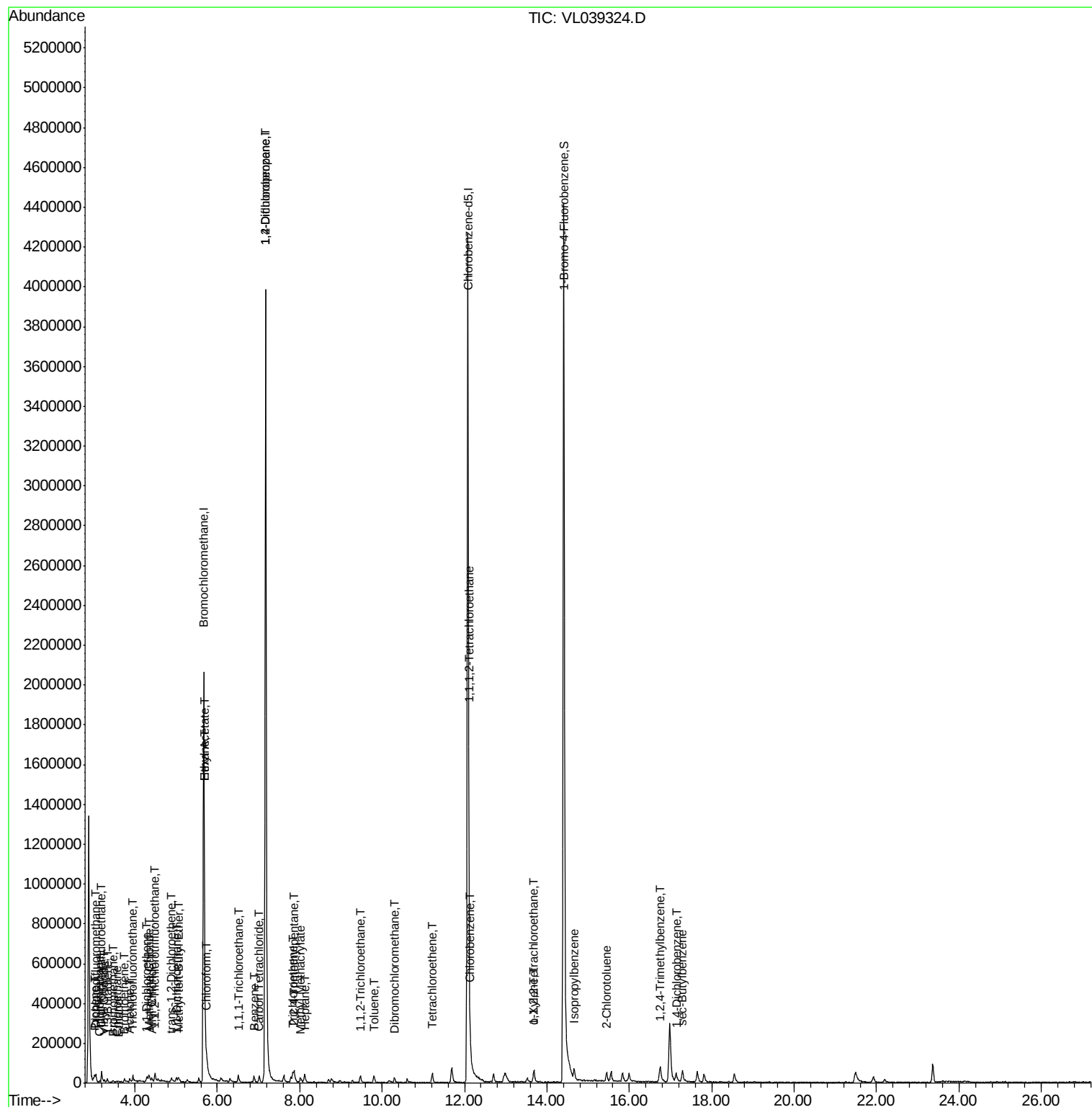
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.75	105	14828	0.037	ppbv #	79
76) 1,4-Dichlorobenzene	17.13	146	16469	0.072	ppbv	71

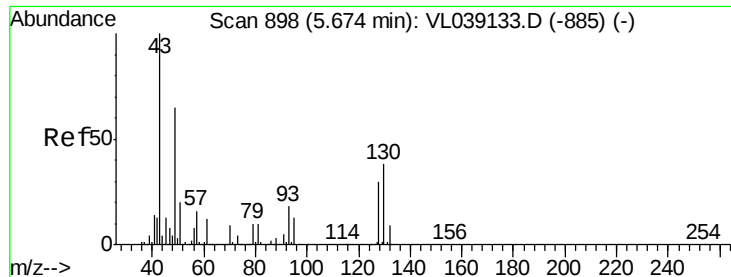
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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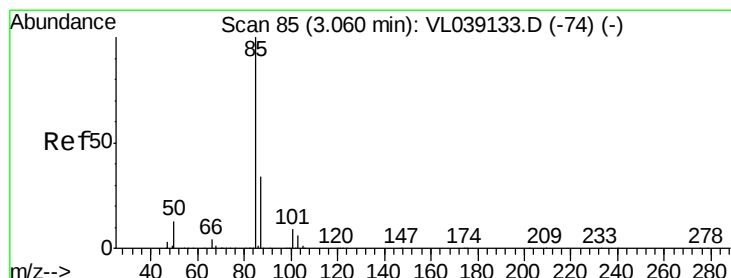
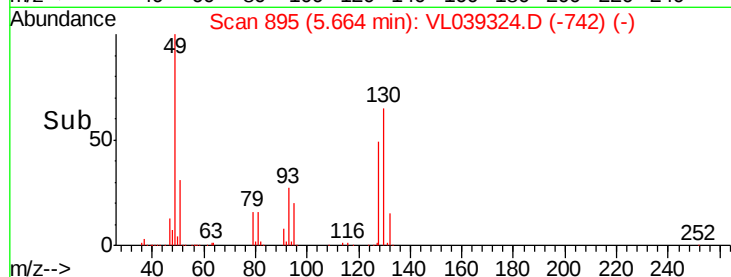
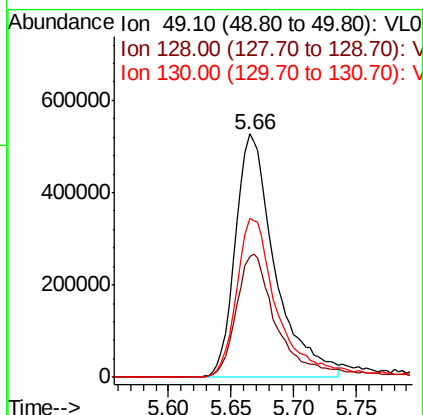
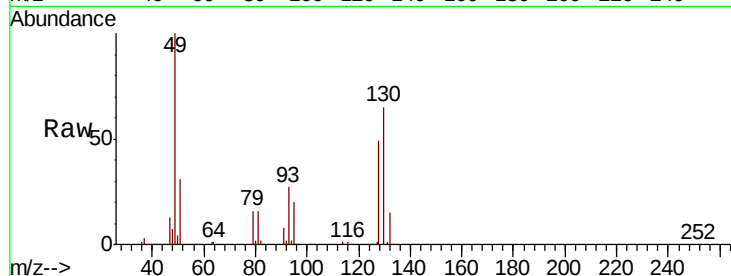
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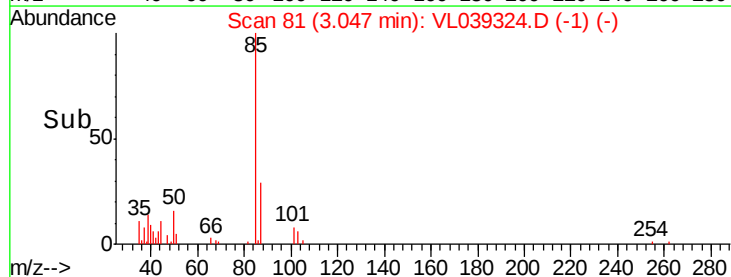
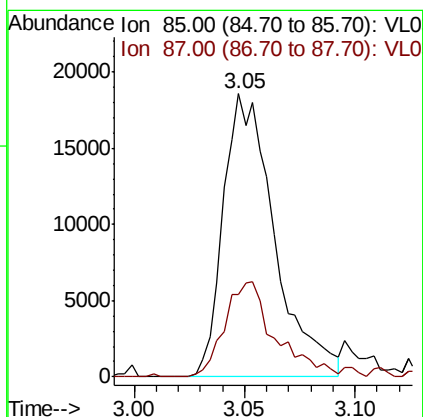
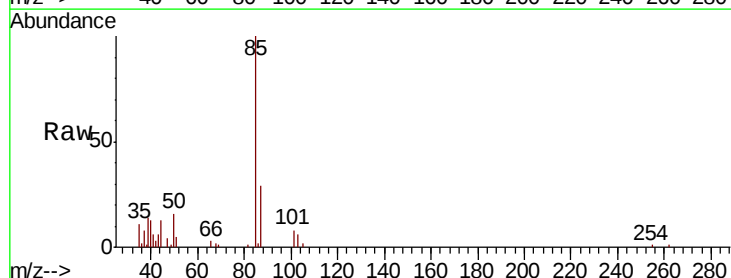
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 22 Jun 2022 17:40

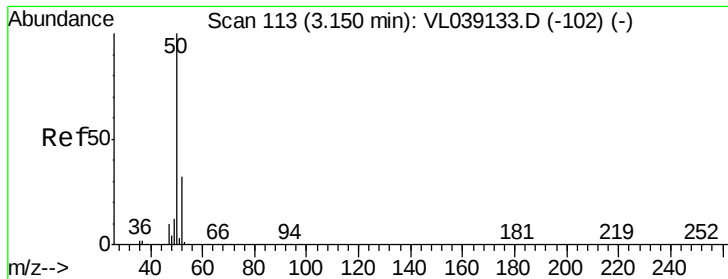
Tot Ion: 49 Resp: 1157864
 Ion Ratio Lower Upper
 49 100
 128 54.8 24.7 74.1
 130 70.1 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.148 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T.: -0.01 min
 Lab File: VL039324.D
 Acq: 22 Jun 2022 17:40

Tgt Ion: 85 Resp: 30009
 Ion Ratio Lower Upper
 85 100
 87 29.1 26.9 40.3





#4

Chloromethane

Concen: 0.087 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

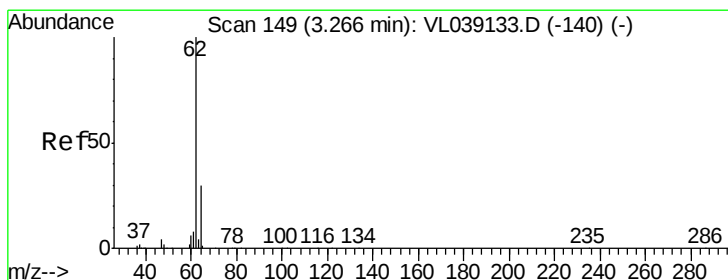
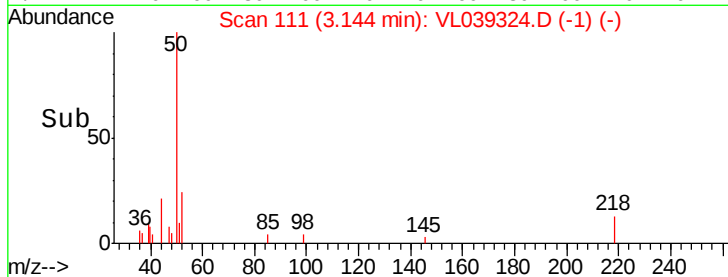
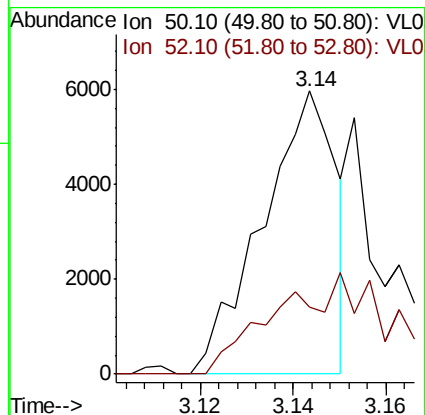
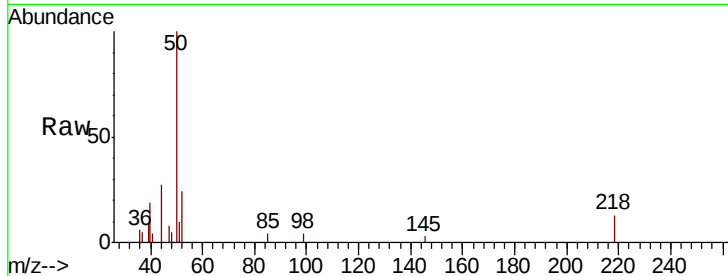
Acq: 22 Jun 2022 17:40

Tot Ion: 50 Resp: 6557

Ion Ratio Lower Upper

50 100

52 23.8 25.9 38.9#



#5

Vinyl Chloride

Concen: 0.073 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.01 min

Lab File: VL039324.D

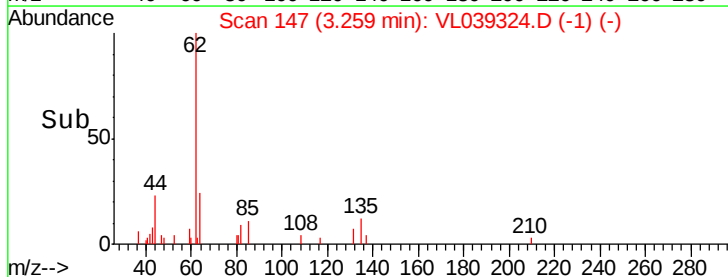
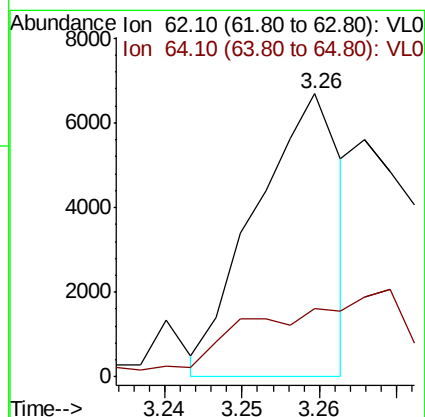
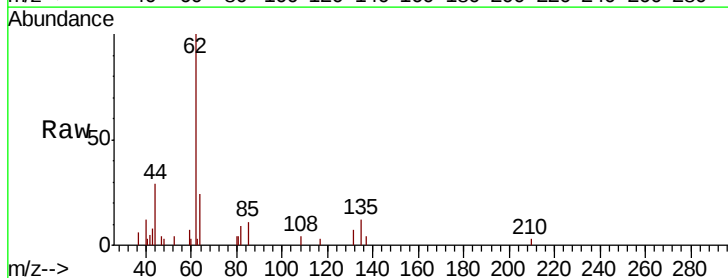
Acq: 22 Jun 2022 17:40

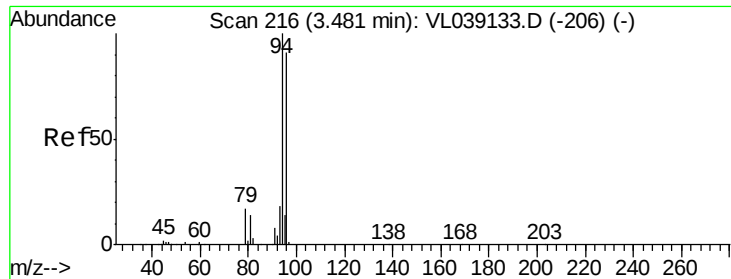
Tgt Ion: 62 Resp: 5141

Ion Ratio Lower Upper

62 100

64 21.9 24.2 36.2#





#6

Bromomethane

Concen: 0.063 ppbv

RT: 3.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

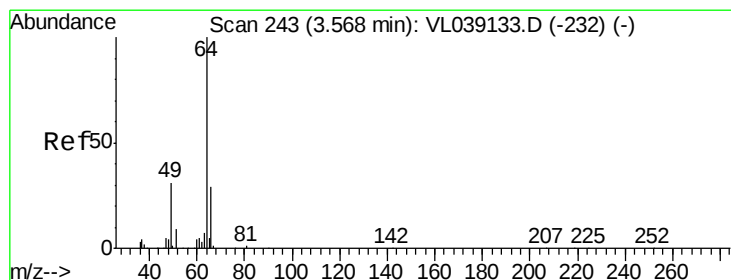
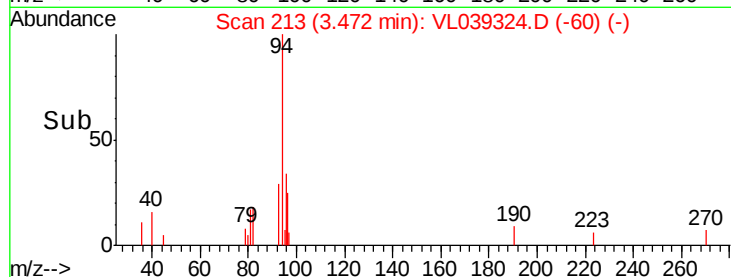
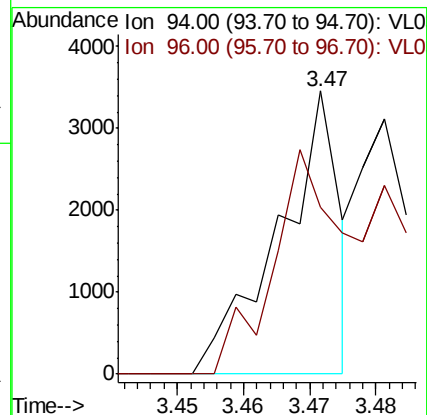
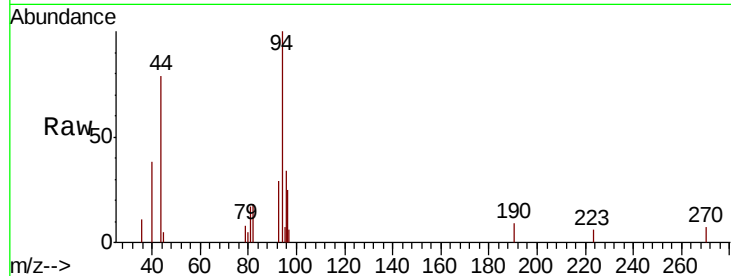
Acq: 22 Jun 2022 17:40

Tot Ion: 94 Resp: 2205

Ion Ratio Lower Upper

94 100

96 58.8 73.0 109.4#



#7

Chloroethane

Concen: 0.063 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL039324.D

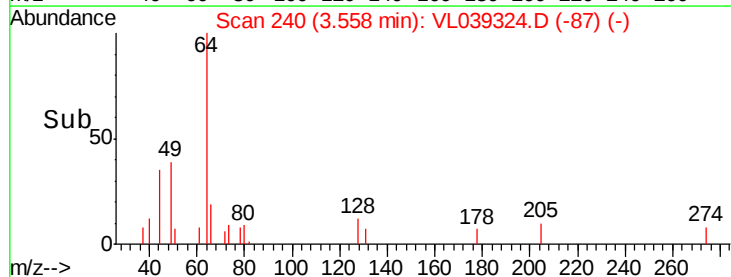
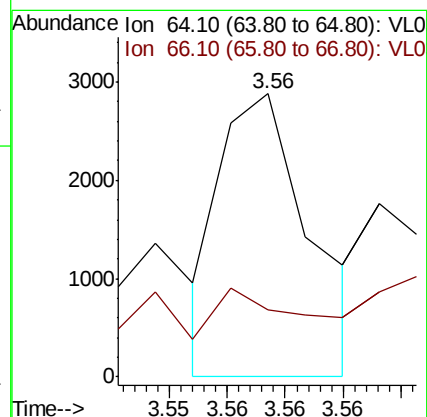
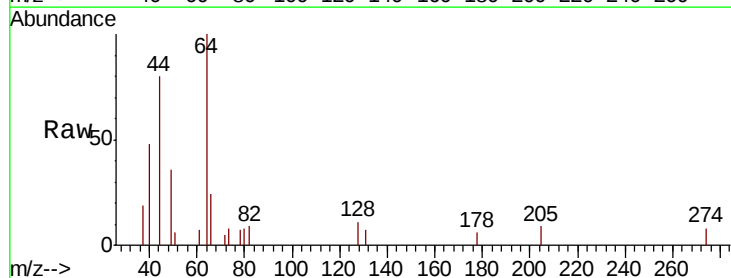
Acq: 22 Jun 2022 17:40

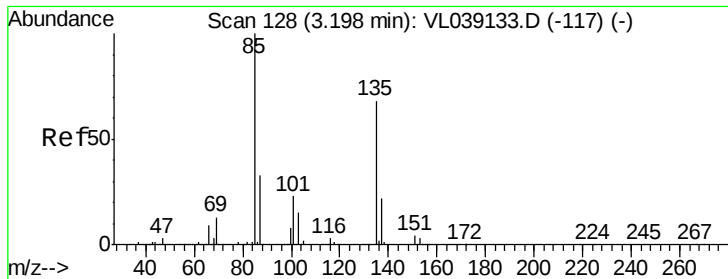
Tgt Ion: 64 Resp: 1547

Ion Ratio Lower Upper

64 100

66 23.5 23.6 35.4#





#8

Dichlorotetrafluoroethane

Concen: 0.119 ppbv

RT: 3.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

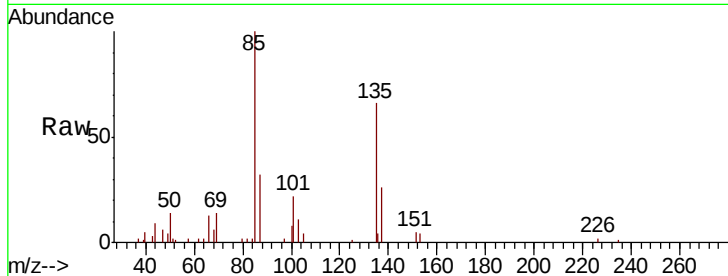
Acq: 22 Jun 2022 17:40

Tot Ion: 85 Resp: 22061

Ion Ratio Lower Upper

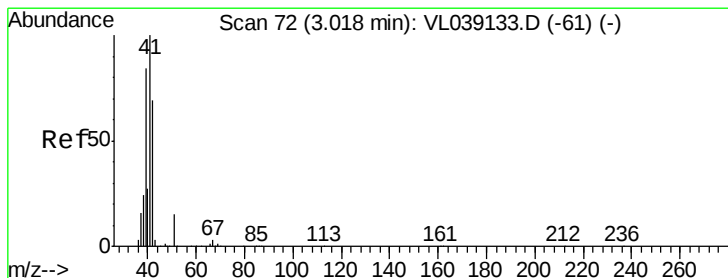
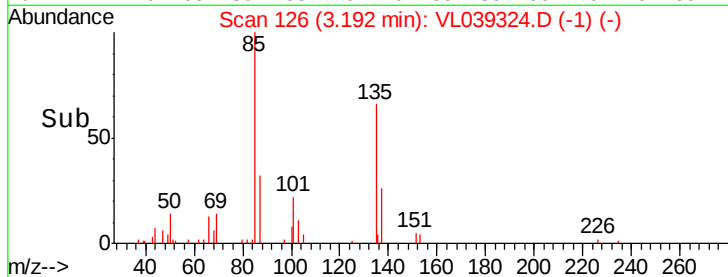
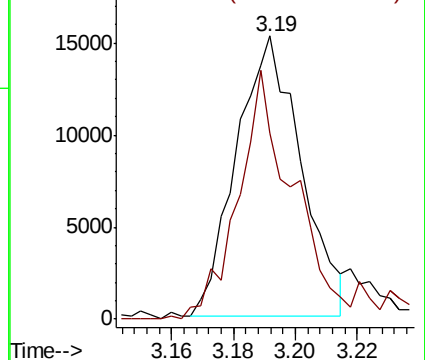
85 100

135 85.2 55.0 82.4#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.055 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL039324.D

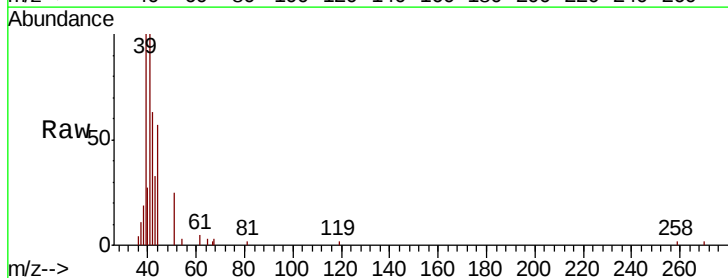
Acq: 22 Jun 2022 17:40

Tgt Ion: 41 Resp: 3565

Ion Ratio Lower Upper

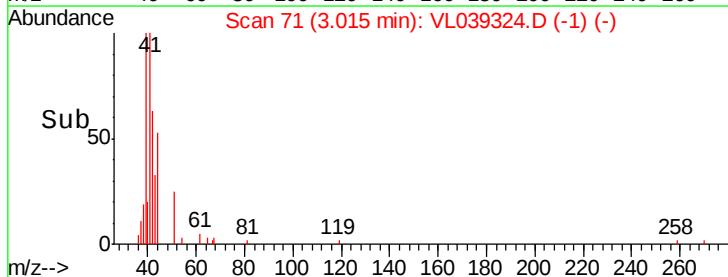
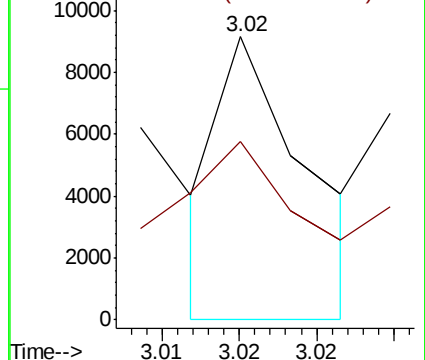
41 100

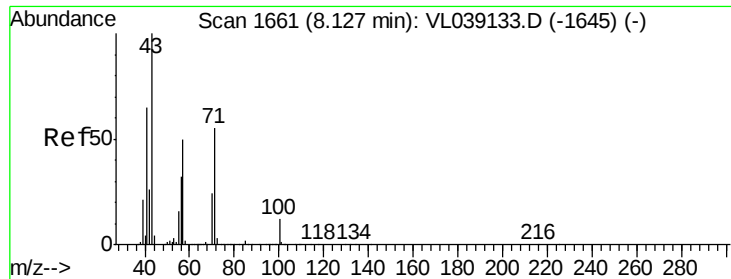
42 246.8 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

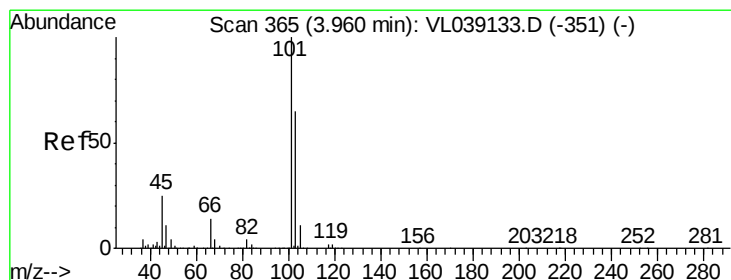
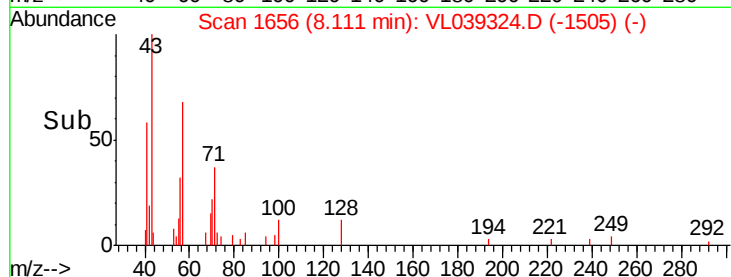
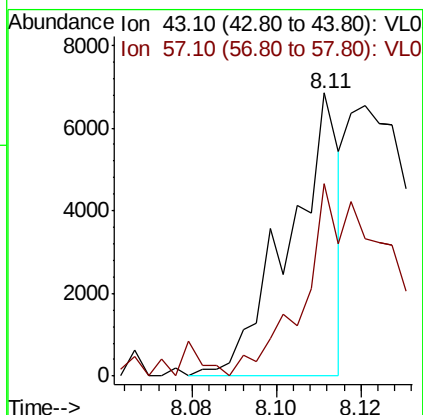
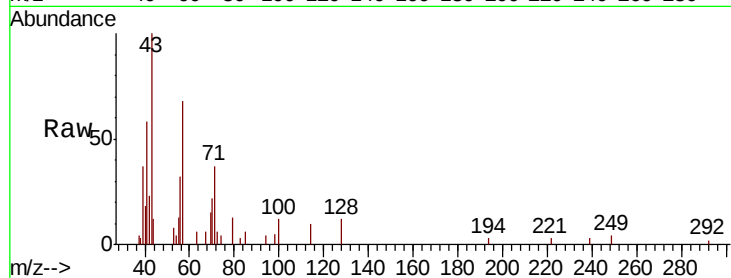
Ion 42.10 (41.80 to 42.80): VL0





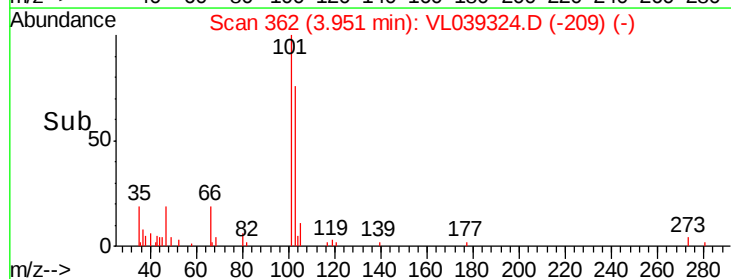
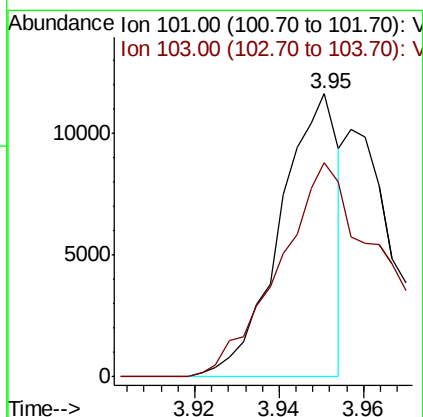
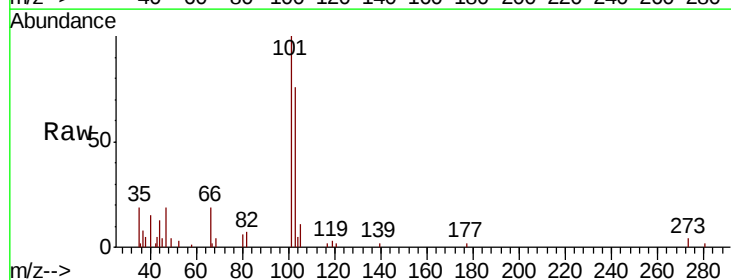
#10
 Heptane
 Concen: 0.038 ppbv
 RT: 8.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
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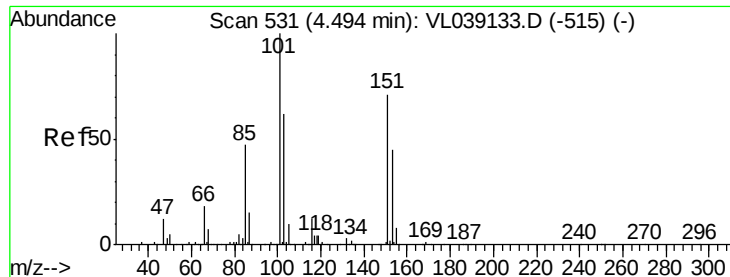
Tot Ion: 43 Resp: 5683
 Ion Ratio Lower Upper
 43 100
 57 160.8 41.4 62.2#



#11
 Trichlorofluoromethane
 Concen: 0.061 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL039324.D
 Acq: 22 Jun 2022 17:40

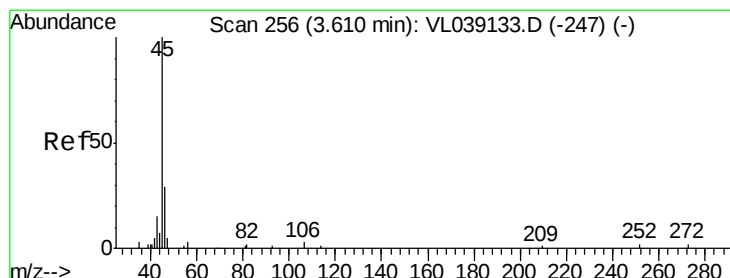
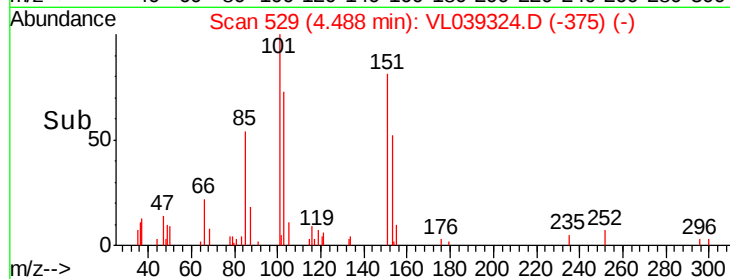
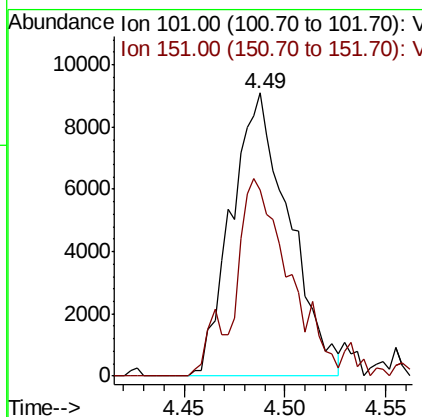
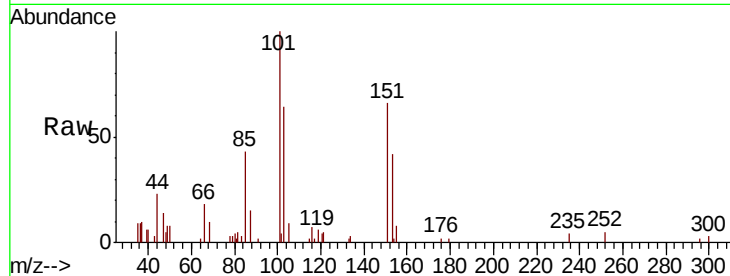
Tgt Ion:101 Resp: 11201
 Ion Ratio Lower Upper
 101 100
 103 75.7 51.7 77.5





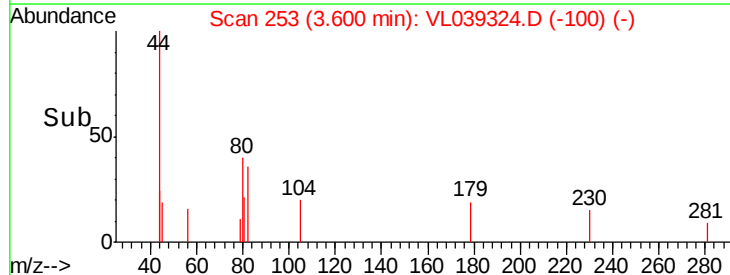
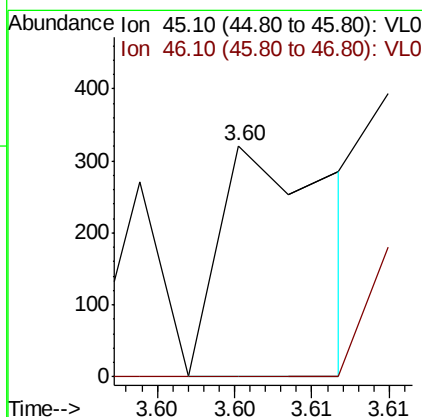
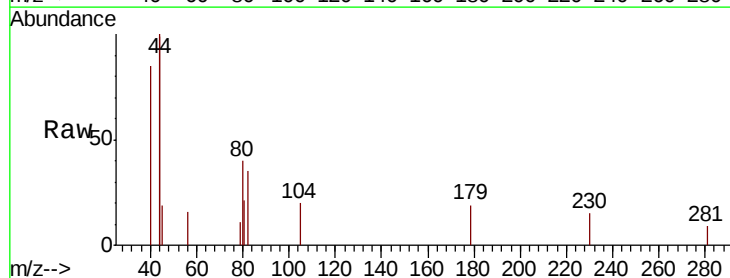
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.150 ppbv
 RT: 4.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Jun 2022 17:40

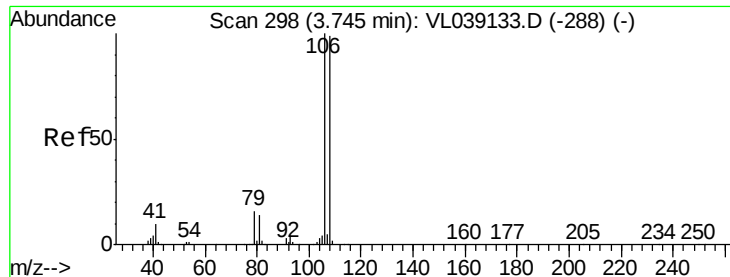
Tot Ion: 101 Resp: 18204
 Ion Ratio Lower Upper
 101 100
 151 68.7 59.4 89.0



#13
 Ethanol
 Concen: 0.047 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VL039324.D
 Acq: 22 Jun 2022 17:40

Tgt Ion: 45 Resp: 166
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 0.0





#14

Bromoethene

Concen: 0.106 ppbv

RT: 3.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 17:40 LOQ-AIR-02-OT2-2022

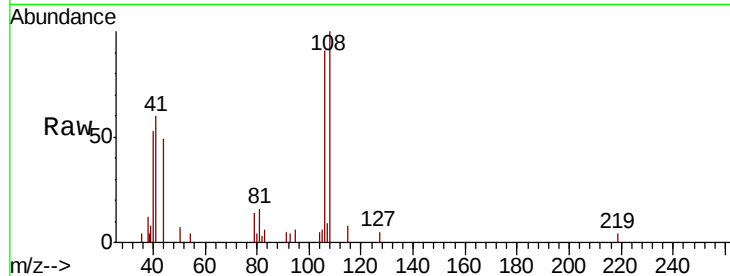
Tot Ion: 108 Resp: 5823

Ion Ratio Lower Upper

108 100

106 137.2 88.4 132.6#

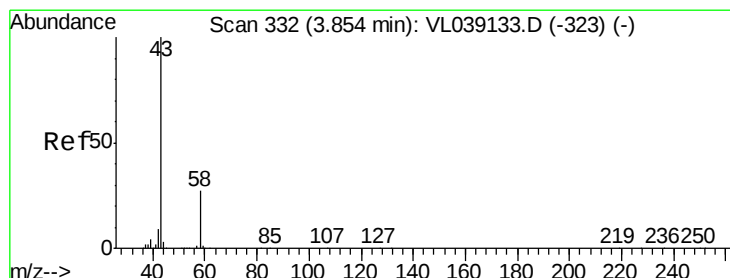
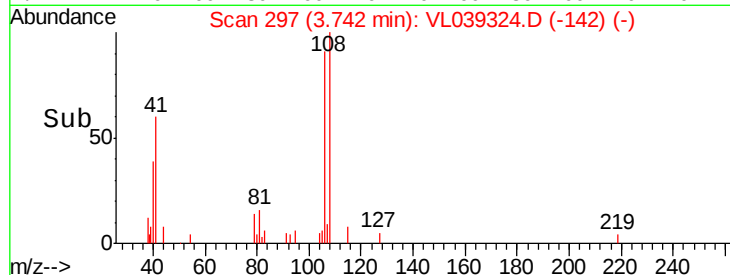
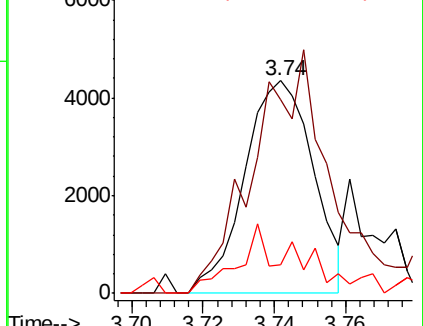
79 32.0 13.4 20.2#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#15

Acetone

Concen: 0.083 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL039324.D

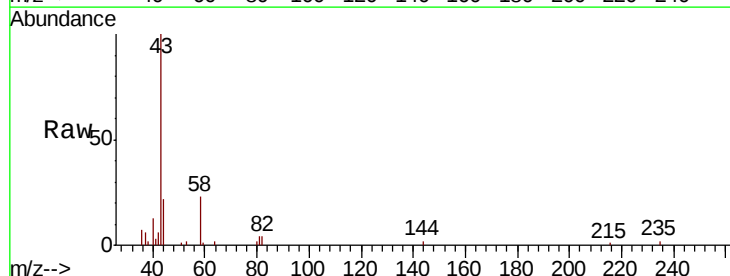
Acq: 22 Jun 2022 17:40

Tgt Ion: 43 Resp: 10051

Ion Ratio Lower Upper

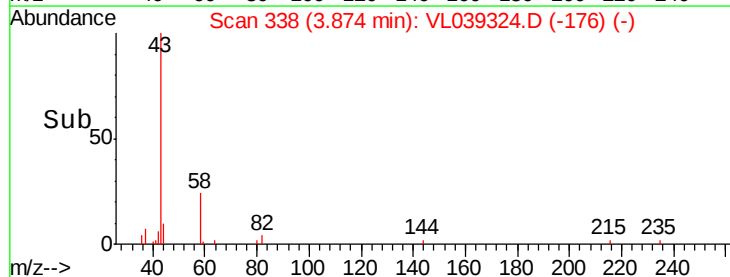
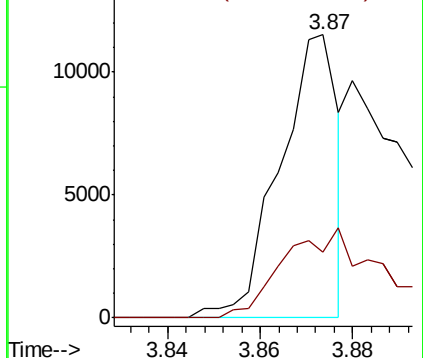
43 100

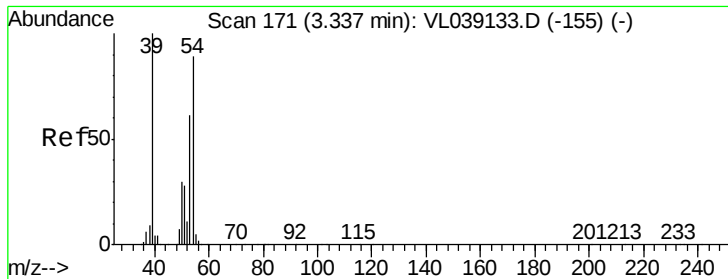
58 0.0 22.5 33.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#16

1,3-Butadiene

Concen: 0.036 ppbv

RT: 3.33 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

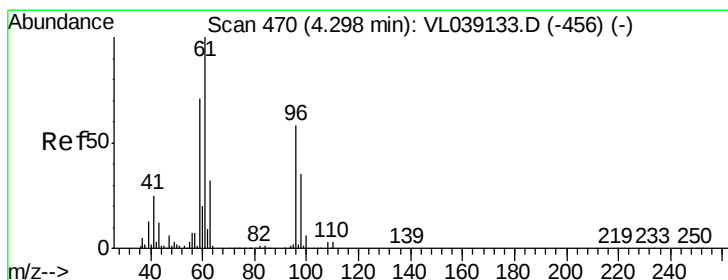
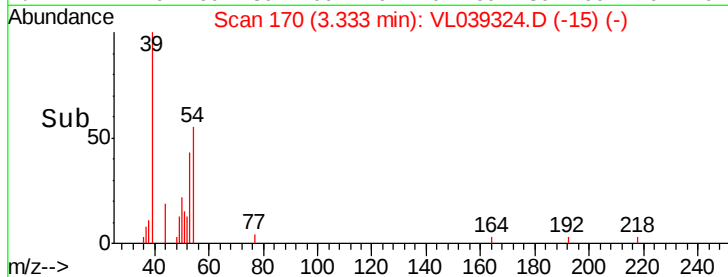
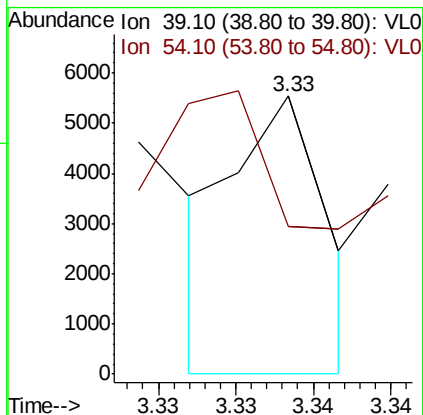
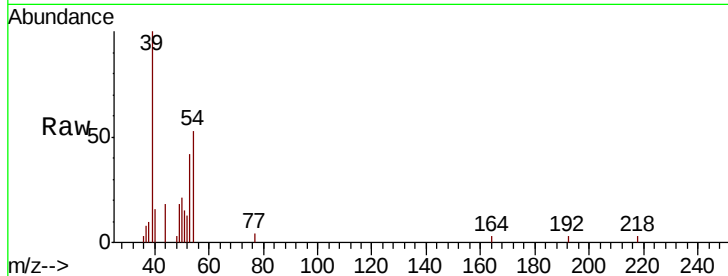
Acq: 22 Jun 2022 17:40

Tot Ion: 39 Resp: 2313

Ion Ratio Lower Upper

39 100

54 327.5 65.8 98.6#



#18

1,1-Dichloroethene

Concen: 0.040 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL039324.D

Acq: 22 Jun 2022 17:40

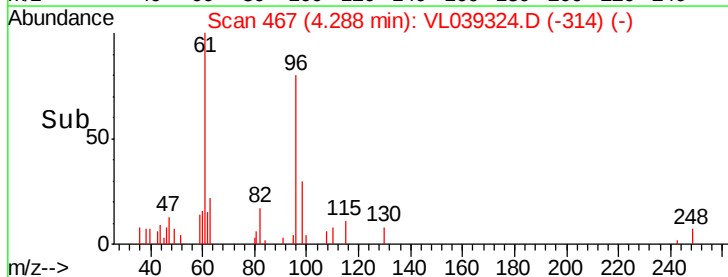
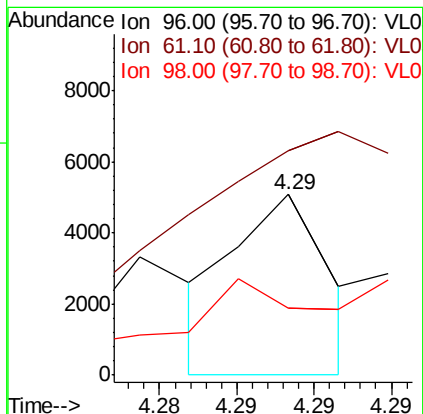
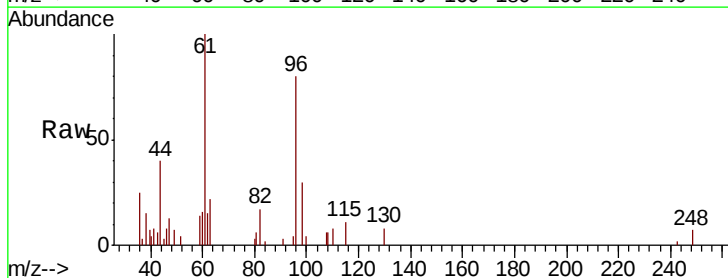
Tgt Ion: 96 Resp: 2159

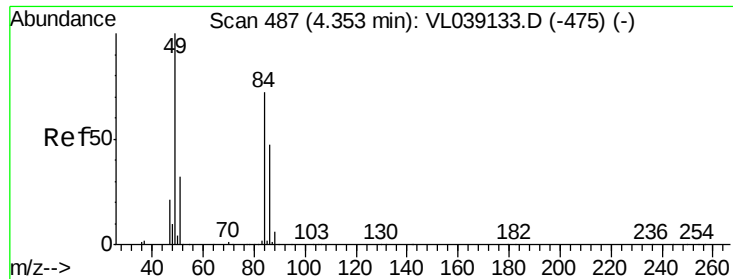
Ion Ratio Lower Upper

96 100

61 69.5 138.4 207.6#

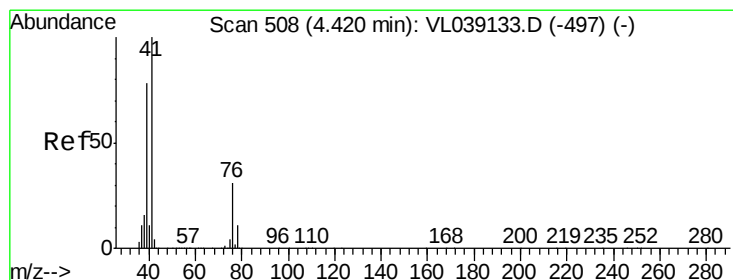
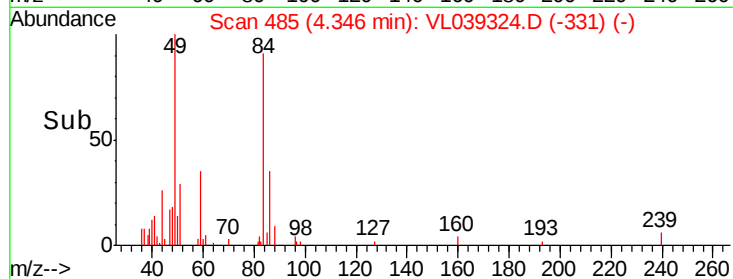
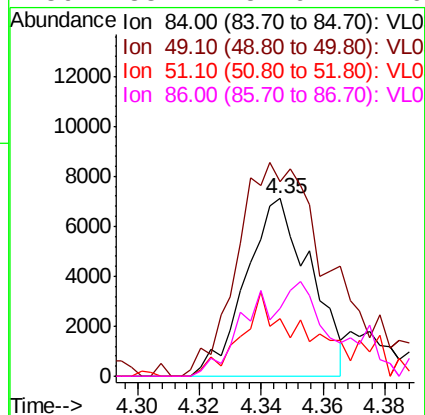
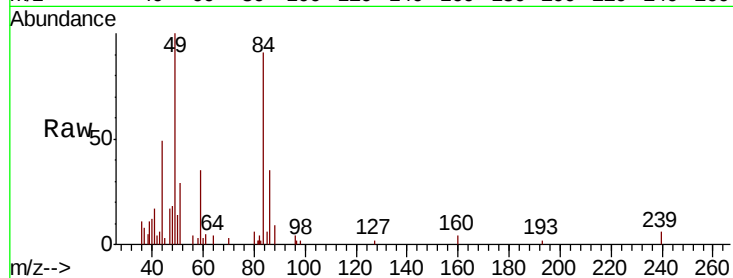
98 26.4 47.8 71.8#





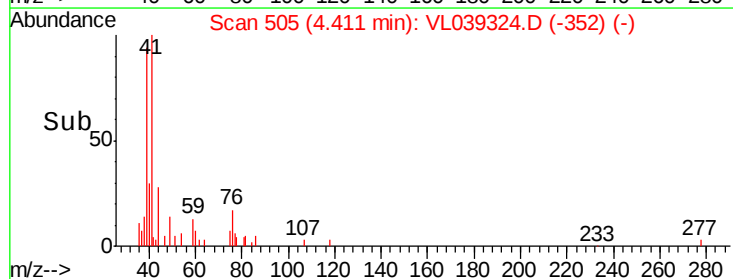
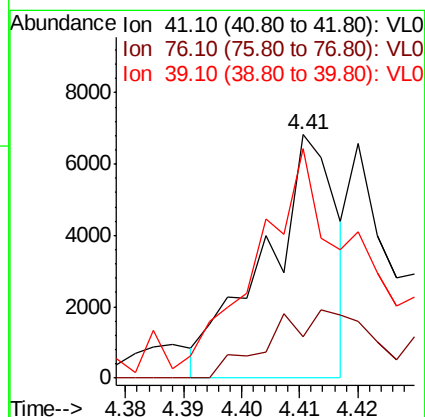
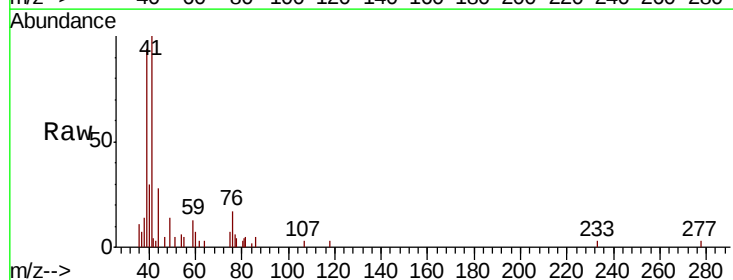
#20
Methylene Chloride
Concen: 0.204 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Jun 2022 17:40

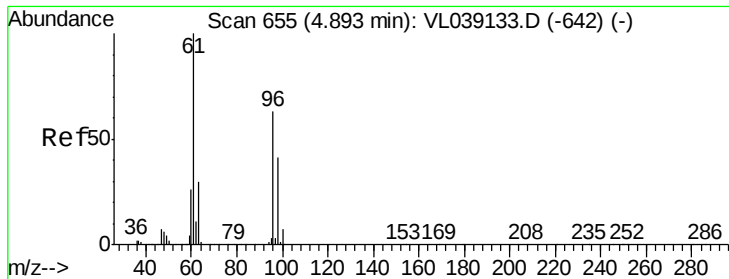
Tot Ion: 84 Resp: 10366
Ion Ratio Lower Upper
84 100
49 121.9 111.1 166.7
51 32.3 35.3 52.9#
86 38.2 51.9 77.9#



#21
Allyl Chloride
Concen: 0.072 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL039324.D
Acq: 22 Jun 2022 17:40

Tgt Ion: 41 Resp: 5868
Ion Ratio Lower Upper
41 100
76 54.8 24.2 36.2#
39 192.6 62.2 93.2#





#22

trans-1,2-Dichloroethene

Concen: 0.074 ppbv

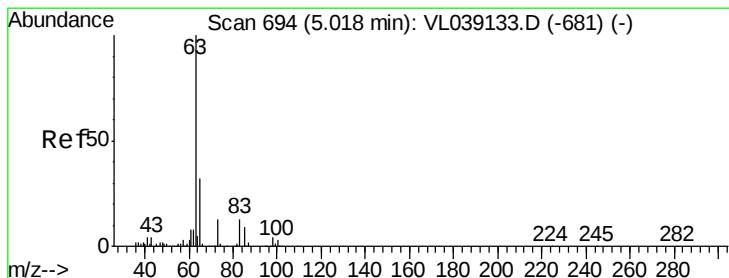
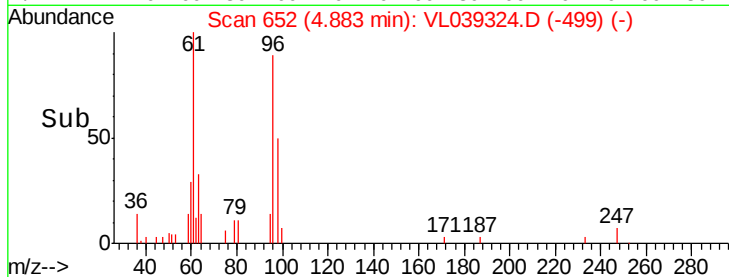
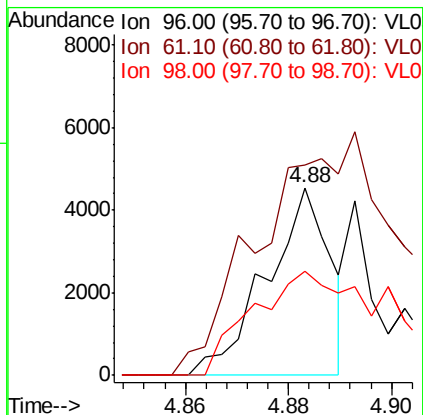
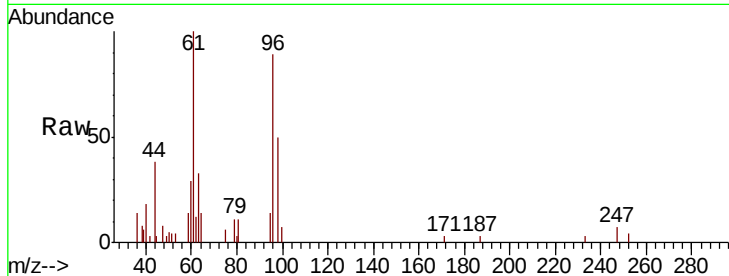
RT: 4.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 17:40

Tot Ion:	96	Resp:	3879
Ion	Ratio	Lower	Upper
96	100		
61	99.9	126.6	190.0#
98	55.6	52.5	78.7



#24

1,1-Dichloroethane

Concen: 0.109 ppbv

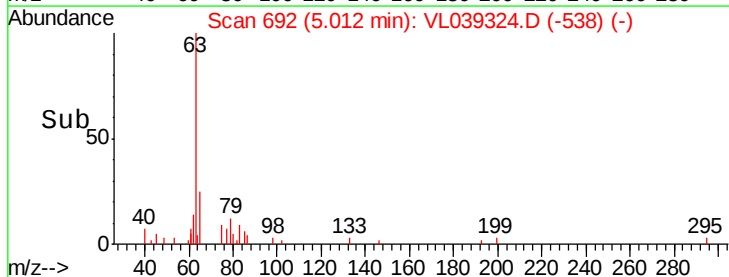
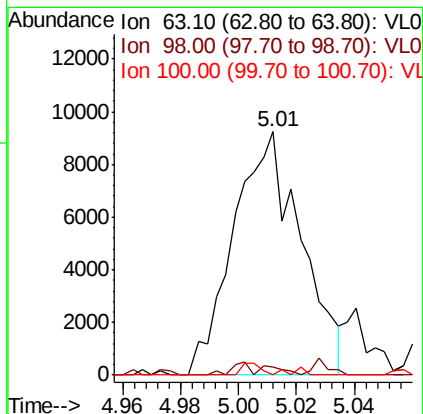
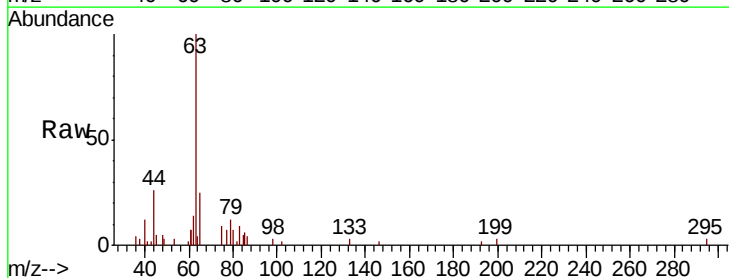
RT: 5.01 min Scan# 692

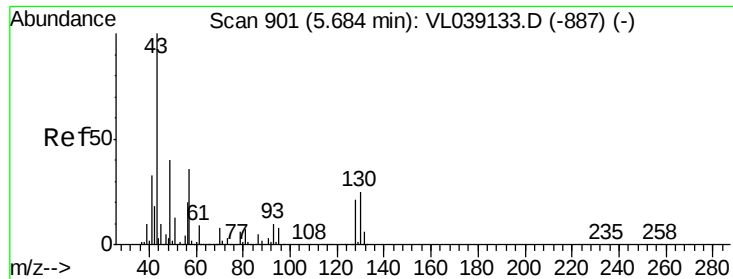
Delta R.T. -0.01 min

Lab File: VL039324.D

Acq: 22 Jun 2022 17:40

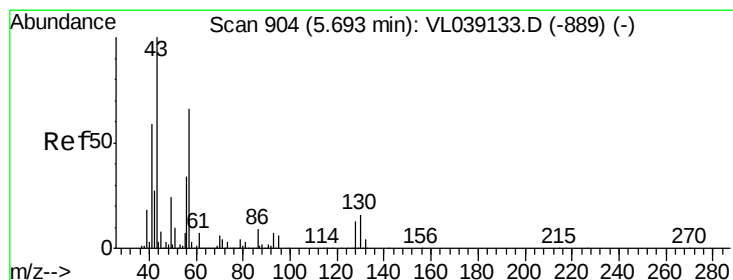
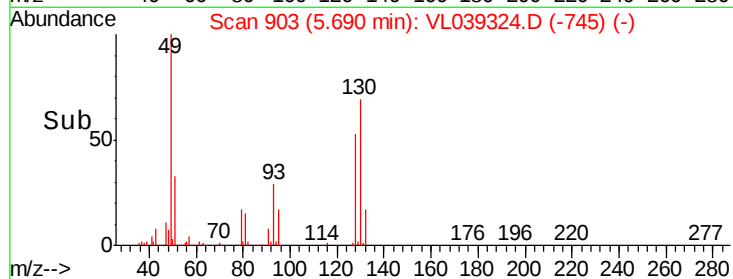
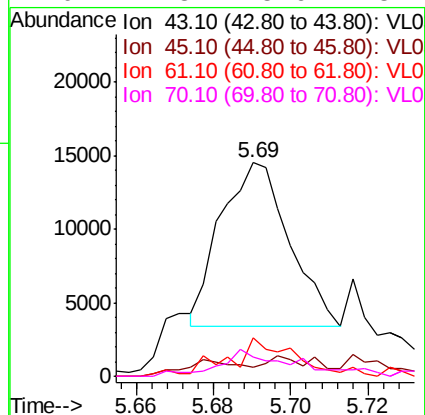
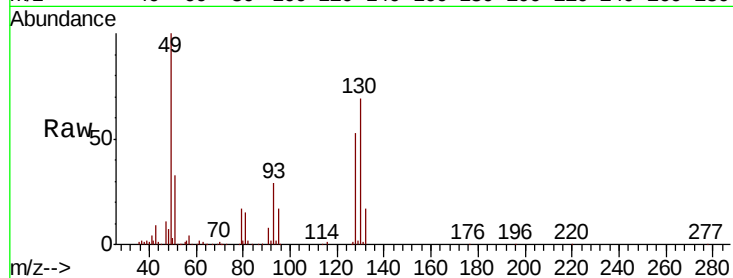
Tgt Ion:	63	Resp:	14961
Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.1	6.2
100	0.0	1.5	4.5#





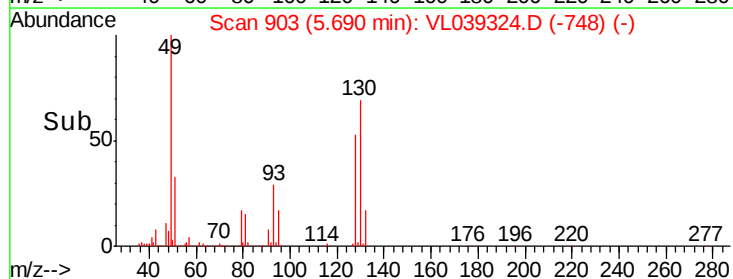
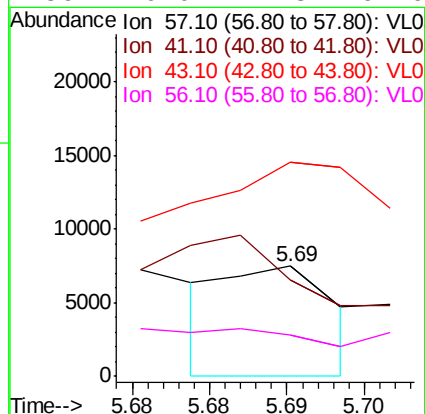
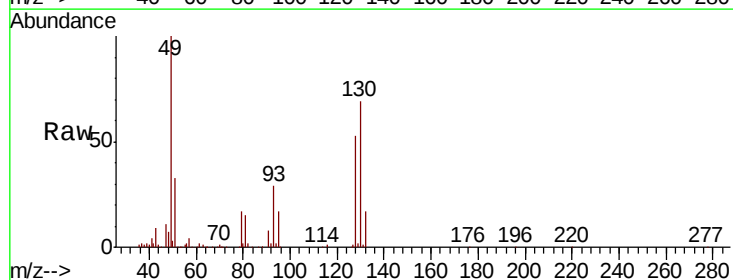
#25
Ethyl Acetate
Concen: 0.050 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Jun 2022 17:40

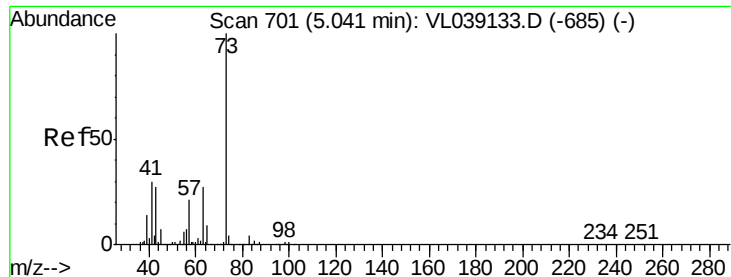
Tot Ion:	43	Resp:	13617
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.2#
61	30.4	8.4	12.6#
70	17.8	5.6	8.4#



#26
Hexane
Concen: 0.031 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: -0.00 min
Lab File: VL039324.D
Acq: 22 Jun 2022 17:40

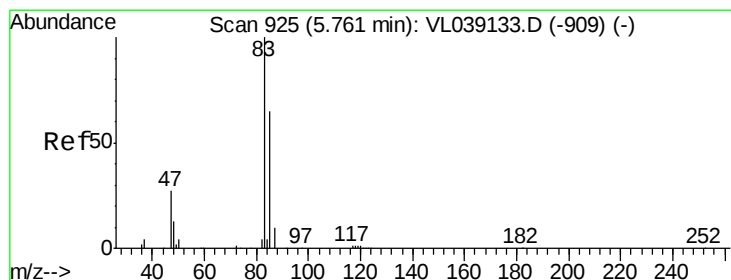
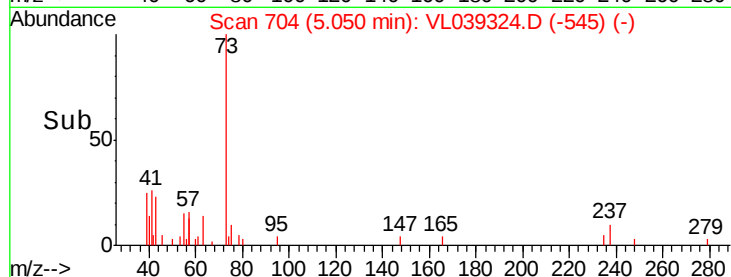
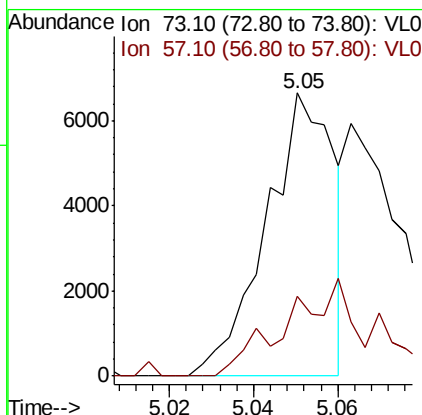
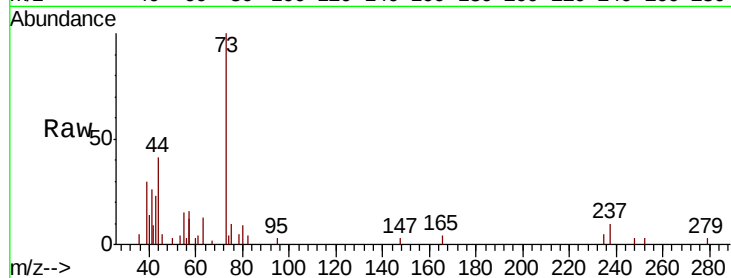
Tgt Ion:	57	Resp:	3649
Ion	Ratio	Lower	Upper
57	100		
41	410.7	72.4	108.6#
43	787.1	187.0	280.6#
56	0.0	41.8	62.6#





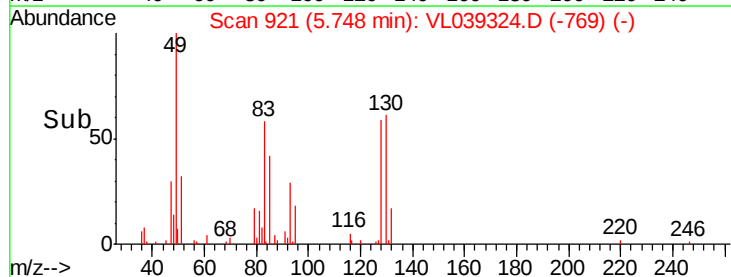
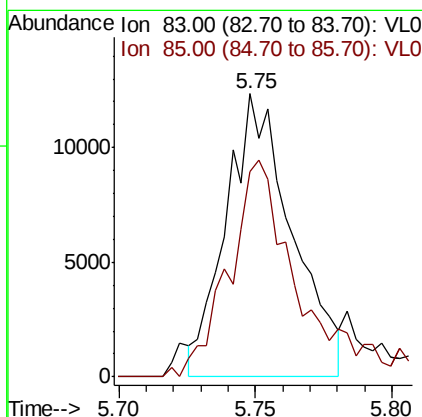
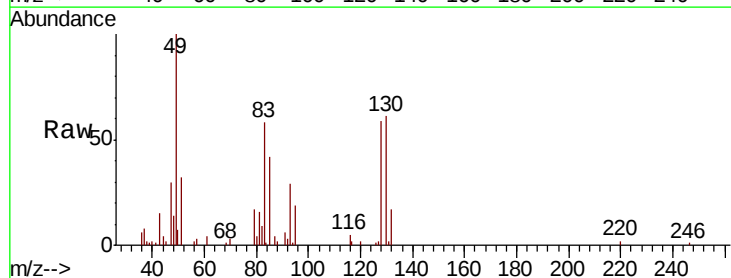
#28
Methvl tert-Butvl Ether
Concen: 0.056 ppbv
RT: 5.05
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Jun 2022 17:40

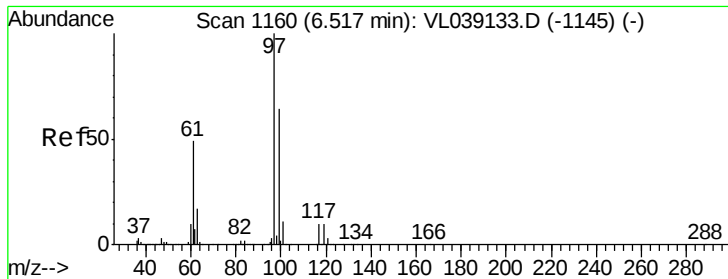
Tot Ion: 73 Resp: 7376
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8#



#29
Chloroform
Concen: 0.103 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL039324.D
Acq: 22 Jun 2022 17:40

Tgt Ion: 83 Resp: 20680
Ion Ratio Lower Upper
83 100
85 73.9 52.4 78.6





#32

1,1,1-Trichloroethane

Concen: 0.045 ppbv

RT: 6.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 17:40

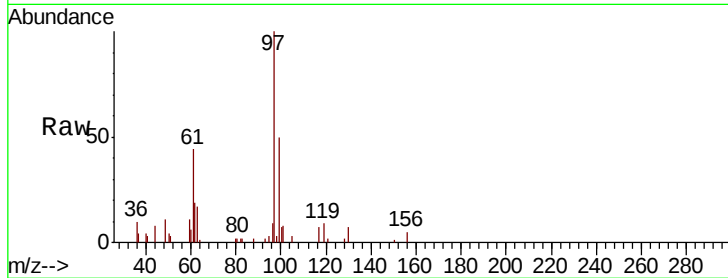
Tot Ion: 97 Resp: 8864

Ion Ratio Lower Upper

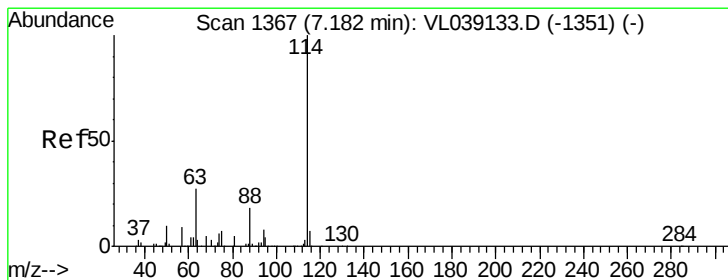
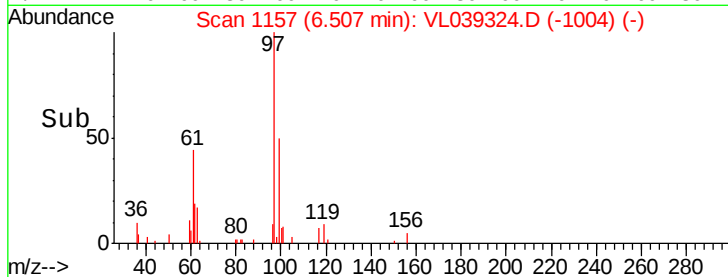
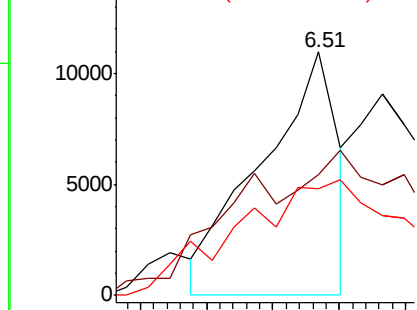
97 100

99 156.3 52.1 78.1#

61 129.9 40.0 60.0#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL039324.D

Acq: 22 Jun 2022 17:40

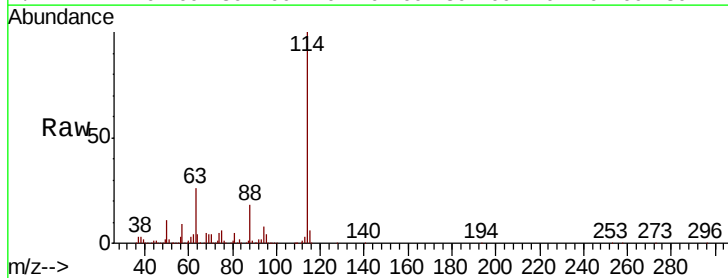
Tgt Ion: 114 Resp: 3379177

Ion Ratio Lower Upper

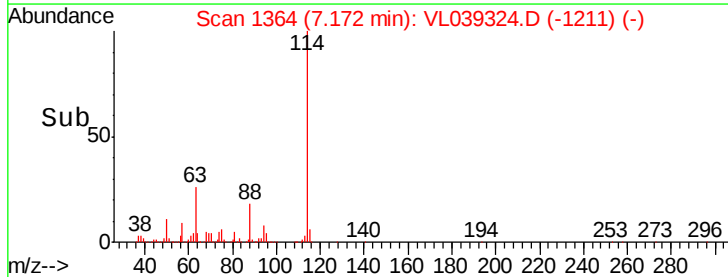
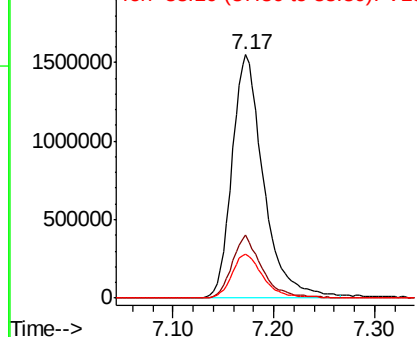
114 100

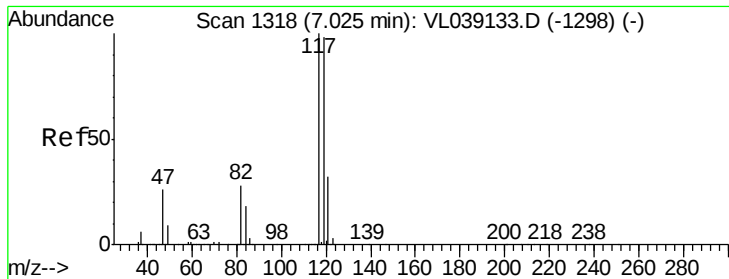
63 24.7 21.7 32.5

88 18.2 14.8 22.2



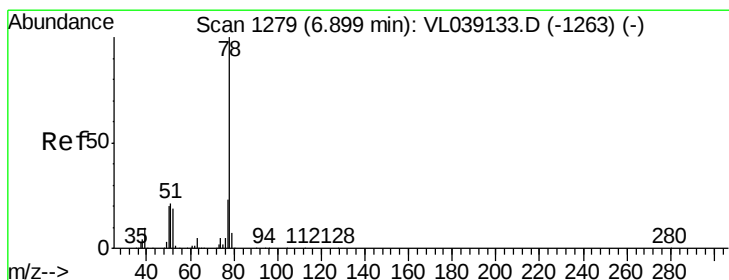
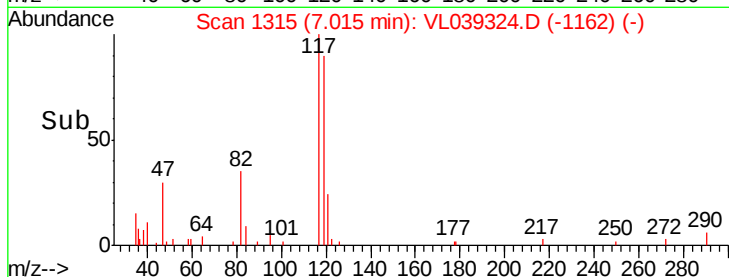
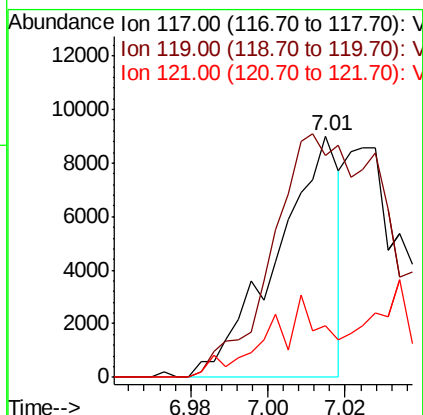
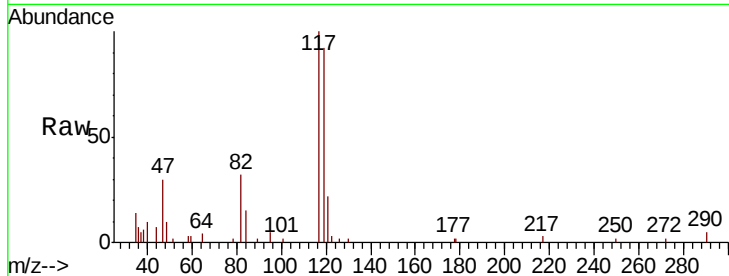
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





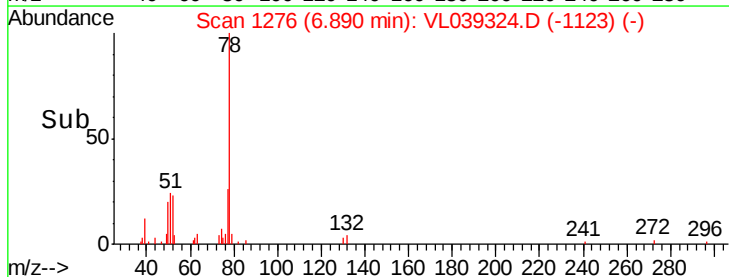
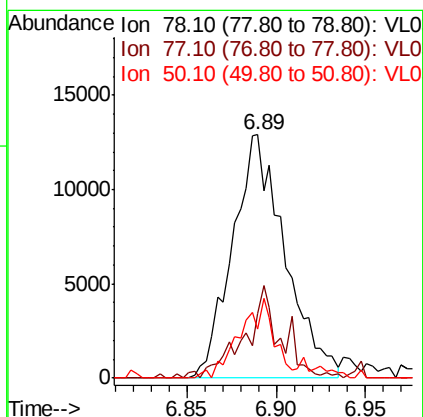
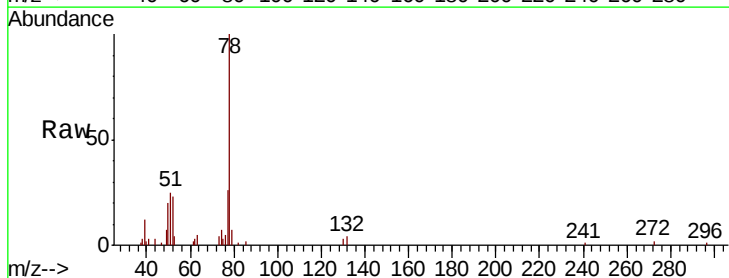
#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
ClientSampleId:
Lab File: LOQ-AIR-02-OT2-2022
Acq: 22 Jun 2022 17:40

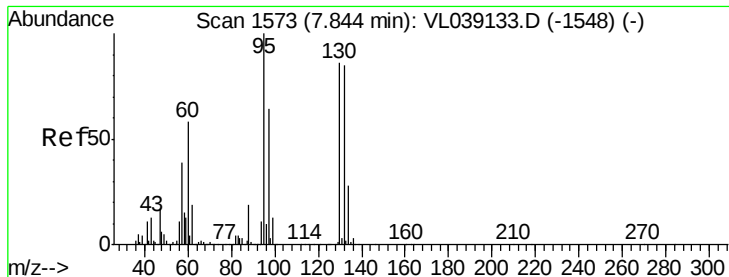
Tot Ion:117 Resp: 10097
Ion Ratio Lower Upper
117 100
119 92.0 78.6 118.0
121 21.5 25.4 38.0#



#36
Benzene
Concen: 0.097 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL039324.D
Acq: 22 Jun 2022 17:40

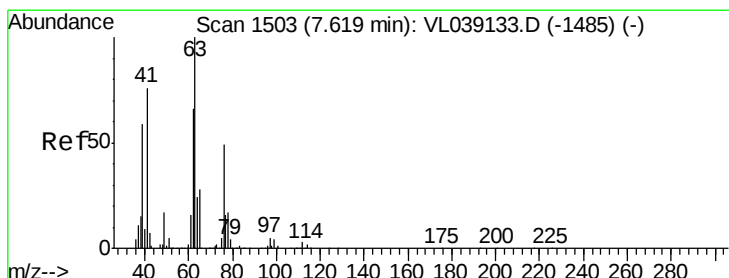
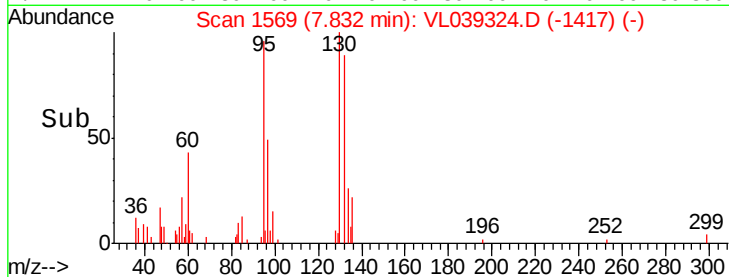
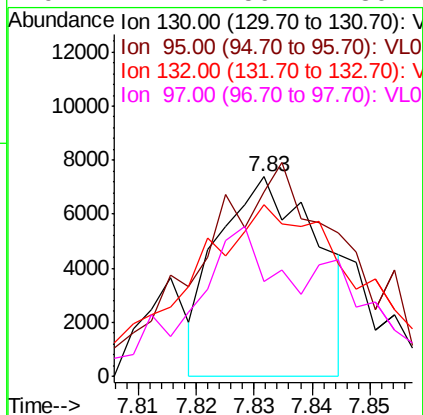
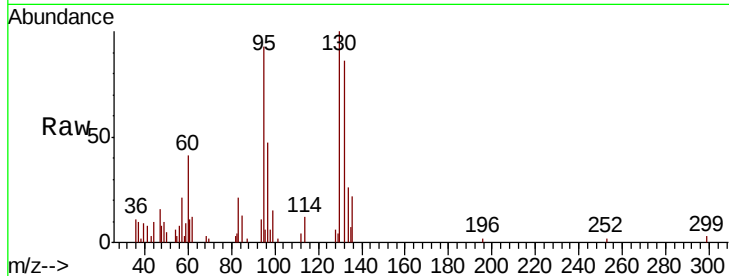
Tgt Ion: 78 Resp: 26527
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8
50 20.0 15.8 23.8





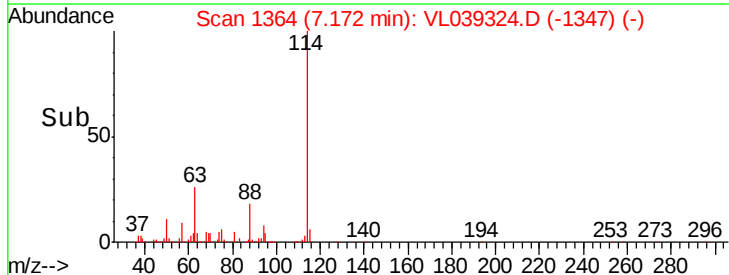
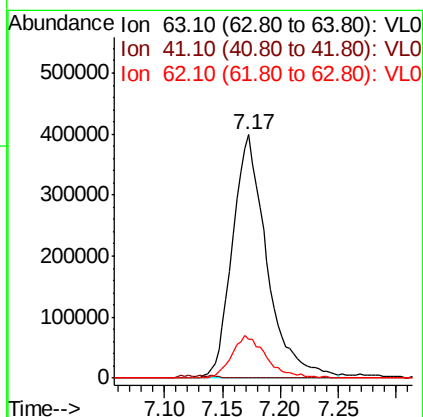
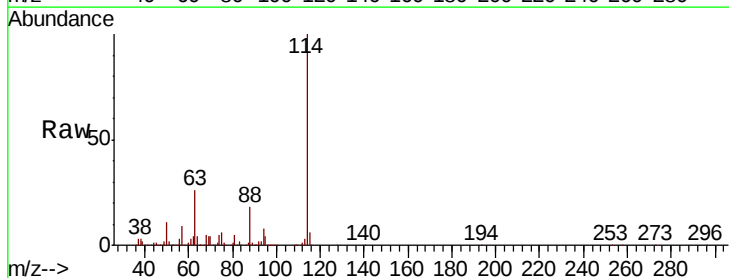
#38
 Trichloroethene
 Concen: 0.070 ppbv
 RT: 7.83
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 22 Jun 2022 17:40

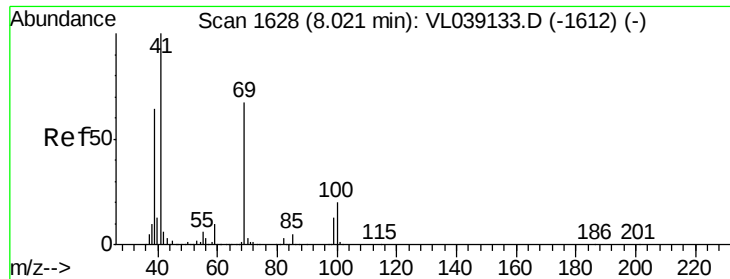
Tot Ion: 130 Resp: 8790
 Ion Ratio Lower Upper
 130 100
 95 73.3 93.3 139.9#
 132 56.1 79.0 118.4#
 97 21.1 59.4 89.2#



#39
 1,2-Dichloropropane
 Concen: 7.522 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL039324.D
 Acq: 22 Jun 2022 17:40

Tgt Ion: 63 Resp: 820780
 Ion Ratio Lower Upper
 63 100
 41 0.2 60.8 91.2#
 62 16.2 52.9 79.3#





#43

Methyl Methacrylate

Concen: 0.061 ppbv

RT: 8.03

Instrument: MSVOA_1

Delta R.T.

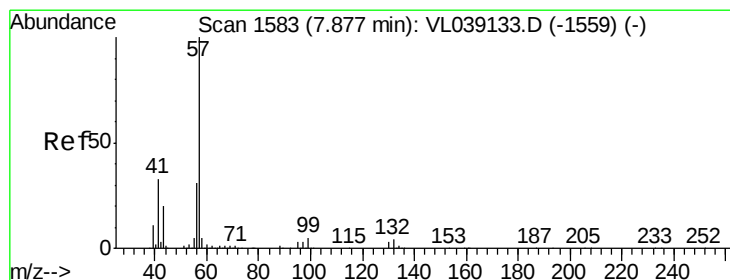
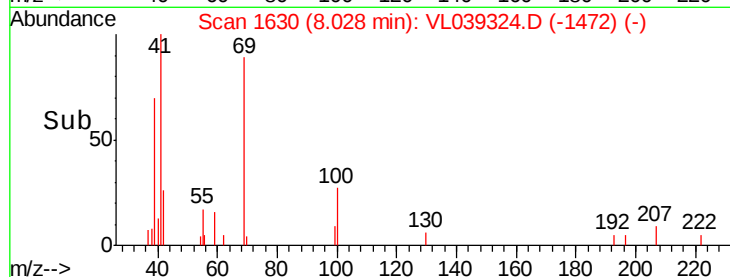
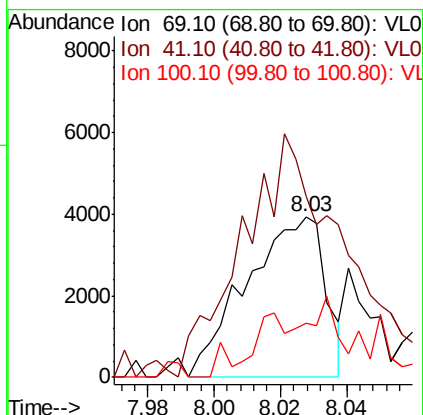
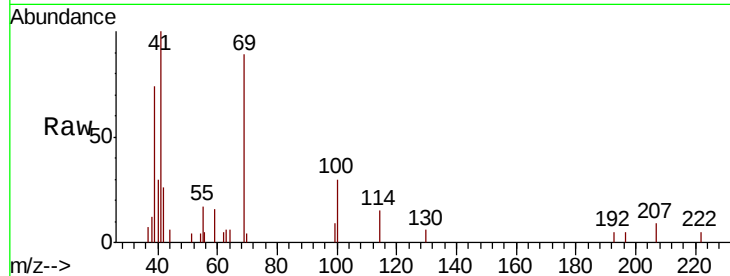
Client Sample Id:

Lab File: LOQ-AIR-02-QT2-2022

Acq: 22 Jun 2022 17:40

Tot Ion: 69 Resp: 6518

Ion	Ratio	Lower	Upper
69	100		
41	212.3	121.9	182.9#
100	0.0	24.1	36.1#



#44

2,2,4-Trimethylpentane

Concen: 0.049 ppbv

RT: 7.86 min Scan# 1578

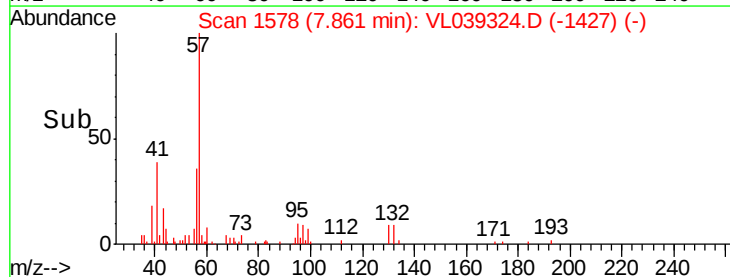
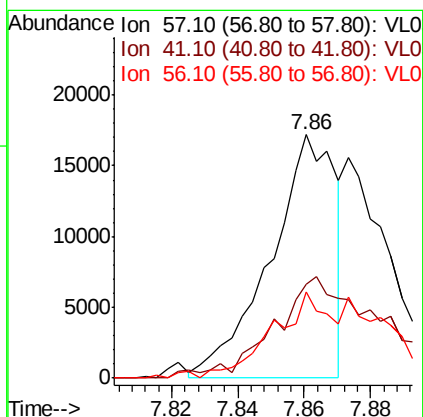
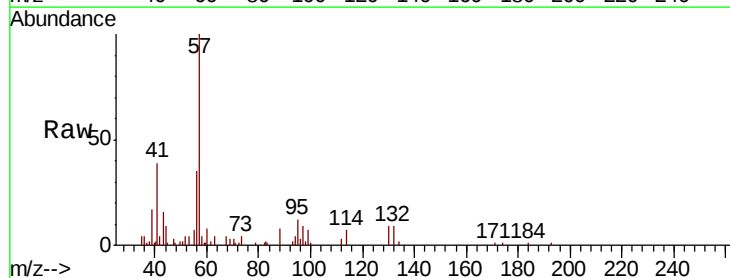
Delta R.T. -0.02 min

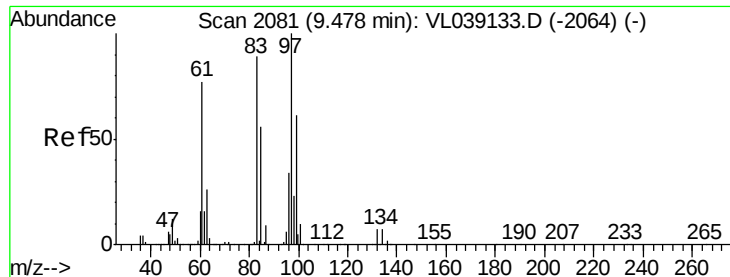
Lab File: VL039324.D

Acq: 22 Jun 2022 17:40

Tgt Ion: 57 Resp: 23488

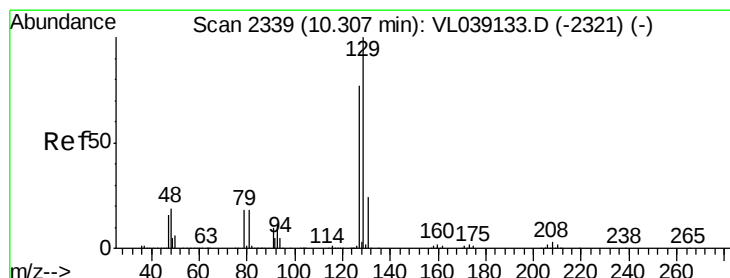
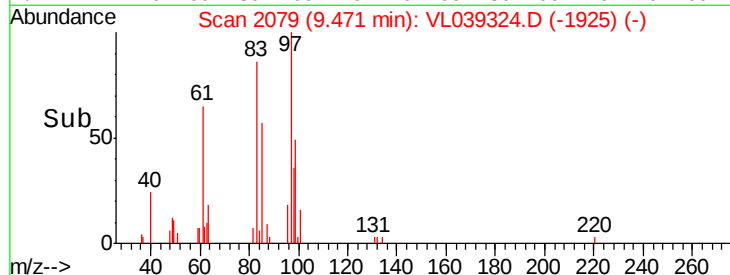
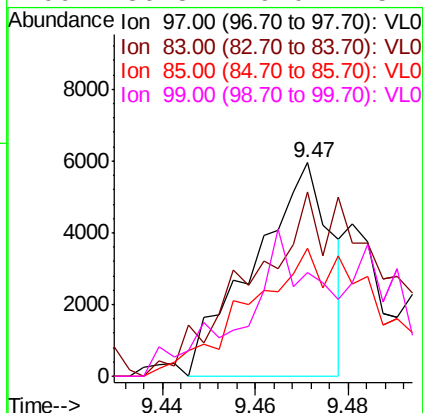
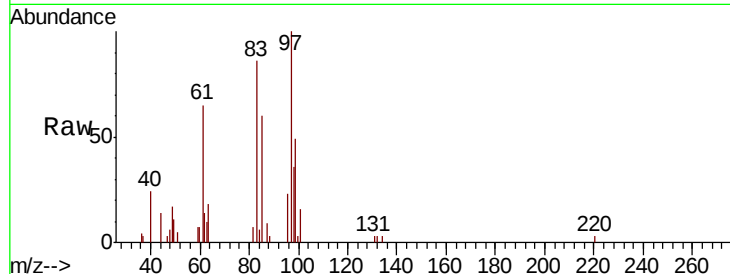
Ion	Ratio	Lower	Upper
57	100		
41	71.5	26.2	39.4#
56	61.1	24.7	37.1#





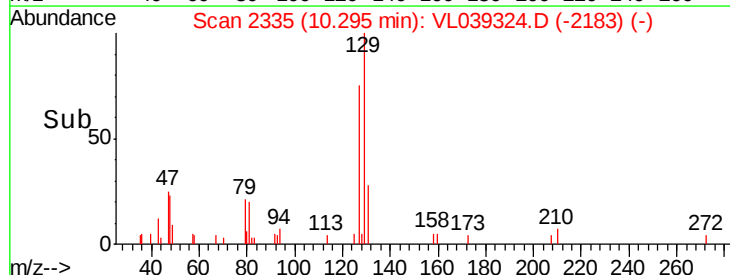
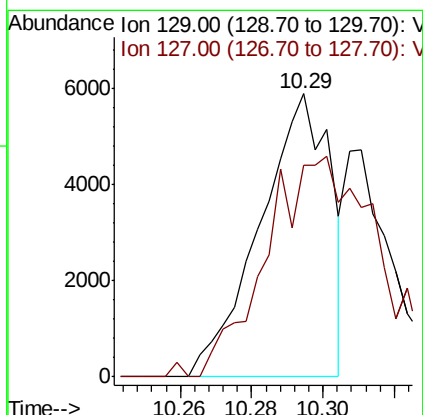
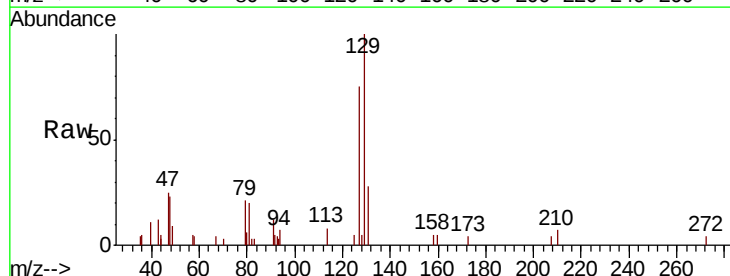
#47
 1,1,2-Trichloroethane
 Concen: 0.061 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId:
 Acq: 22 Jun 2022 17:40

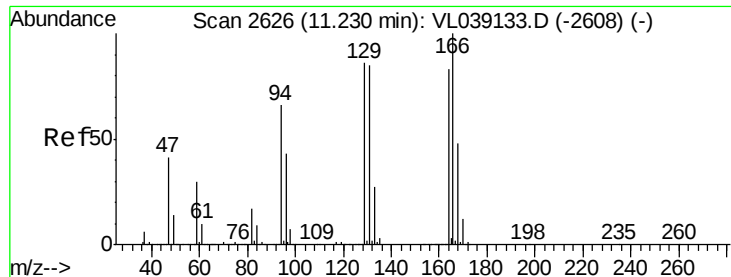
Tot Ion: 97 Resp: 6889
 Ion Ratio Lower Upper
 97 100
 83 62.1 71.6 107.4#
 85 48.0 44.8 67.2
 99 36.8 49.0 73.4#



#48
 Dibromochloromethane
 Concen: 0.040 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL039324.D
 Acq: 22 Jun 2022 17:40

Tgt Ion: 129 Resp: 8067
 Ion Ratio Lower Upper
 129 100
 127 137.1 40.0 119.9#





#52

Tetrachloroethene

Concen: 0.068 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 17:40

Tot Ion:164 Resp: 7299

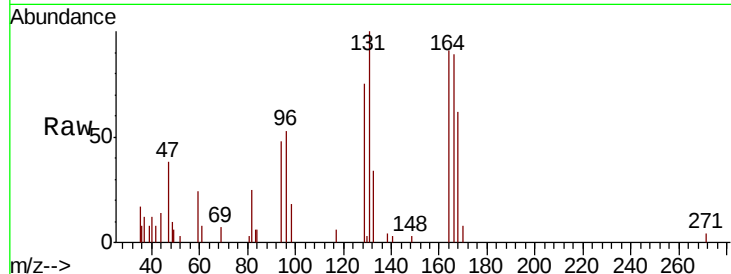
Ion Ratio Lower Upper

164 100

166 66.9 96.3 144.5#

129 33.8 82.5 123.7#

131 95.8 82.1 123.1



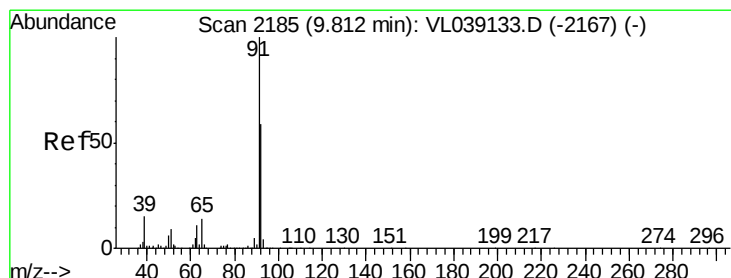
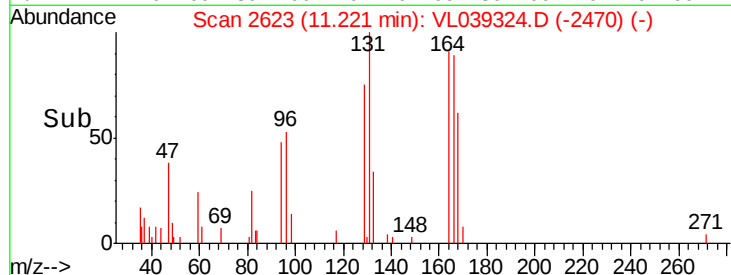
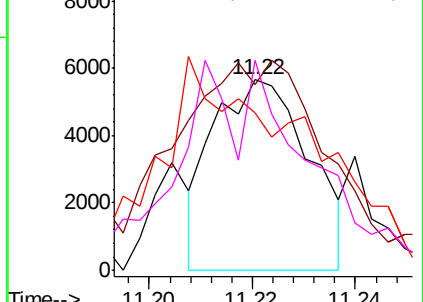
Abundance

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: 0.048 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL039324.D

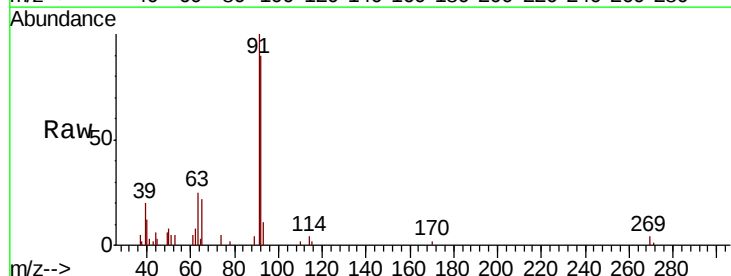
Acq: 22 Jun 2022 17:40

Tgt Ion: 91 Resp: 15196

Ion Ratio Lower Upper

91 100

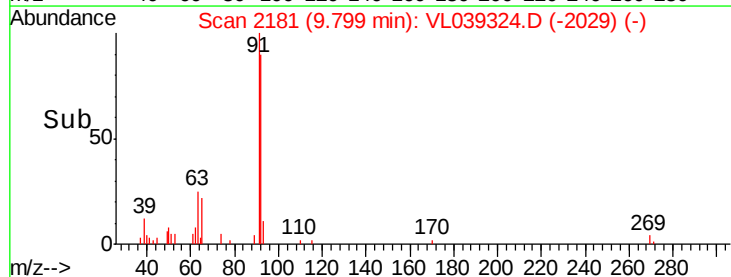
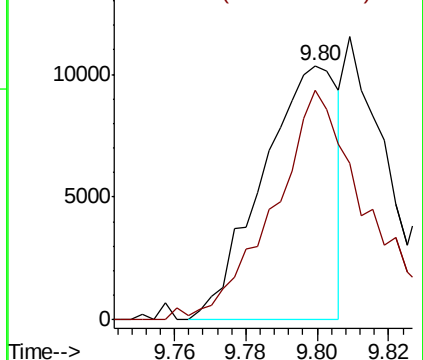
92 121.1 48.1 72.1#

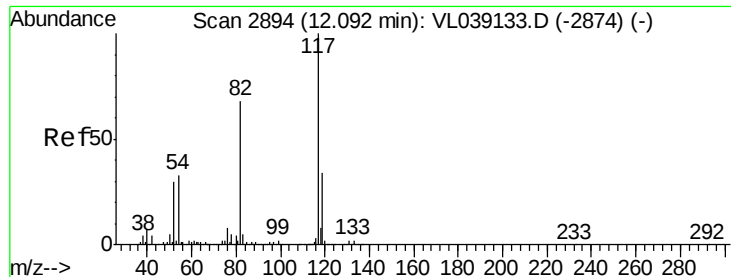


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

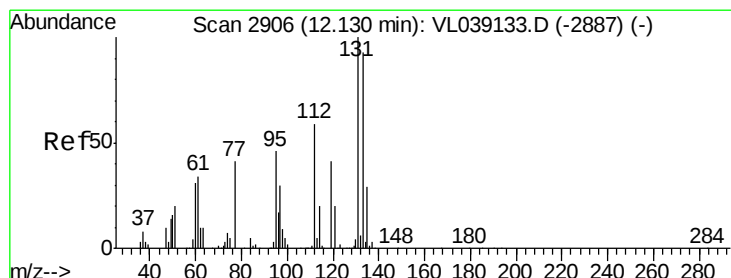
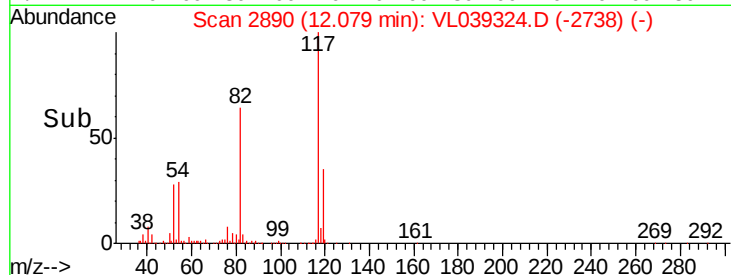
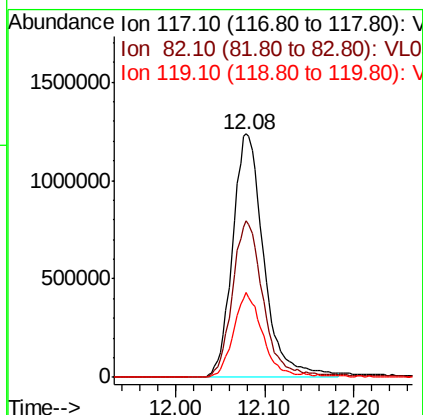
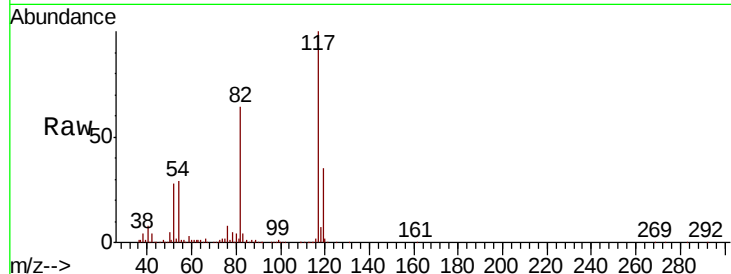




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: LOQ-AIR-02-OT2-2022
Acq: 22 Jun 2022 17:40

Tot Ion:117 Resp: 3006884

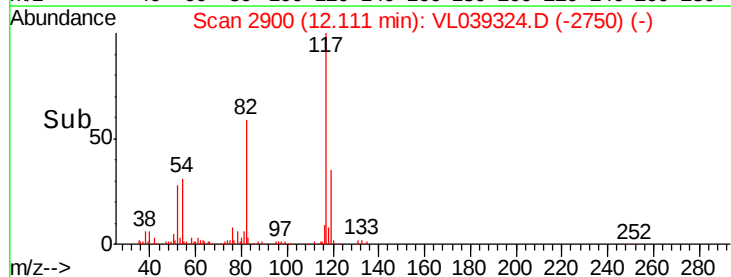
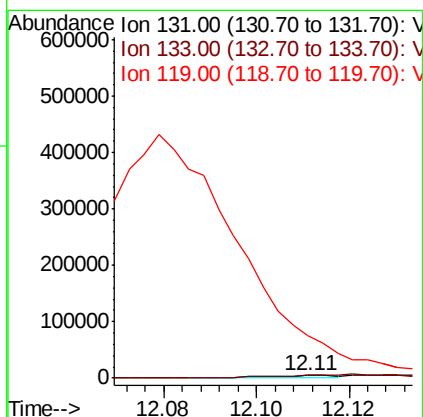
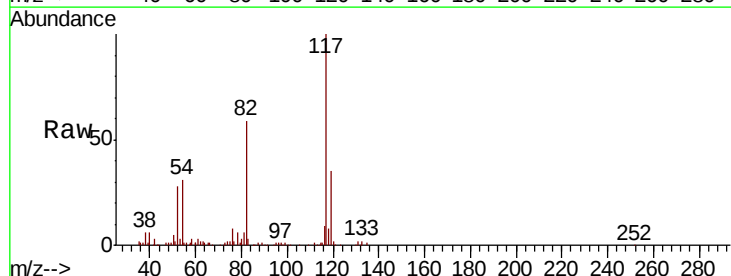
Ion	Ratio	Lower	Upper
117	100		
82	65.1	55.1	82.7
119	33.7	24.7	37.1

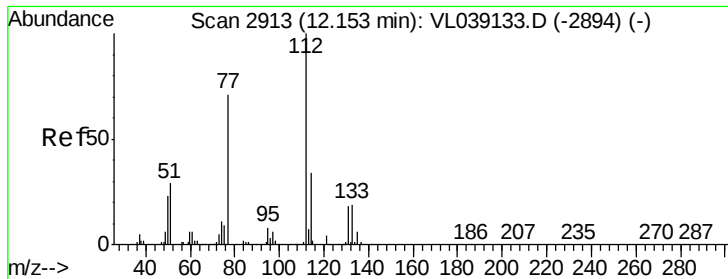


#56
1,1,1,2-Tetrachloroethane
Concen: 0.037 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: -0.02 min
Lab File: VL039324.D
Acq: 22 Jun 2022 17:40

Tgt Ion:131 Resp: 5220

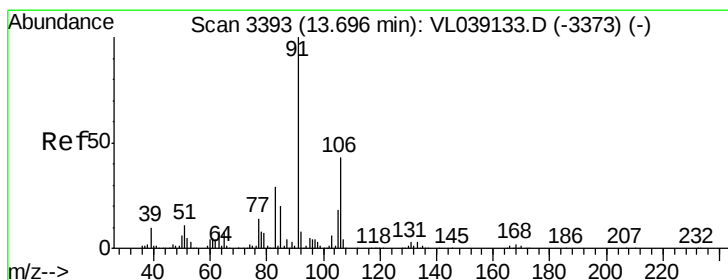
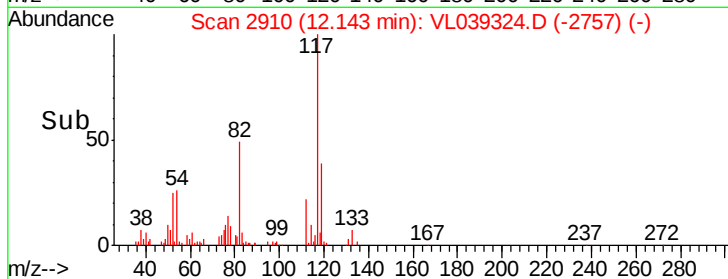
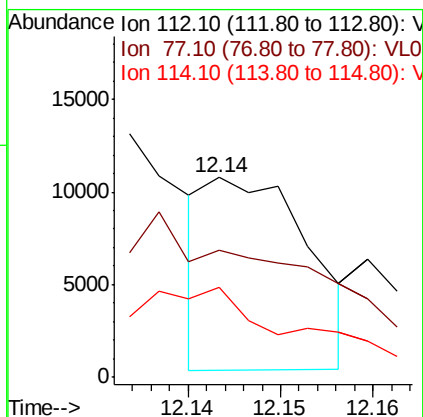
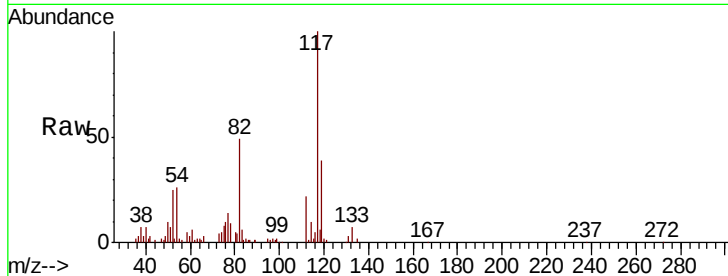
Ion	Ratio	Lower	Upper
131	100		
133	0.0	78.6	117.8#
119	0.0	51.7	77.5#





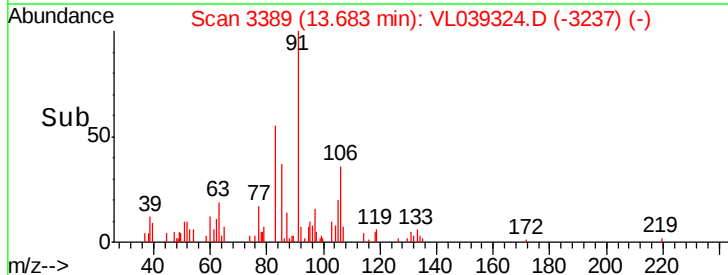
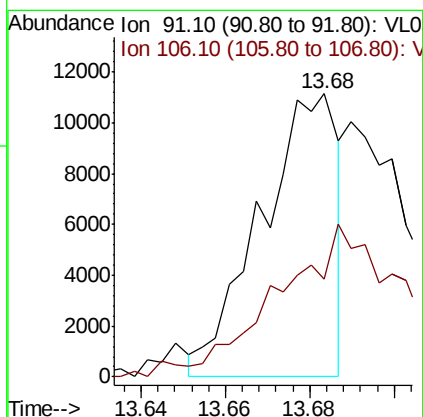
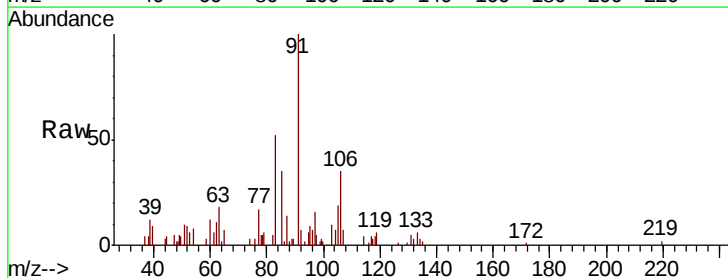
#57
Chlorobenzene
Concen: 0.035 ppbv
RT: 12.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Jun 2022 17:40

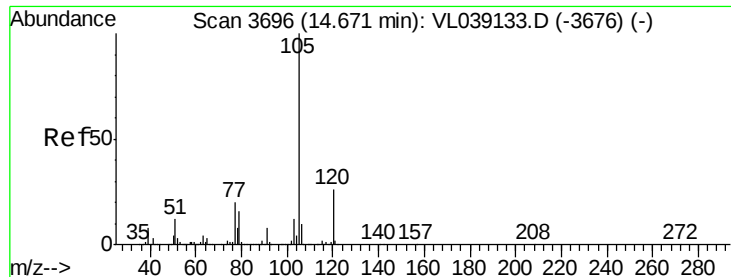
Tot Ion: 112 Resp: 7929
Ion Ratio Lower Upper
112 100
77 33.1 56.5 84.7#
114 44.5 30.3 37.1#



#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL039324.D
Acq: 22 Jun 2022 17:40

Tgt Ion: 91 Resp: 14084
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9#





#62

Isopropylbenzene

Concen: 0.067 ppbv

RT: 14.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

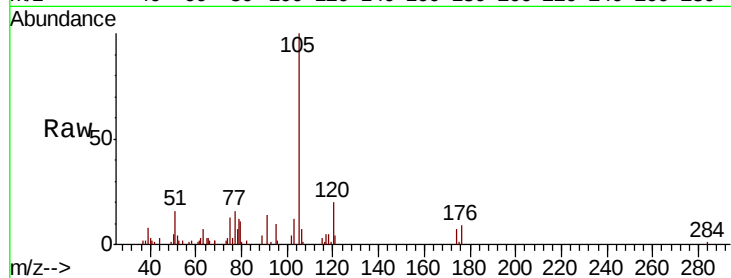
Acq: 22 Jun 2022 17:40

Tot Ion: 105 Resp: 34287

Ion Ratio Lower Upper

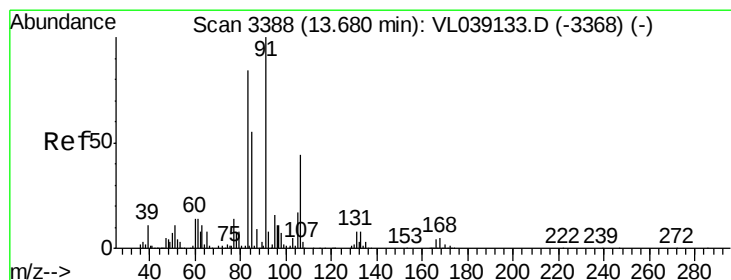
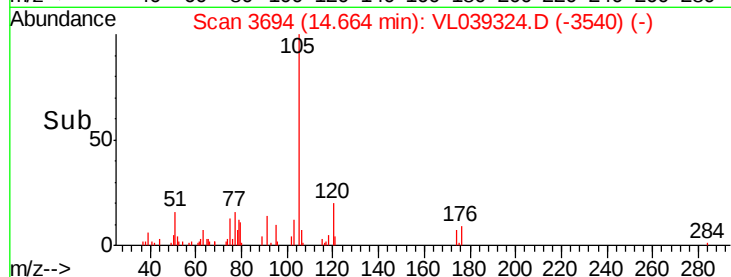
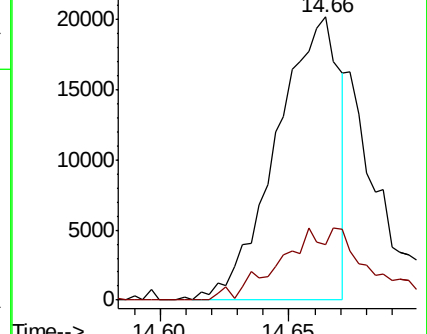
105 100

120 35.6 20.3 30.5#



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: 0.042 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL039324.D

Acq: 22 Jun 2022 17:40

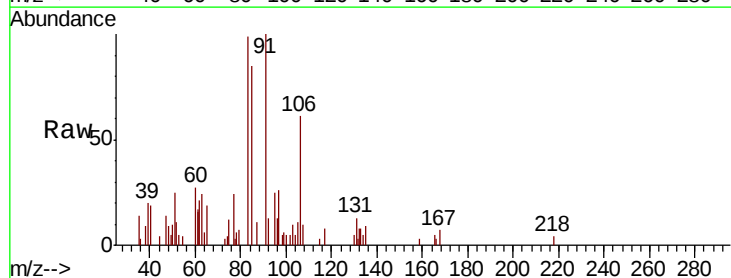
Tgt Ion: 83 Resp: 8066

Ion Ratio Lower Upper

83 100

131 15.6 4.8 14.3#

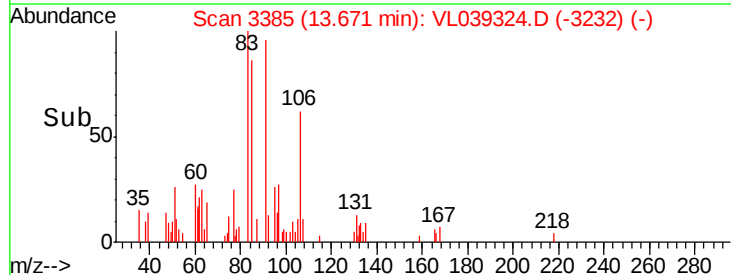
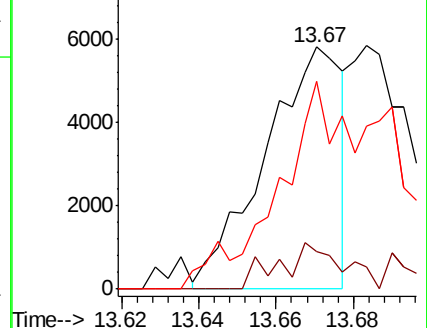
85 167.1 33.0 99.0#

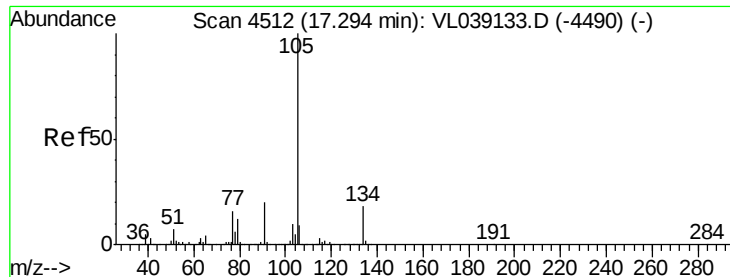


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#67

sec-Butylbenzene

Concen: 0.050 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

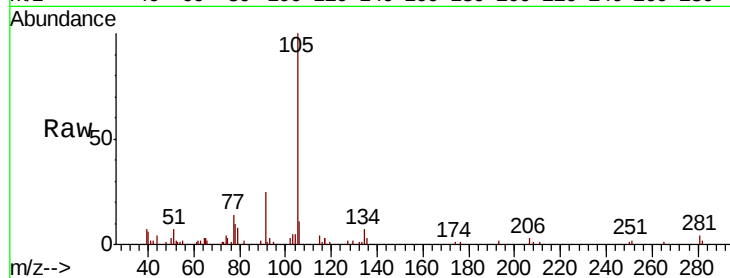
Acq: 22 Jun 2022 17:40

Tot Ion: 105 Resp: 31883

Ion Ratio Lower Upper

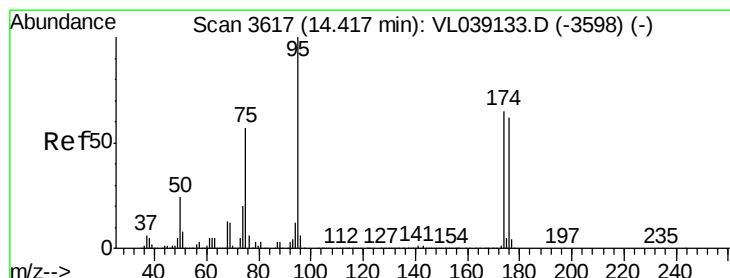
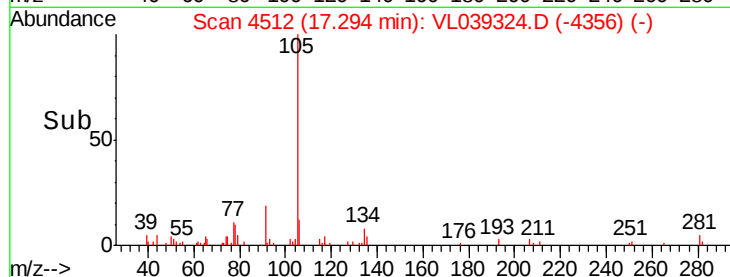
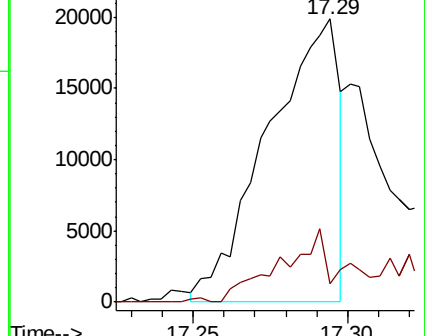
105 100

134 31.1 14.4 21.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.990 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL039324.D

Acq: 22 Jun 2022 17:40

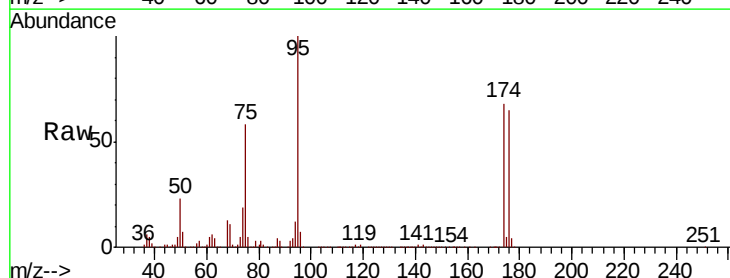
Tgt Ion: 95 Resp: 2234889

Ion Ratio Lower Upper

95 100

174 72.4 53.8 80.8

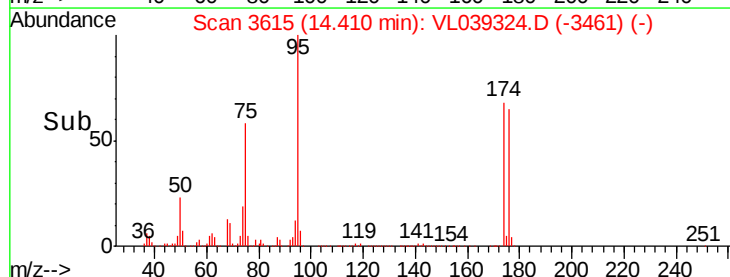
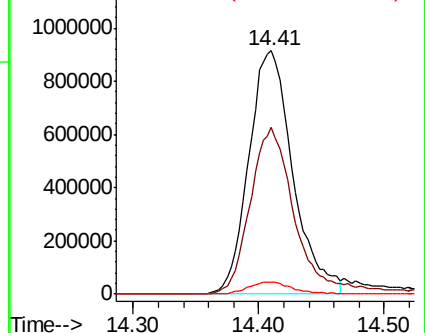
175 5.1 4.1 6.1

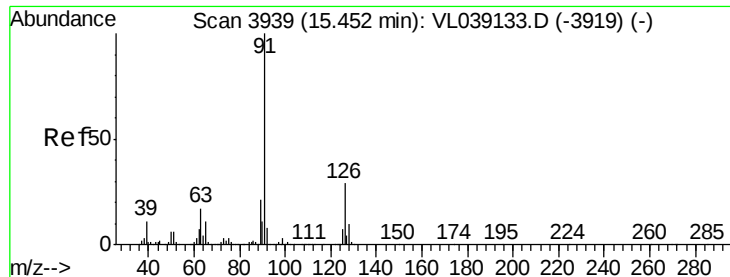


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

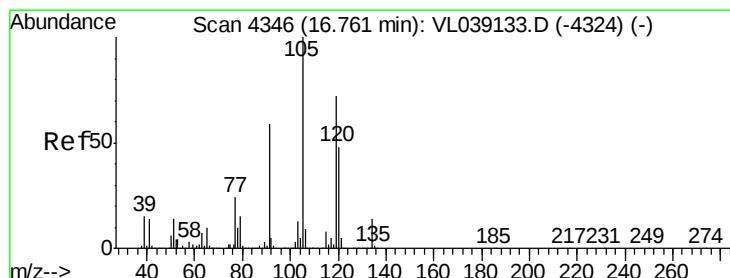
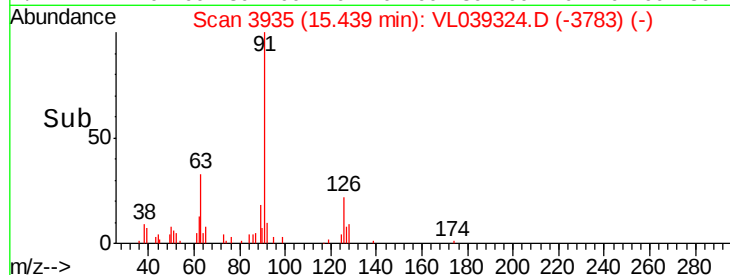
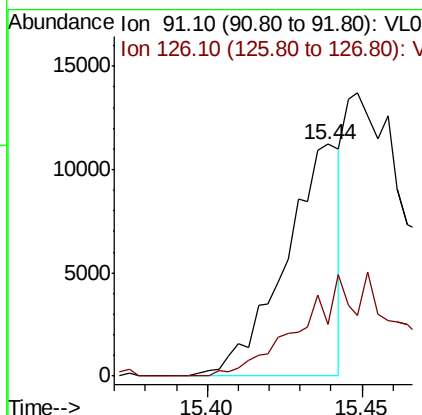
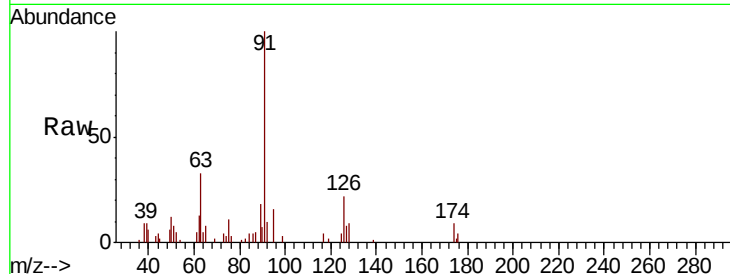
Ion 175.00 (174.70 to 175.70): V





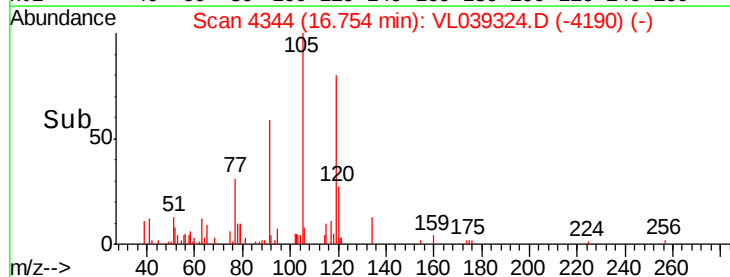
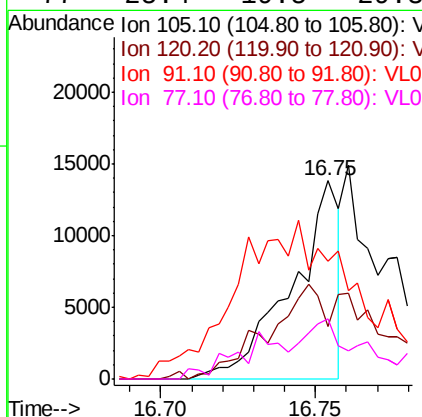
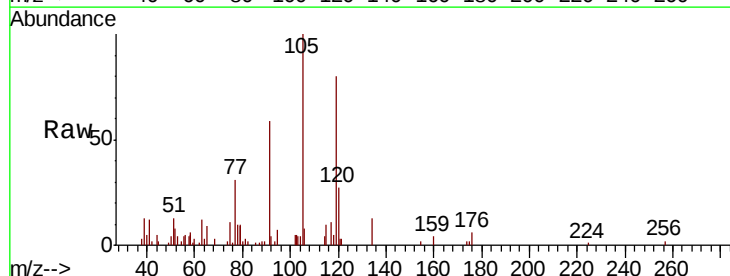
#71
 2-Chlorotoluene
 Concen: 0.036 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Jun 2022 17:40

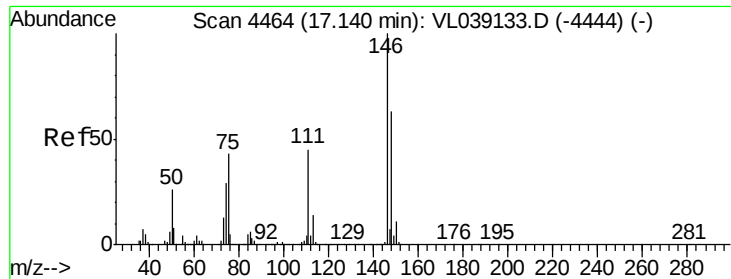
Tot Ion: 91 Resp: 13905
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.2 48.6#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.037 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.01 min
 Lab File: VL039324.D
 Acq: 22 Jun 2022 17:40

Tgt Ion:105 Resp: 14828
 Ion Ratio Lower Upper
 105 100
 120 26.6 38.1 57.1#
 91 44.3 47.4 71.0#
 77 25.4 19.5 29.3





#76

1,4-Dichlorobenzene

Concen: 0.072 ppbv

RT: 17.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 17:40

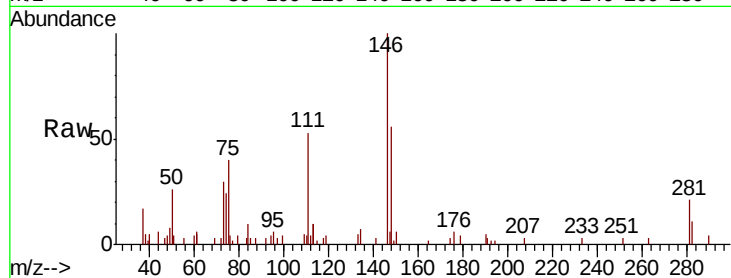
Tot Ion:146 Resp: 16469

Ion Ratio Lower Upper

146 100

111 67.2 23.6 71.0

148 89.6 33.7 101.0



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

