

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031722\
 Data File : VL038639.D
 Acq On : 17 Mar 2022 23:45
 Operator : SY/AP
 Sample : N1965-10
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA7

Quant Time: Apr 01 02:41:33 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	832391	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2153350	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2047627	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1440403	9.25	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.50%

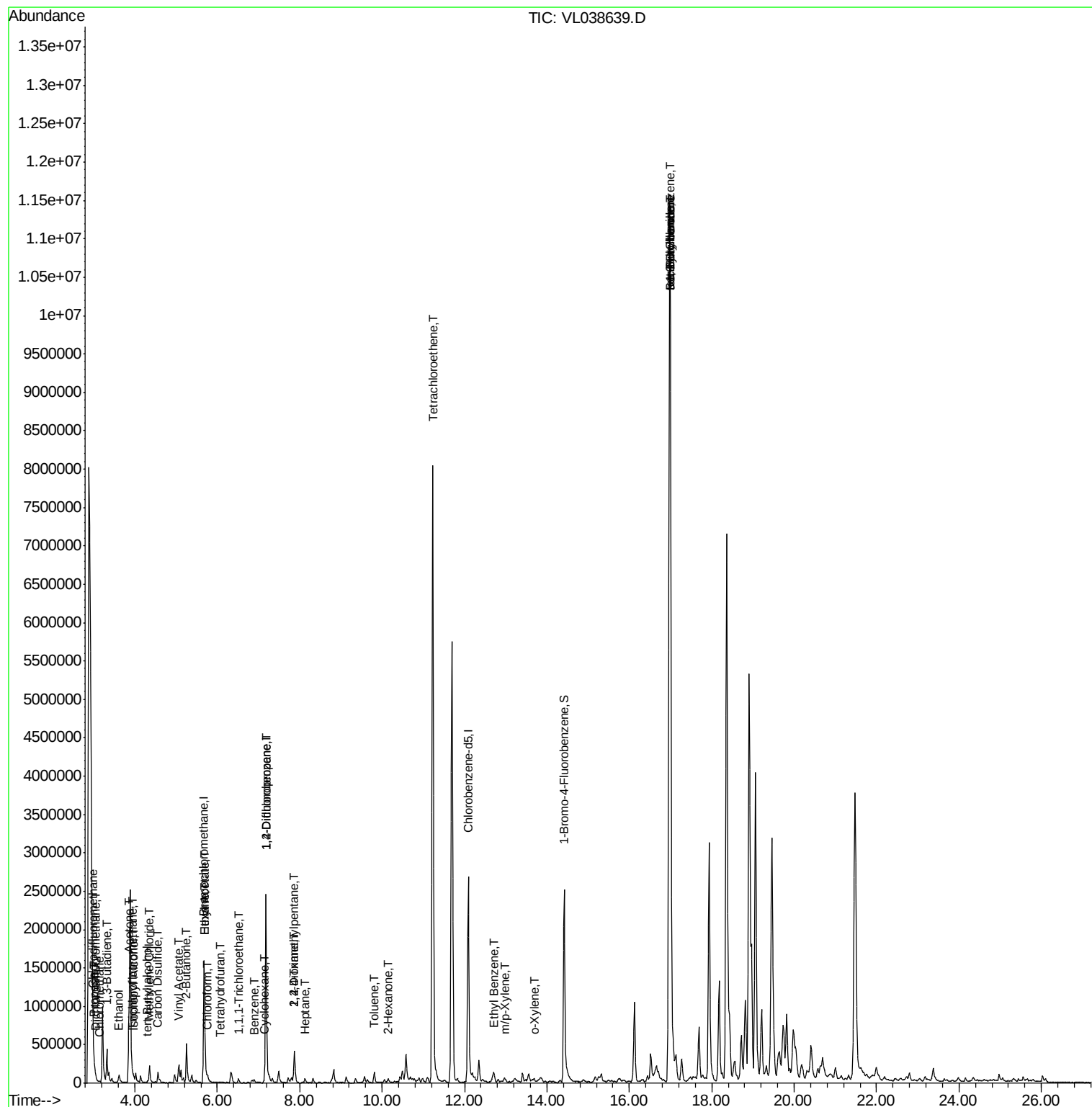
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	16879	0.134	ppbv #	86
3) Chlorodifluoromethane	3.00	51	12103	0.082	ppbv	97
4) Chloromethane	3.15	50	4347	0.080	ppbv #	84
9) Propene	3.02	41	42412	0.819	ppbv	97
10) Heptane	8.13	43	9900	0.080	ppbv #	1
11) Trichlorofluoromethane	3.96	101	19696	0.179	ppbv	89
13) Ethanol	3.61	45	125946	21.170	ppbv	97
15) Acetone	3.85	43	1024539	17.449	ppbv #	63
16) 1,3-Butadiene	3.32	39	114714	2.431	ppbv #	18
17) tert-Butyl alcohol	4.31	59	18729	0.294	ppbv #	73
19) Isopropyl Alcohol	3.98	45	25867	0.660	ppbv #	92
20) Methylene Chloride	4.35	84	98495	2.788	ppbv	96
23) Vinyl Acetate	5.06	43	140053	1.664	ppbv #	5
25) Ethyl Acetate	5.69	43	107246	0.542	ppbv #	79
26) Hexane	5.69	57	145833	1.570	ppbv #	42
27) Carbon Disulfide	4.56	76	196310	2.123	ppbv	99
29) Chloroform	5.76	83	48376	0.335	ppbv	92
30) Cyclohexane	7.13	84	3228	0.040	ppbv #	1
32) 1,1,1-Trichloroethane	6.52	97	27496	0.196	ppbv	99
34) 2-Butanone	5.25	43	699774	12.537	ppbv	99
36) Benzene	6.90	78	27524	0.142	ppbv #	92
39) 1,2-Dichloropropane	7.18	63	508103	6.799	ppbv #	27
40) 1,4-Dioxane	7.87	88	647	0.035	ppbv #	1
41) Tetrahydrofuran	6.08	42	1754	0.038	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	327586	0.997	ppbv #	80
51) 2-Hexanone	10.15	43	45036	0.931	ppbv #	98
52) Tetrachloroethene	11.23	164	2530521	35.529	ppbv	96
53) Toluene	9.81	91	85623	0.413	ppbv	99
58) Ethyl Benzene	12.71	91	43375	0.164	ppbv	97
59) m/p-Xylene	13.00	91	12378	0.055	ppbv #	30
60) o-Xylene	13.69	91	15205	0.071	ppbv #	56
65) tert-Butylbenzene	16.99	119	237844	0.899	ppbv #	24
66) Benzyl Chloride	17.00	91	1440	0.092	ppbv #	57
67) sec-Butylbenzene	16.98	105	33714	0.090	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	11651	0.076	ppbv #	24

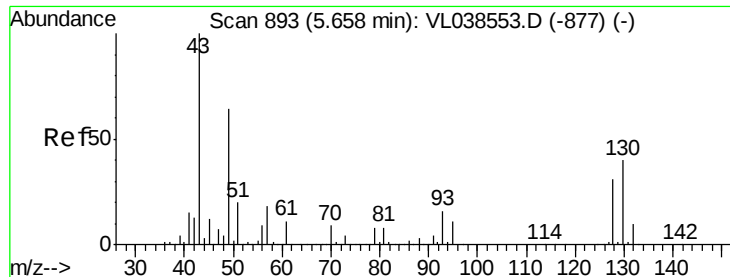
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:45

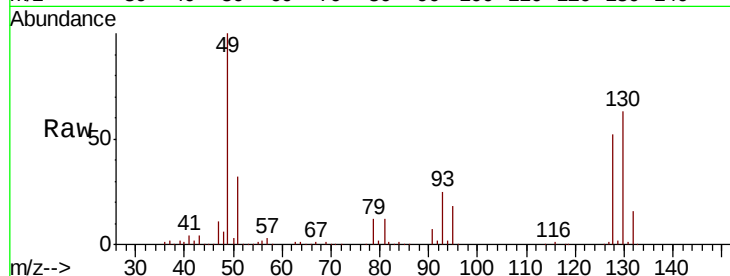
Tot Ion: 49 Resp: 832391

Ion Ratio Lower Upper

49 100

128 53.7 26.4 79.2

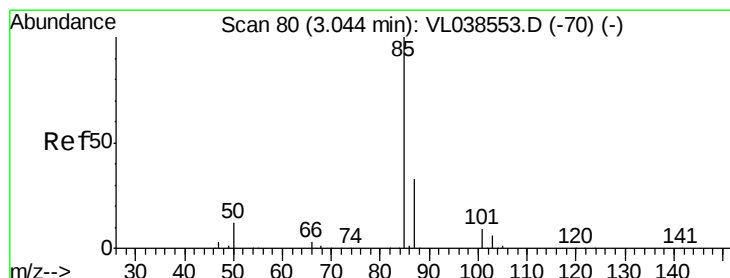
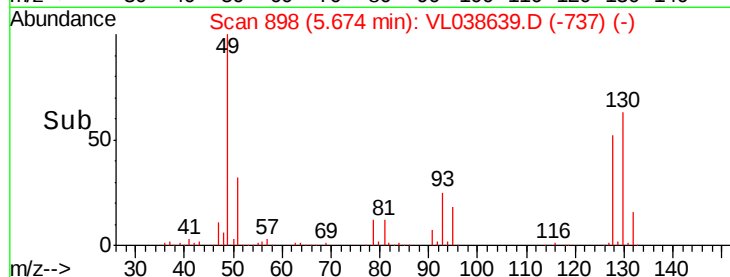
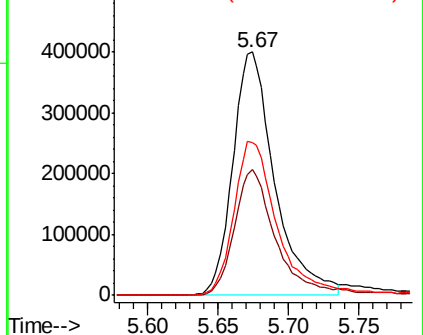
130 67.9 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.134 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038639.D

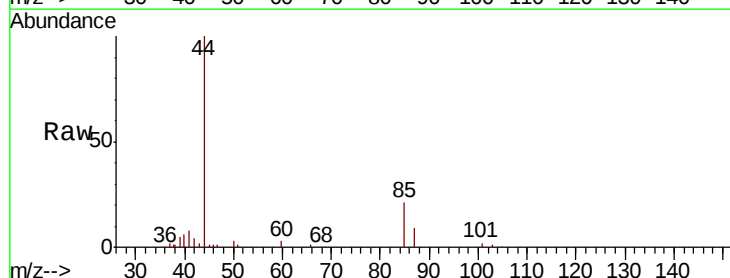
Acq: 17 Mar 2022 23:45

Tgt Ion: 85 Resp: 16879

Ion Ratio Lower Upper

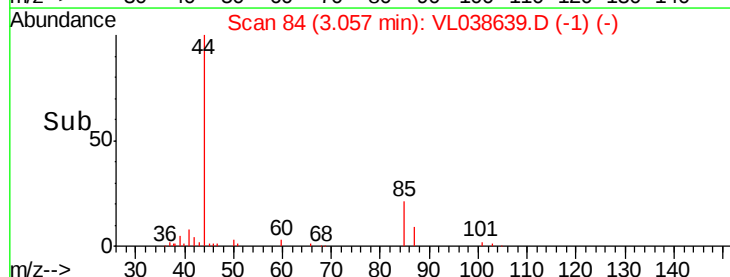
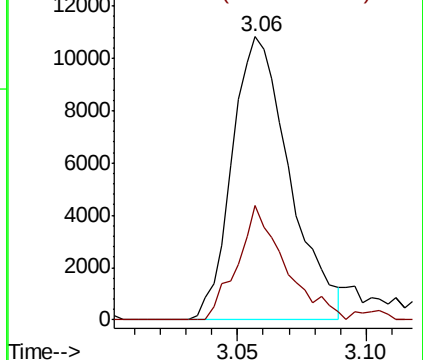
85 100

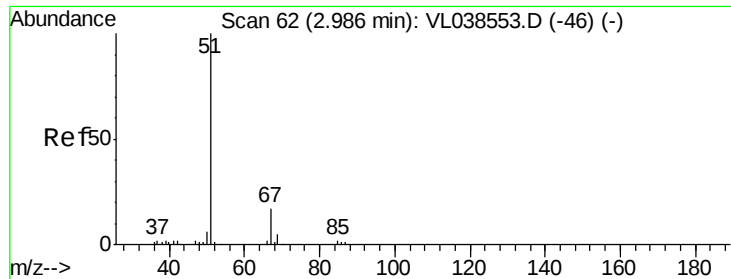
87 40.4 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

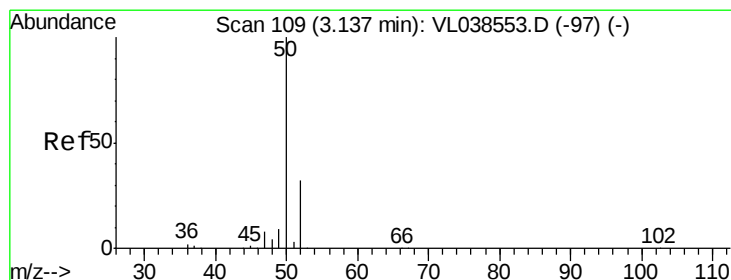
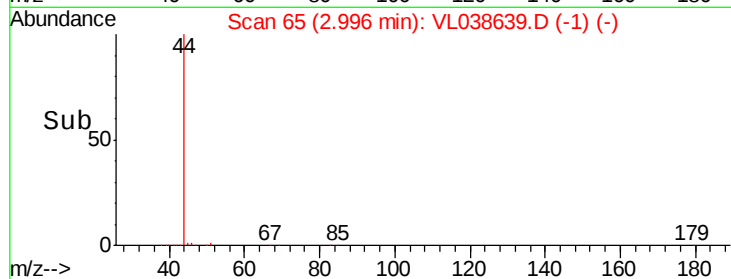
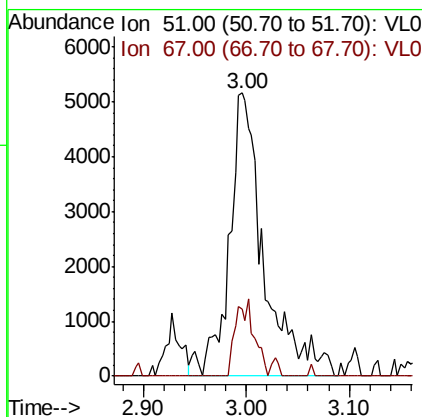
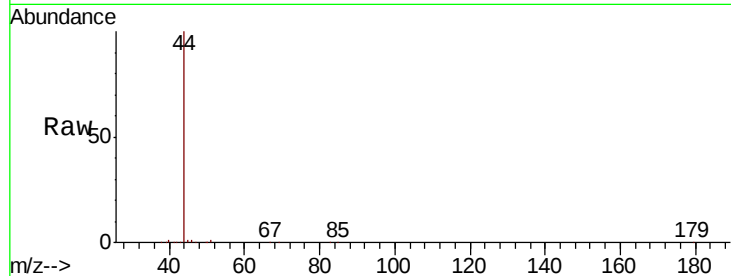
Ion 87.00 (86.70 to 87.70): VL0





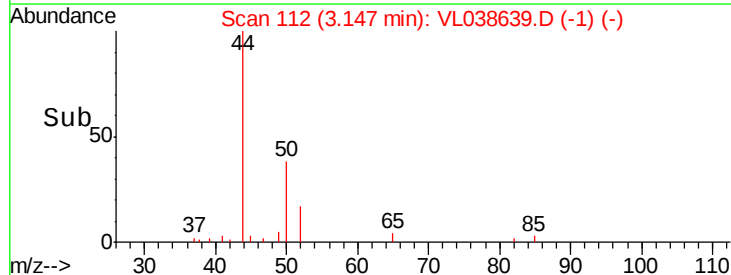
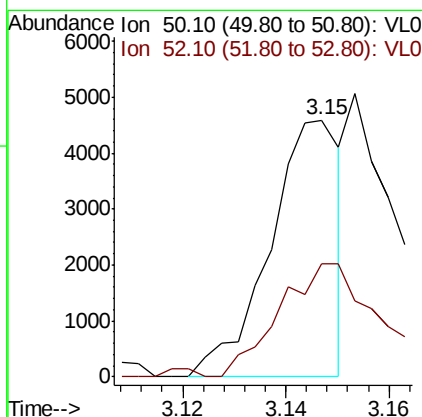
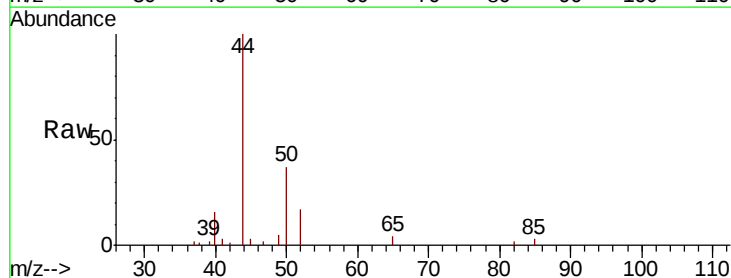
#3
 Chlorodifluoromethane
 Concen: 0.082 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COPA7
 Acq: 17 Mar 2022 23:45

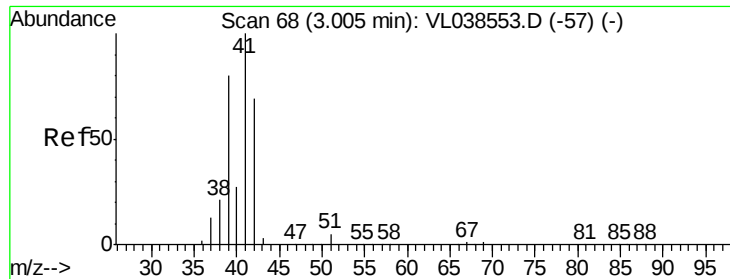
Tot Ion: 51 Resp: 12103
 Ion Ratio Lower Upper
 51 100
 67 15.9 13.6 20.4



#4
 Chloromethane
 Concen: 0.080 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VL038639.D
 Acq: 17 Mar 2022 23:45

Tgt Ion: 50 Resp: 4347
 Ion Ratio Lower Upper
 50 100
 52 41.0 25.6 38.4#





#9

Propene

Concen: 0.819 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COPA7

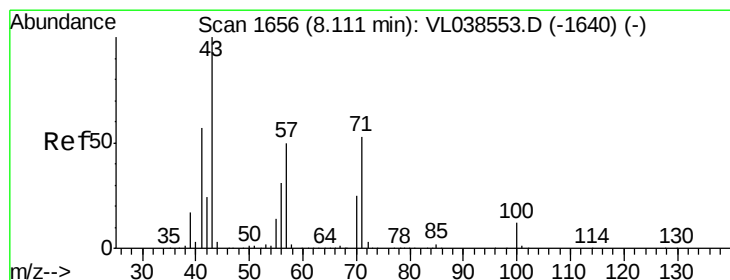
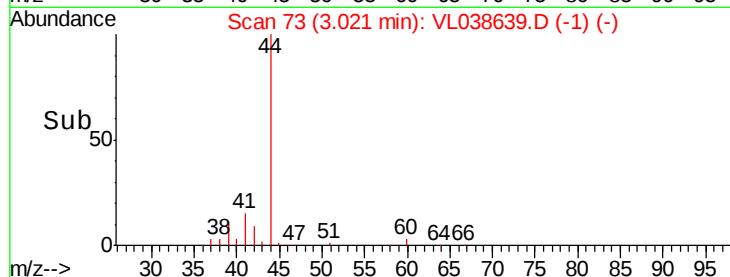
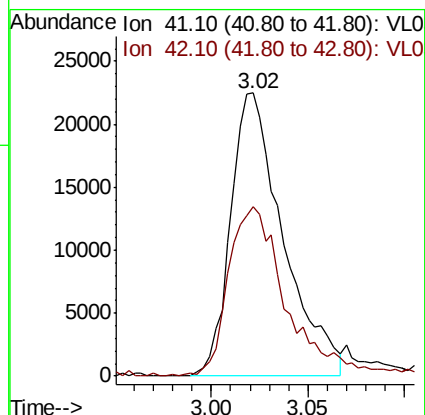
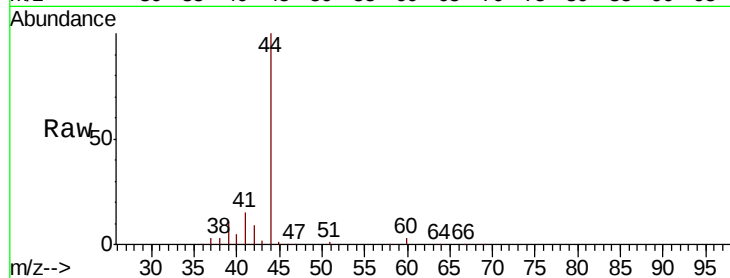
Acq: 17 Mar 2022 23:45

Tot Ion: 41 Resp: 42412

Ion Ratio Lower Upper

41 100

42 67.4 55.7 83.5



#10

Heptane

Concen: 0.080 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.02 min

Lab File: VL038639.D

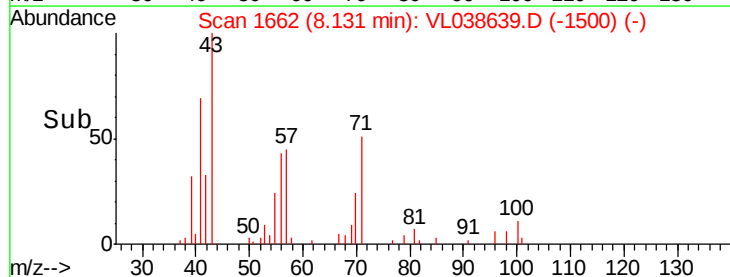
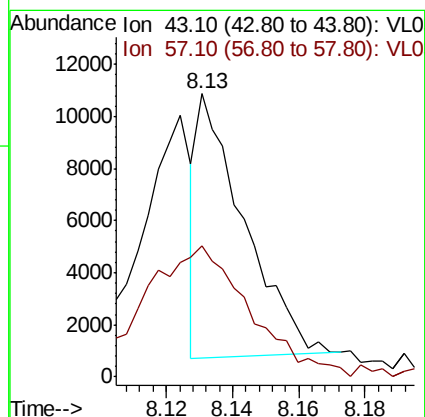
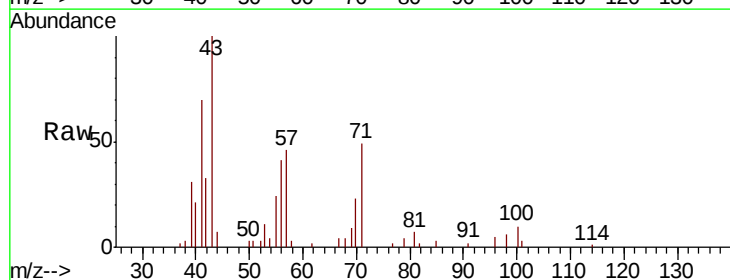
Acq: 17 Mar 2022 23:45

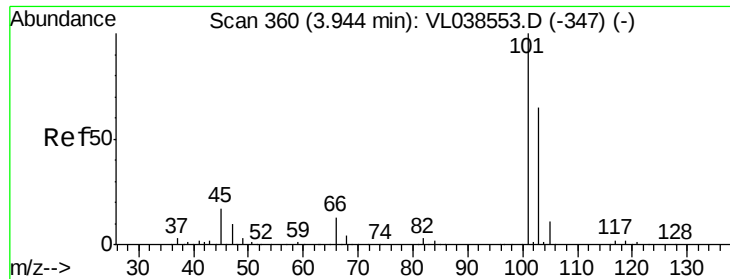
Tgt Ion: 43 Resp: 9900

Ion Ratio Lower Upper

43 100

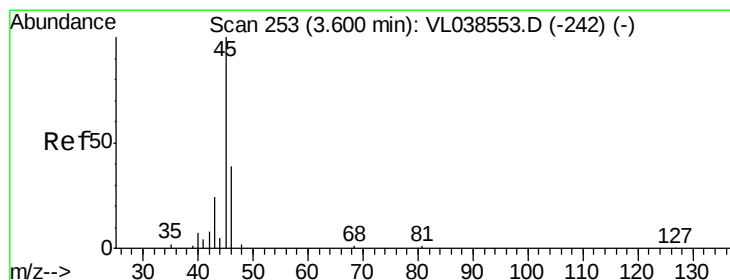
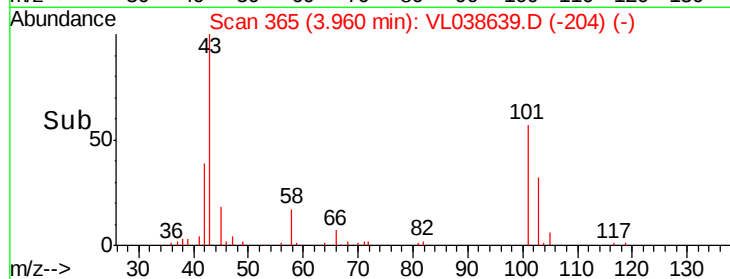
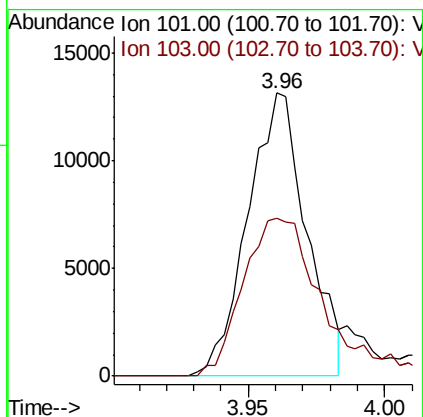
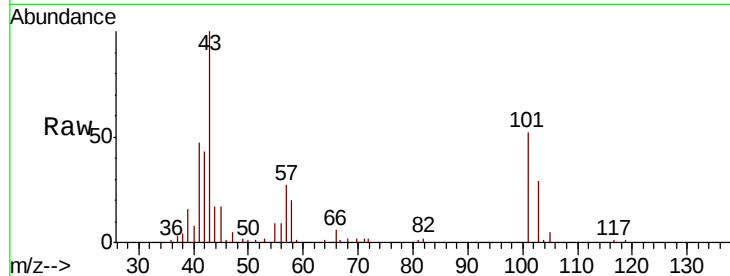
57 118.5 39.6 59.4#





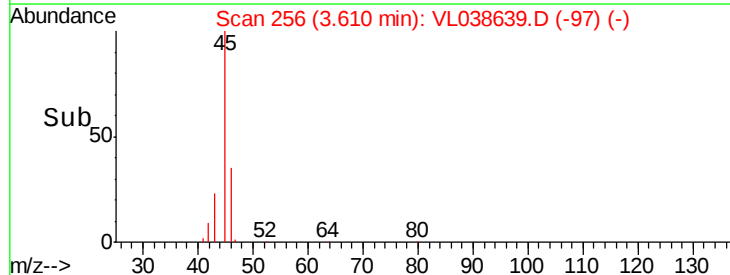
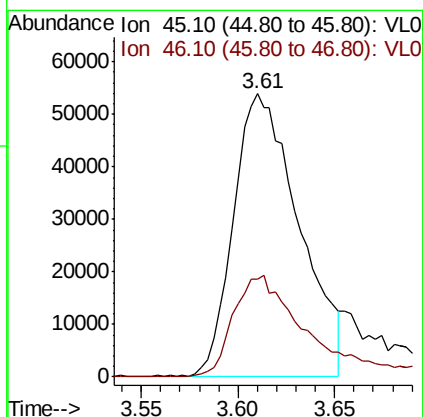
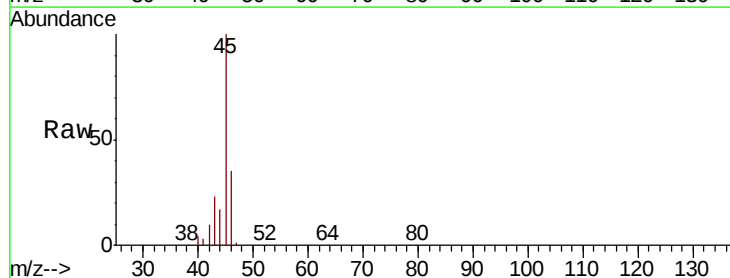
#11
 Trichlorofluoromethane
 Concen: 0.179 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COPA7
 Acq: 17 Mar 2022 23:45

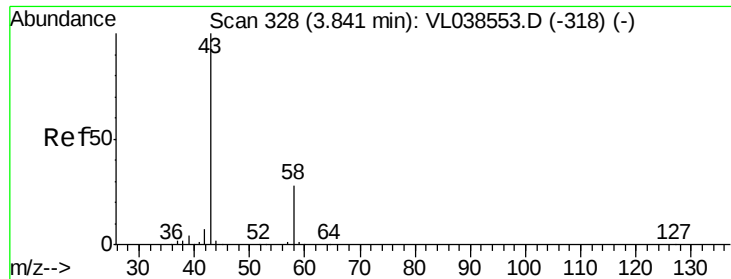
Tot Ion:101 Resp: 19696
 Ion Ratio Lower Upper
 101 100
 103 56.0 52.0 78.0



#13
 Ethanol
 Concen: 21.170 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL038639.D
 Acq: 17 Mar 2022 23:45

Tgt Ion: 45 Resp: 125946
 Ion Ratio Lower Upper
 45 100
 46 43.5 16.8 67.0





#15

Acetone

Concen: 17.449 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

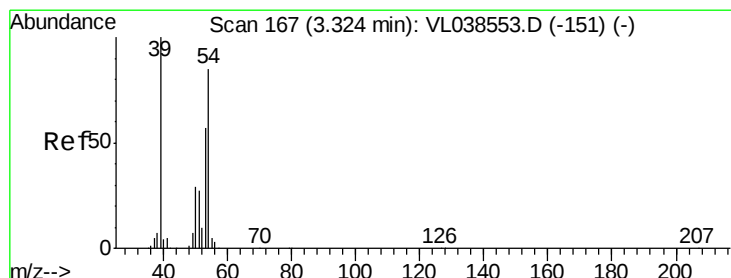
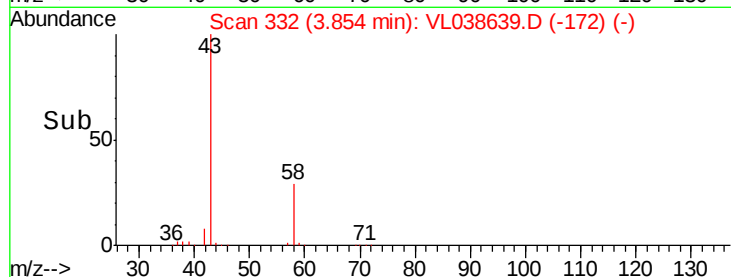
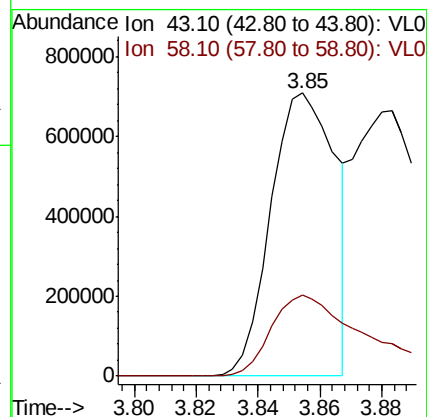
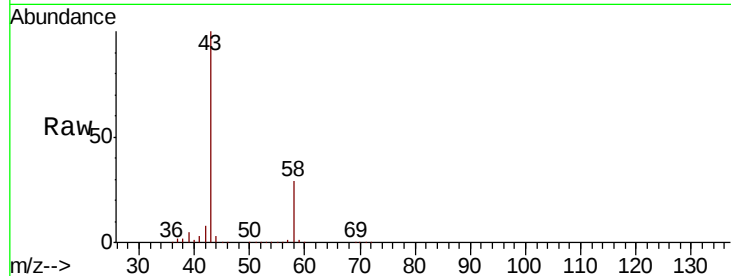
Acq: 17 Mar 2022 23:45

Tot Ion: 43 Resp: 1024539

Ion Ratio Lower Upper

43 100

58 48.0 22.7 34.1#



#16

1,3-Butadiene

Concen: 2.431 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL038639.D

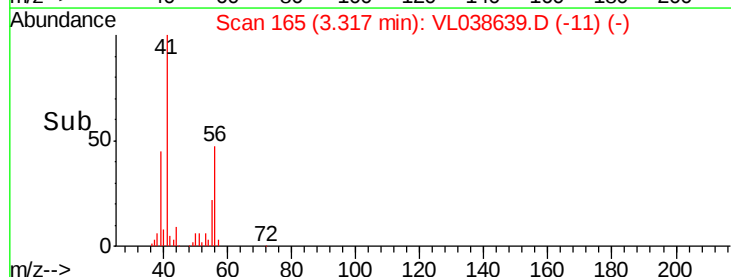
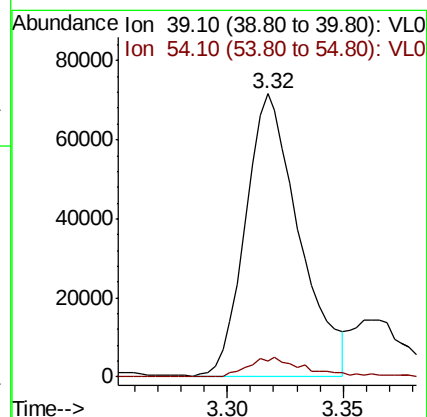
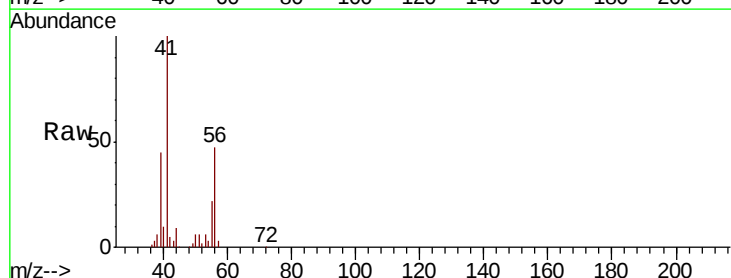
Acq: 17 Mar 2022 23:45

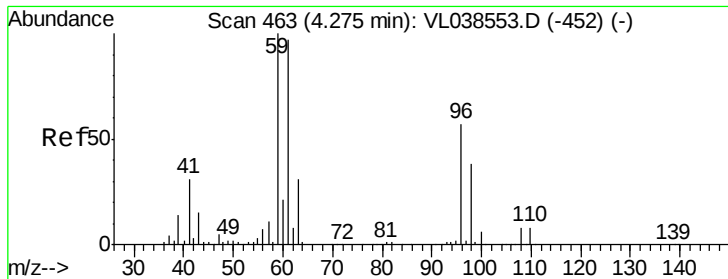
Tgt Ion: 39 Resp: 114714

Ion Ratio Lower Upper

39 100

54 7.9 64.2 96.2#





#17

tert-Butyl alcohol

Concen: 0.294 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

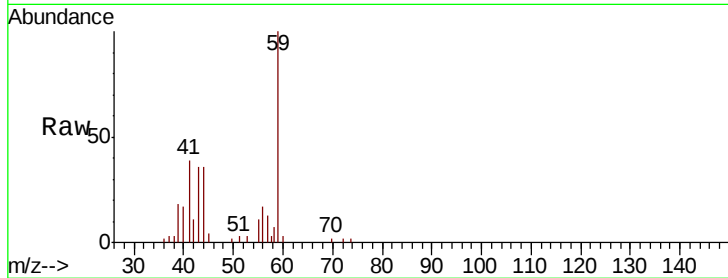
Acq: 17 Mar 2022 23:45

Tot Ion: 59 Resp: 18729

Ion Ratio Lower Upper

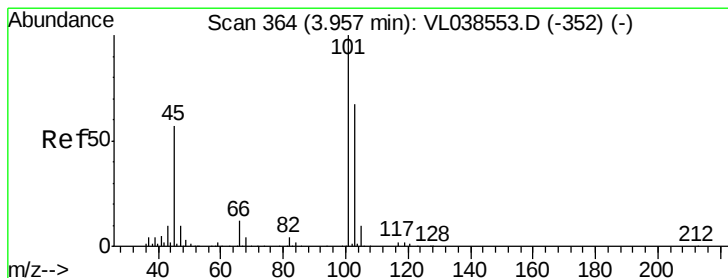
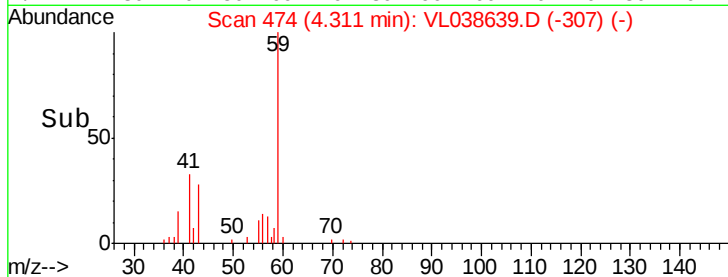
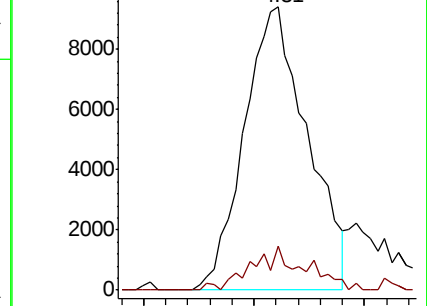
59 100

57 0.0 8.1 12.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.660 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL038639.D

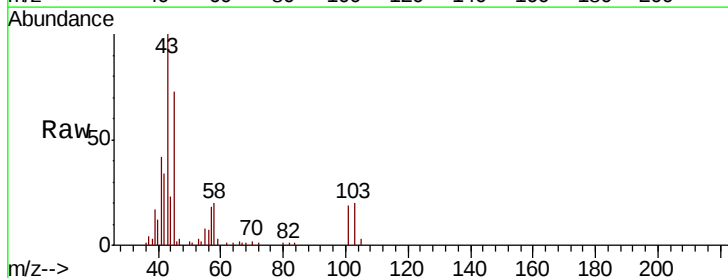
Acq: 17 Mar 2022 23:45

Tgt Ion: 45 Resp: 25867

Ion Ratio Lower Upper

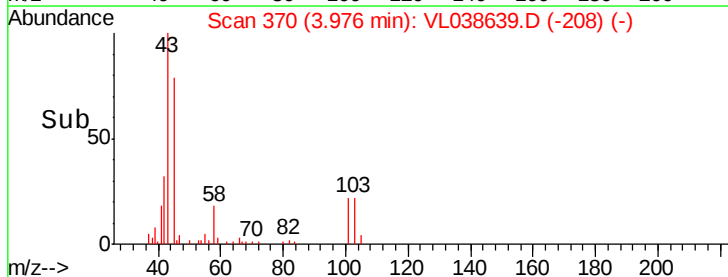
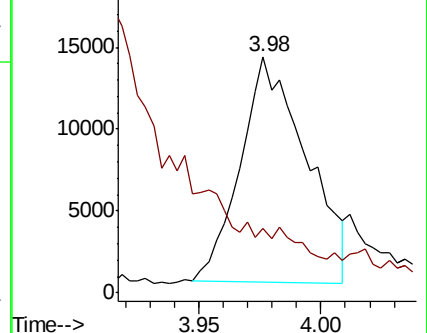
45 100

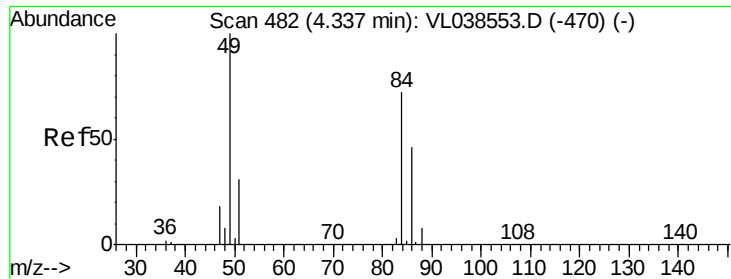
58 0.0 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

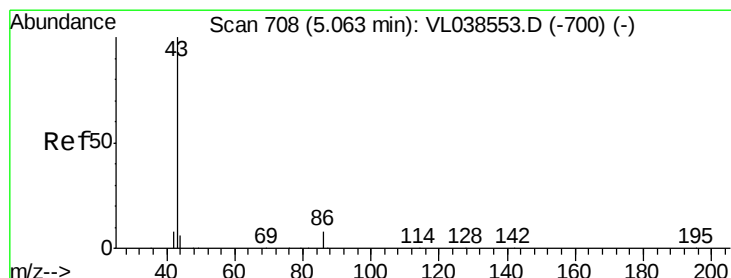
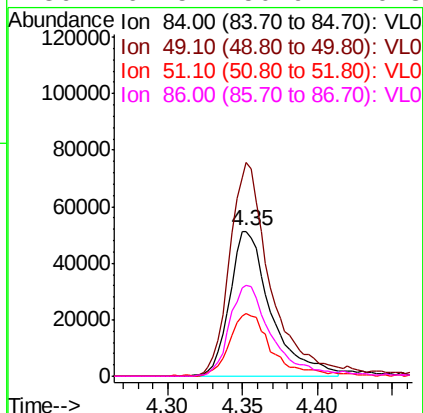
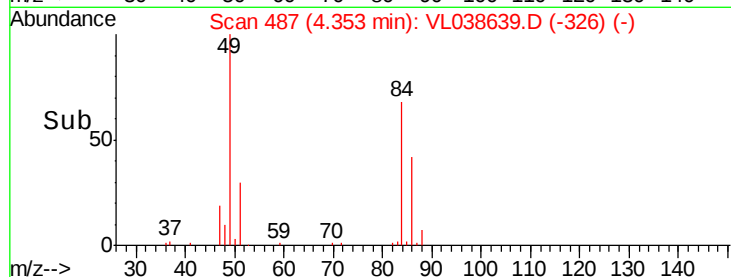
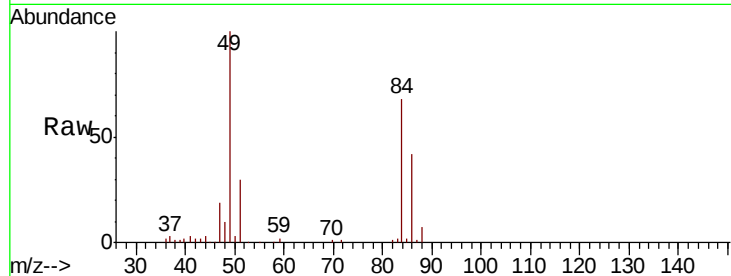
Ion 58.10 (57.80 to 58.80): VL0





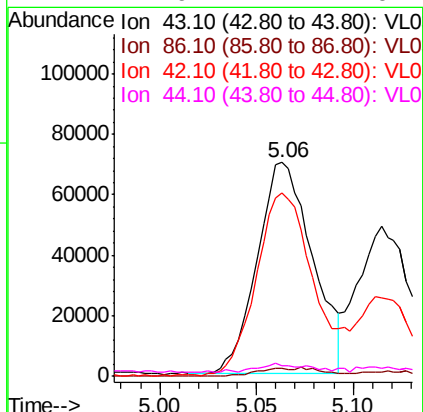
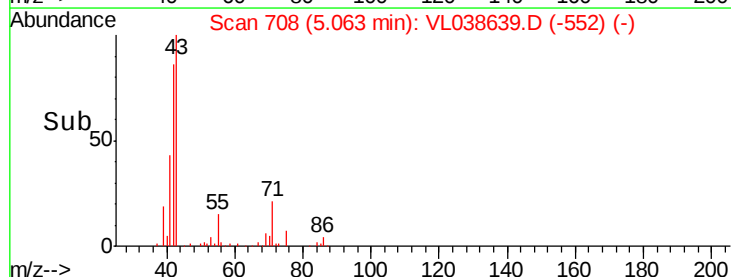
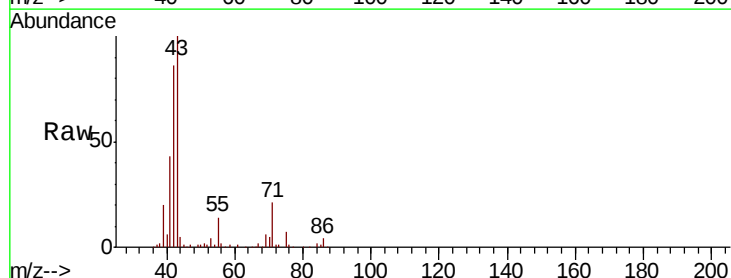
#20
Methvlene Chloride
Concen: 2.788 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COPA7
Acq: 17 Mar 2022 23:45

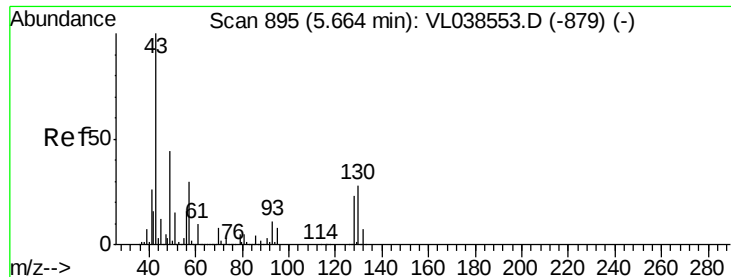
Tot Ion:	84	Resp:	98495
Ion	Ratio	Lower	Upper
84	100		
49	147.3	111.1	166.7
51	43.1	34.0	51.0
86	62.5	50.9	76.3



#23
Vinyl Acetate
Concen: 1.664 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

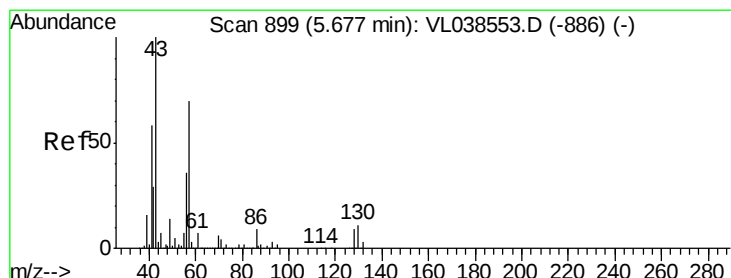
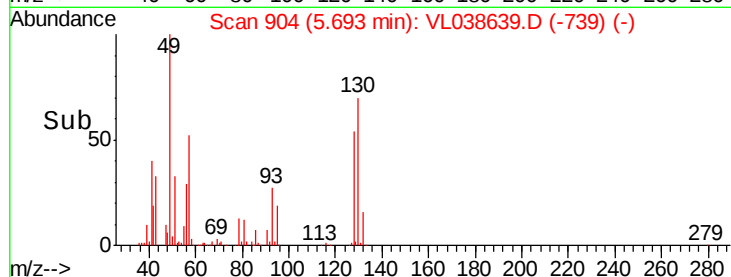
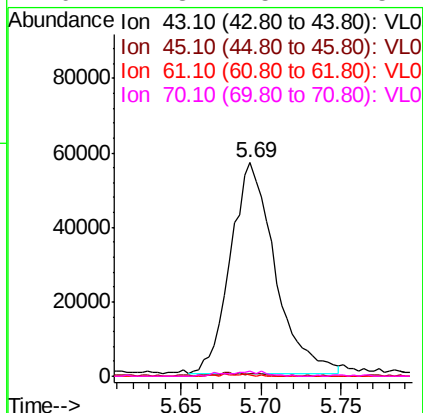
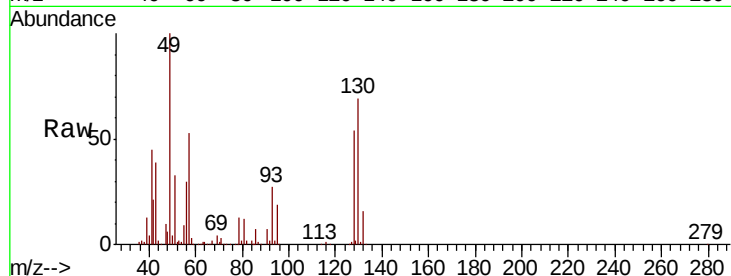
Tgt Ion:	43	Resp:	140053
Ion	Ratio	Lower	Upper
43	100		
86	3.9	5.6	8.4#
42	86.1	7.1	10.7#
44	2.9	4.1	6.1#





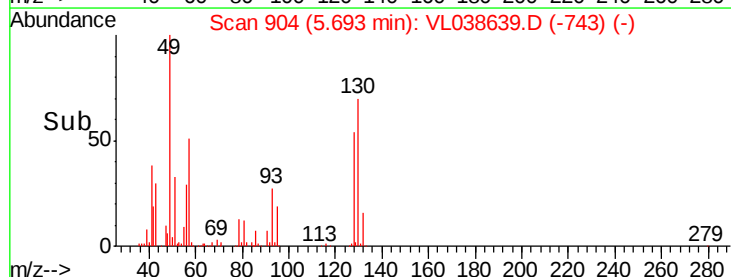
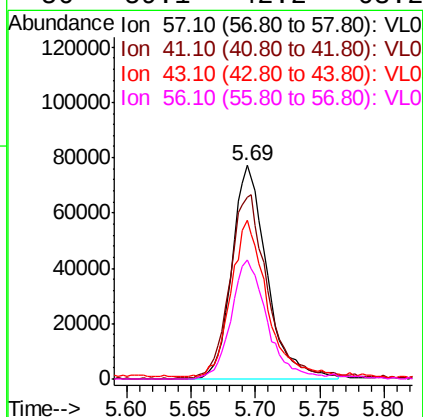
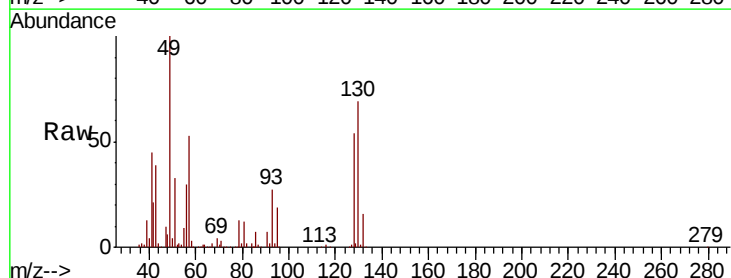
#25
Ethyl Acetate
Concen: 0.542 ppbv
RT: 5.69
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
COPA7
Acq: 17 Mar 2022 23:45

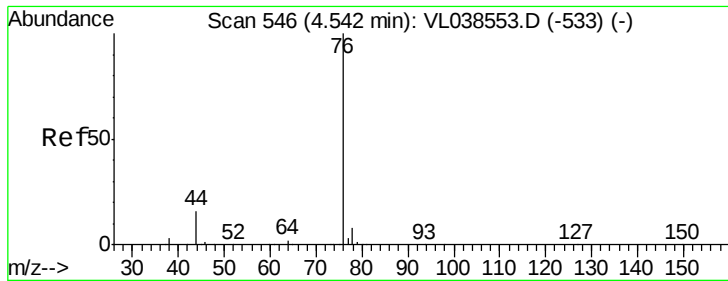
Tot Ion:	43	Resp:	107246
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.0	12.0#
61	0.7	8.2	12.4#
70	2.3	5.4	8.2#



#26
Hexane
Concen: 1.570 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.02 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

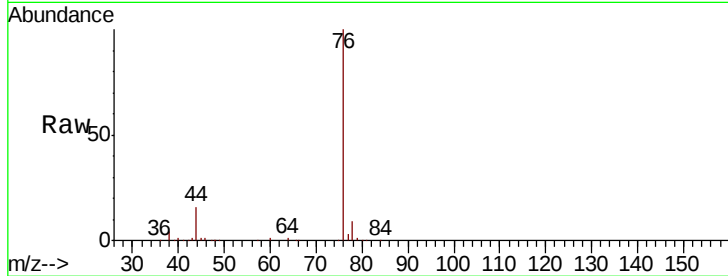
Tgt Ion:	57	Resp:	145833
Ion	Ratio	Lower	Upper
57	100		
41	97.4	67.8	101.6
43	77.1	173.6	260.4#
56	59.1	42.2	63.2



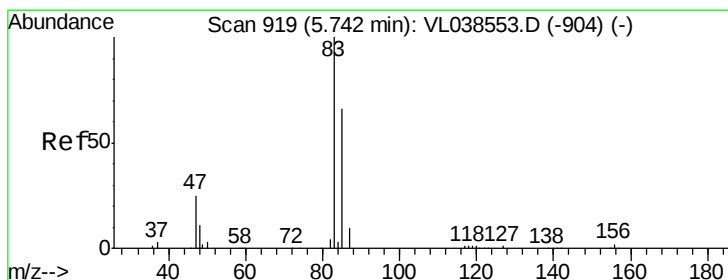
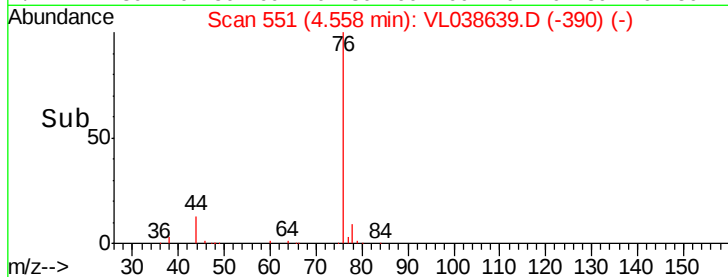
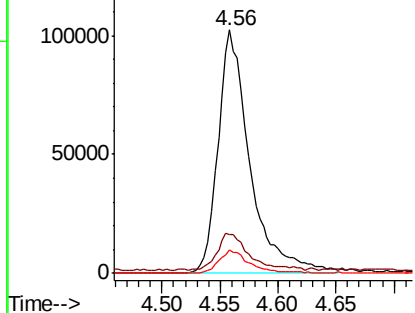


#27
 Carbon Disulfide
 Concen: 2.123 ppbv
 RT: 4.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 23:45

Tot Ion	76	Resp	196310
Ion Ratio	Lower	Upper	
76	100		
44	15.7	12.9	19.3
78	9.4	7.8	11.6

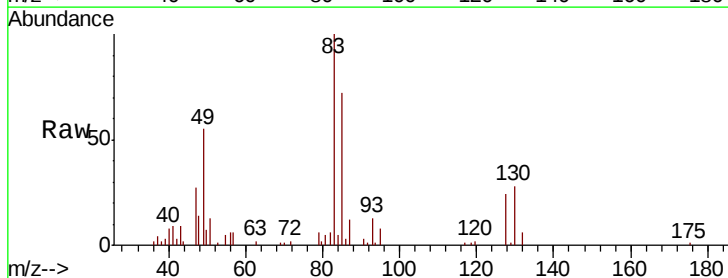


Abundance Ion 76.00 (75.70 to 76.70): VL0
 Ion 44.10 (43.80 to 44.80): VL0
 Ion 78.00 (77.70 to 78.70): VL0

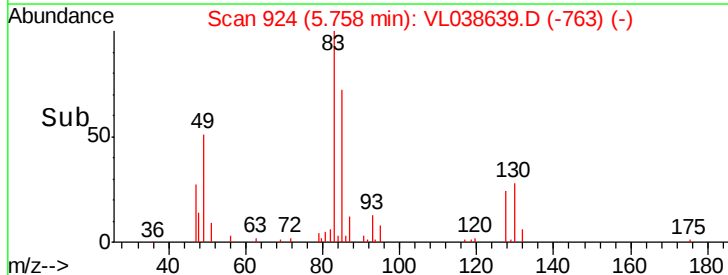
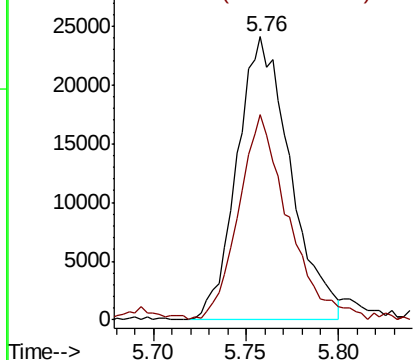


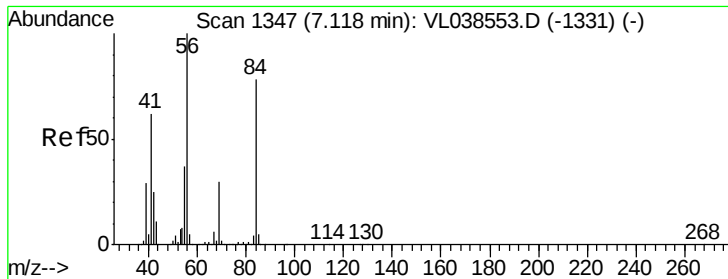
#29
 Chloroform
 Concen: 0.335 ppbv
 RT: 5.76 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VL038639.D
 Acq: 17 Mar 2022 23:45

Tgt Ion	83	Resp	48376
Ion Ratio	Lower	Upper	
83	100		
85	72.4	52.8	79.2



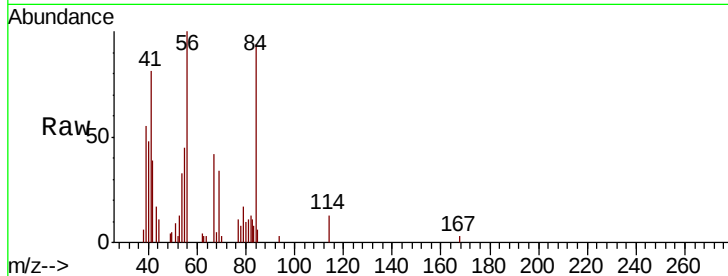
Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0



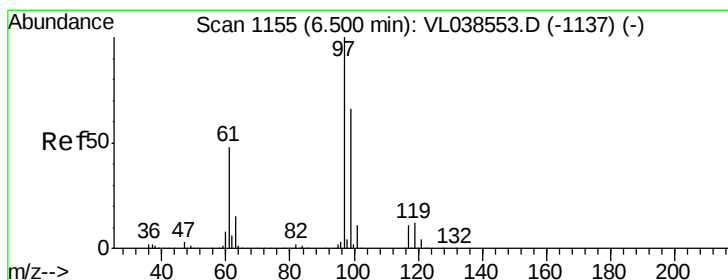
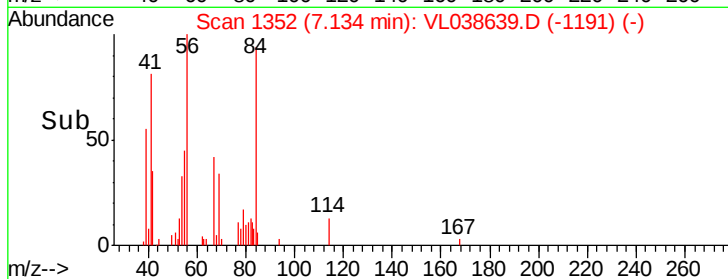
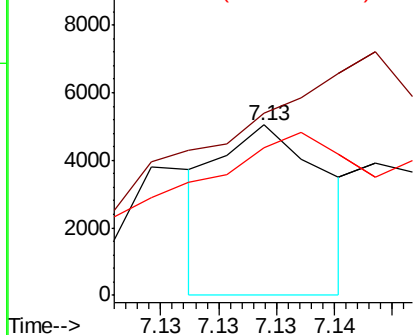


#30
Cvclohexane
Concen: 0.040 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 23:45

Tot Ion: 84 Resp: 3228
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 403.3 65.5 98.3#

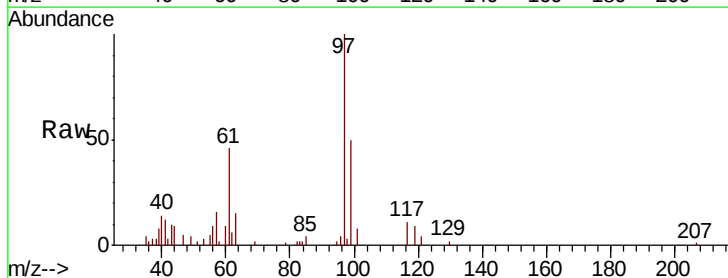


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

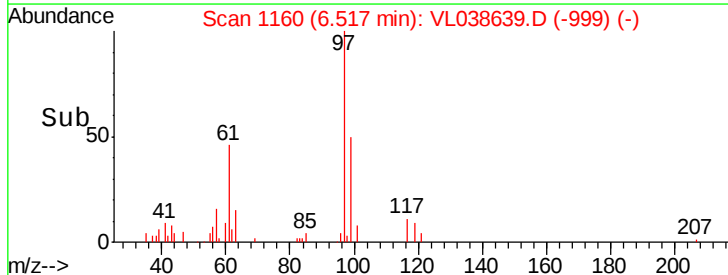
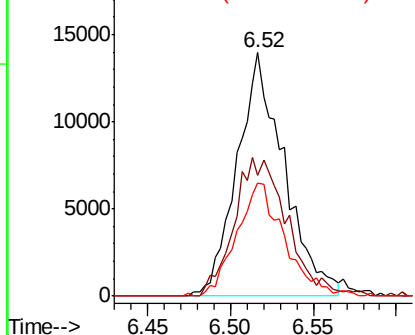


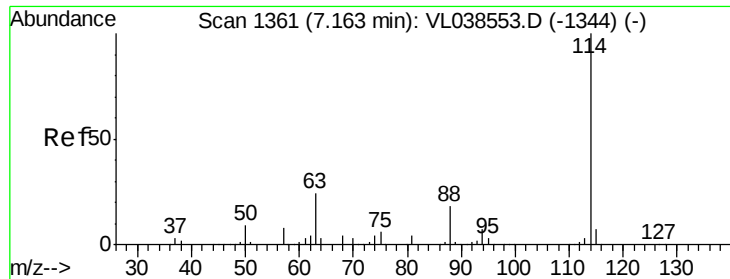
#32
1,1,1-Trichloroethane
Concen: 0.196 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.02 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

Tgt Ion: 97 Resp: 27496
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 47.5 37.7 56.5



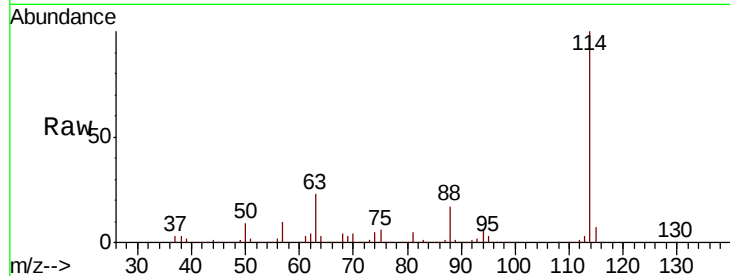
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



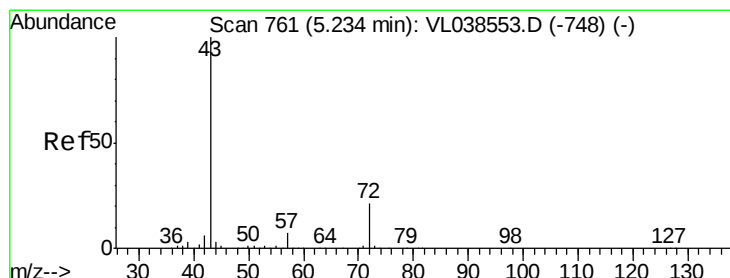
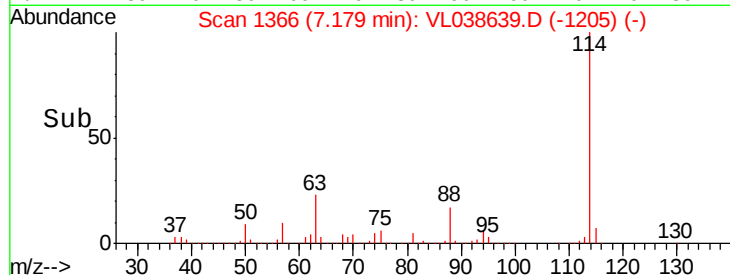
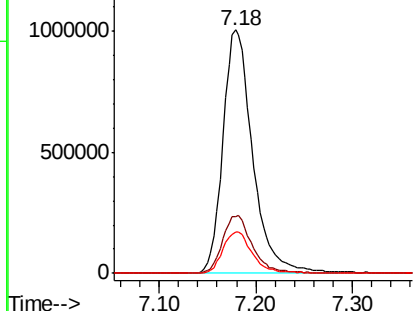


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 COPA7
 Acq: 17 Mar 2022 23:45

Tot Ion:114 Resp: 2153350
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.1 13.9 20.9

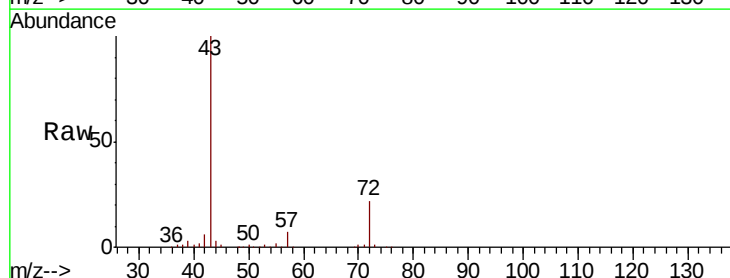


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

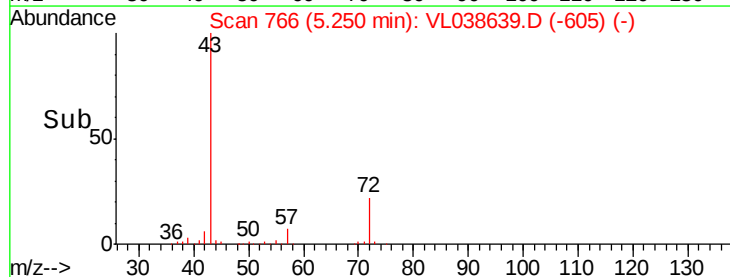
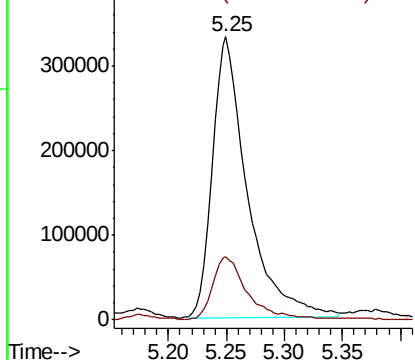


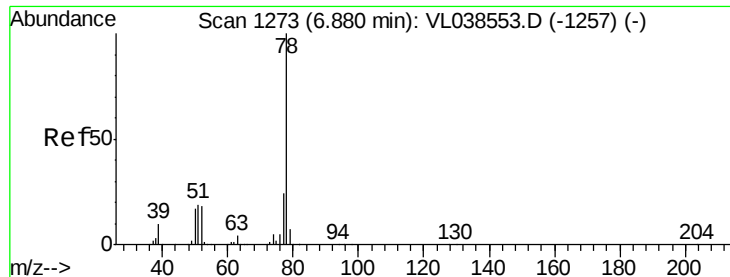
#34
 2-Butanone
 Concen: 12.537 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL038639.D
 Acq: 17 Mar 2022 23:45

Tgt Ion: 43 Resp: 699774
 Ion Ratio Lower Upper
 43 100
 72 22.8 17.8 26.6



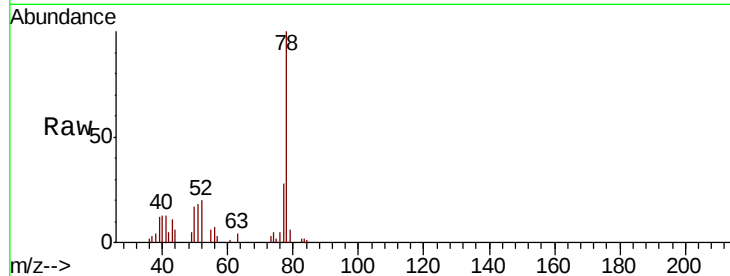
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



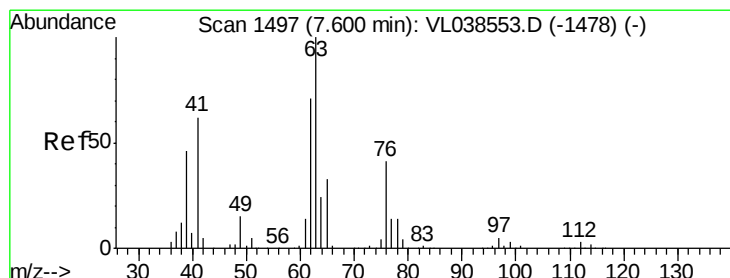
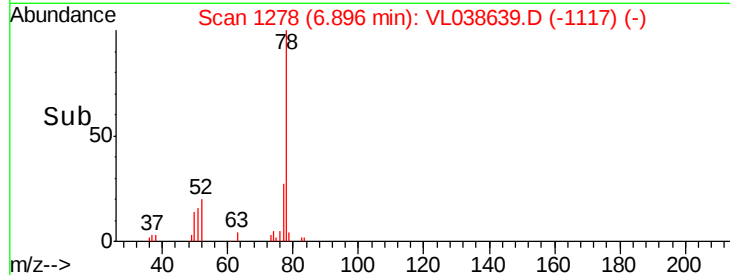
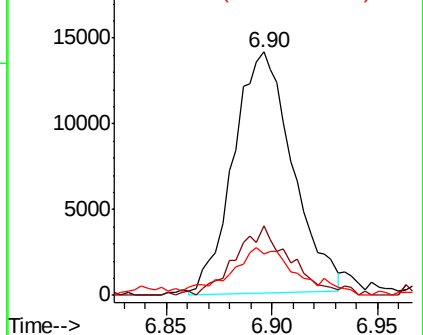


#36
Benzene
Concen: 0.142 ppbv
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 23:45

Tot Ion	78	Resp	27524
Ion Ratio	Lower	Upper	
78	100		
77	27.1	19.0	28.4
50	13.7	13.9	20.9#

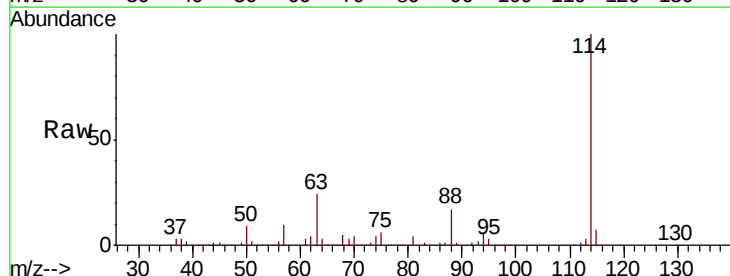


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

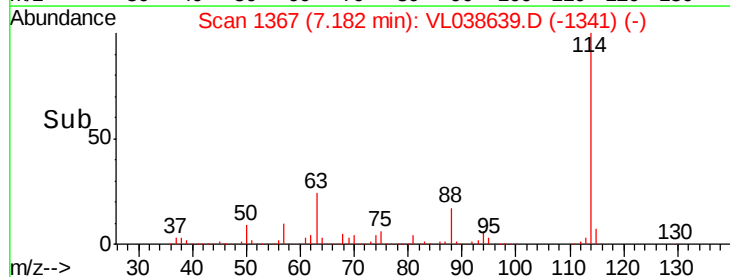
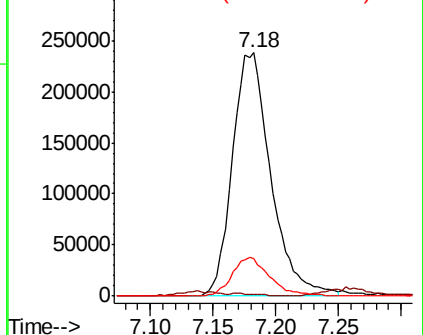


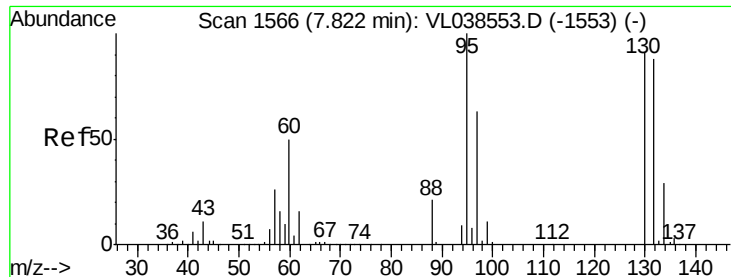
#39
1,2-Dichloropropane
Concen: 6.799 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.42 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

Tgt Ion	63	Resp	508103
Ion Ratio	Lower	Upper	
63	100		
41	0.0	49.8	74.6#
62	15.6	56.7	85.1#



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





#40

1,4-Dioxane

Concen: 0.035 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:45

Tot Ion: 88 Resp: 647

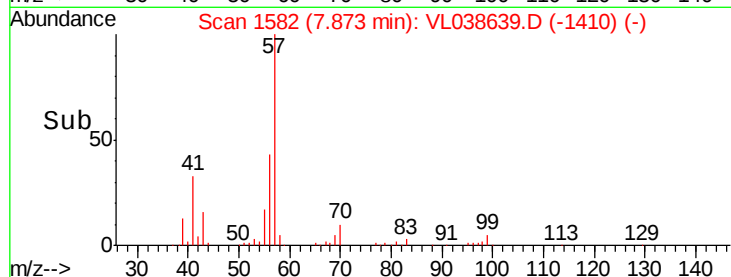
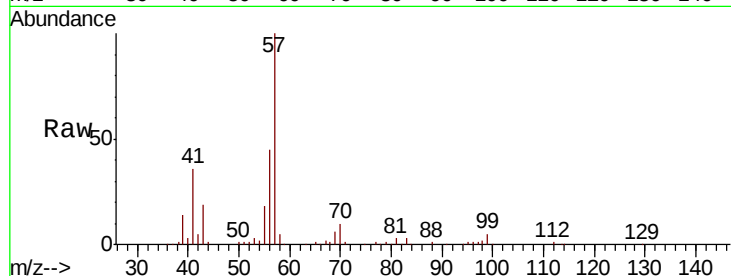
Ion Ratio Lower Upper

88 100

58 2485.6 126.7 190.1#

43 10193.5 303.0 454.6#

57 52321.5 1368.6 2053.0#

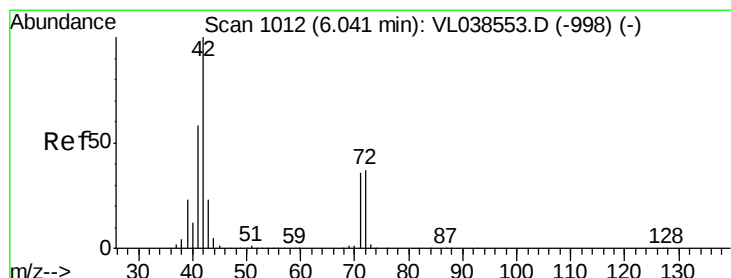
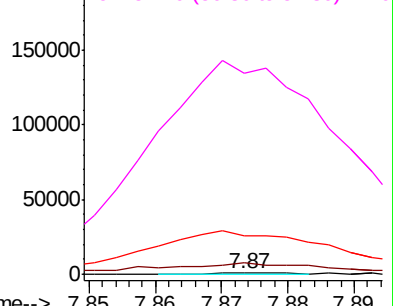


Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#41

Tetrahydrofuran

Concen: 0.038 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.04 min

Lab File: VL038639.D

Acq: 17 Mar 2022 23:45

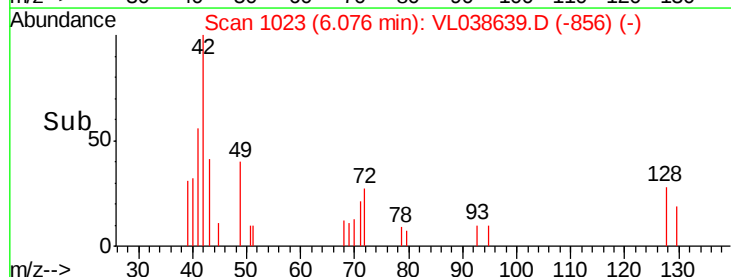
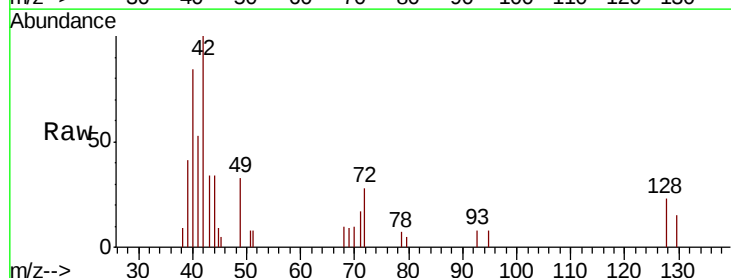
Tgt Ion: 42 Resp: 1754

Ion Ratio Lower Upper

42 100

72 149.7 30.9 46.3#

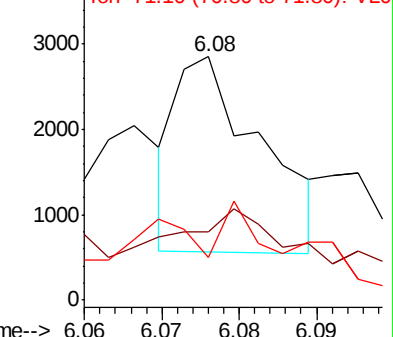
71 103.1 29.1 43.7#

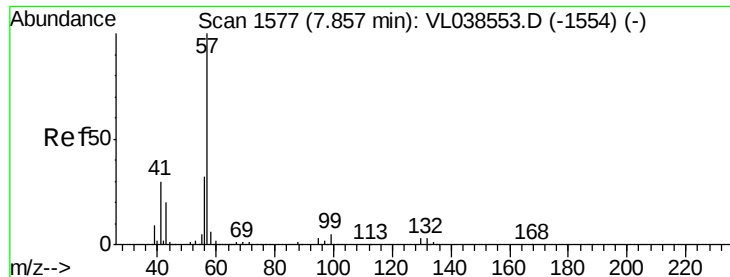


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

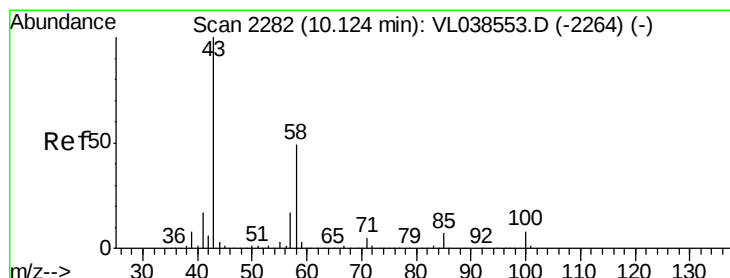
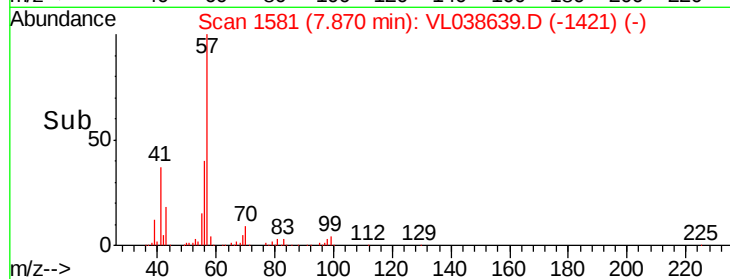
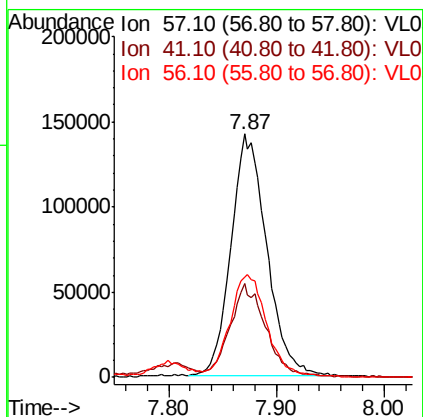
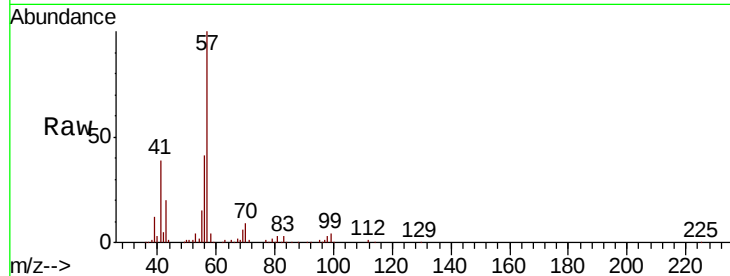
Ion 71.10 (70.80 to 71.80): VL0





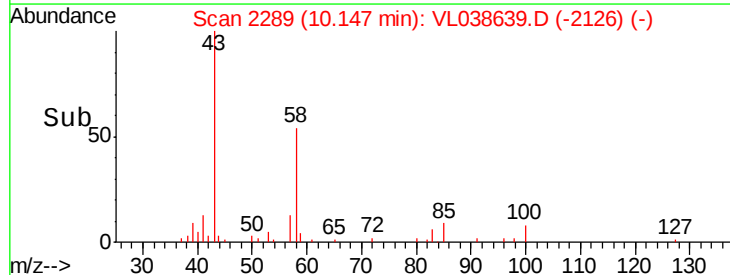
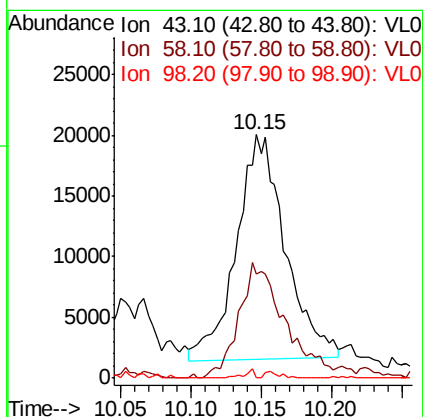
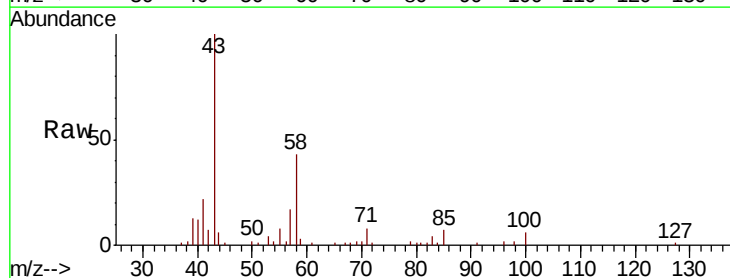
#44
 2,2,4-Trimethylpentane
 Concen: 0.997 ppbv
 RT: 7.87
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COPA7
 Acq: 17 Mar 2022 23:45

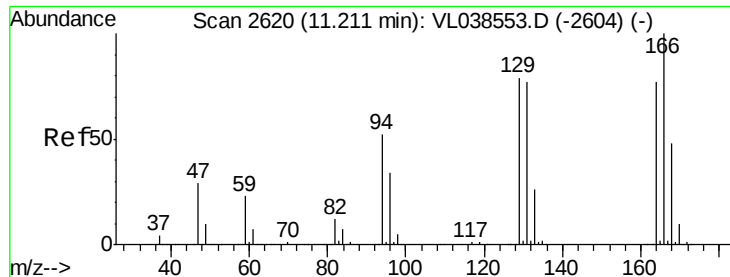
Tot Ion: 57 Resp: 327586
 Ion Ratio Lower Upper
 57 100
 41 38.8 24.0 36.0#
 56 44.8 25.6 38.4#



#51
 2-Hexanone
 Concen: 0.931 ppbv
 RT: 10.15 min Scan# 2289
 Delta R.T. 0.02 min
 Lab File: VL038639.D
 Acq: 17 Mar 2022 23:45

Tgt Ion: 43 Resp: 45036
 Ion Ratio Lower Upper
 43 100
 58 51.6 40.1 60.1
 98 1.6 0.4 0.6#





#52

Tetrachloroethene

Concen: 35.529 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Mar 2022 23:45

Tot Ion:164 Resp: 2530521

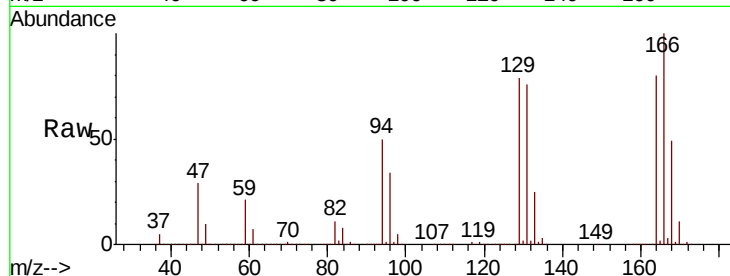
Ion Ratio Lower Upper

164 100

166 125.1 103.4 155.2

129 98.3 81.3 121.9

131 95.4 79.8 119.8

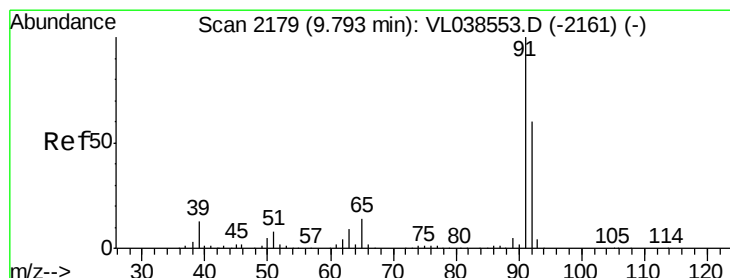
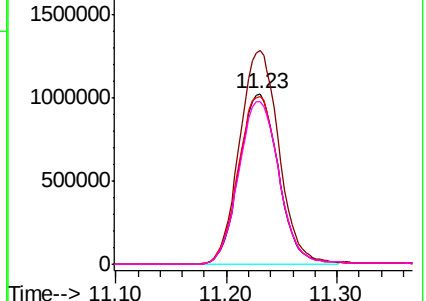
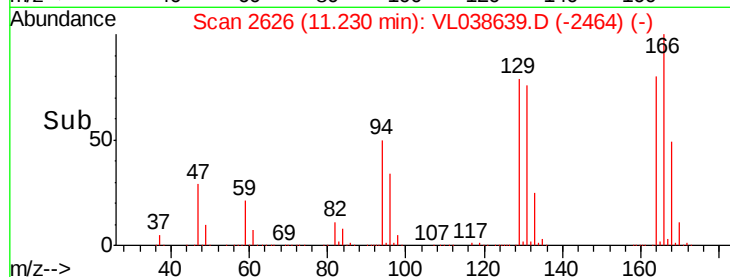


Abundance Ion 163.90 (163.60 to 164.60): V

2000000 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: 0.413 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.02 min

Lab File: VL038639.D

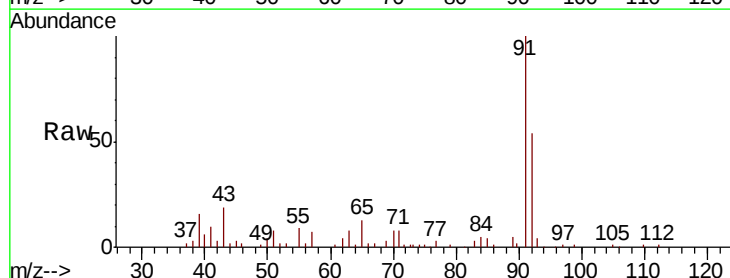
Acq: 17 Mar 2022 23:45

Tgt Ion: 91 Resp: 85623

Ion Ratio Lower Upper

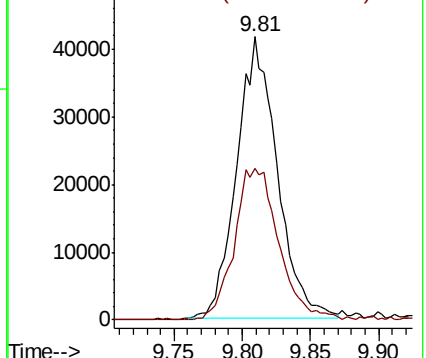
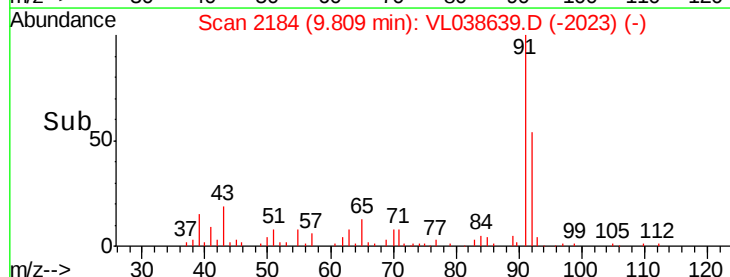
91 100

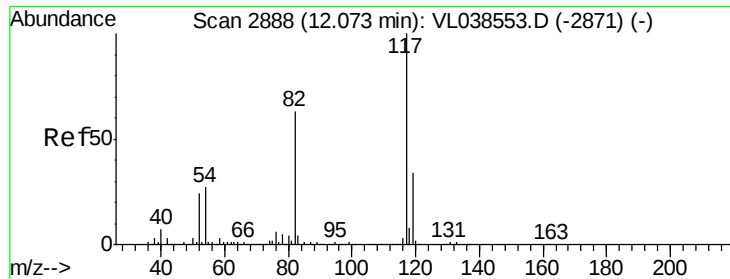
92 59.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

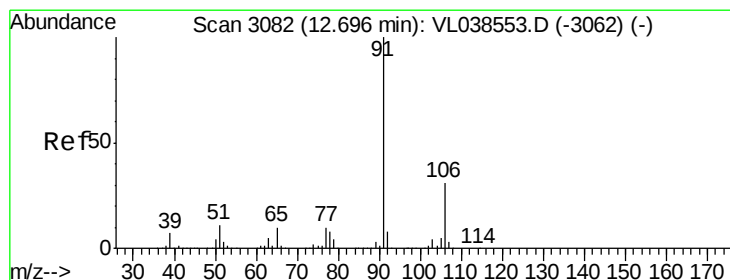
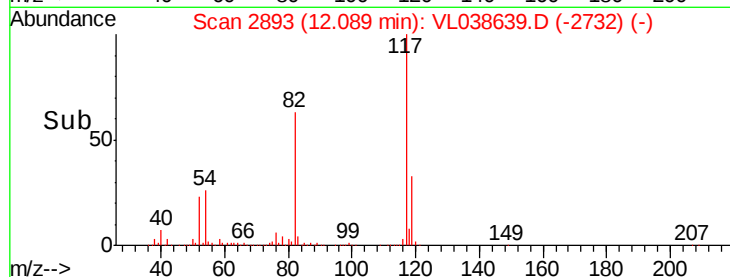
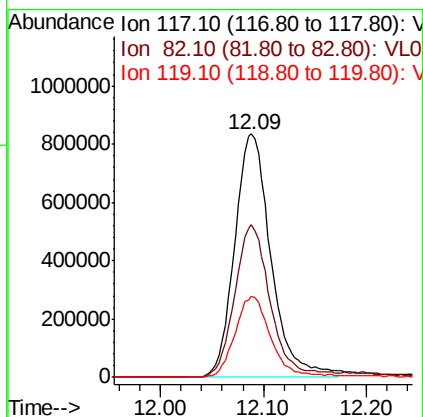
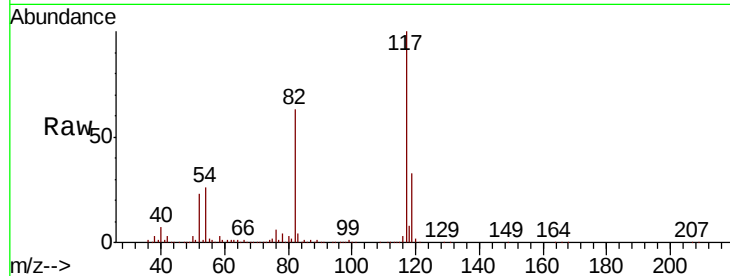
Ion 92.10 (91.80 to 92.80): VL0





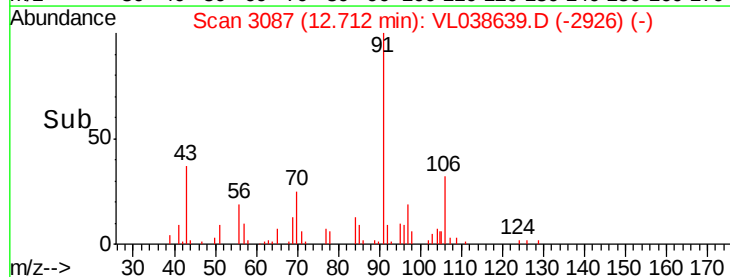
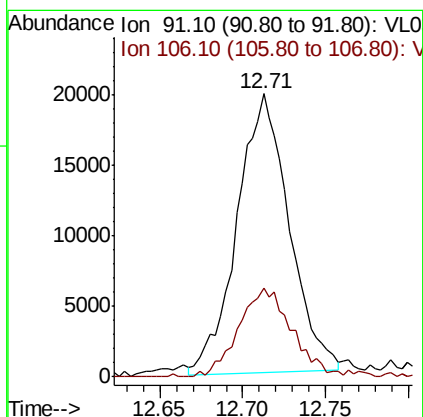
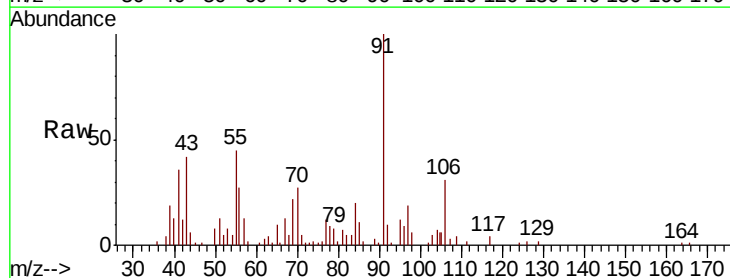
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COPA7
Acq: 17 Mar 2022 23:45

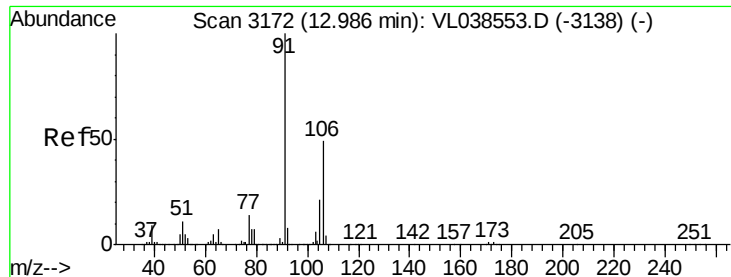
Tot Ion:117 Resp: 2047627
Ion Ratio Lower Upper
117 100
82 61.7 52.5 78.7
119 34.3 46.4 69.6#



#58
Ethyl Benzene
Concen: 0.164 ppbv
RT: 12.71 min Scan# 3087
Delta R.T.: 0.02 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

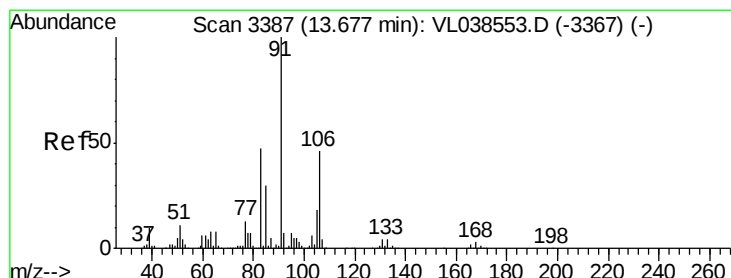
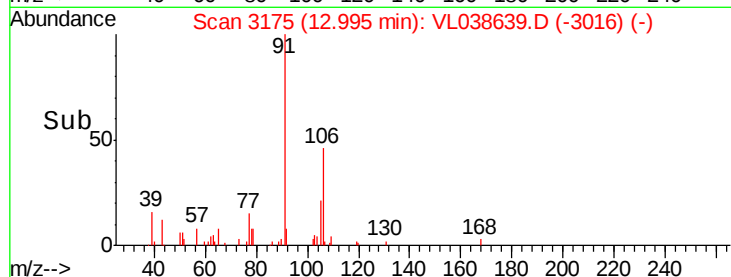
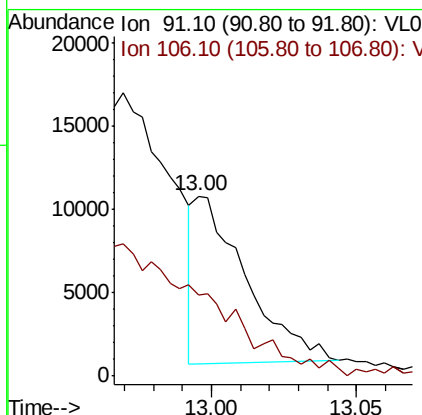
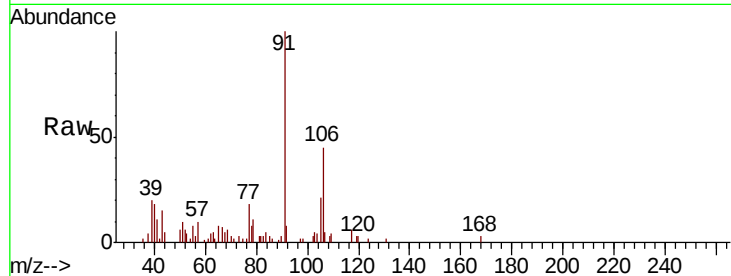
Tgt Ion: 91 Resp: 43375
Ion Ratio Lower Upper
91 100
106 32.5 24.6 37.0





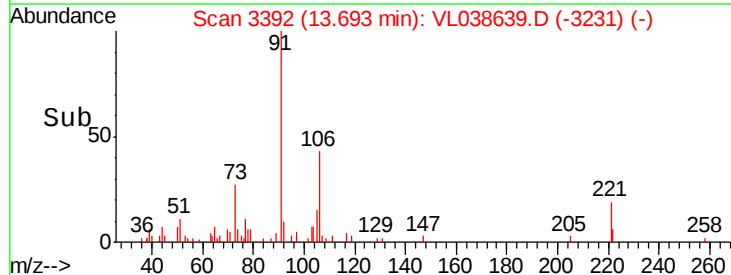
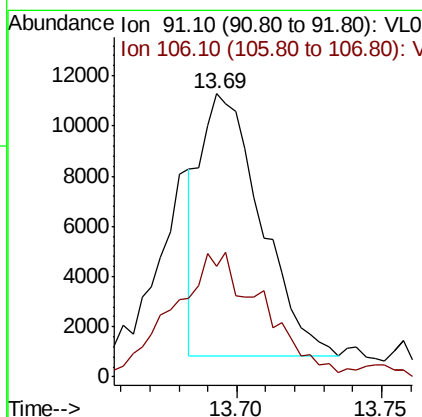
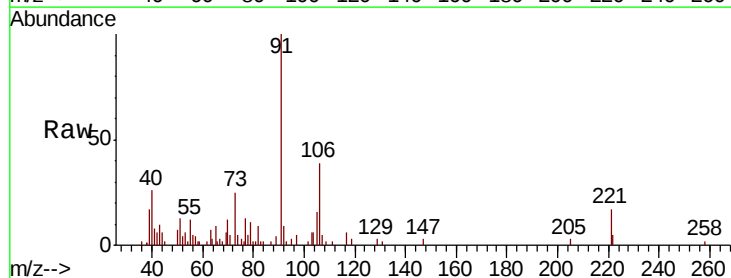
#59
m/p-Xylene
Concen: 0.055 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 23:45

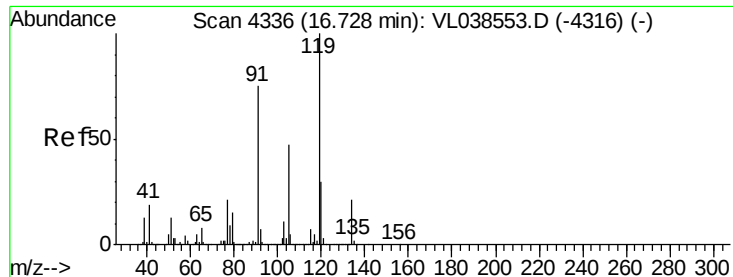
Tot Ion: 91 Resp: 12378
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.071 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

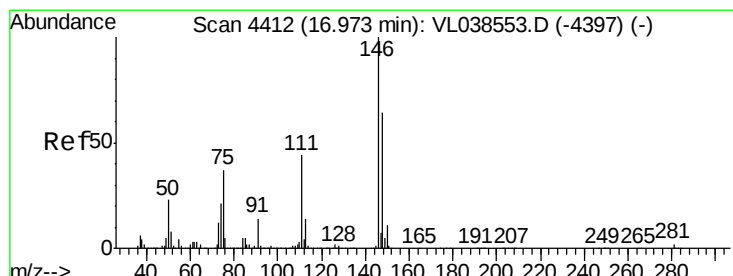
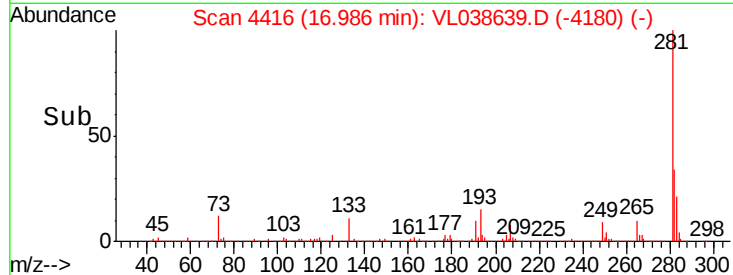
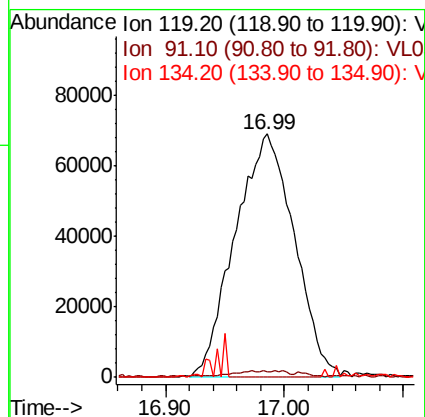
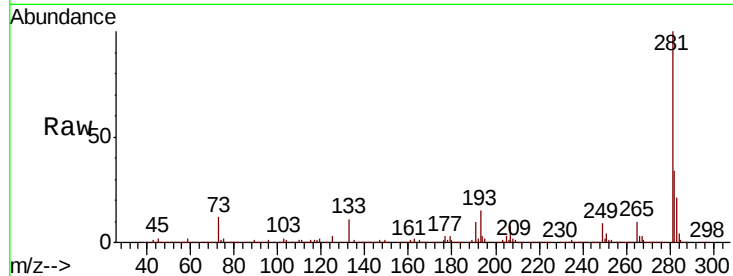
Tgt Ion: 91 Resp: 15205
Ion Ratio Lower Upper
91 100
106 76.4 23.5 70.6#





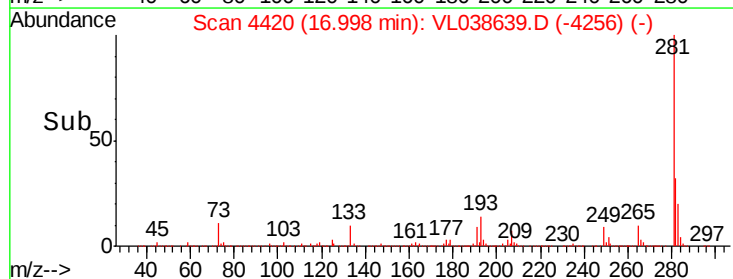
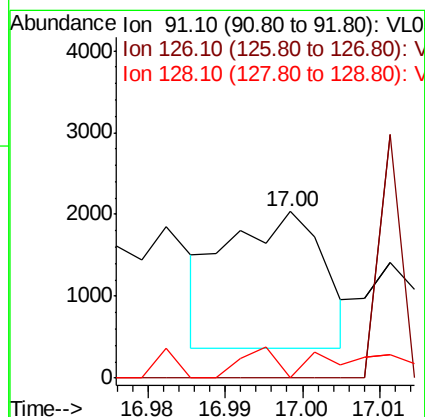
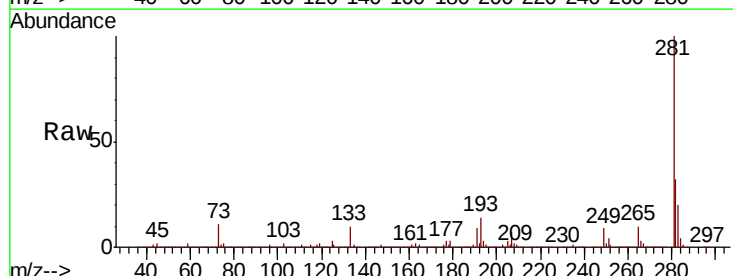
#65
tert-Butylbenzene
Concen: 0.899 ppbv
RT: 16.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COPA7
Acq: 17 Mar 2022 23:45

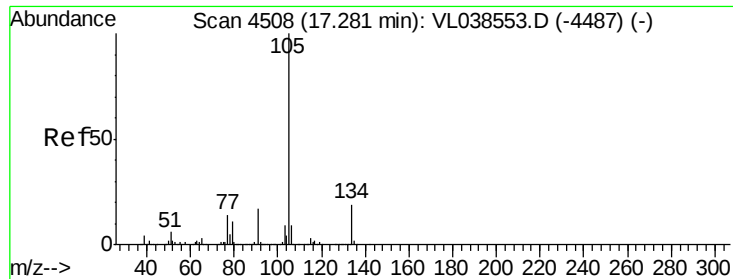
Tot Ion	Ratio	Lower	Upper
119	100		
91	2.1	61.2	91.8#
134	2.7	16.2	24.2#



#66
Benzyl Chloride
Concen: 0.092 ppbv
RT: 17.00 min Scan# 4420
Delta R.T.: 0.03 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	21.1#
128	24.2	5.1	7.7#





#67

sec-Butylbenzene

Concen: 0.090 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

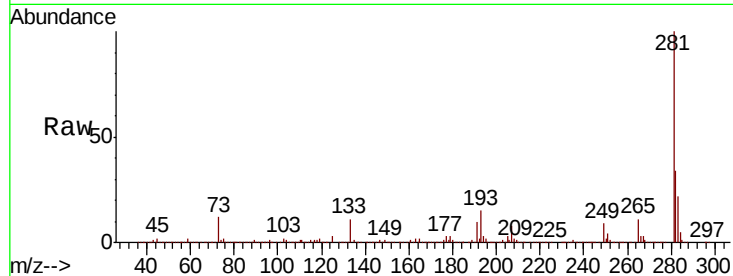
Acq: 17 Mar 2022 23:45

Tot Ion:105 Resp: 33714

Ion Ratio Lower Upper

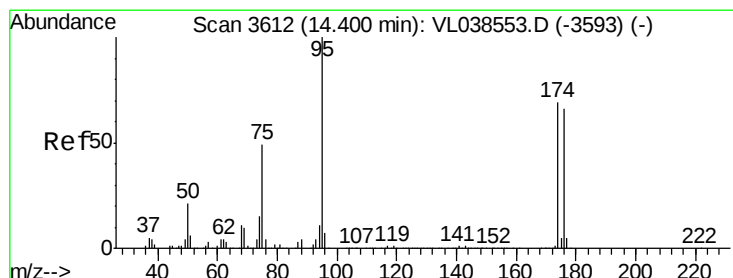
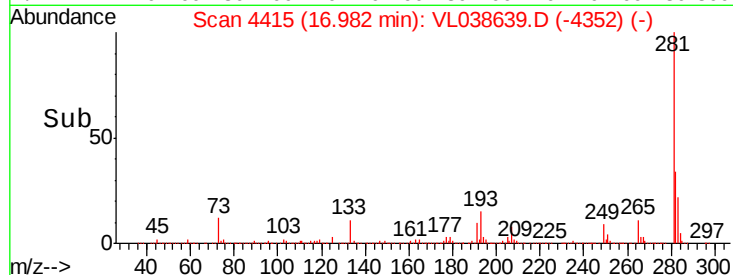
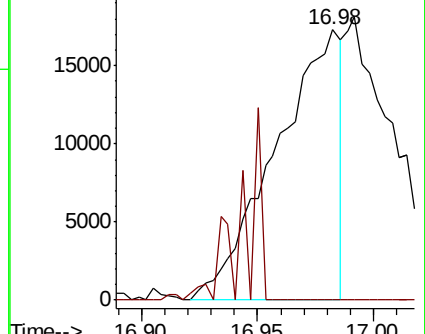
105 100

134 19.3 15.0 22.6



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: 9.252 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL038639.D

Acq: 17 Mar 2022 23:45

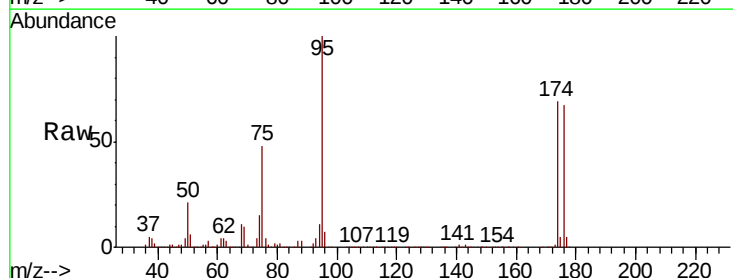
Tgt Ion: 95 Resp: 1440403

Ion Ratio Lower Upper

95 100

174 72.1 56.2 84.4

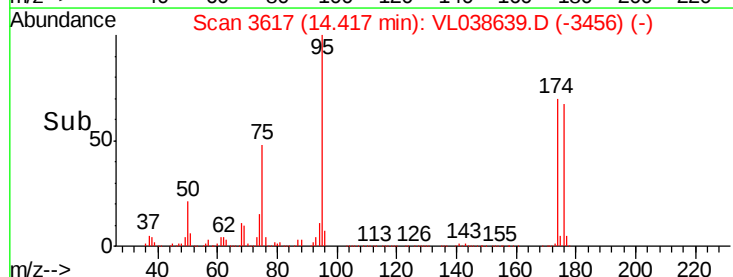
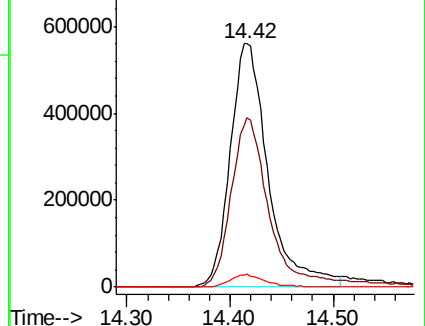
175 5.2 4.2 6.2

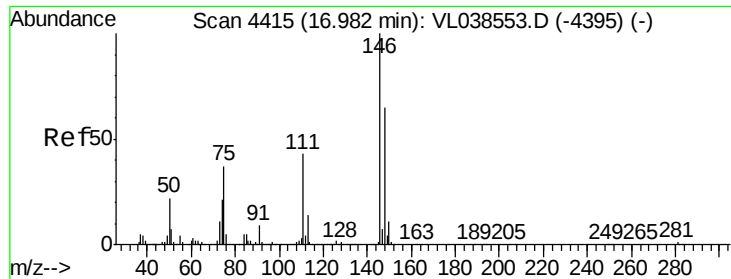


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#75

1,3-Dichlorobenzene

Concen: 0.076 ppbv

RT: 17.01

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

COPA7

Acq: 17 Mar 2022 23:43

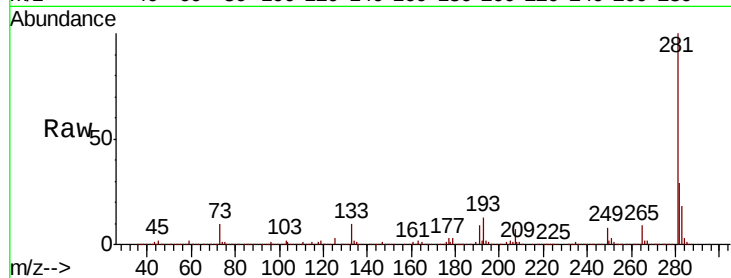
Tot Ion:146 Resp: 11651

Ion Ratio Lower Upper

146 100

111 0.0 21.9 65.8#

148 0.0 32.2 96.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

