

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039597.D
 Acq On : 26 Aug 2022 10:21
 Operator : SY/AP
 Sample : N3980-15 0.0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 26 23:55:16 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.208	49	990282	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2596199	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2282335	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1647527	9.568	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	19321	0.147	ppbv	98
3) Chlorodifluoromethane	2.697	51	12966	0.110	ppbv	95
4) Chloromethane	2.838	50	7663	0.108	ppbv #	80
5) Vinyl Chloride	2.938	62	2874	0.050	ppbv #	82
6) Bromomethane	3.140	94	1339	0.055	ppbv #	63
7) Chloroethane	3.221	64	1115	0.052	ppbv #	83
8) Dichlorotetrafluoroethane	2.877	85	16170	0.115	ppbv	100
9) Propene	2.713	41	2446	0.045	ppbv #	15
11) Trichlorofluoromethane	3.584	101	9436	0.065	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.083	101	7787	0.073	ppbv #	58
13) Ethanol	3.259	45	148	0.038	ppbv #	23
14) Bromoethene	3.394	108	3147	0.072	ppbv #	1
15) Acetone	3.510	43	14676	0.132	ppbv #	42
16) 1,3-Butadiene	3.009	39	4257	0.074	ppbv #	38
18) 1,1-Dichloroethene	3.893	96	3529	0.073	ppbv #	62
20) Methylene Chloride	3.957	84	14754	0.327	ppbv	85
21) Allyl Chloride	4.018	41	2888	0.040	ppbv #	1
24) 1,1-Dichloroethane	4.578	63	8039	0.082	ppbv #	89
25) Ethyl Acetate	5.230	43	14017	0.059	ppbv #	77
26) Hexane	5.224	57	6435	0.066	ppbv #	1
27) Carbon Disulfide	4.144	76	5737	0.055	ppbv #	79
29) Chloroform	5.292	83	10064	0.066	ppbv	96
31) cis-1,2-Dichloroethene	5.089	61	5790	0.062	ppbv #	74
32) 1,1,1-Trichloroethane	6.018	97	11466	0.086	ppbv #	87
35) Carbon Tetrachloride	6.497	117	7326	0.052	ppbv #	88
36) Benzene	6.375	78	6033	0.030	ppbv	96
37) 1,2-Dichloroethane	5.819	62	9565	0.088	ppbv #	93
38) Trichloroethene	7.304	130	4641	0.044	ppbv #	72
39) 1,2-Dichloropropane	6.719	63	9066	0.122	ppbv #	22
42) Bromodichloromethane	7.256	83	11684	0.078	ppbv #	96
47) 1,1,2-Trichloroethane	8.906	97	4734	0.056	ppbv #	81
48) Dibromochloromethane	9.719	129	3865	0.031	ppbv #	1
52) Tetrachloroethene	10.622	164	3784	0.051	ppbv #	74
53) Toluene	9.230	91	7209	0.033	ppbv #	51
56) 1,1,1,2-Tetrachloroethane	11.510	131	6268	0.068	ppbv #	33
57) Chlorobenzene	11.532	112	7972	0.047	ppbv	93
62) Isopropylbenzene	14.040	105	12677	0.037	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.050	83	3278	0.031	ppbv #	24
67) sec-Butylbenzene	16.645	105	13420	0.031	ppbv #	59
76) 1,4-Dichlorobenzene	16.474	146	7264	0.045	ppbv #	3
77) 1,2-Dichlorobenzene	17.153	146	5205	0.033	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.641	225	8311	0.065	ppbv #	34

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 26 23:55:16 2022
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

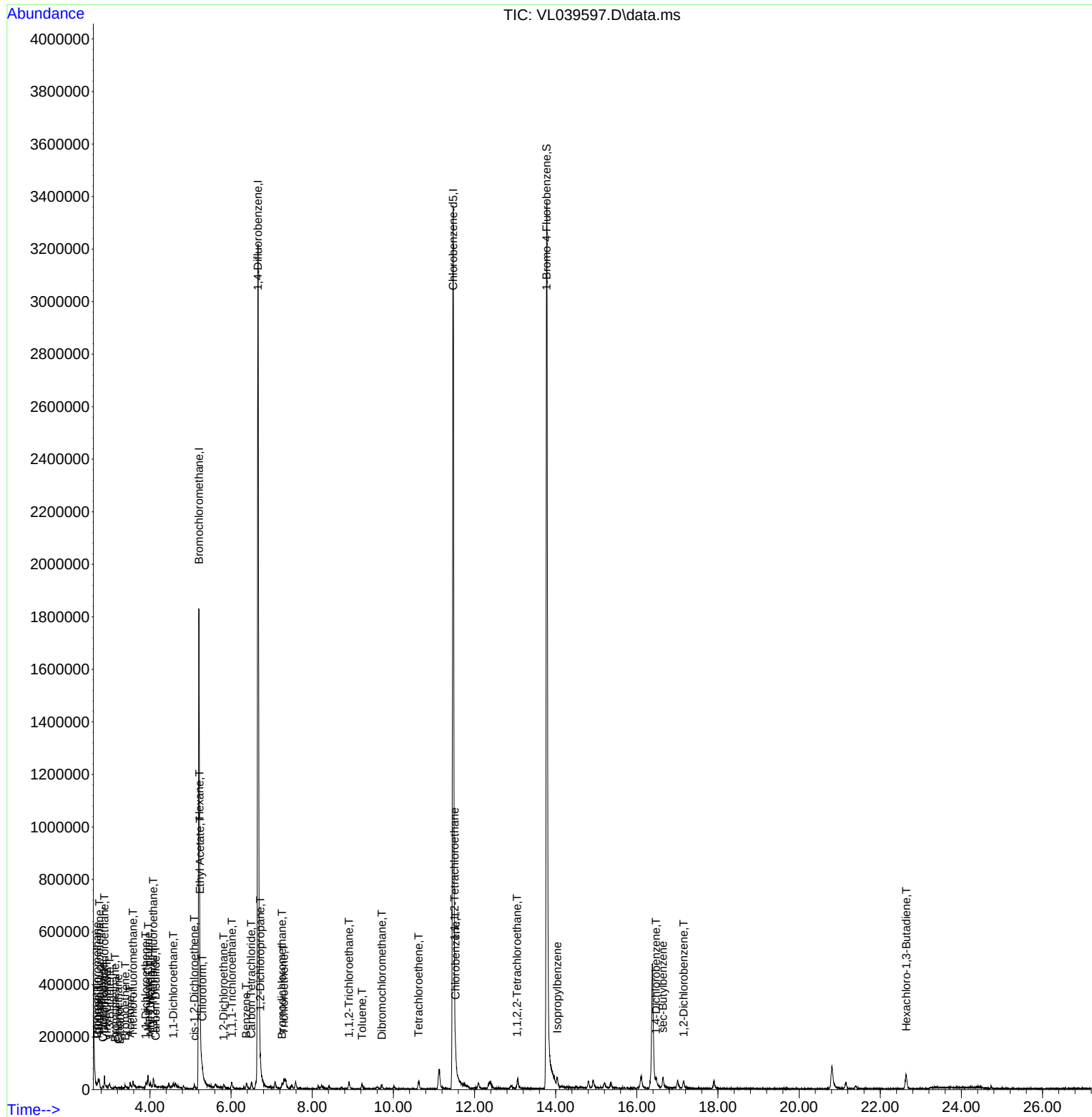
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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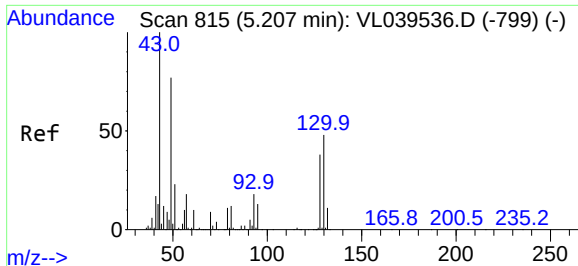
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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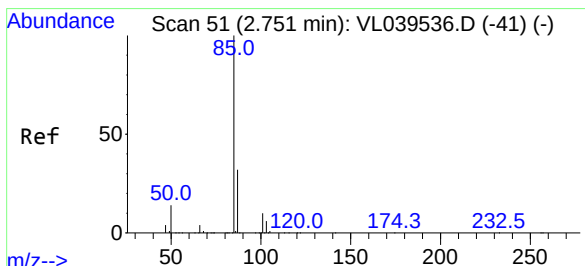
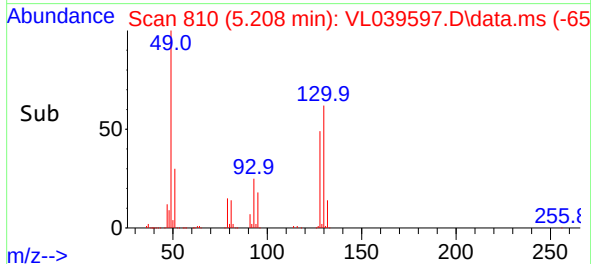
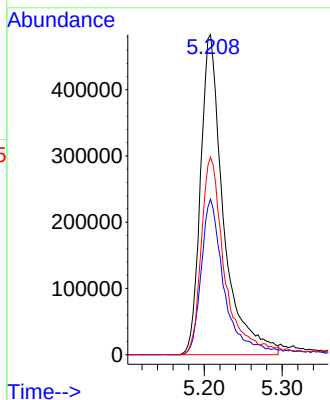
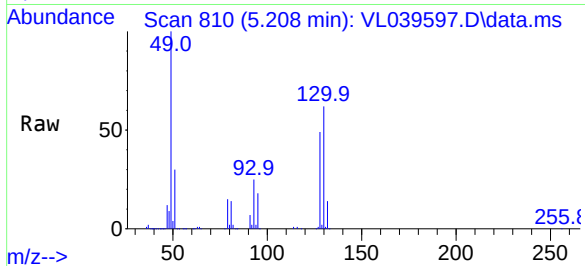




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

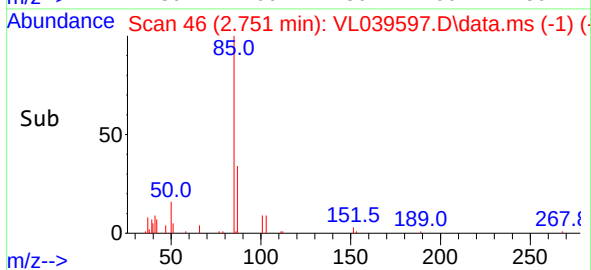
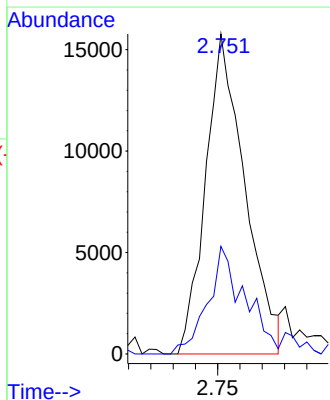
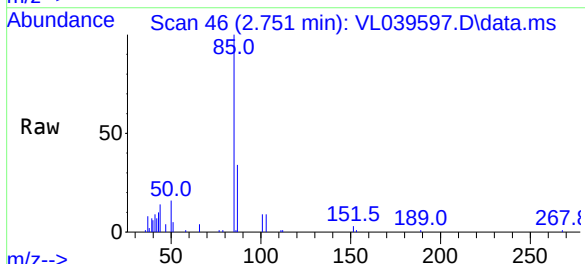
Instrument :
MSVOA_L
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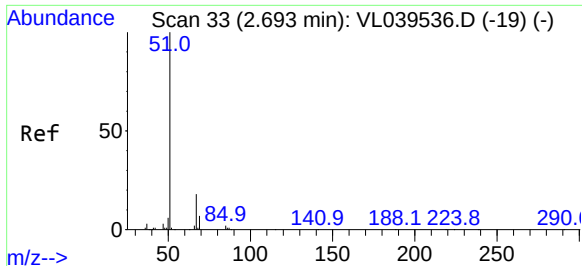
Tgt Ion: 49 Resp: 990282
Ion Ratio Lower Upper
49 100
128 51.5 26.7 80.0
130 65.6 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.147 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 85 Resp: 19321
Ion Ratio Lower Upper
85 100
87 32.0 26.7 40.1

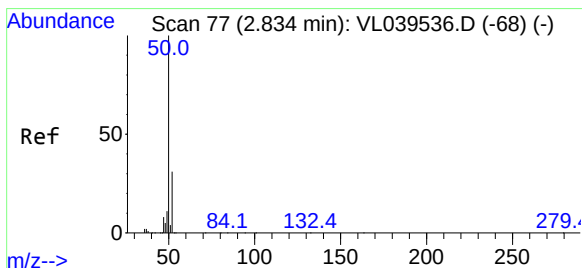
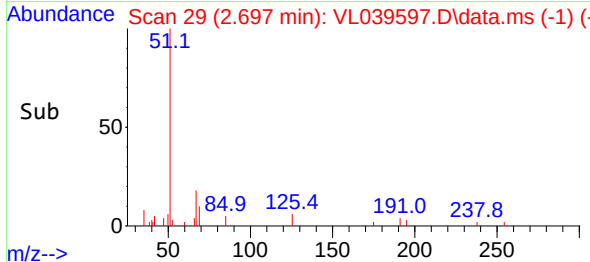
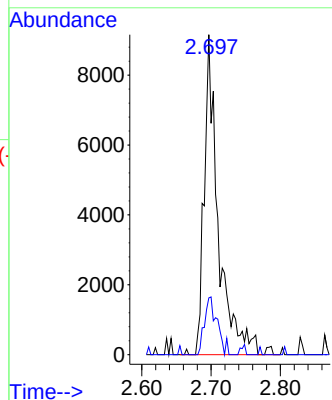
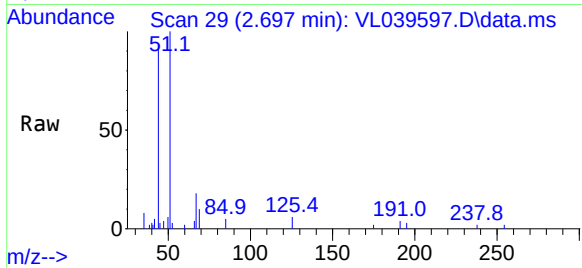




#3
Chlorodifluoromethane
Concen: 0.110 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

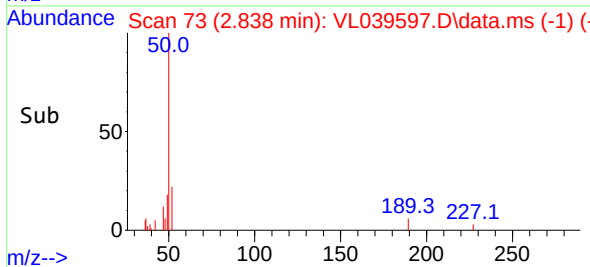
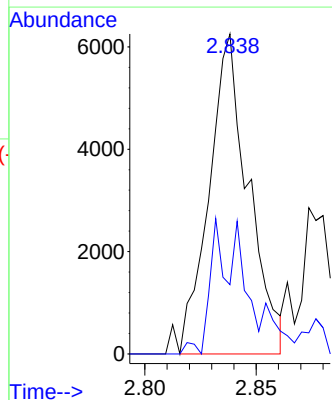
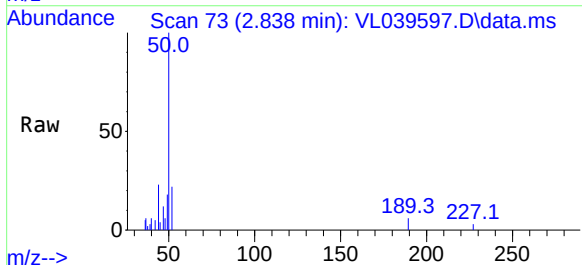
Instrument :
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ClientSampleId :
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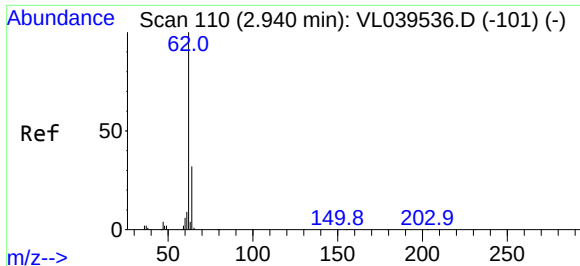
Tgt Ion: 51 Resp: 12966
Ion Ratio Lower Upper
51 100
67 17.2 15.7 23.5



#4
Chloromethane
Concen: 0.108 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 50 Resp: 7663
Ion Ratio Lower Upper
50 100
52 21.6 26.5 39.7#

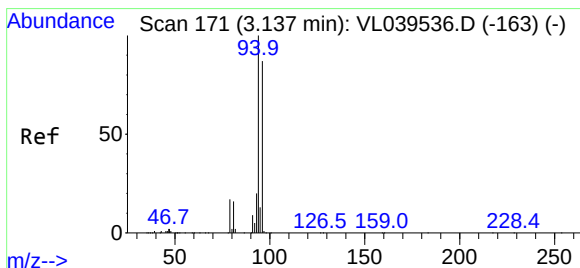
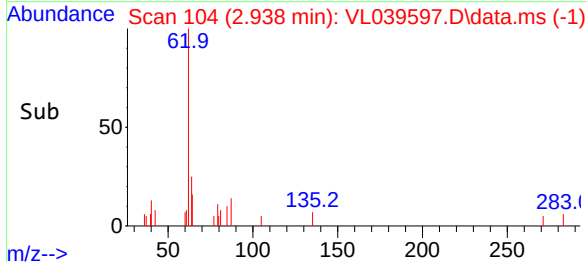
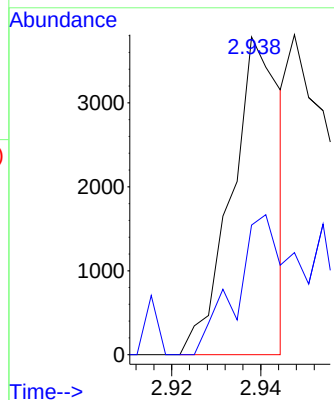
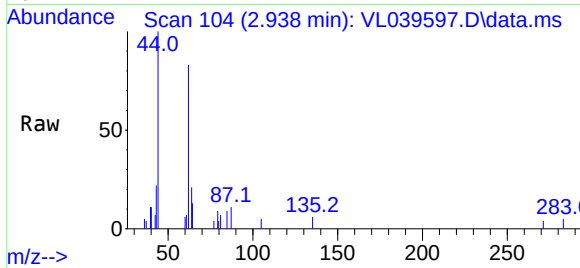




#5
 Vinyl Chloride
 Concen: 0.050 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. -0.002 min
 Lab File: VL039597.D
 Acq: 26 Aug 2022 10:21

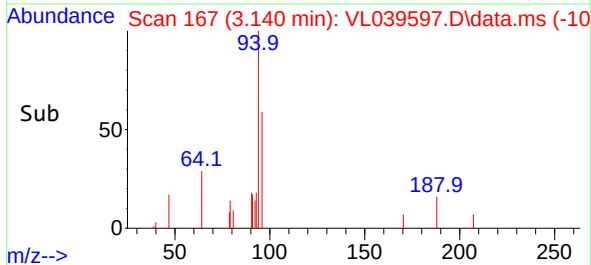
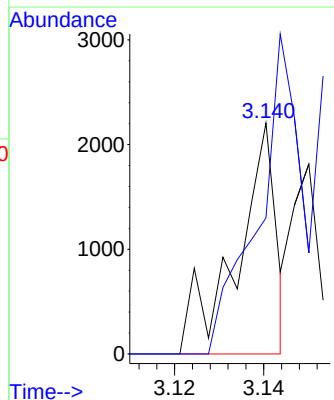
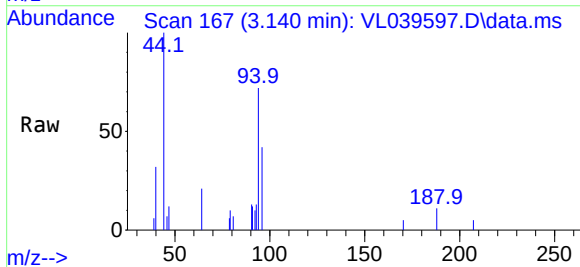
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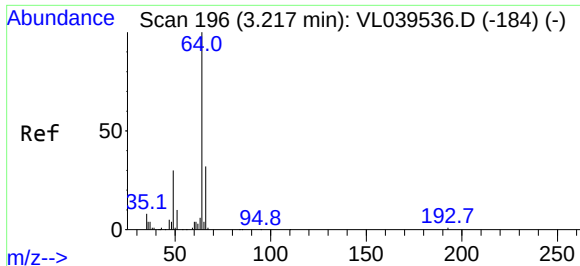
Tgt Ion: 62 Resp: 2874
 Ion Ratio Lower Upper
 62 100
 64 40.8 24.6 36.8#



#6
 Bromomethane
 Concen: 0.055 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. 0.004 min
 Lab File: VL039597.D
 Acq: 26 Aug 2022 10:21

Tgt Ion: 94 Resp: 1339
 Ion Ratio Lower Upper
 94 100
 96 58.9 75.6 113.4#

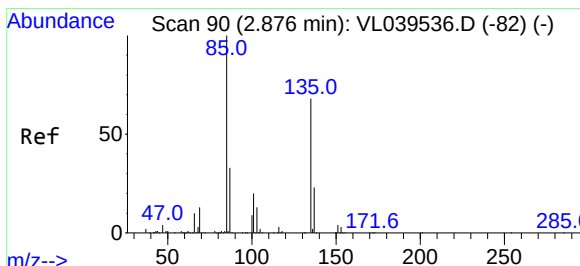
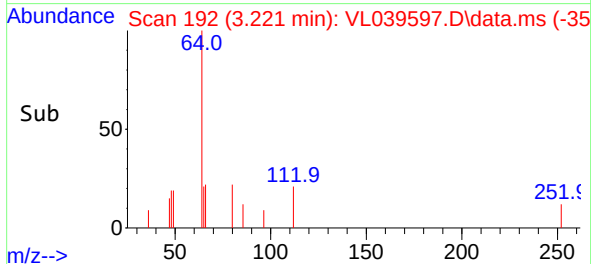
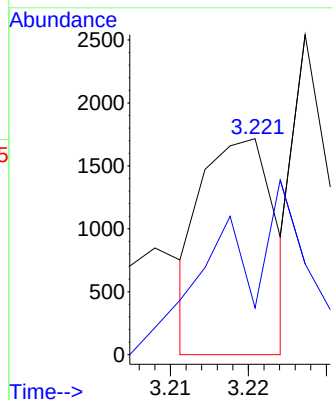
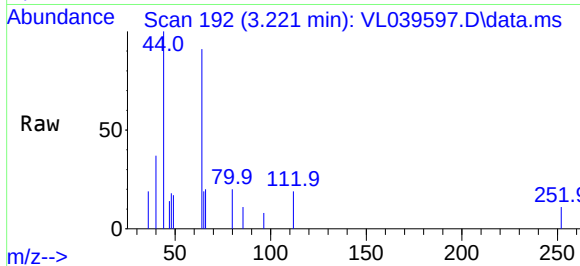




#7
Chloroethane
Concen: 0.052 ppbv
RT: 3.221 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

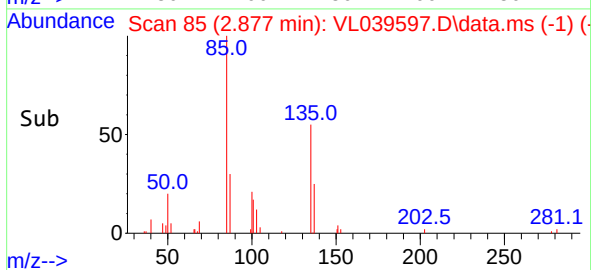
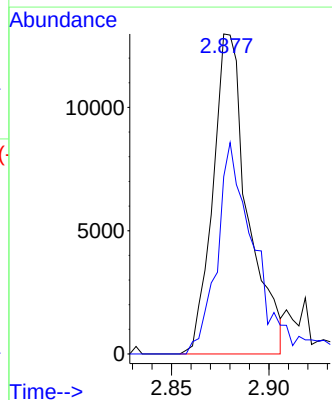
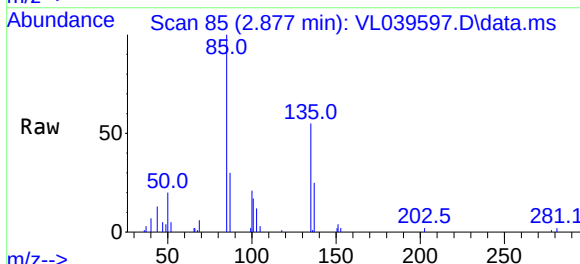
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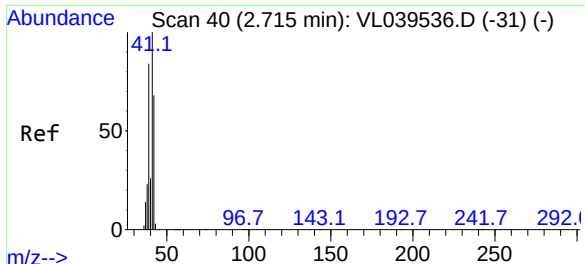
Tgt Ion: 64 Resp: 1115
Ion Ratio Lower Upper
64 100
66 21.6 24.7 37.1#



#8
Dichlorotetrafluoroethane
Concen: 0.115 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 85 Resp: 16170
Ion Ratio Lower Upper
85 100
135 73.5 59.0 88.4

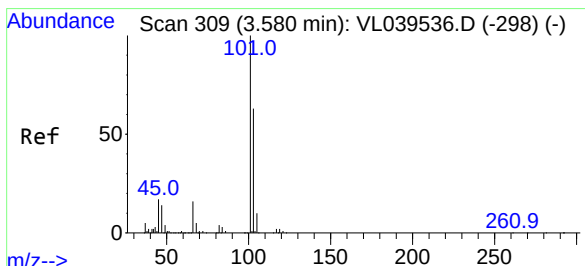
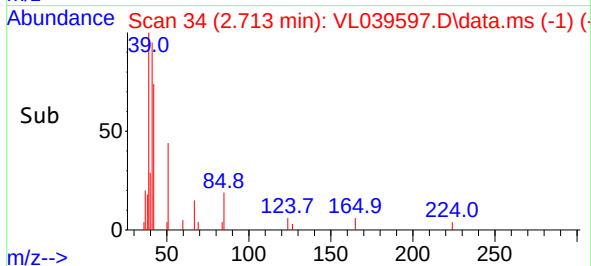
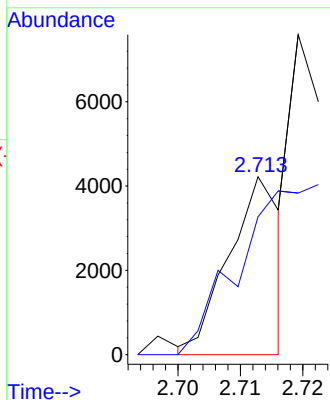
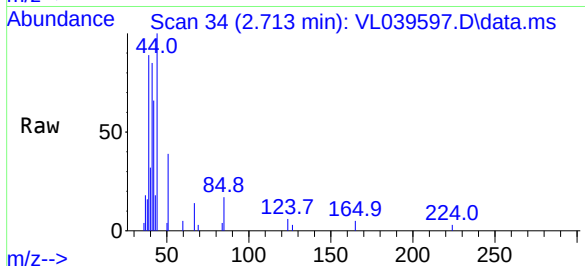




#9
 Propene
 Concen: 0.045 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. -0.002 min
 Lab File: VL039597.D
 Acq: 26 Aug 2022 10:21

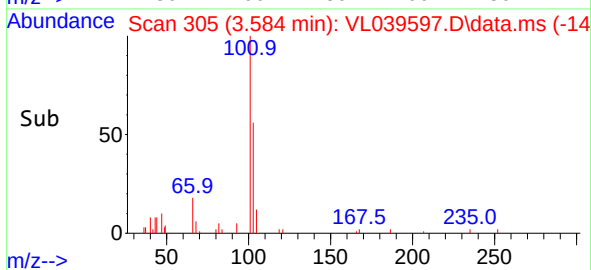
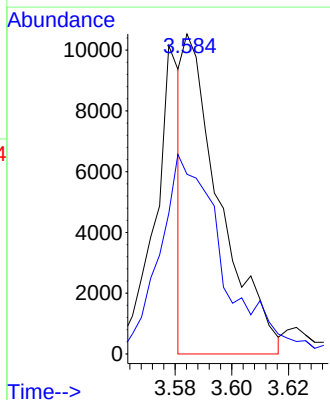
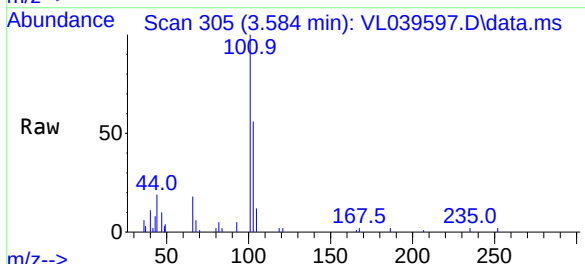
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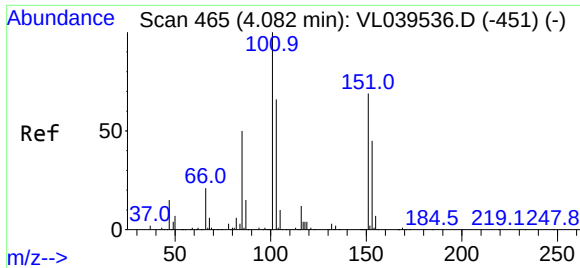
Tgt Ion: 41 Resp: 2446
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.2 82.8#



#11
 Trichlorofluoromethane
 Concen: 0.065 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.004 min
 Lab File: VL039597.D
 Acq: 26 Aug 2022 10:21

Tgt Ion: 101 Resp: 9436
 Ion Ratio Lower Upper
 101 100
 103 52.6 51.8 77.8

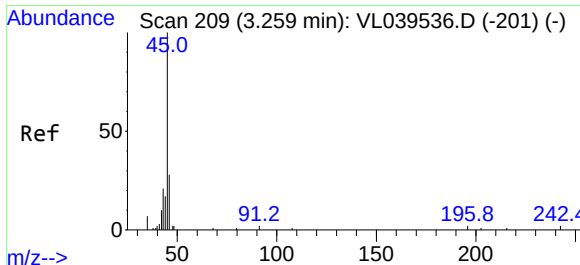
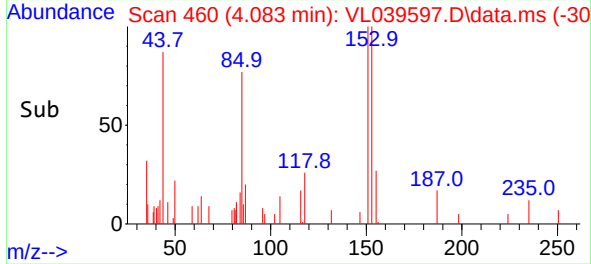
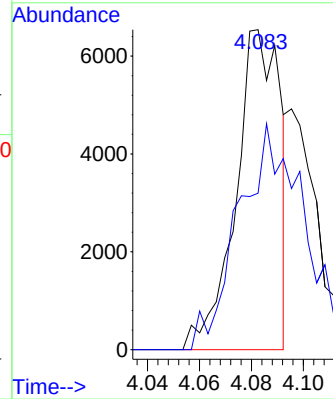
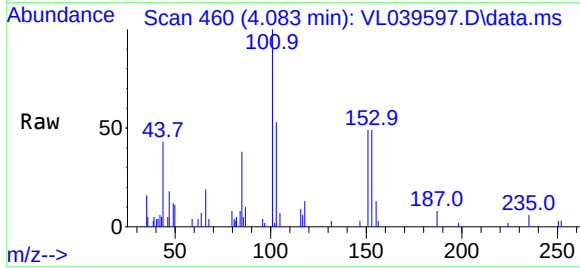




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.073 ppbv
RT: 4.083 min Scan# 408
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

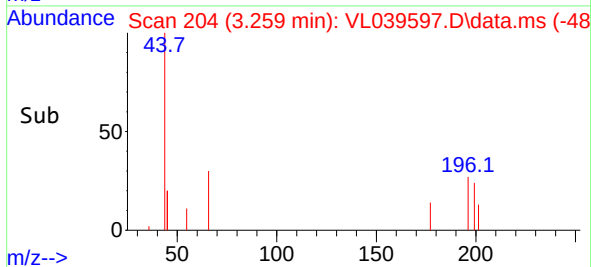
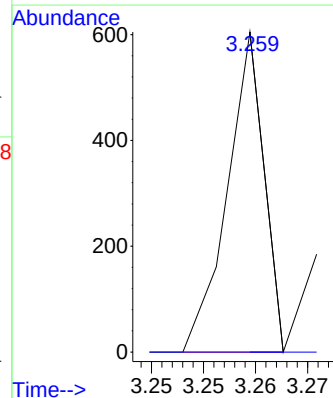
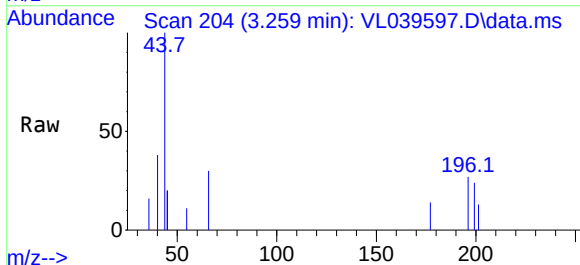
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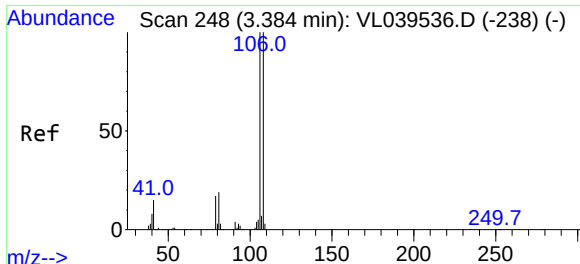
Tgt Ion:101 Resp: 7787
Ion Ratio Lower Upper
101 100
151 108.8 58.9 88.3#



#13
Ethanol
Concen: 0.038 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 45 Resp: 148
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#

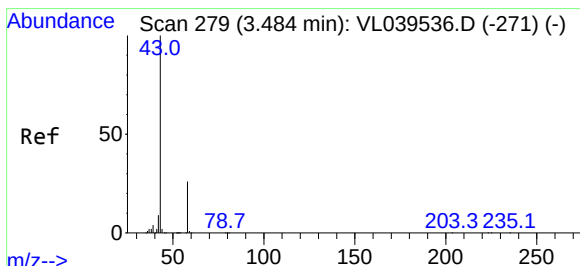
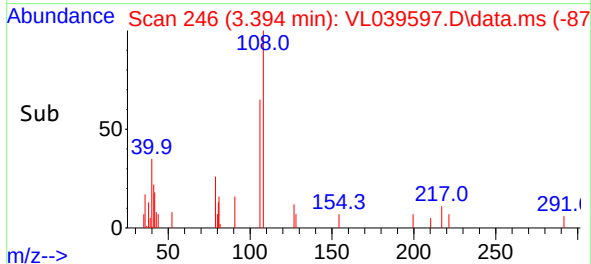
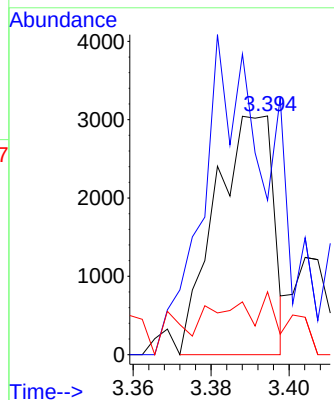
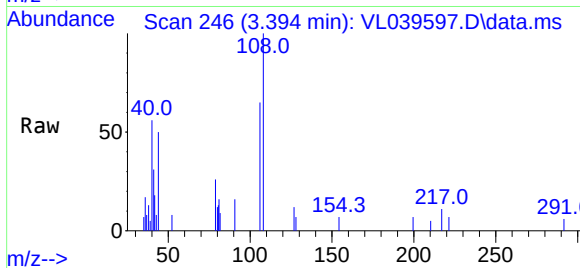




#14
Bromoethene
Concen: 0.072 ppbv
RT: 3.394 min Scan# 241
Delta R.T. 0.010 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

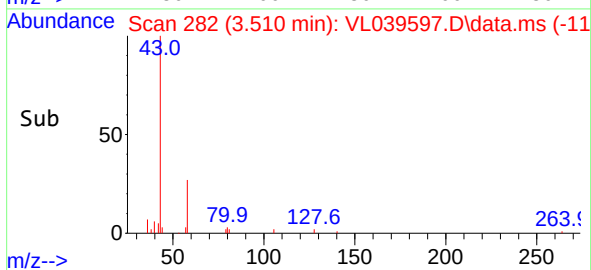
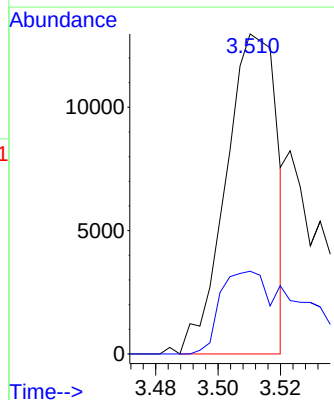
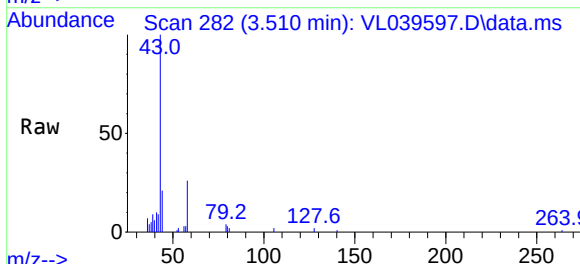
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

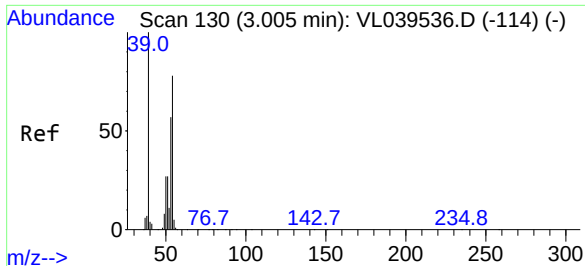
Tgt Ion:108 Resp: 3147
Ion Ratio Lower Upper
108 100
106 0.0 87.1 130.7#
79 53.4 14.6 22.0#



#15
Acetone
Concen: 0.132 ppbv
RT: 3.510 min Scan# 282
Delta R.T. 0.026 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 43 Resp: 14676
Ion Ratio Lower Upper
43 100
58 55.9 21.0 31.6#

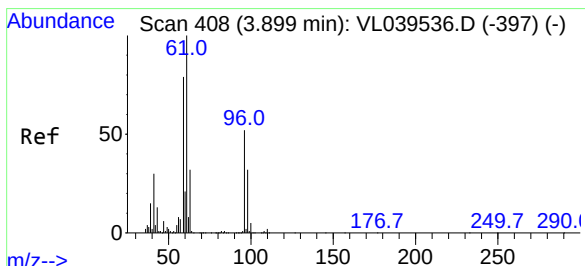
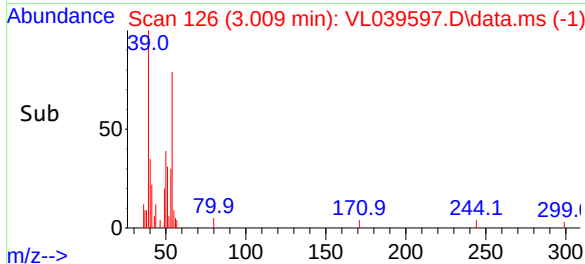
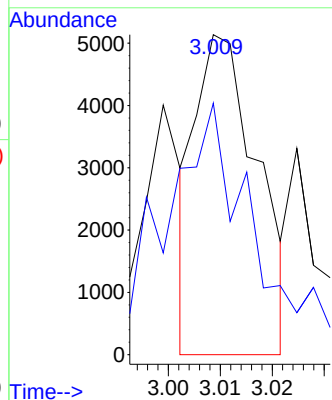
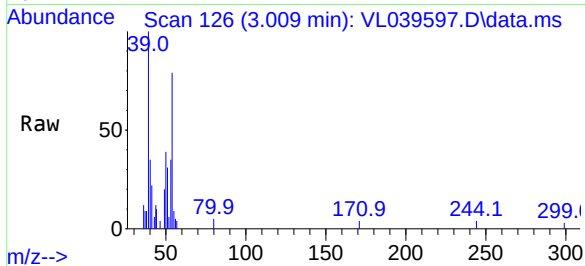




#16
1,3-Butadiene
Concen: 0.074 ppbv
RT: 3.009 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

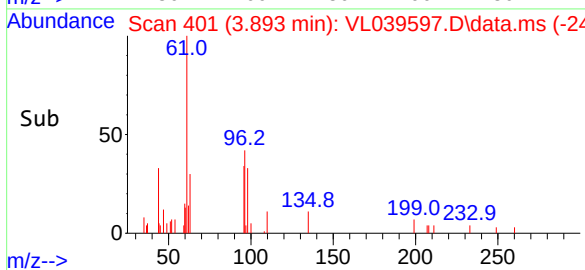
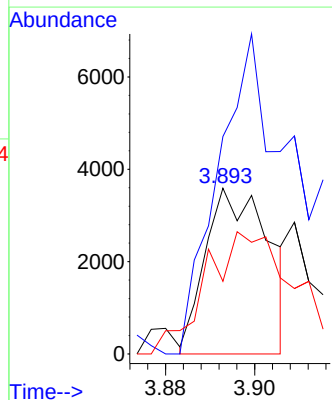
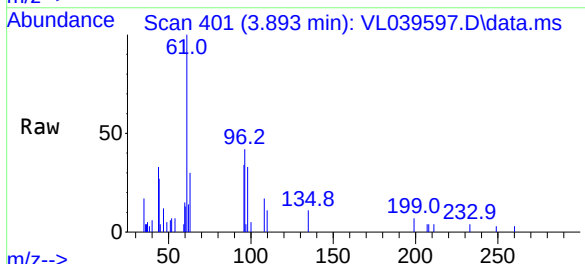
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

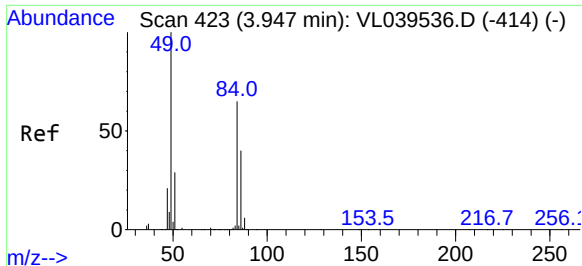
Tgt Ion: 39 Resp: 4257
Ion Ratio Lower Upper
39 100
54 134.1 63.7 95.5#



#18
1,1-Dichloroethene
Concen: 0.073 ppbv
RT: 3.893 min Scan# 401
Delta R.T. -0.006 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 96 Resp: 3529
Ion Ratio Lower Upper
96 100
61 137.0 152.2 228.4#
98 31.0 51.8 77.6#



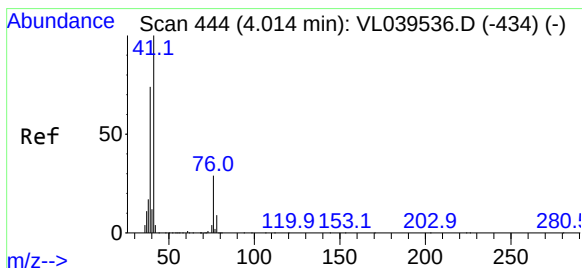
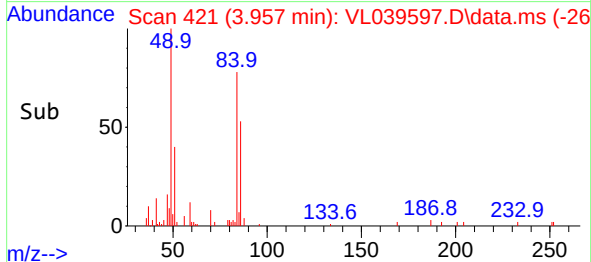
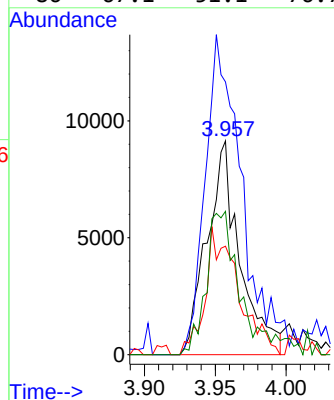
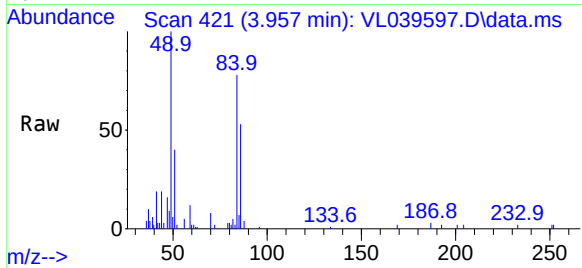


#20
Methylene Chloride
Concen: 0.327 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 84 Resp: 14754

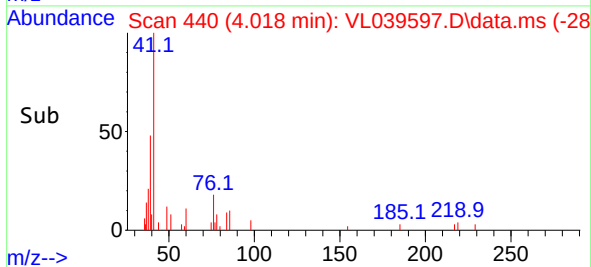
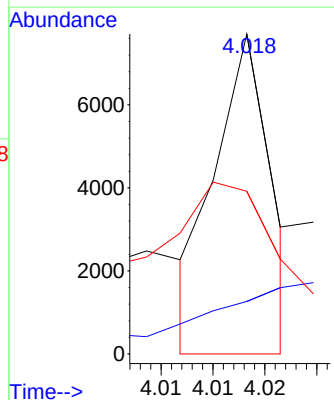
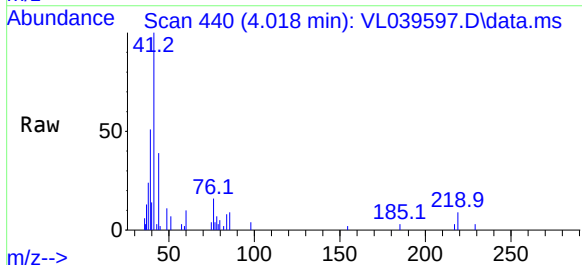
Ion	Ratio	Lower	Upper
84	100		
49	127.6	123.1	184.7
51	50.8	34.4	51.6
86	67.1	51.1	76.7

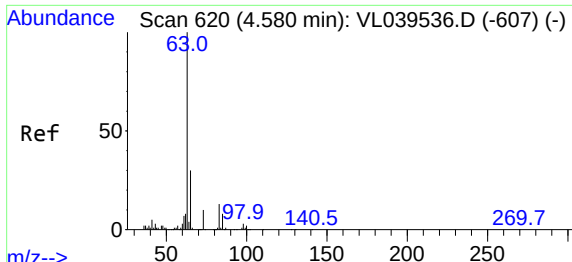


#21
Allyl Chloride
Concen: 0.040 ppbv
RT: 4.018 min Scan# 440
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 41 Resp: 2888

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	216.1	63.5	95.3#

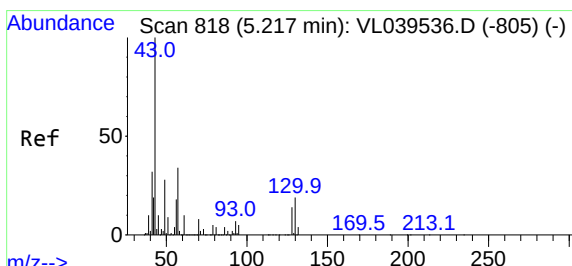
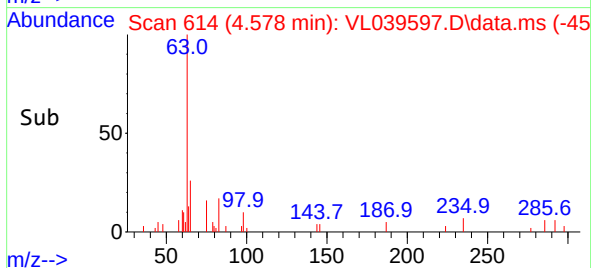
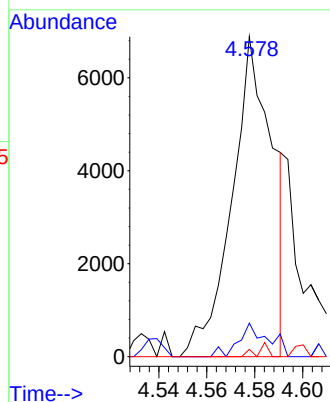
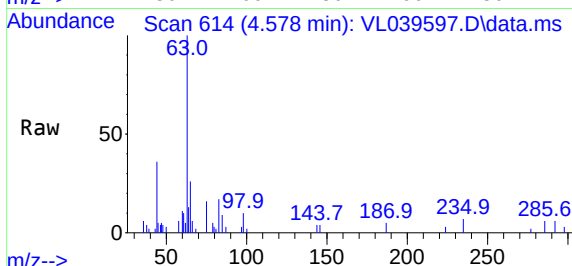




#24
1,1-Dichloroethane
Concen: 0.082 ppbv
RT: 4.578 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

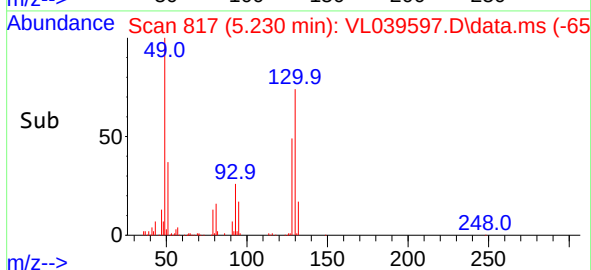
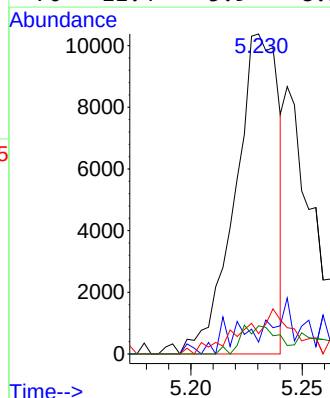
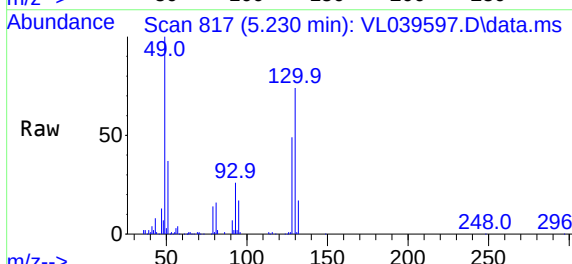
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

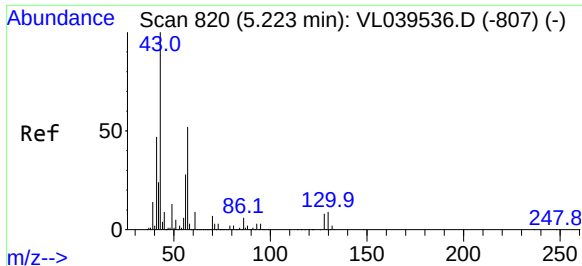
Tgt Ion: 63	Resp: 8039
Ion Ratio	Lower Upper
63 100	
98 9.3	1.8 5.3#
100 2.0	1.5 4.4



#25
Ethyl Acetate
Concen: 0.059 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.014 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

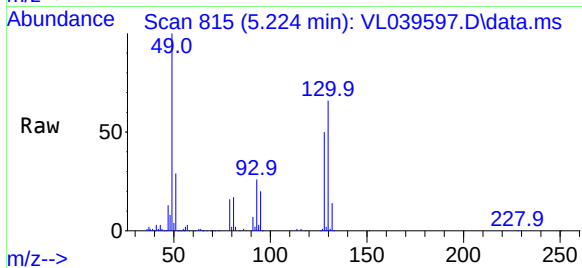
Tgt Ion: 43	Resp: 14017
Ion Ratio	Lower Upper
43 100	
45 0.0	8.2 12.4#
61 0.0	8.3 12.5#
70 11.4	5.9 8.9#





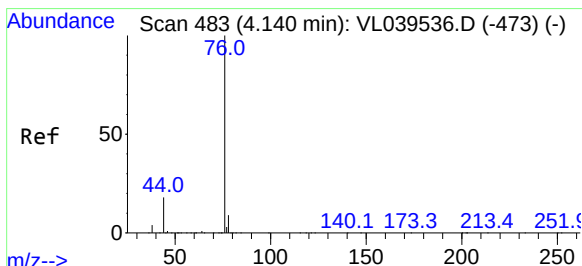
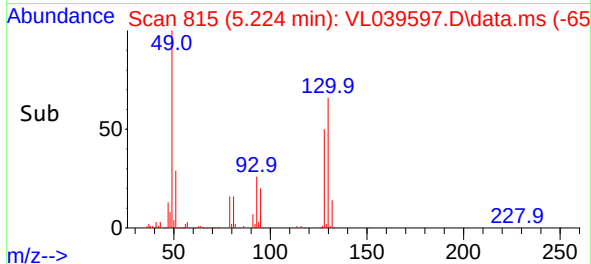
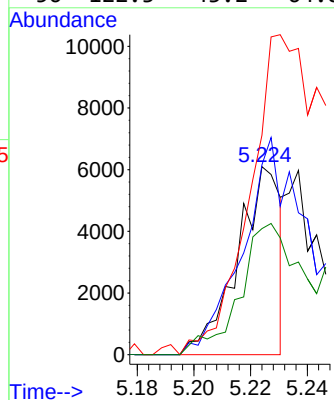
#26
Hexane
Concen: 0.066 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 57 Resp: 6435

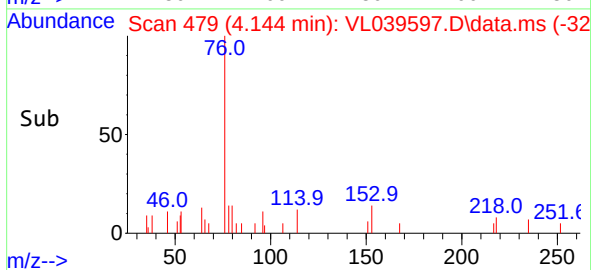
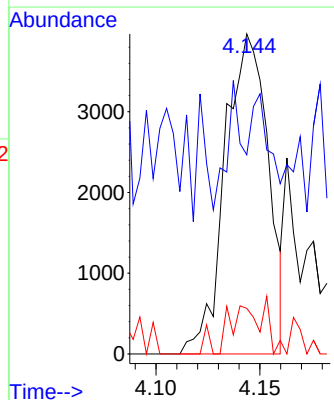
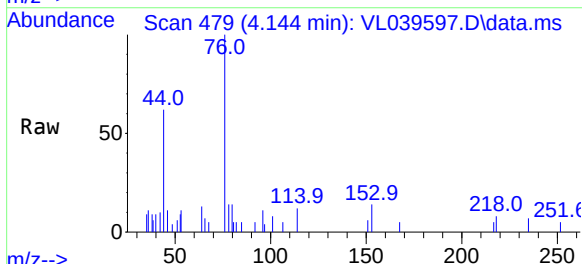
Ion	Ratio	Lower	Upper
57	100		
41	201.6	76.9	115.3#
43	407.0	191.0	286.6#
56	122.3	43.2	64.8#

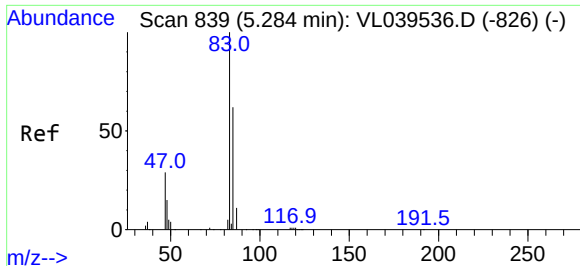


#27
Carbon Disulfide
Concen: 0.055 ppbv
RT: 4.144 min Scan# 479
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 76 Resp: 5737

Ion	Ratio	Lower	Upper
76	100		
44	28.4	14.6	21.8#
78	16.4	7.8	11.6#





#29

Chloroform

Concen: 0.066 ppbv

RT: 5.292 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL039597.D

Acq: 26 Aug 2022 10:21

Instrument :

MSVOA_L

ClientSampleId :

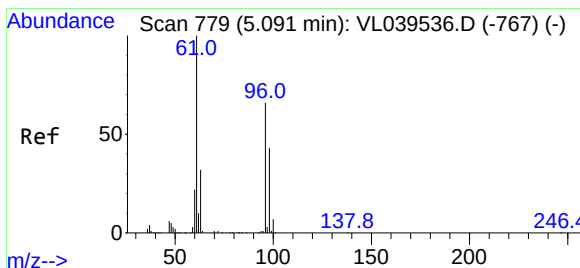
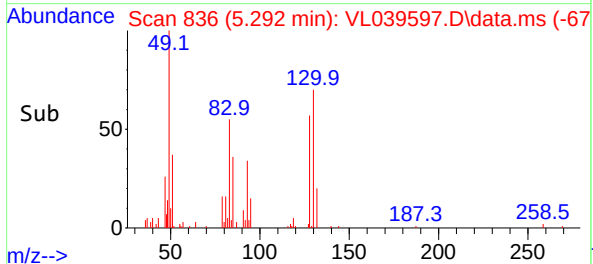
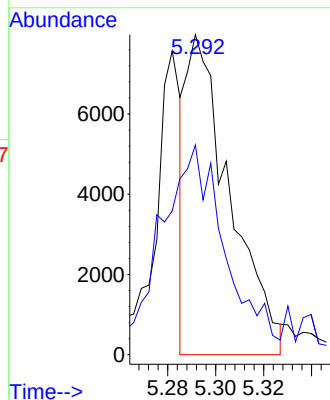
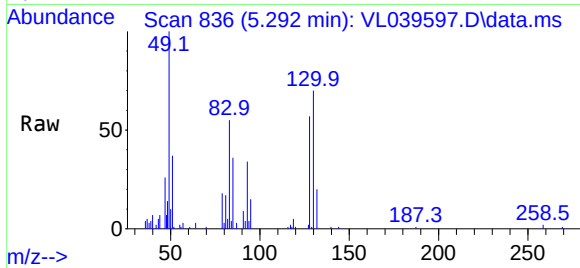
MDL-AIR-03-QT3-2022

Tgt Ion: 83 Resp: 10064

Ion Ratio Lower Upper

83 100

85 69.3 52.8 79.2



#31

cis-1,2-Dichloroethene

Concen: 0.062 ppbv

RT: 5.089 min Scan# 773

Delta R.T. -0.003 min

Lab File: VL039597.D

Acq: 26 Aug 2022 10:21

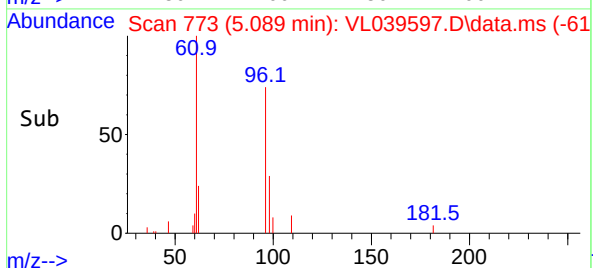
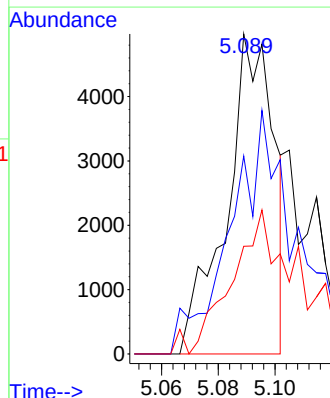
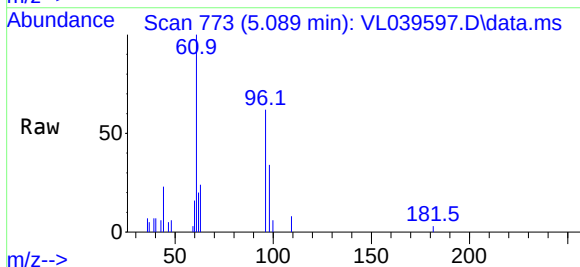
Tgt Ion: 61 Resp: 5790

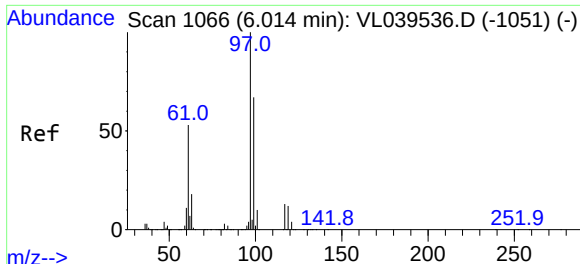
Ion Ratio Lower Upper

61 100

96 47.5 54.1 81.1#

98 25.9 34.6 52.0#

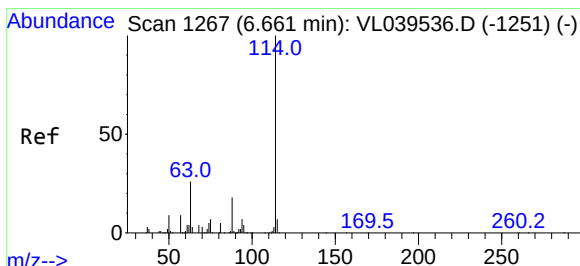
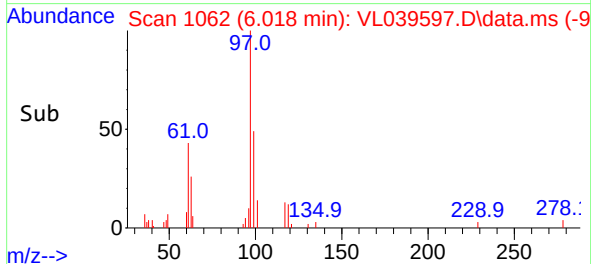
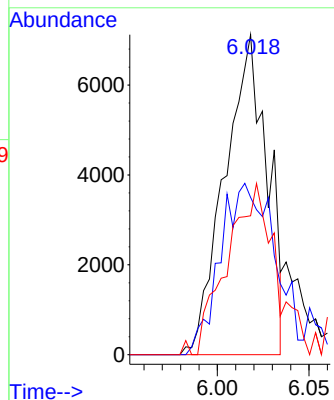
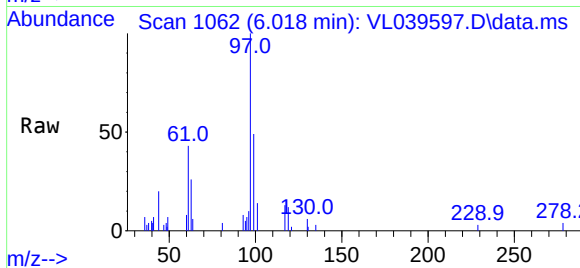




#32
1,1,1-Trichloroethane
Concen: 0.086 ppbv
RT: 6.018 min Scan# 1066
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

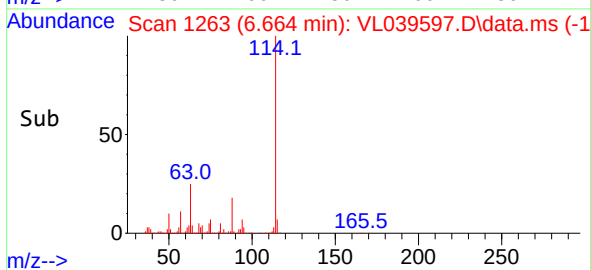
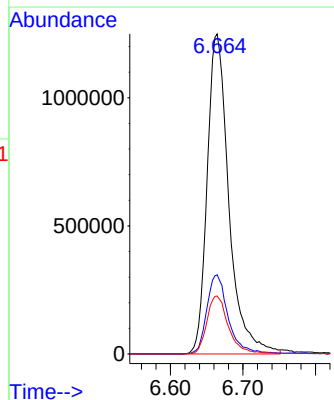
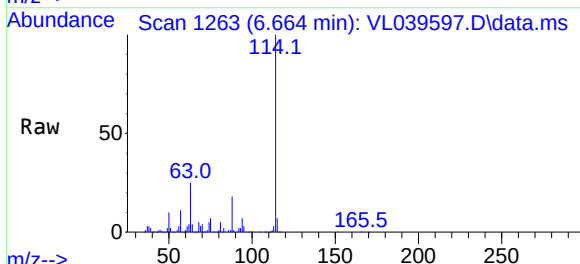
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

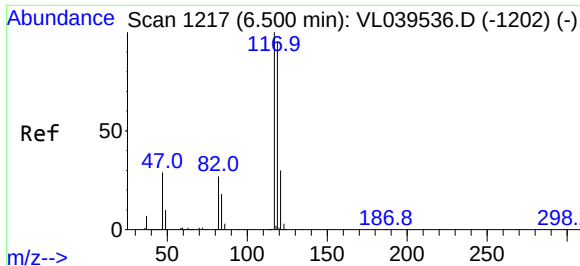
Tgt Ion: 97 Resp: 11466
Ion Ratio Lower Upper
97 100
99 74.3 52.3 78.5
61 61.6 40.9 61.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 114 Resp: 2596199
Ion Ratio Lower Upper
114 100
63 24.5 20.2 30.4
88 18.4 14.5 21.7





#35

Carbon Tetrachloride

Concen: 0.052 ppbv

RT: 6.497 min Scan# 117

Delta R.T. -0.002 min

Lab File: VL039597.D

Acq: 26 Aug 2022 10:21

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

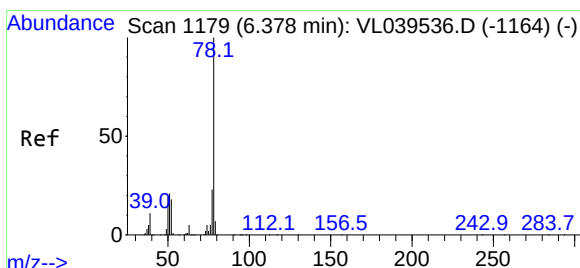
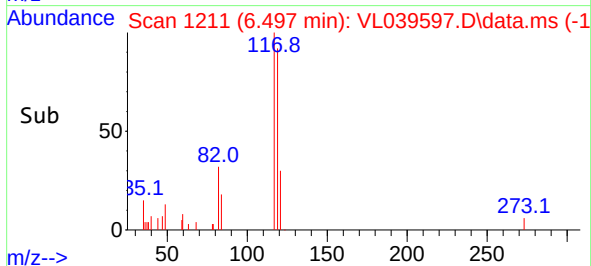
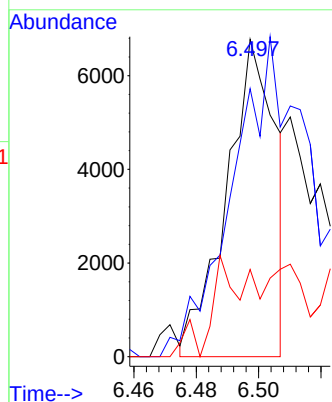
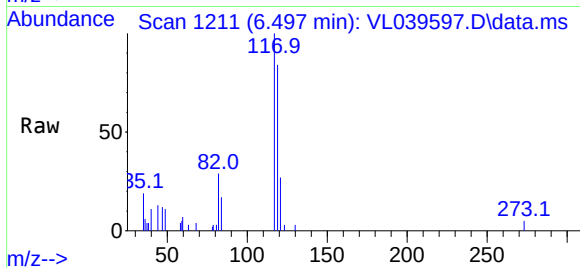
Tgt Ion:117 Resp: 7326

Ion Ratio Lower Upper

117 100

119 82.1 75.4 113.2

121 24.0 24.2 36.2#



#36

Benzene

Concen: 0.030 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. -0.002 min

Lab File: VL039597.D

Acq: 26 Aug 2022 10:21

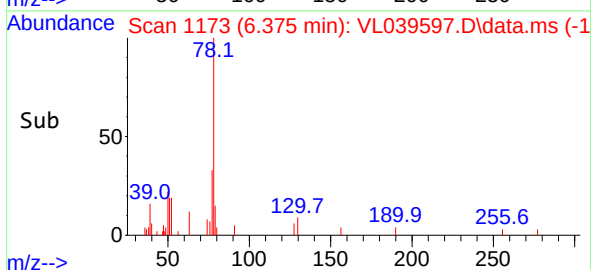
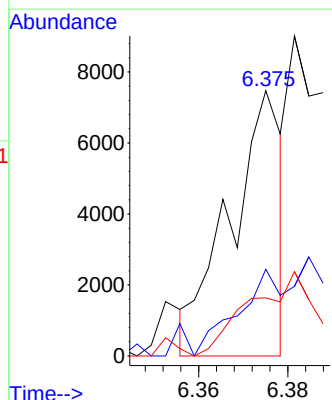
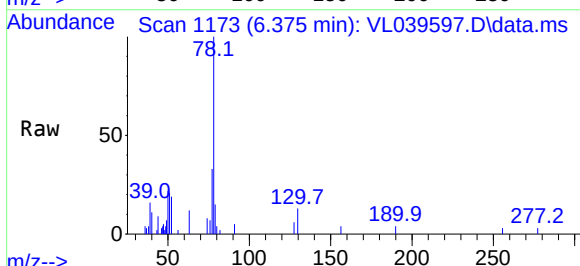
Tgt Ion: 78 Resp: 6033

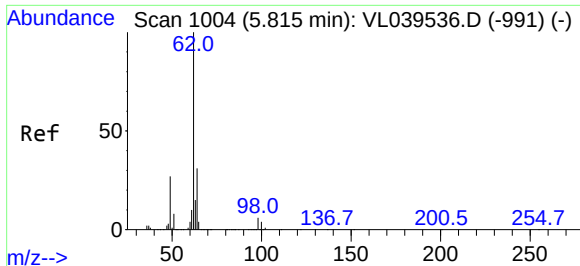
Ion Ratio Lower Upper

78 100

77 24.9 20.3 30.5

50 23.2 15.5 23.3

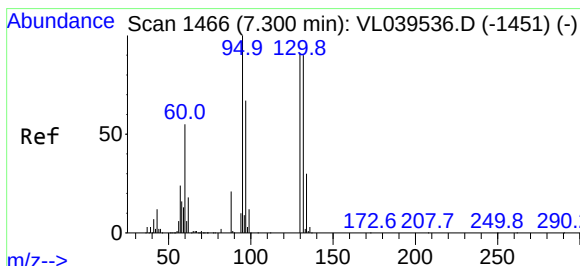
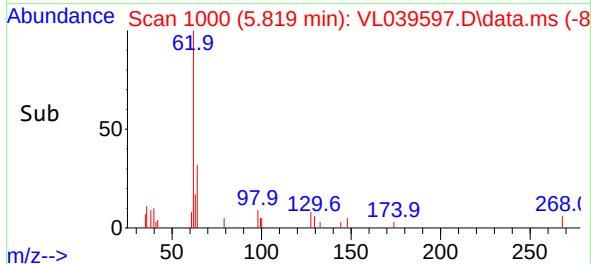
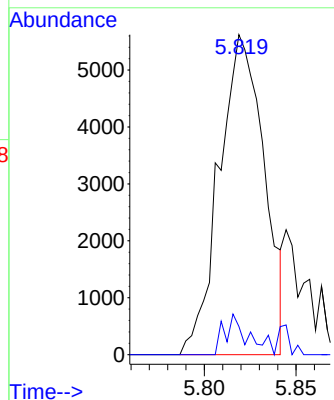
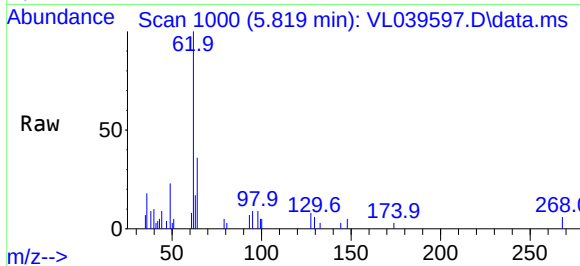




#37
1,2-Dichloroethane
Concen: 0.088 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

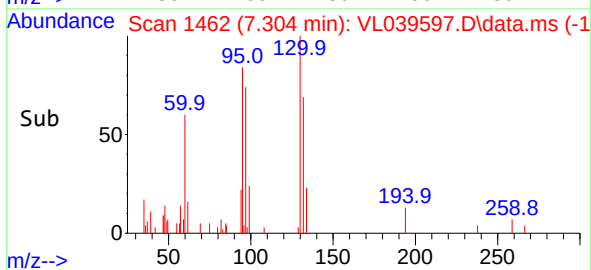
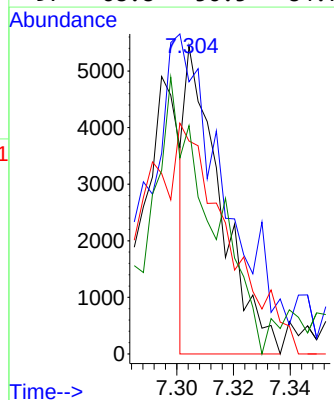
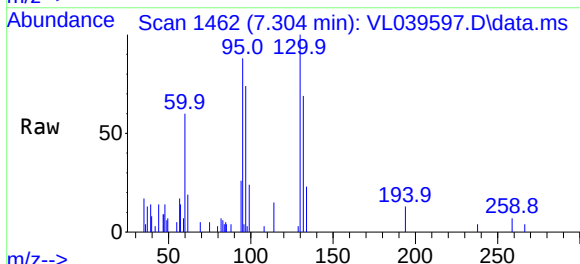
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

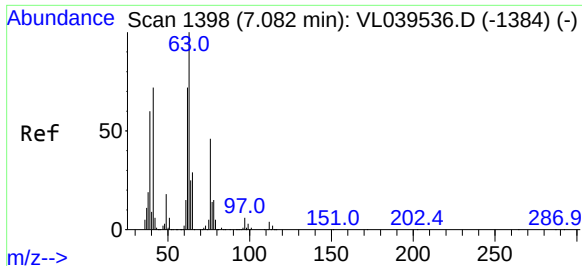
Tgt Ion: 62 Resp: 9565
Ion Ratio Lower Upper
62 100
98 8.7 5.1 7.7#



#38
Trichloroethene
Concen: 0.044 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 130 Resp: 4641
Ion Ratio Lower Upper
130 100
95 70.6 87.3 130.9#
132 58.9 76.7 115.1#
97 68.8 56.5 84.7





#39

1,2-Dichloropropane

Concen: 0.122 ppbv

RT: 6.719 min Scan# 1

Delta R.T. -0.363 min

Lab File: VL039597.D

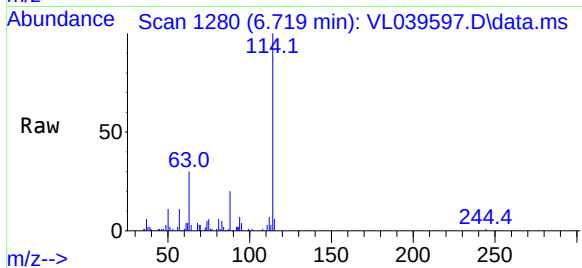
Acq: 26 Aug 2022 10:21

Instrument :

MSVOA_L

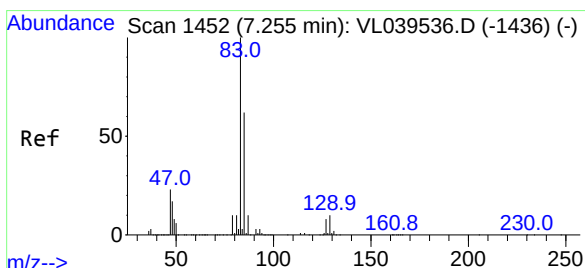
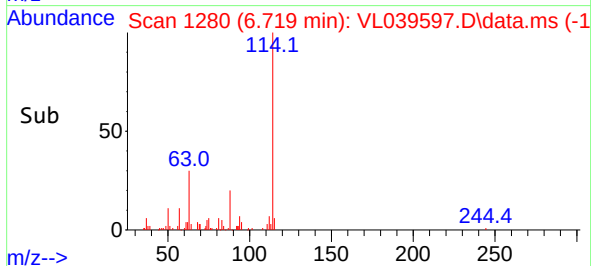
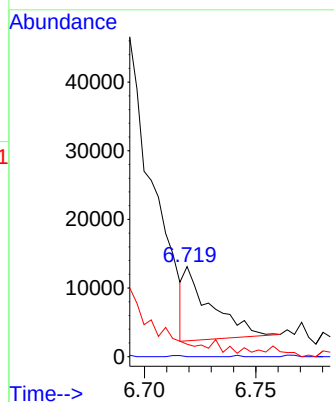
ClientSampleId :

MDL-AIR-03-QT3-2022



Tgt Ion: 63 Resp: 9066

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	11.2	51.4	77.0#



#42

Bromodichloromethane

Concen: 0.078 ppbv

RT: 7.256 min Scan# 1447

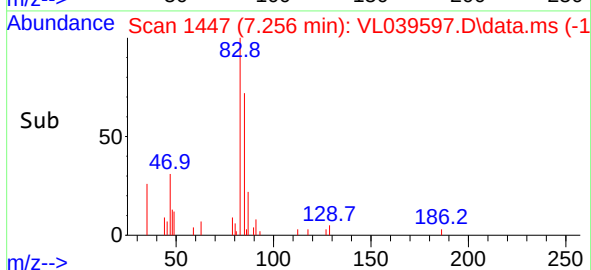
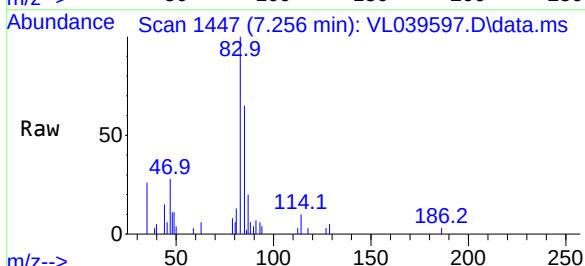
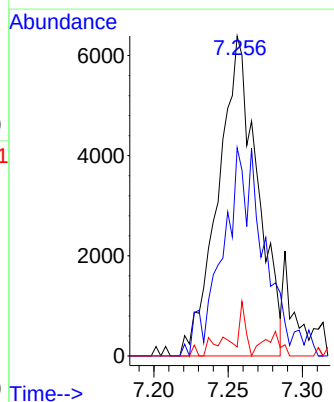
Delta R.T. 0.001 min

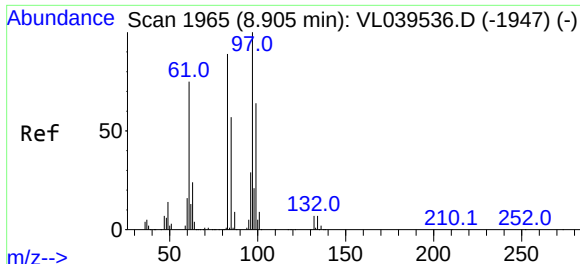
Lab File: VL039597.D

Acq: 26 Aug 2022 10:21

Tgt Ion: 83 Resp: 11684

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.7	76.1
127	2.8	6.6	9.8#



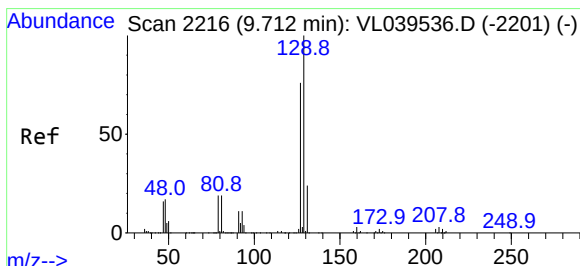
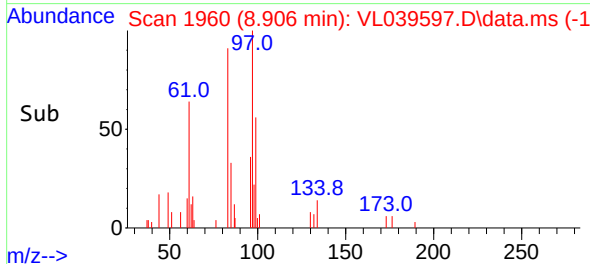
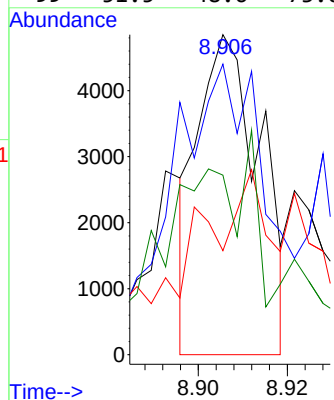
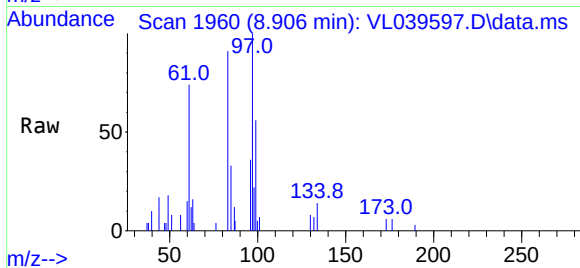


#47
1,1,2-Trichloroethane
Concen: 0.056 ppbv
RT: 8.906 min Scan# 1965
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 97 Resp: 4734

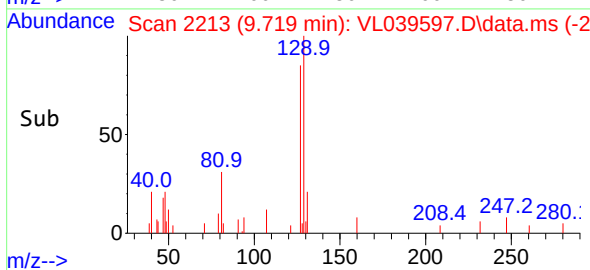
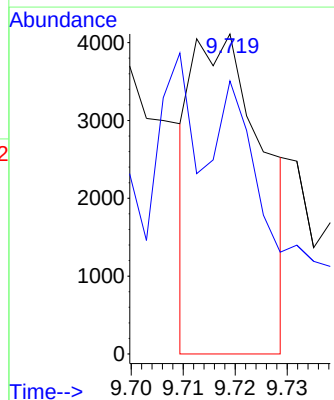
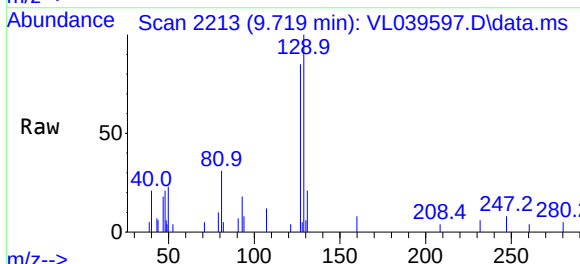
Ion	Ratio	Lower	Upper
97	100		
83	78.9	67.4	101.0
85	22.3	45.1	67.7#
99	51.5	48.6	73.0

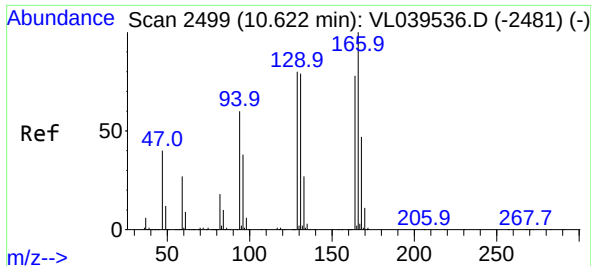


#48
Dibromochloromethane
Concen: 0.031 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.007 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 129 Resp: 3865

Ion	Ratio	Lower	Upper
129	100		
127	179.2	39.3	117.9#



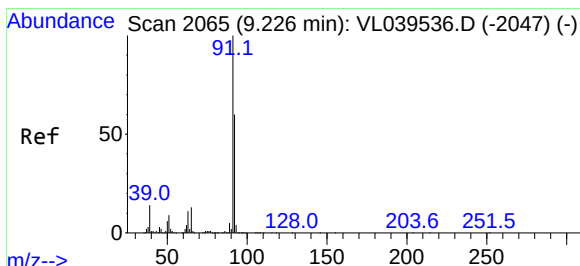
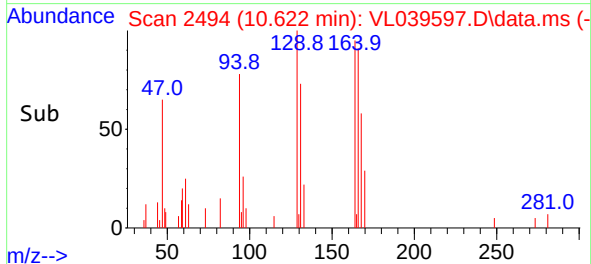
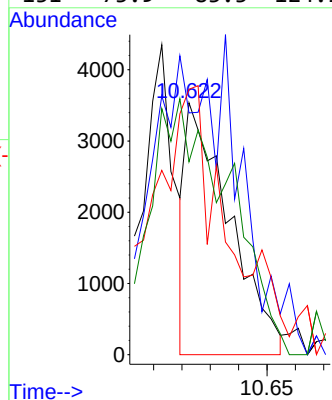
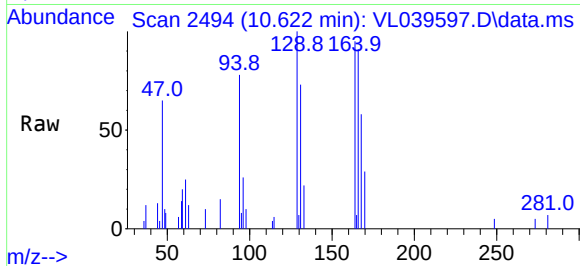


#52
Tetrachloroethene
Concen: 0.051 ppbv
RT: 10.622 min Scan# 2499
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion:164 Resp: 3784

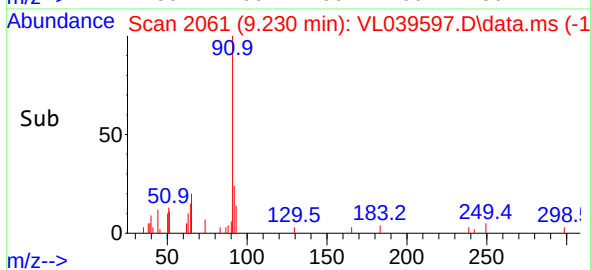
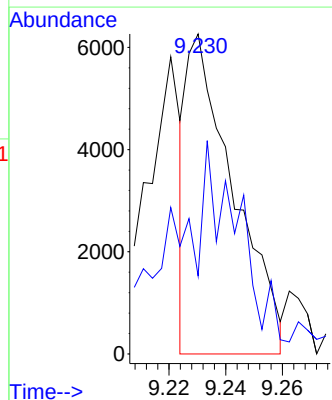
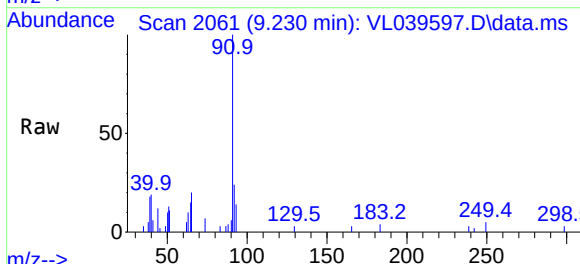
Ion	Ratio	Lower	Upper
164	100		
166	86.5	102.2	153.2#
129	97.4	85.8	128.8
131	73.9	83.3	124.9#

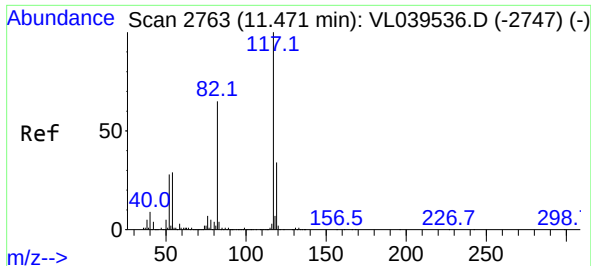


#53
Toluene
Concen: 0.033 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 91 Resp: 7209

Ion	Ratio	Lower	Upper
91	100		
92	97.1	48.2	72.2#

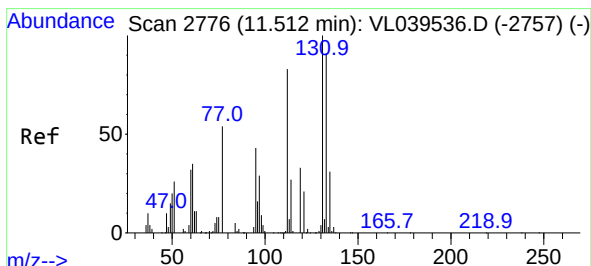
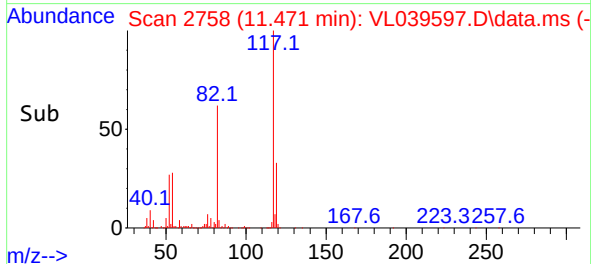
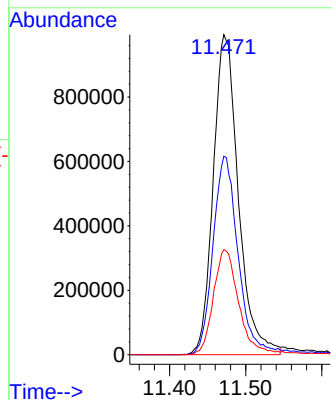
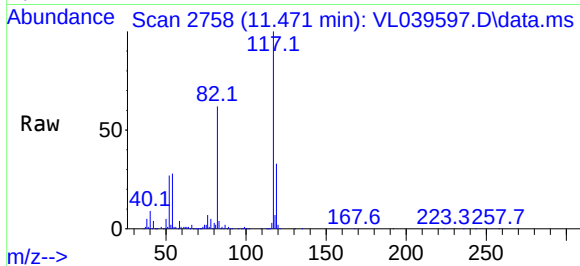




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2763
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

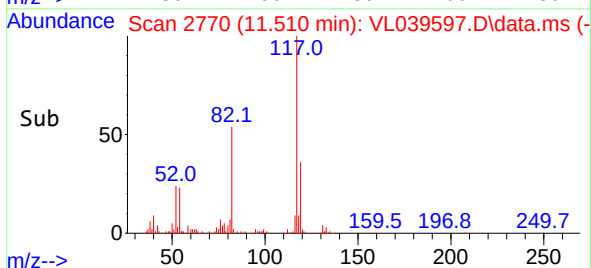
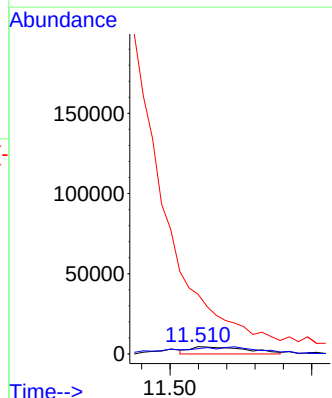
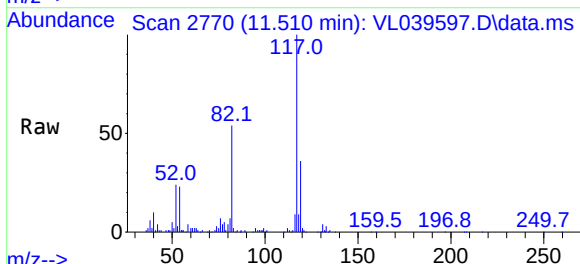
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

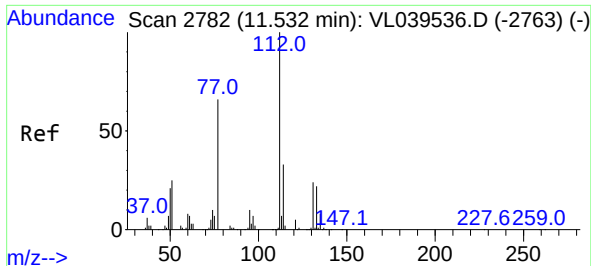
Tgt Ion:117 Resp: 2282335
Ion Ratio Lower Upper
117 100
82 63.7 50.8 76.2
119 34.2 24.1 36.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.068 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.002 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion:131 Resp: 6268
Ion Ratio Lower Upper
131 100
133 154.6 76.8 115.2#
119 0.0 46.2 69.4#

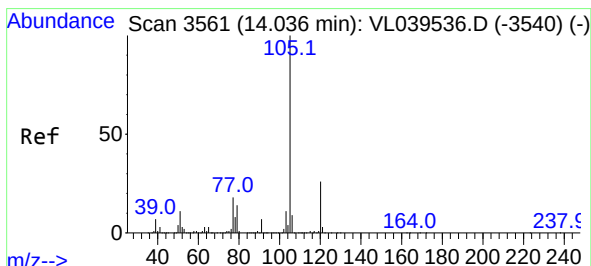
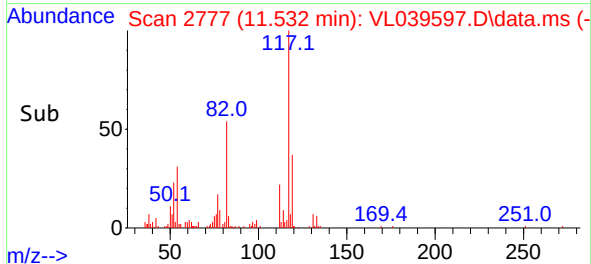
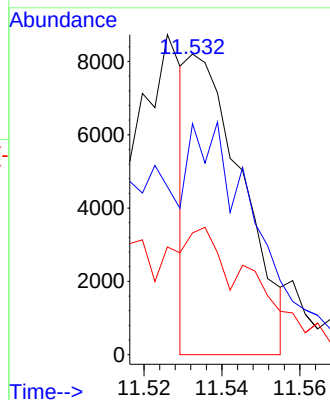
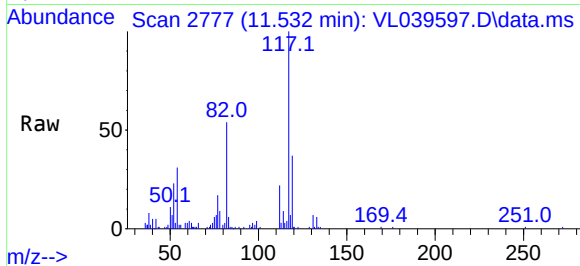




#57
Chlorobenzene
Concen: 0.047 ppbv
RT: 11.532 min Scan# 211
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

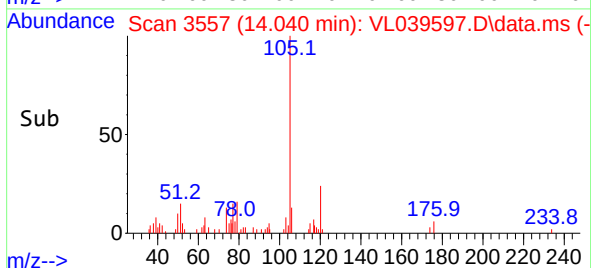
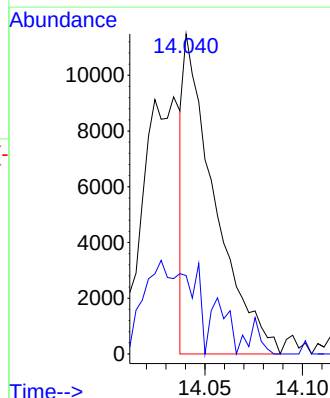
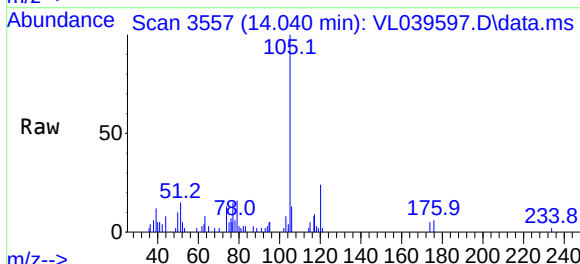
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

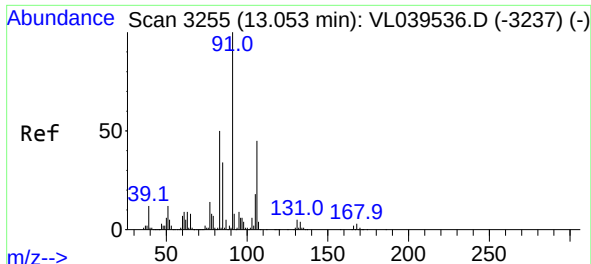
Tgt Ion:	112	Resp:	7972
Ion	Ratio	Lower	Upper
112	100		
77	57.1	51.0	76.4
114	28.5	27.5	33.6



#62
Isopropylbenzene
Concen: 0.037 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion:	105	Resp:	12677
Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.7	31.1#

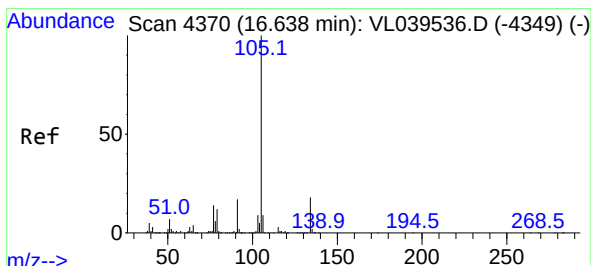
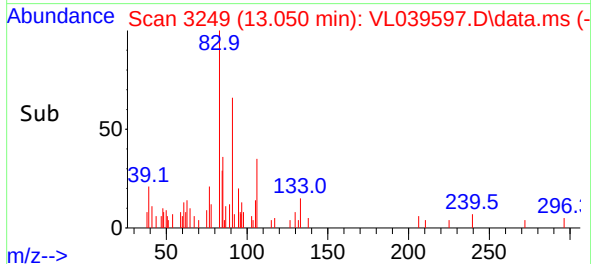
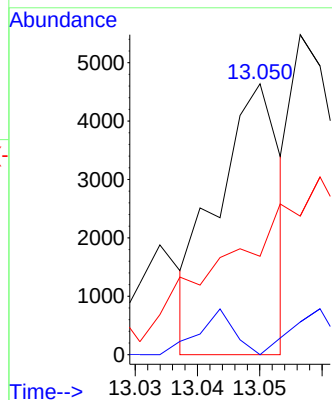
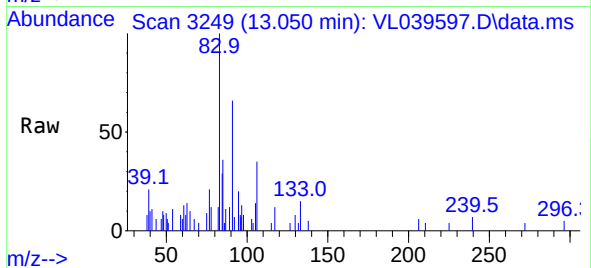




#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.002 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

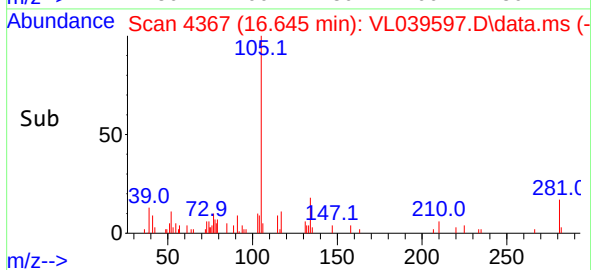
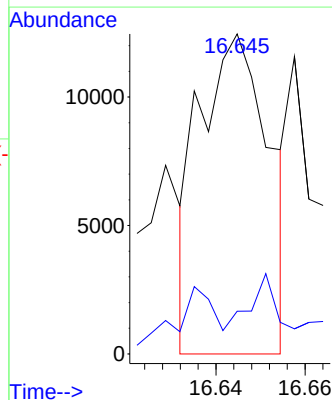
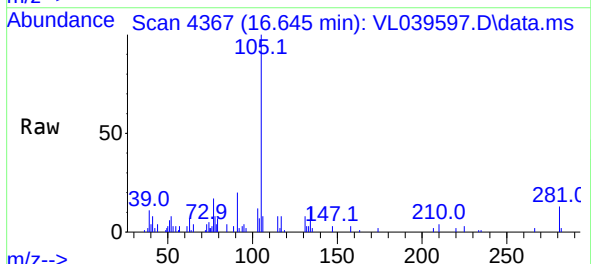
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

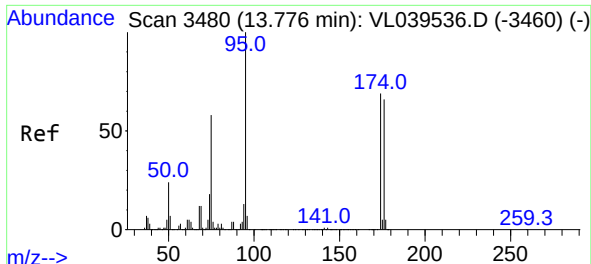
Tgt Ion: 83 Resp: 3278
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 0.0 33.1 99.5#



#67
sec-Butylbenzene
Concen: 0.031 ppbv
RT: 16.645 min Scan# 4367
Delta R.T. 0.007 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 105 Resp: 13420
Ion Ratio Lower Upper
105 100
134 0.0 14.8 22.2#

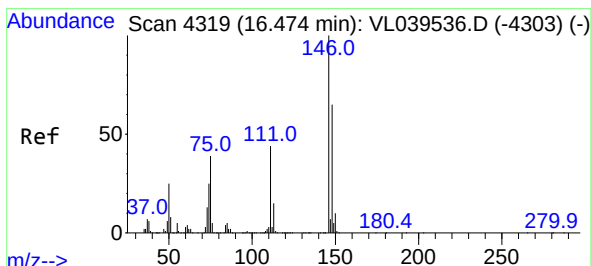
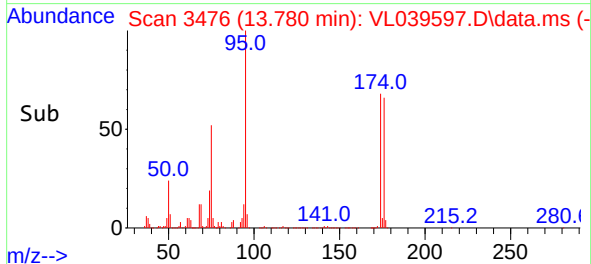
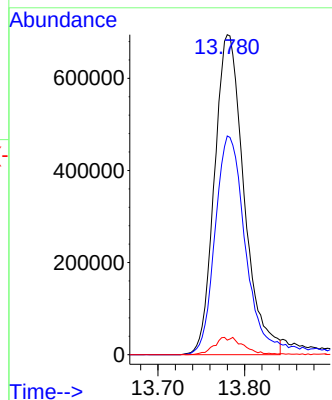
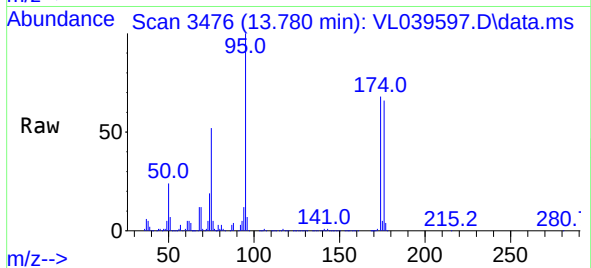




#68
1-Bromo-4-Fluorobenzene
Concen: 9.568 ppbv
RT: 13.780 min Scan# 3480
Delta R.T. 0.004 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

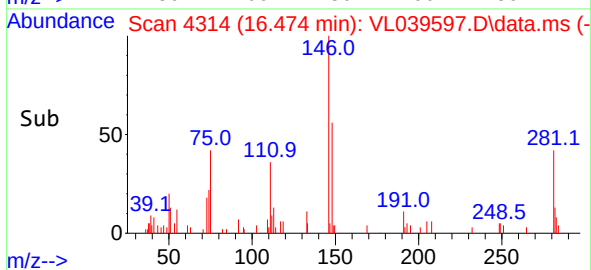
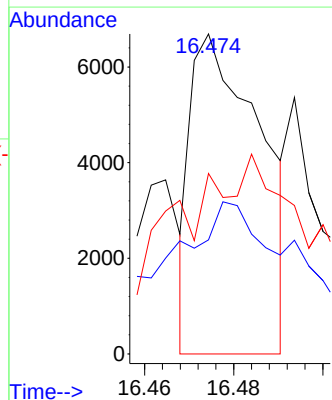
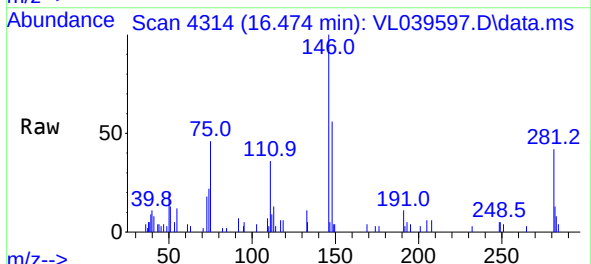
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

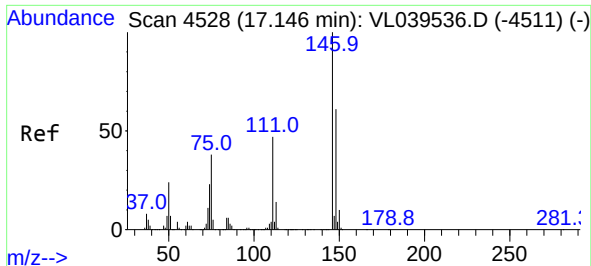
Tgt Ion: 95 Resp: 1647527
Ion Ratio Lower Upper
95 100
174 72.6 55.9 83.9
175 5.6 4.2 6.4



#76
1,4-Dichlorobenzene
Concen: 0.045 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. 0.001 min
Lab File: VL039597.D
Acq: 26 Aug 2022 10:21

Tgt Ion: 146 Resp: 7264
Ion Ratio Lower Upper
146 100
111 104.0 22.9 68.8#
148 150.4 33.6 100.8#

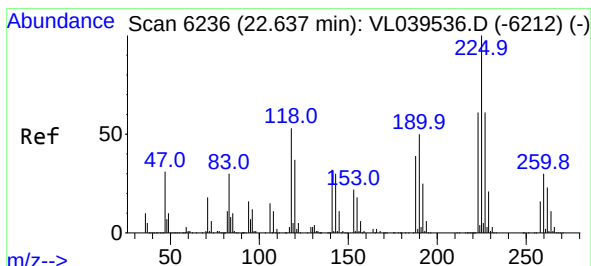
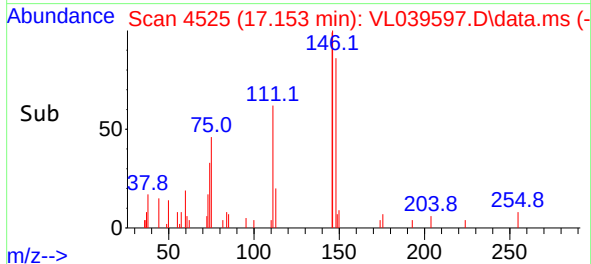
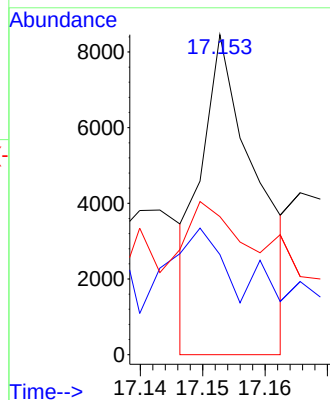
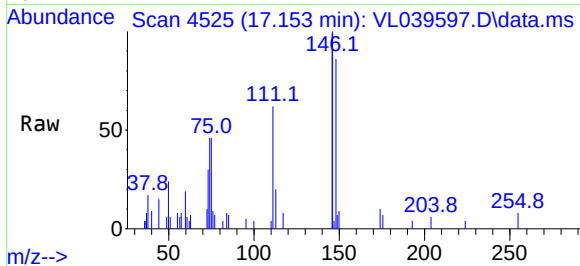




#77
 1,2-Dichlorobenzene
 Concen: 0.033 ppbv
 RT: 17.153 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL039597.D
 Acq: 26 Aug 2022 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Tgt Ion:146 Resp: 5205
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.5#
 148 186.7 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.065 ppbv
 RT: 22.641 min Scan# 6232
 Delta R.T. 0.004 min
 Lab File: VL039597.D
 Acq: 26 Aug 2022 10:21

Tgt Ion:225 Resp: 8311
 Ion Ratio Lower Upper
 225 100
 223 103.6 51.8 77.6#
 227 128.3 51.4 77.2#

