

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039710.D
 Acq On : 11 Oct 2022 00:07
 Operator : SY/AP
 Sample : N4955-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 11 07:24:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1015552	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2599481	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2279826	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1726847	10.147	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	18624	0.158	ppbv	92
3) Chlorodifluoromethane	2.690	51	13745	0.114	ppbv	98
4) Chloromethane	2.832	50	7983	0.110	ppbv	98
5) Vinyl Chloride	2.934	62	6258	0.103	ppbv	99
6) Bromomethane	3.137	94	2677m	0.120	ppbv	
7) Chloroethane	3.211	64	2880m	0.130	ppbv	
8) Dichlorotetrafluoroethane	2.867	85	17019m	0.121	ppbv	
9) Propene	2.719	41	11201m	0.203	ppbv	
10) Heptane	7.581	43	8258m	0.064	ppbv	
11) Trichlorofluoromethane	3.574	101	14684m	0.101	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.066	101	11624m	0.106	ppbv	
13) Ethanol	3.288	45	1277m	0.304	ppbv	
14) Bromoethene	3.378	108	4227m	0.096	ppbv	
15) Acetone	3.497	43	21118m	0.187	ppbv	
16) 1,3-Butadiene	3.002	39	8683m	0.151	ppbv	
17) tert-Butyl alcohol	3.915	59	11941m	0.118	ppbv	
18) 1,1-Dichloroethene	3.893	96	5639m	0.116	ppbv	
19) Isopropyl Alcohol	3.607	45	8649m	0.150	ppbv	
20) Methylene Chloride	3.944	84	12130m	0.232	ppbv	
21) Allyl Chloride	4.008	41	7092m	0.092	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	4580	0.096	ppbv	85
23) Vinyl Acetate	4.639	43	7407m	0.145	ppbv	
24) 1,1-Dichloroethane	4.568	63	10329m	0.102	ppbv	
25) Ethyl Acetate	5.221	43	19577	0.079	ppbv #	95
26) Hexane	5.211	57	10459	0.100	ppbv #	91
27) Carbon Disulfide	4.134	76	7385	0.067	ppbv #	68
28) Methyl tert-Butyl Ether	4.619	73	8641m	0.098	ppbv	
29) Chloroform	5.275	83	15887m	0.105	ppbv	
30) Cyclohexane	6.626	84	9362m	0.116	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	9477m	0.100	ppbv	
32) 1,1,1-Trichloroethane	6.002	97	12275m	0.090	ppbv	
34) 2-Butanone	4.812	43	15055m	0.118	ppbv	
35) Carbon Tetrachloride	6.491	117	12184m	0.088	ppbv	
36) Benzene	6.368	78	15596	0.078	ppbv #	87
37) 1,2-Dichloroethane	5.806	62	10855m	0.100	ppbv	
38) Trichloroethene	7.288	130	10521m	0.098	ppbv	
48) Dibromochloromethane	9.700	129	8041m	0.064	ppbv	
53) Toluene	9.204	91	14527m	0.066	ppbv	
54) 1,2-Dibromoethane	9.995	107	8851m	0.099	ppbv	
71) 2-Chlorotoluene	14.789	91	16195m	0.067	ppbv	

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

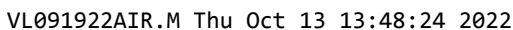
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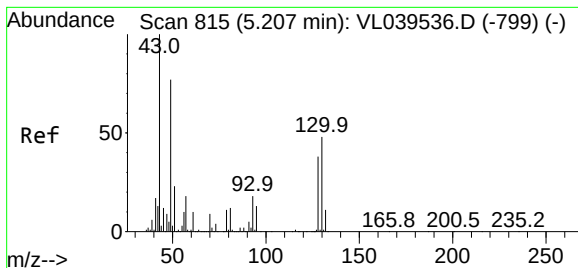
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

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QLast Update : Mon Sep 19 14:26:28 2022
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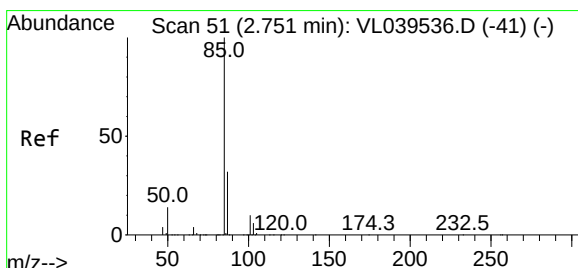
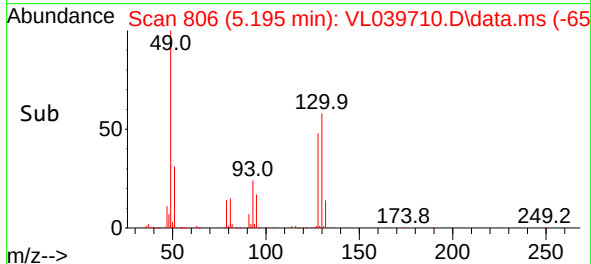
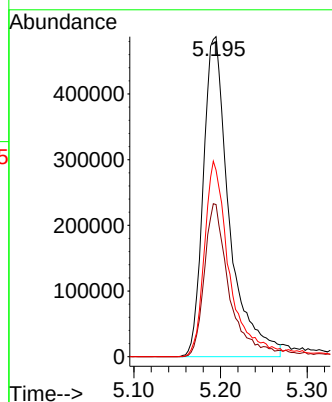
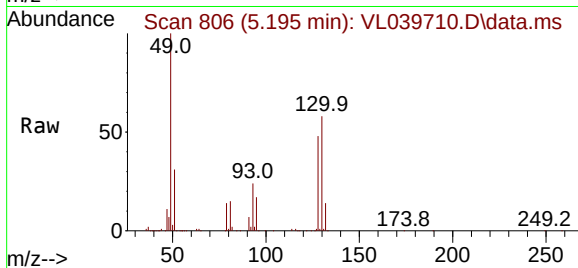




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

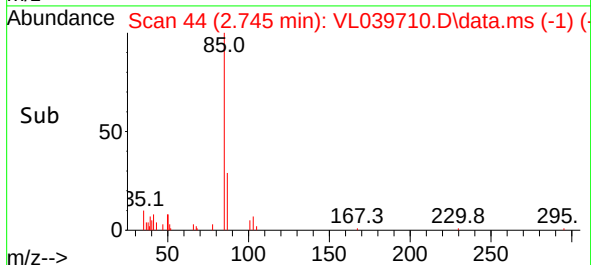
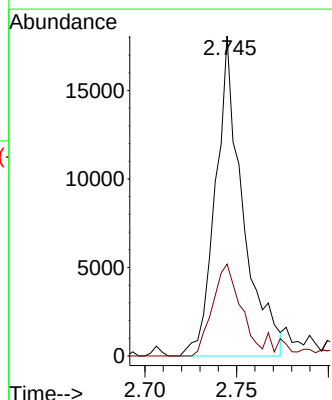
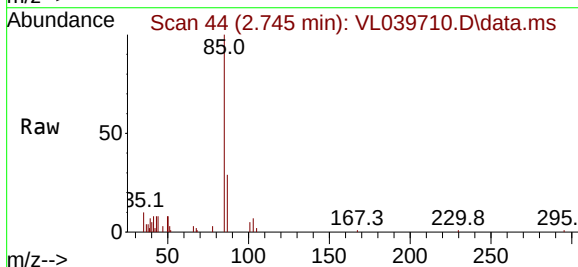
Instrument :
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 MDL-AIR-03-QT4-2022DL

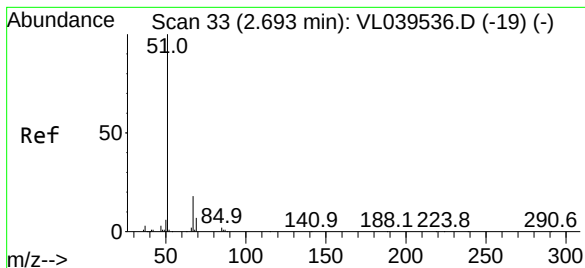
Tgt Ion: 49 Resp: 1015552
 Ion Ratio Lower Upper
 49 100
 128 48.3 26.7 80.0
 130 62.6 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.158 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

Tgt Ion: 85 Resp: 18624
 Ion Ratio Lower Upper
 85 100
 87 28.7 26.7 40.1

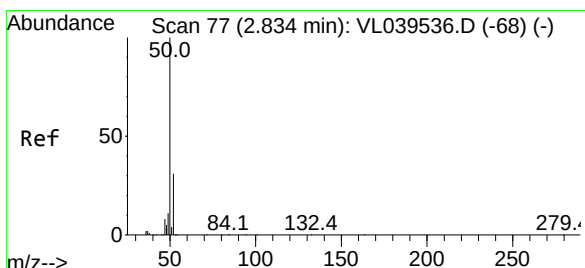
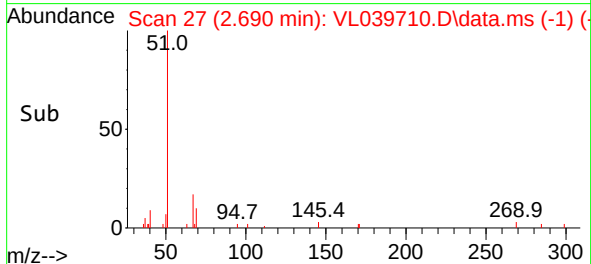
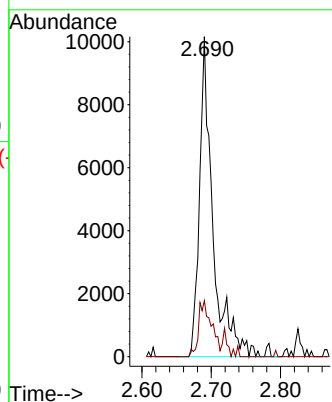
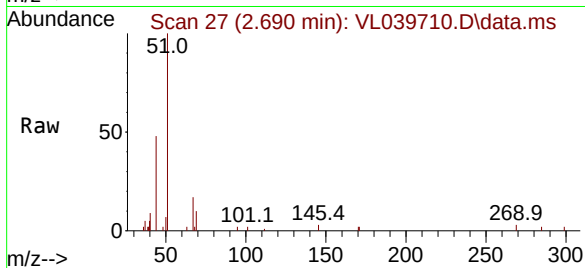




#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

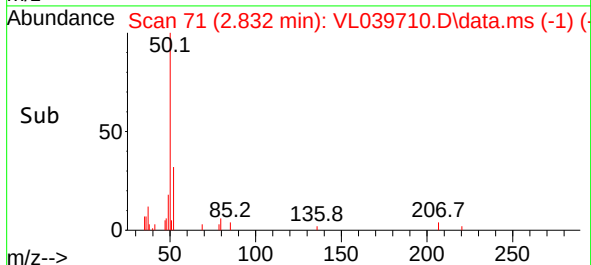
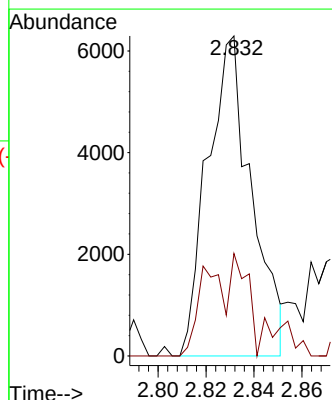
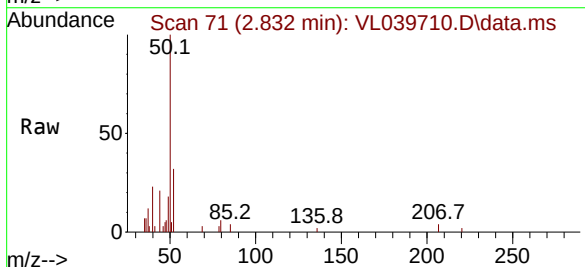
Instrument :
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MDL-AIR-03-QT4-2022DL

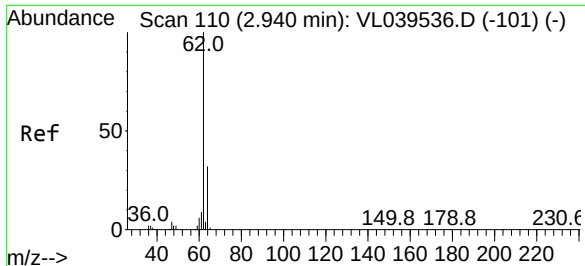
Tgt Ion: 51 Resp: 13745
Ion Ratio Lower Upper
51 100
67 20.6 15.7 23.5



#4
Chloromethane
Concen: 0.110 ppbv
RT: 2.832 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 50 Resp: 7983
Ion Ratio Lower Upper
50 100
52 32.0 26.5 39.7

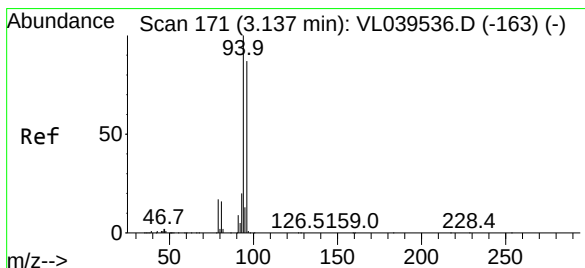
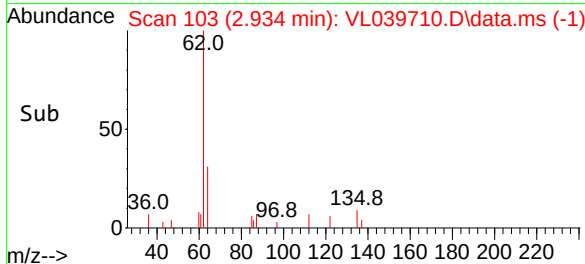
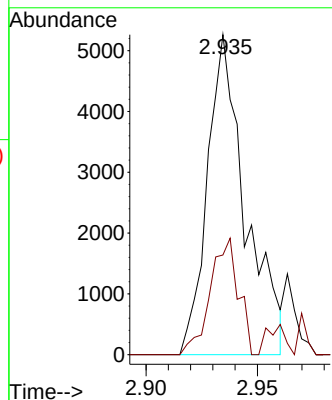
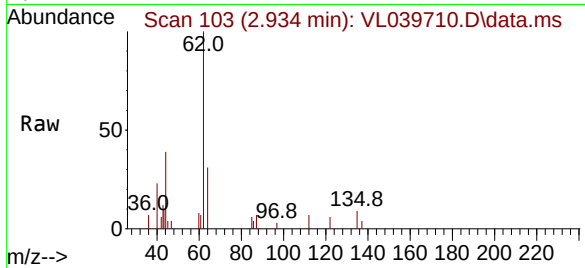




#5
 Vinyl Chloride
 Concen: 0.103 ppbv
 RT: 2.934 min Scan# 103
 Delta R.T. -0.006 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

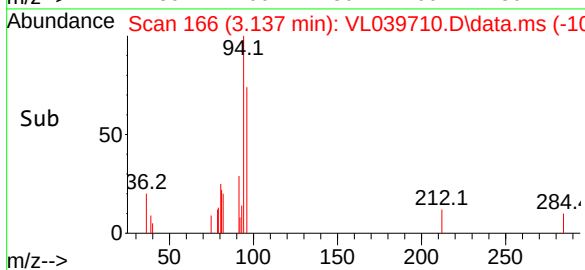
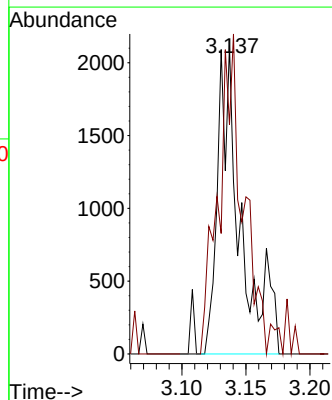
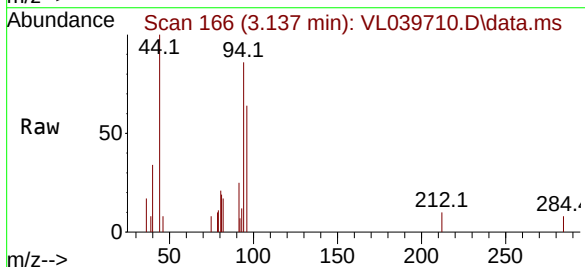
Instrument :
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 MDL-AIR-03-QT4-2022DL

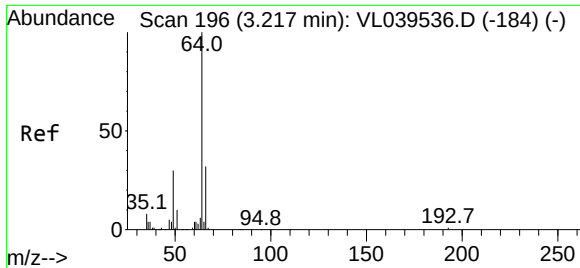
Tgt Ion: 62 Resp: 6258
 Ion Ratio Lower Upper
 62 100
 64 31.2 24.6 36.8



#6
 Bromomethane
 Concen: 0.120 ppbv m
 RT: 3.137 min Scan# 166
 Delta R.T. 0.001 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

Tgt Ion: 94 Resp: 2677
 Ion Ratio Lower Upper
 94 100
 96 74.3 75.6 113.4#

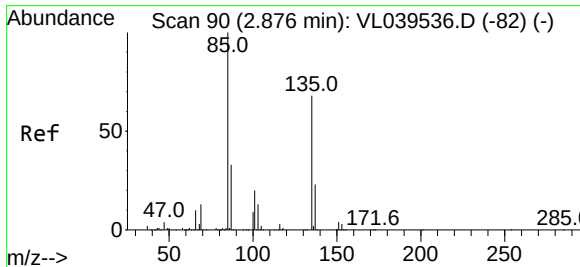
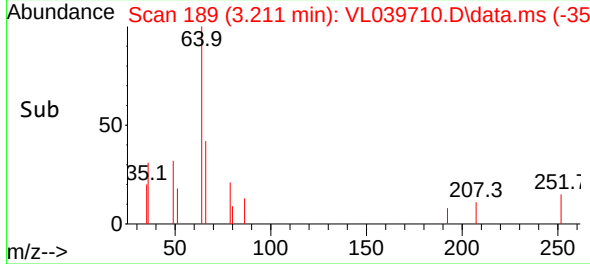
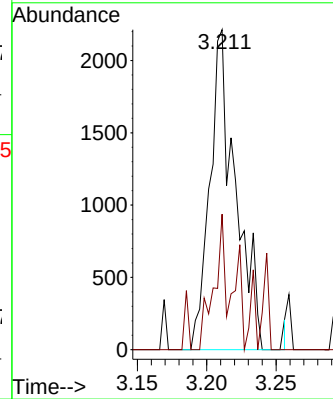
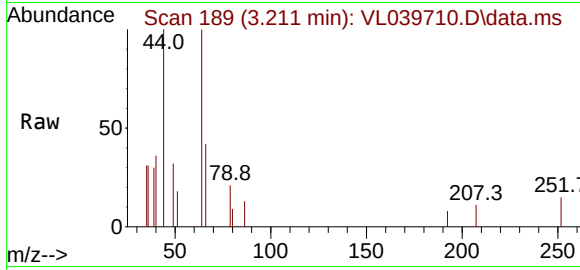




#7
Chloroethane
Concen: 0.130 ppbv m
RT: 3.211 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

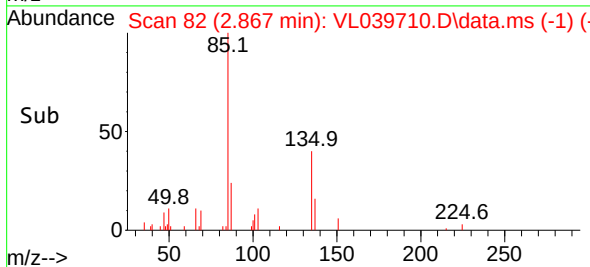
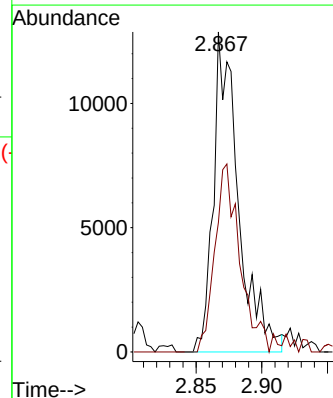
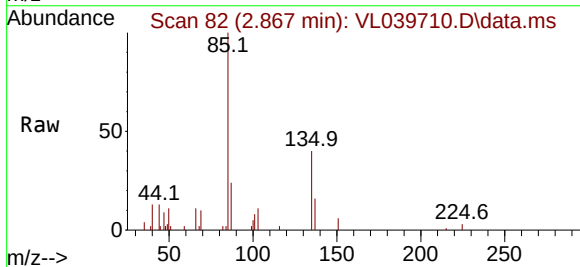
Instrument :
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ClientSampleId :
MDL-AIR-03-QT4-2022DL

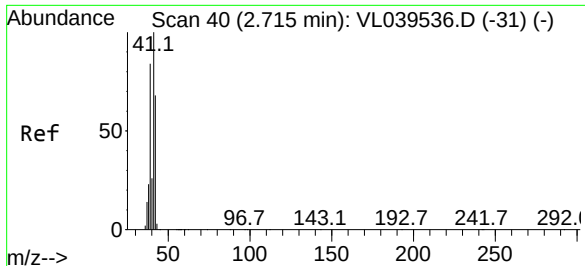
Tgt Ion: 64 Resp: 2880
Ion Ratio Lower Upper
64 100
66 42.4 24.7 37.1#



#8
Dichlorotetrafluoroethane
Concen: 0.121 ppbv m
RT: 2.867 min Scan# 82
Delta R.T. -0.009 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 85 Resp: 17019
Ion Ratio Lower Upper
85 100
135 0.0 59.0 88.4#

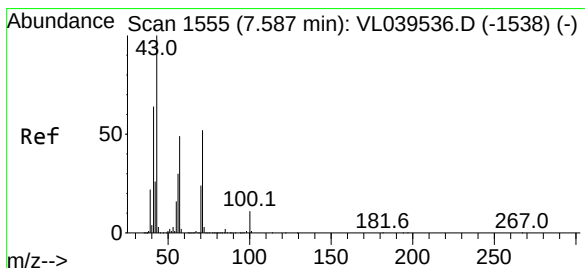
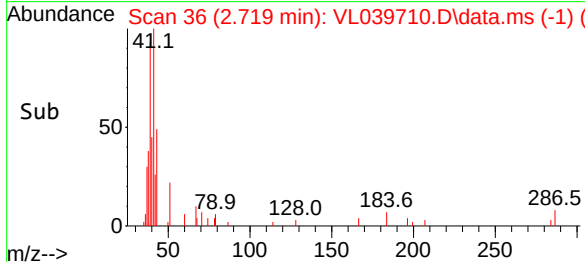
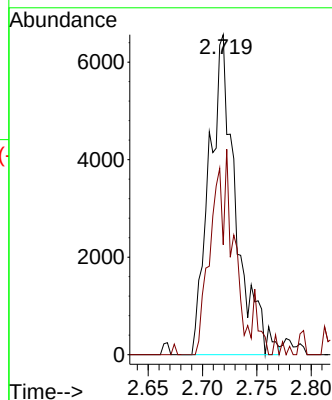
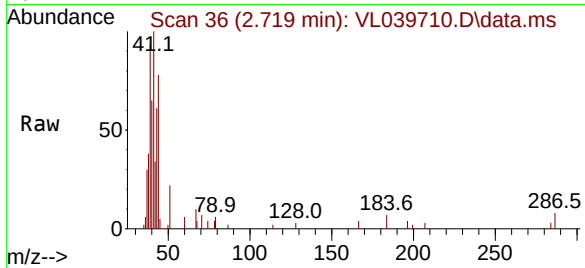




#9
 Propene
 Concen: 0.203 ppbv m
 RT: 2.719 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

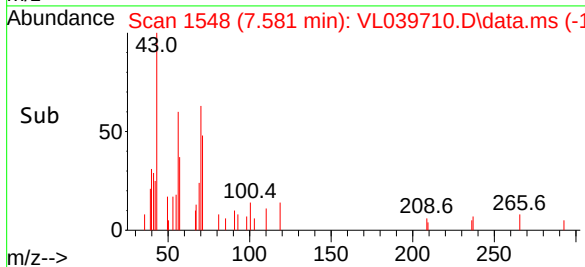
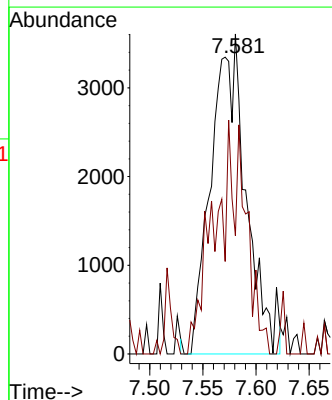
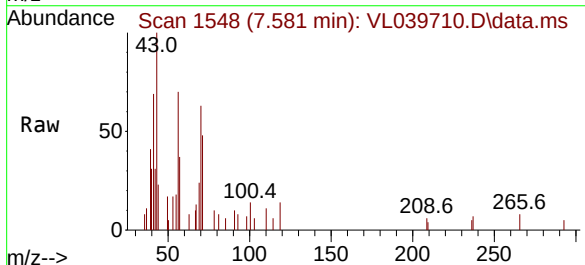
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 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

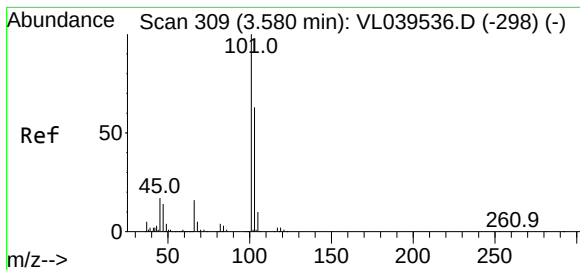
Tgt Ion: 41 Resp: 11201
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.2 82.8#



#10
 Heptane
 Concen: 0.064 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.006 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

Tgt Ion: 43 Resp: 8258
 Ion Ratio Lower Upper
 43 100
 57 32.8 40.5 60.7#

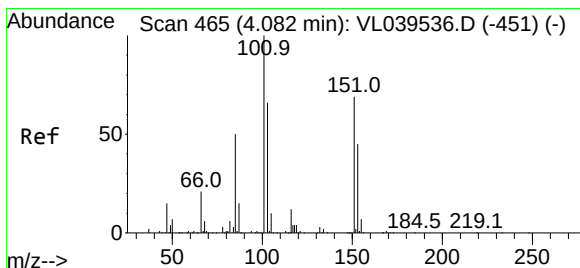
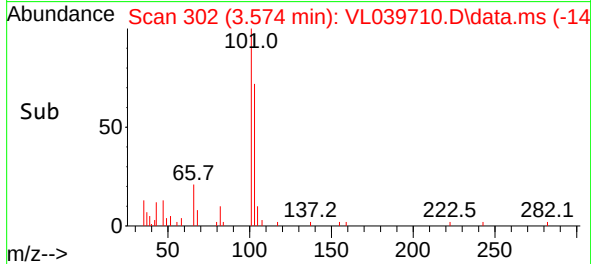
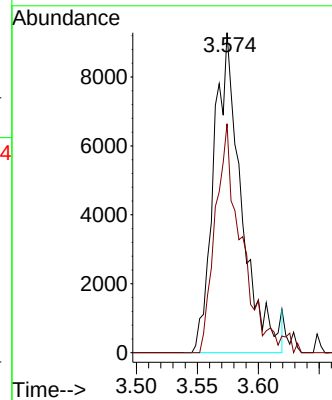
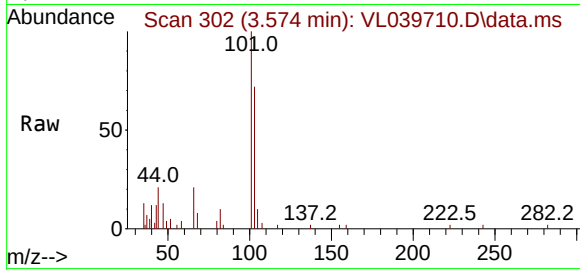




#11
 Trichlorofluoromethane
 Concen: 0.101 ppbv m
 RT: 3.574 min Scan# 309
 Delta R.T. -0.006 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

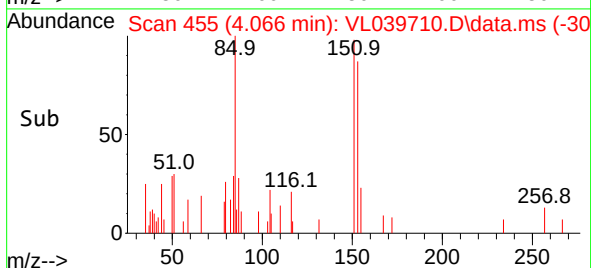
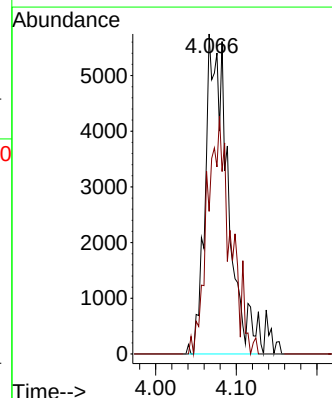
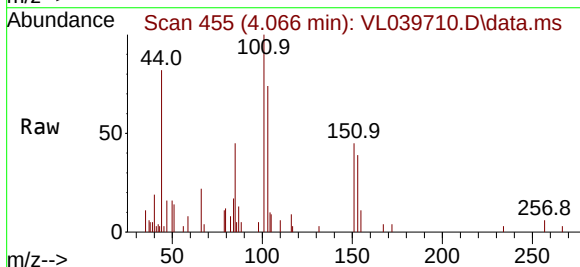
Instrument :
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 MDL-AIR-03-QT4-2022DL

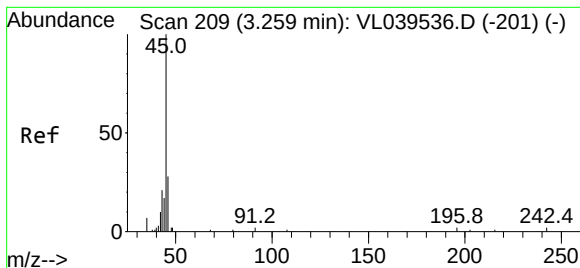
Tgt Ion:101 Resp: 14684
 Ion Ratio Lower Upper
 101 100
 103 71.5 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.106 ppbv m
 RT: 4.066 min Scan# 455
 Delta R.T. -0.016 min
 Lab File: VL039710.D
 Acq: 11 Oct 2022 00:07

Tgt Ion:101 Resp: 11624
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.9 88.3#





#13

Ethanol

Concen: 0.304 ppbv m

RT: 3.288 min Scan# 213

Delta R.T. 0.029 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

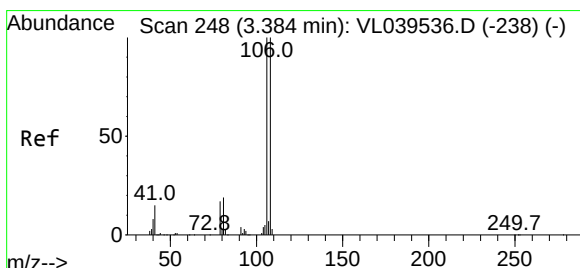
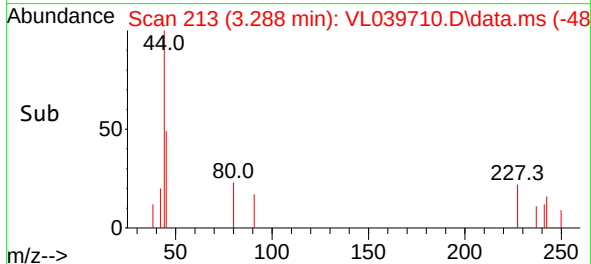
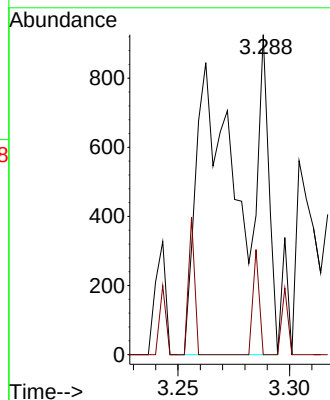
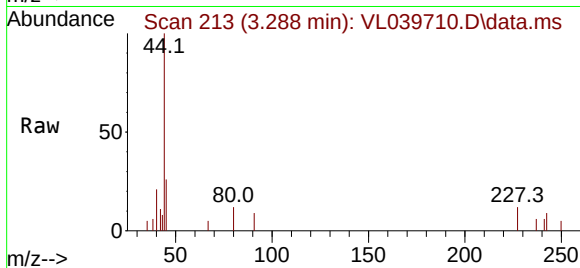
MDL-AIR-03-QT4-2022DL

Tgt Ion: 45 Resp: 1277

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#



#14

Bromoethene

Concen: 0.096 ppbv m

RT: 3.378 min Scan# 241

Delta R.T. -0.006 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

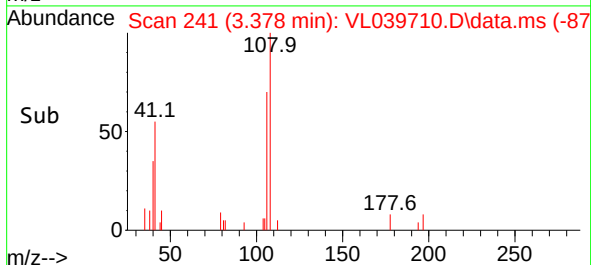
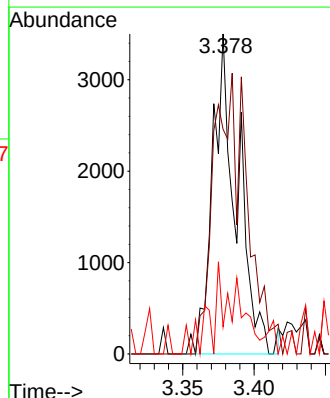
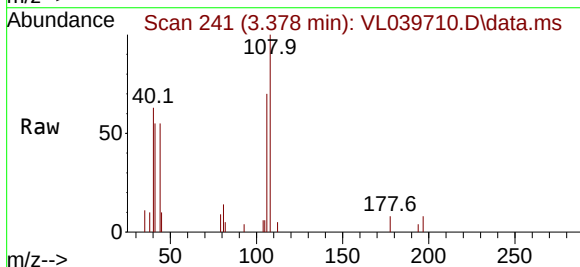
Tgt Ion:108 Resp: 4227

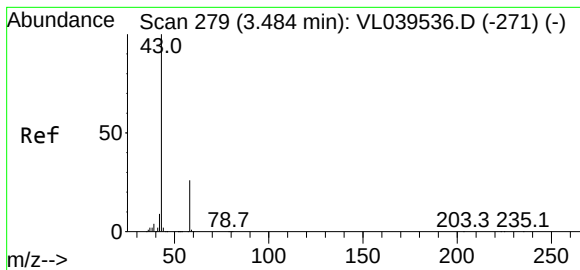
Ion Ratio Lower Upper

108 100

106 0.0 87.1 130.7#

79 34.6 14.6 22.0#

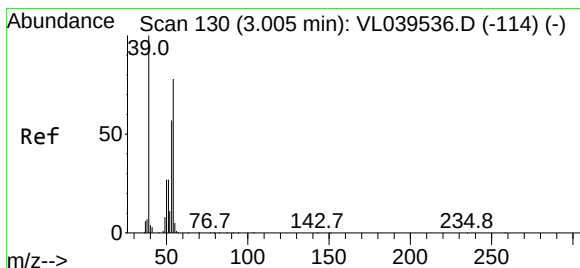
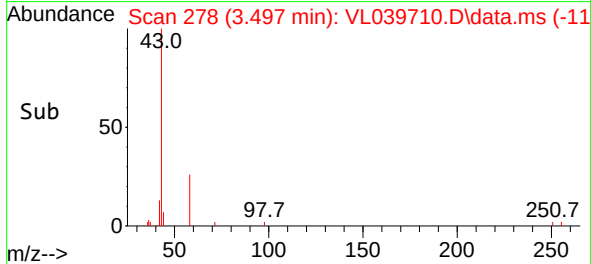
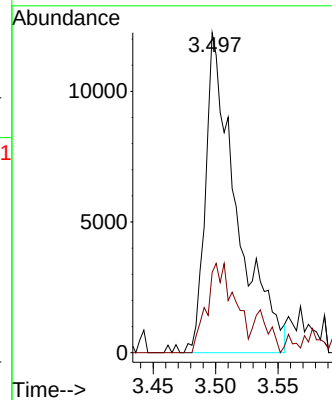
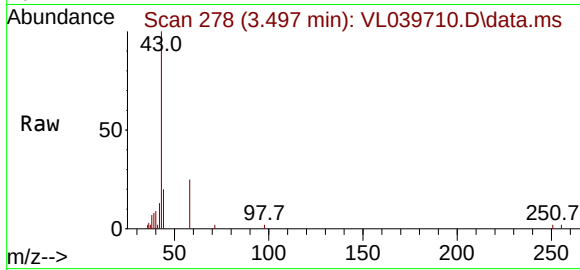




#15
Acetone
Concen: 0.187 ppbv m
RT: 3.497 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

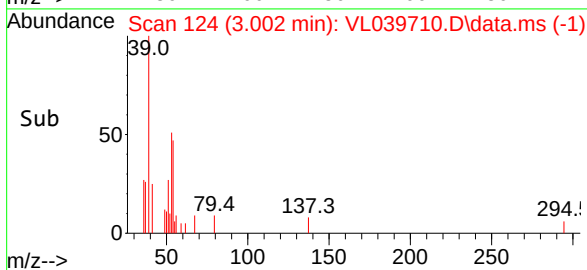
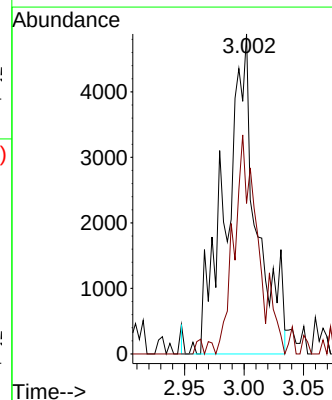
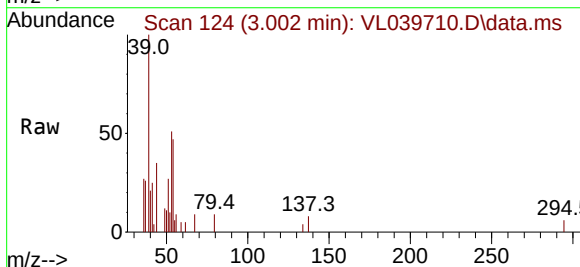
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

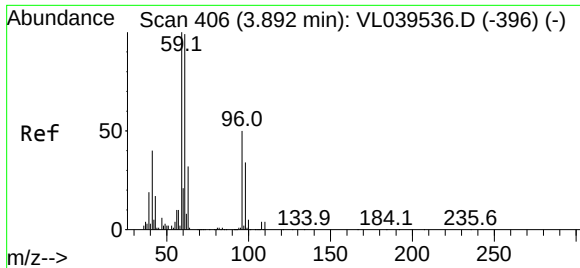
Tgt Ion: 43 Resp: 21118
Ion Ratio Lower Upper
43 100
58 33.3 21.0 31.6#



#16
1,3-Butadiene
Concen: 0.151 ppbv m
RT: 3.002 min Scan# 124
Delta R.T. -0.003 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 39 Resp: 8683
Ion Ratio Lower Upper
39 100
54 0.0 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 0.118 ppbv m

RT: 3.915 min Scan# 408

Delta R.T. 0.023 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

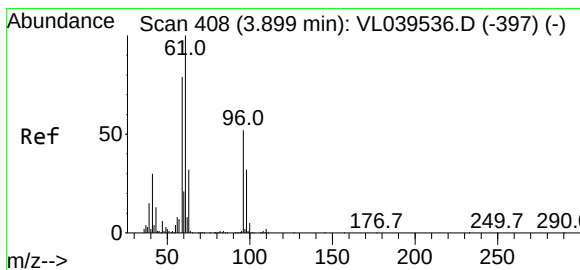
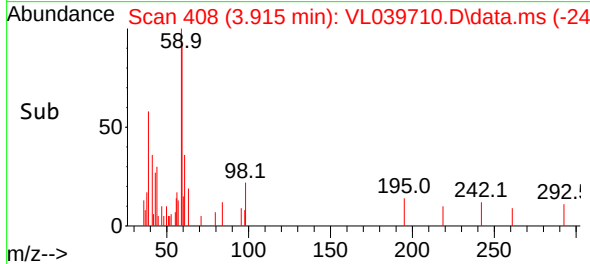
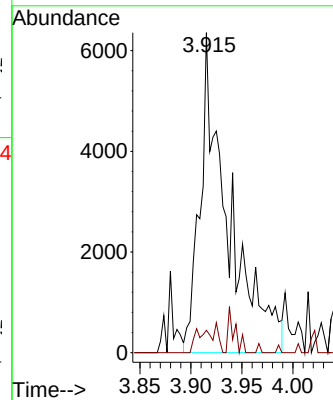
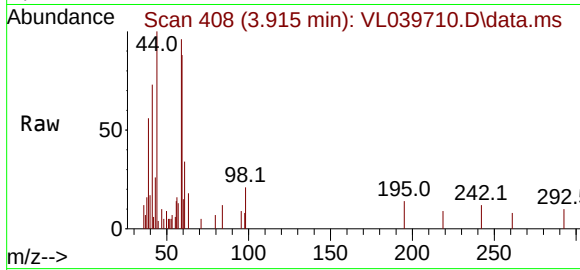
MDL-AIR-03-QT4-2022DL

Tgt Ion: 59 Resp: 11941

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.116 ppbv m

RT: 3.893 min Scan# 401

Delta R.T. -0.006 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

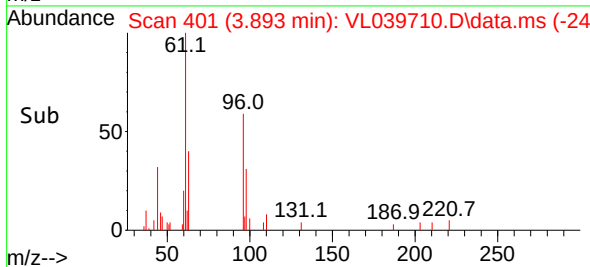
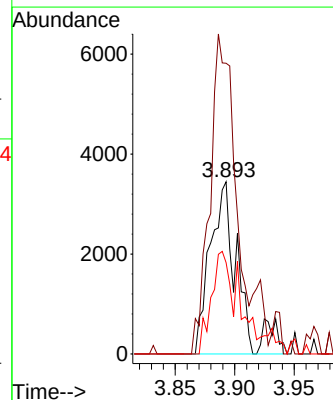
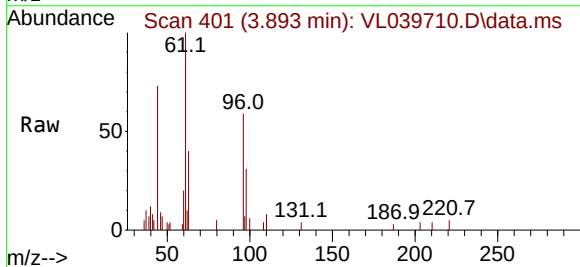
Tgt Ion: 96 Resp: 5639

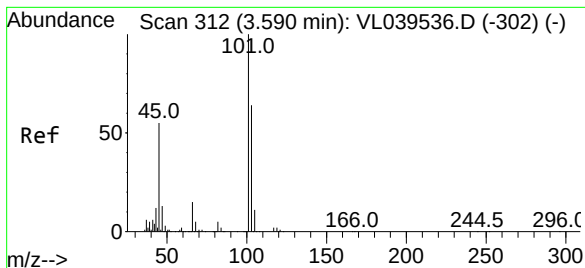
Ion Ratio Lower Upper

96 100

61 168.9 152.2 228.4

98 53.1 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.150 ppbv m

RT: 3.607 min Scan# 312

Delta R.T. 0.017 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

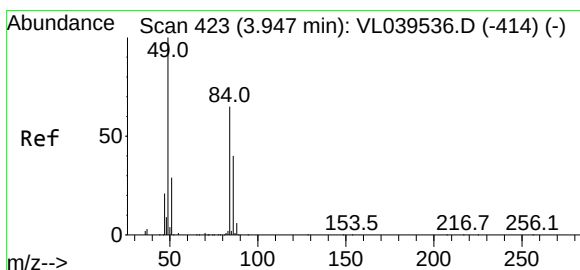
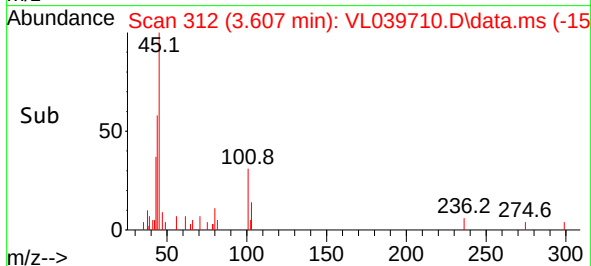
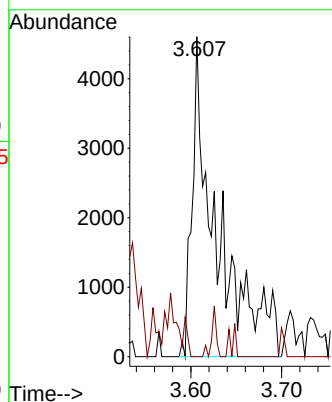
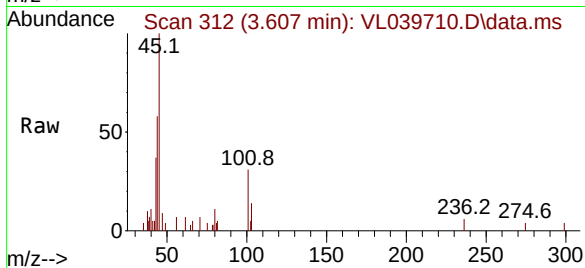
MDL-AIR-03-QT4-2022DL

Tgt Ion: 45 Resp: 8649

Ion Ratio Lower Upper

45 100

58 10.1 3.2 4.8#



#20

Methylene Chloride

Concen: 0.232 ppbv m

RT: 3.944 min Scan# 417

Delta R.T. -0.003 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Tgt Ion: 84 Resp: 12130

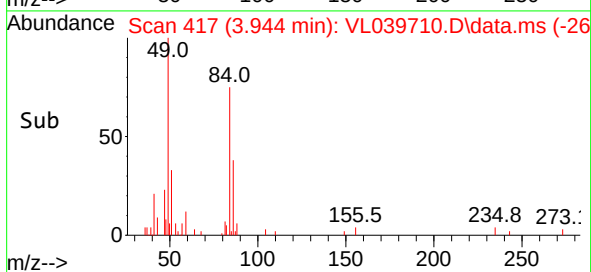
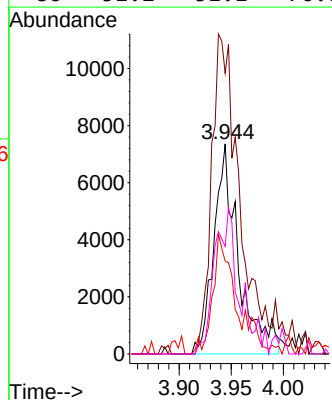
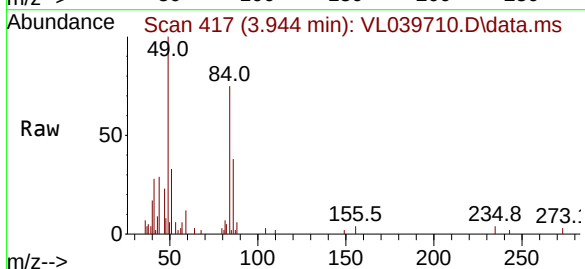
Ion Ratio Lower Upper

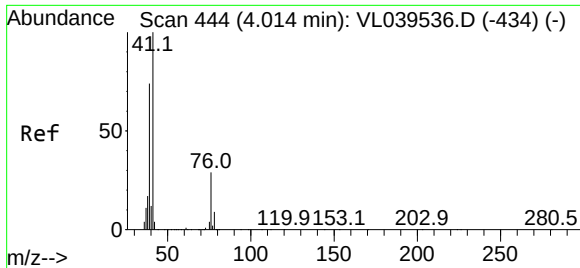
84 100

49 133.6 123.1 184.7

51 44.2 34.4 51.6

86 51.2 51.1 76.7





#21

Allyl Chloride

Concen: 0.092 ppbv m

RT: 4.008 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

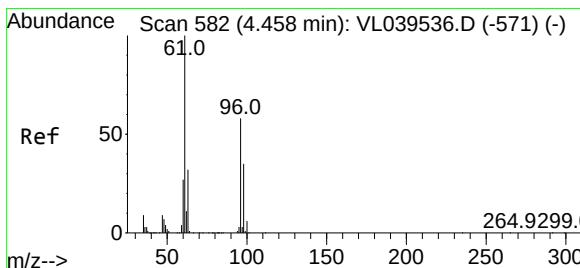
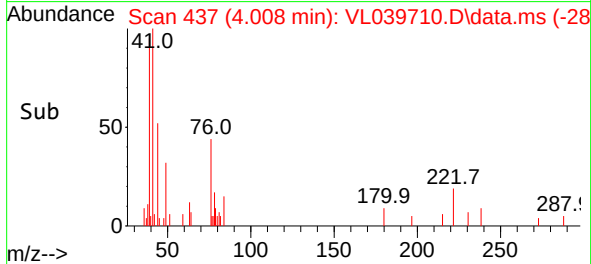
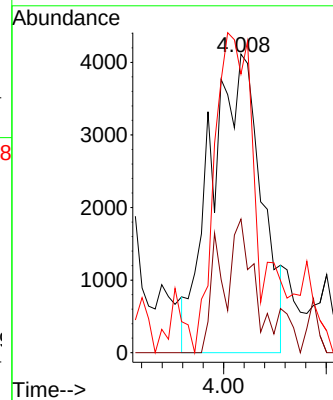
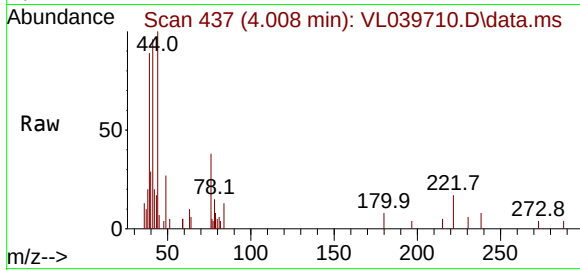
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

Tgt Ion: 41	Resp: 7092
Ion Ratio	Lower Upper
41	100
76	36.4 24.4 36.6
39	0.0 63.5 95.3#



#22

trans-1,2-Dichloroethene

Concen: 0.096 ppbv

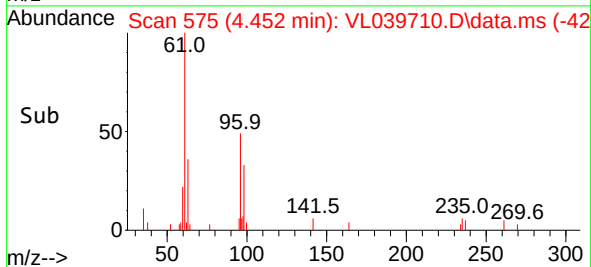
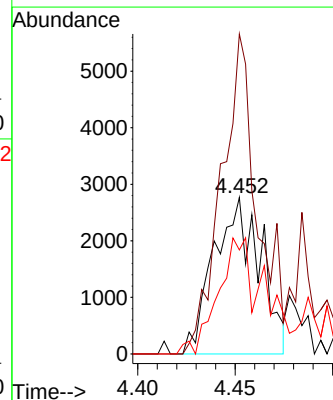
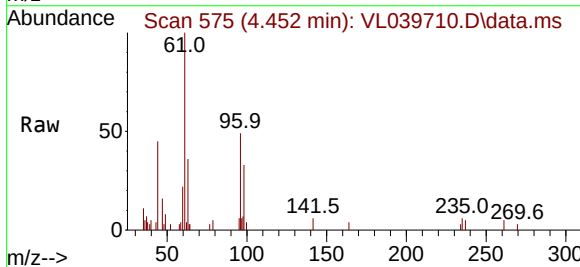
RT: 4.452 min Scan# 575

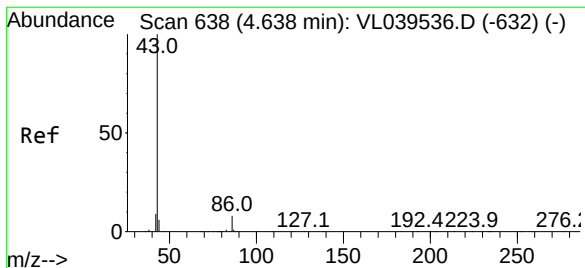
Delta R.T. -0.006 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Tgt Ion: 96	Resp: 4580
Ion Ratio	Lower Upper
96	100
61	182.8 130.6 195.8
98	54.0 53.4 80.0





#23

Vinyl Acetate

Concen: 0.145 ppbv m

RT: 4.639 min Scan# 611

Delta R.T. 0.001 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

Tgt Ion: 43 Resp: 7407

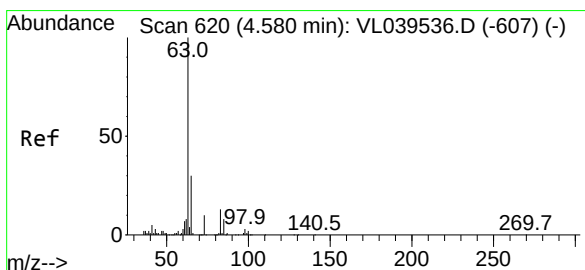
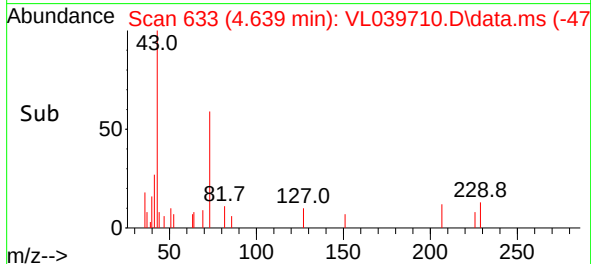
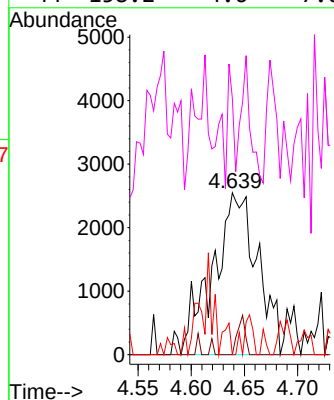
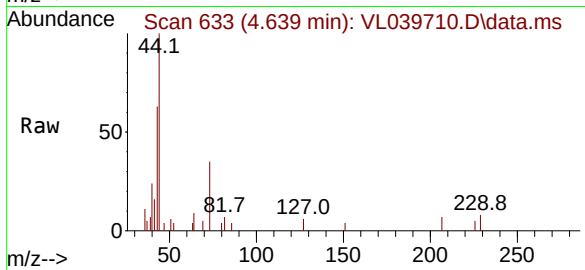
Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.6#

42 0.0 7.7 11.5#

44 158.2 4.6 7.0#



#24

1,1-Dichloroethane

Concen: 0.102 ppbv m

RT: 4.568 min Scan# 611

Delta R.T. -0.012 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

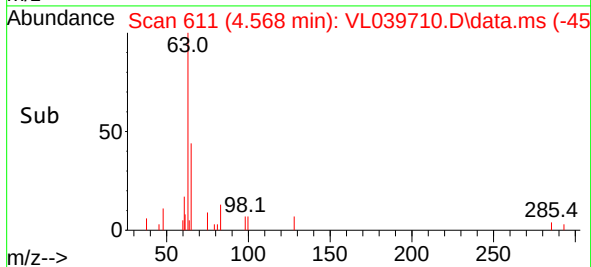
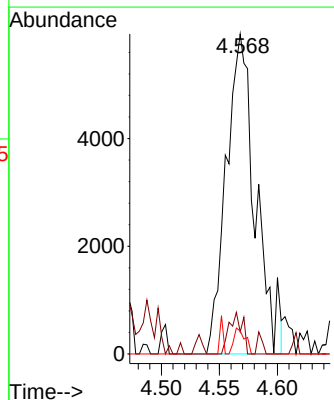
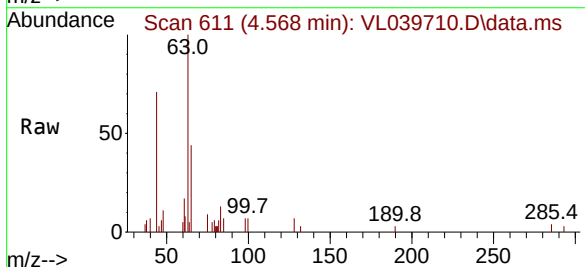
Tgt Ion: 63 Resp: 10329

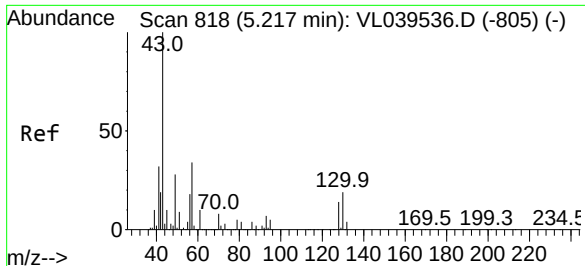
Ion Ratio Lower Upper

63 100

98 6.9 1.8 5.3#

100 7.2 1.5 4.4#





#25

Ethyl Acetate

Concen: 0.079 ppbv

RT: 5.221 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL039710.D

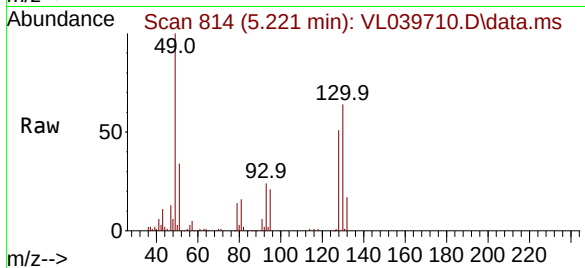
Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL



Tgt Ion: 43 Resp: 19577

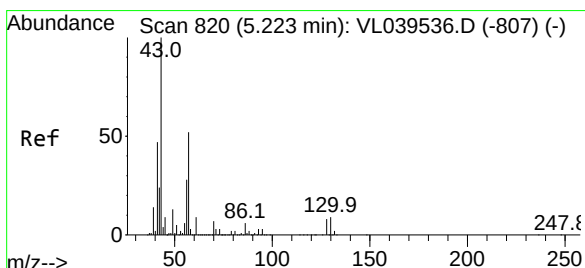
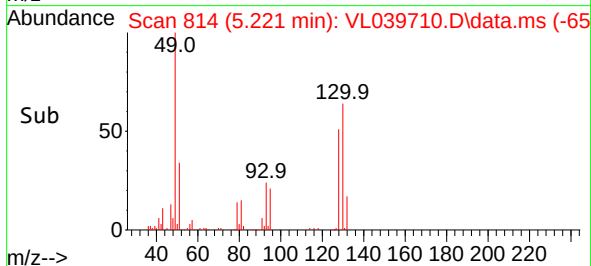
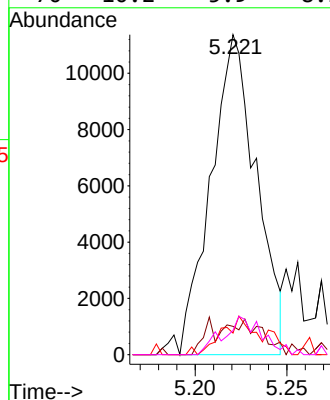
Ion Ratio Lower Upper

43 100

45 13.1 8.2 12.4#

61 10.6 8.3 12.5

70 10.2 5.9 8.9#



#26

Hexane

Concen: 0.100 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.012 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Tgt Ion: 57 Resp: 10459

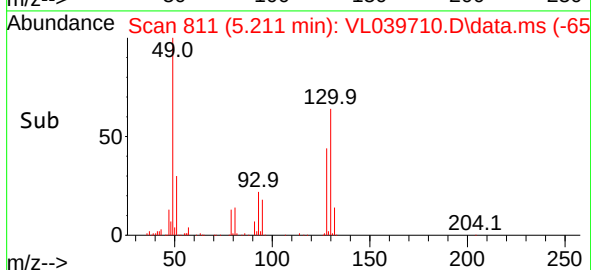
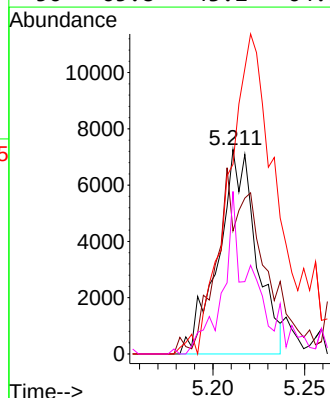
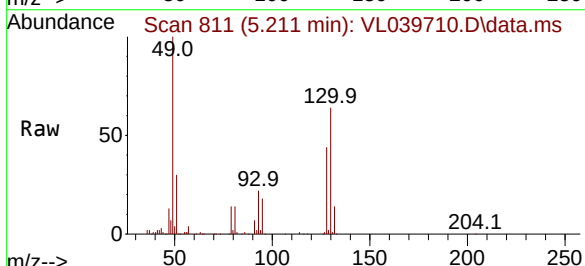
Ion Ratio Lower Upper

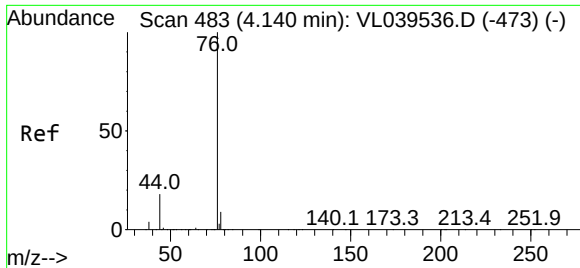
57 100

41 118.1 76.9 115.3#

43 243.3 191.0 286.6

56 65.8 43.2 64.8#

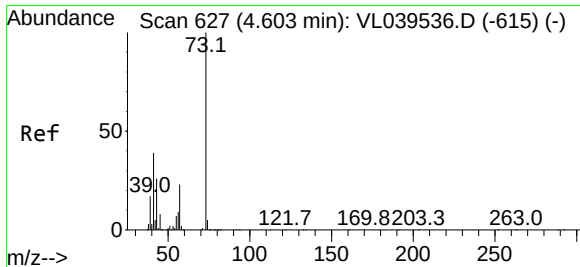
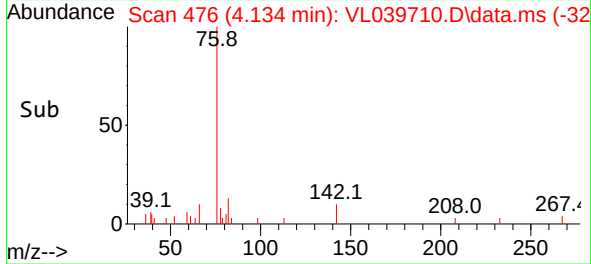
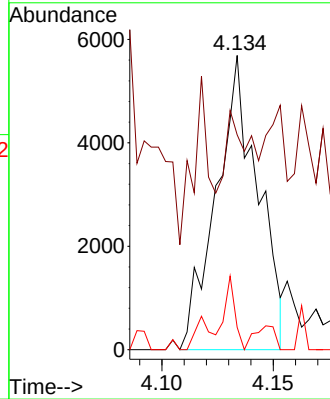
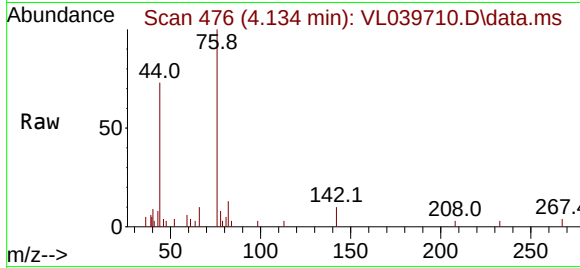




#27
Carbon Disulfide
Concen: 0.067 ppbv
RT: 4.134 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

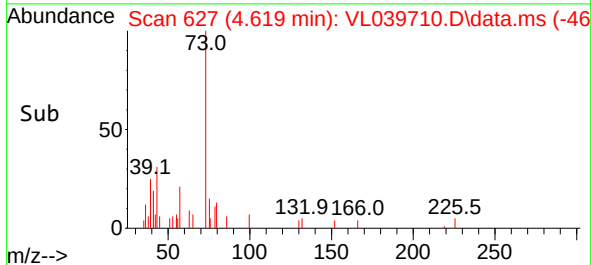
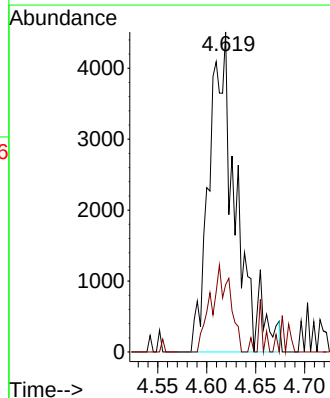
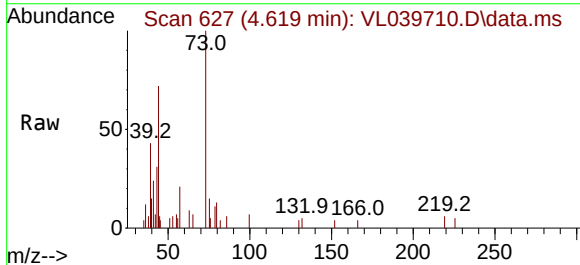
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

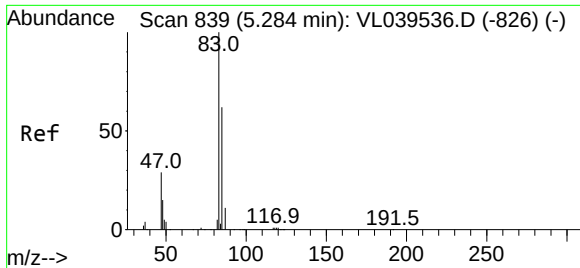
Tgt Ion: 76 Resp: 7385
Ion Ratio Lower Upper
76 100
44 0.0 14.6 21.8#
78 15.0 7.8 11.6#



#28
Methyl tert-Butyl Ether
Concen: 0.098 ppbv m
RT: 4.619 min Scan# 627
Delta R.T. 0.017 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 73 Resp: 8641
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8#

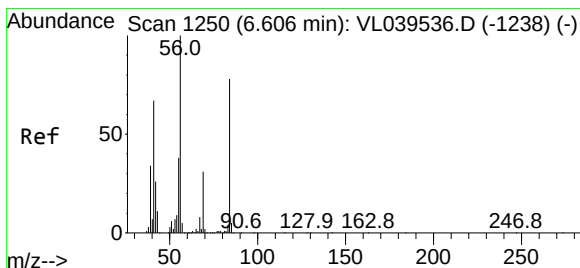
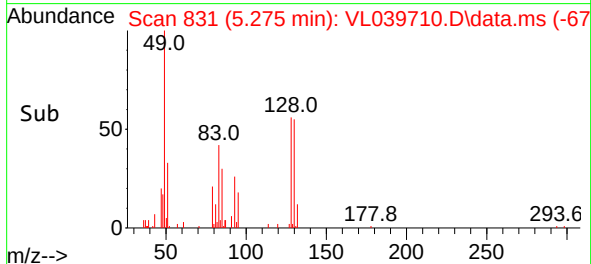
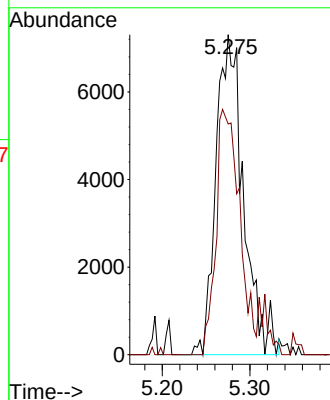
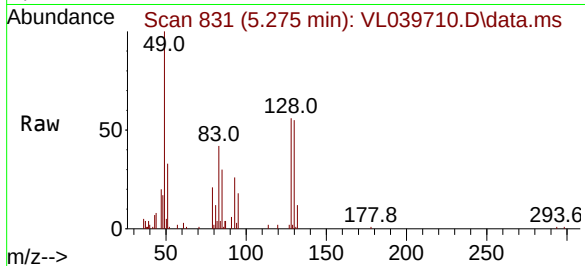




#29
Chloroform
Concen: 0.105 ppbv m
RT: 5.275 min Scan# 81
Delta R.T. -0.009 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

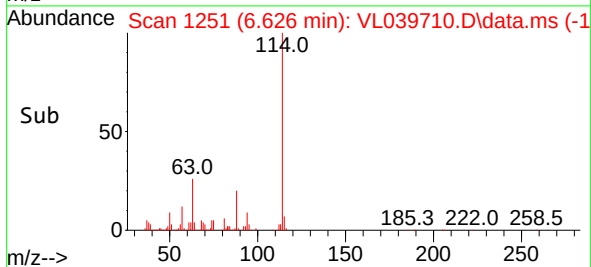
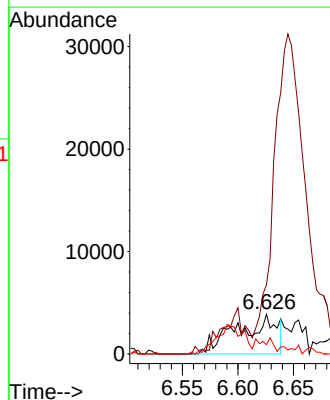
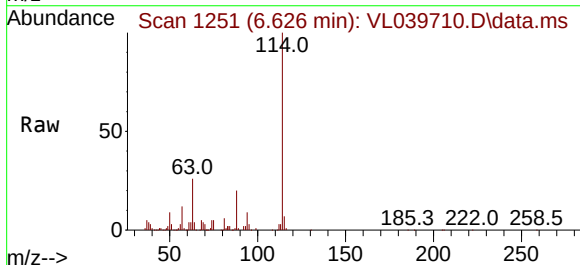
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

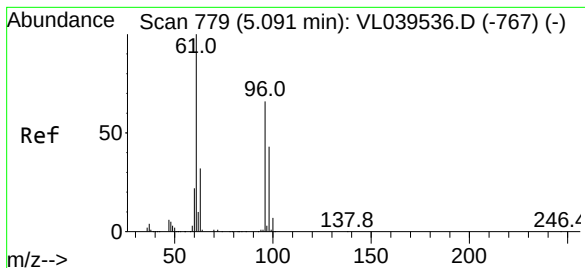
Tgt Ion: 83 Resp: 15887
Ion Ratio Lower Upper
83 100
85 72.1 52.8 79.2



#30
Cyclohexane
Concen: 0.116 ppbv m
RT: 6.626 min Scan# 1251
Delta R.T. 0.020 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 84 Resp: 9362
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 76.9 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 0.100 ppbv m

RT: 5.073 min Scan# 7

Delta R.T. -0.019 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

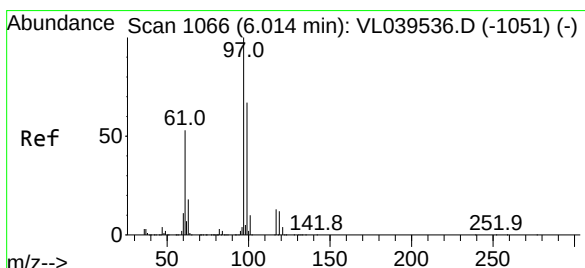
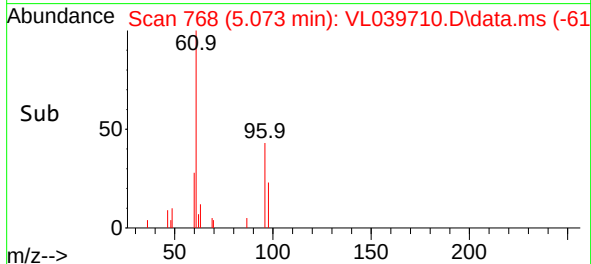
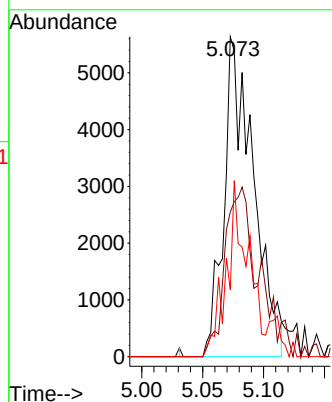
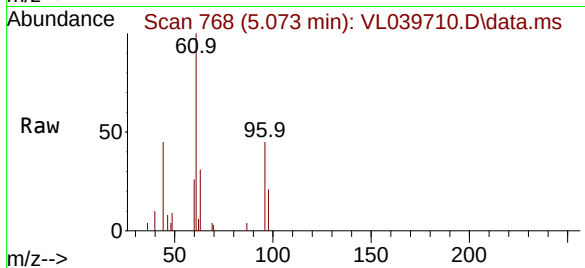
Tgt Ion: 61 Resp: 9477

Ion Ratio Lower Upper

61 100

96 45.2 54.1 81.1#

98 21.0 34.6 52.0#



#32

1,1,1-Trichloroethane

Concen: 0.090 ppbv m

RT: 6.002 min Scan# 1057

Delta R.T. -0.012 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

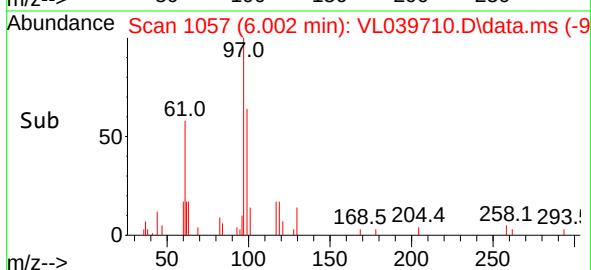
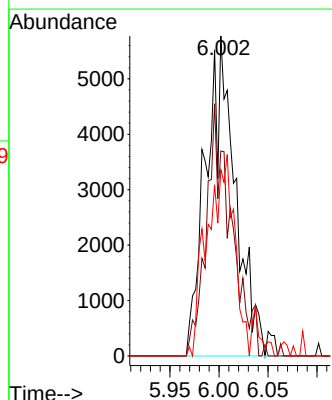
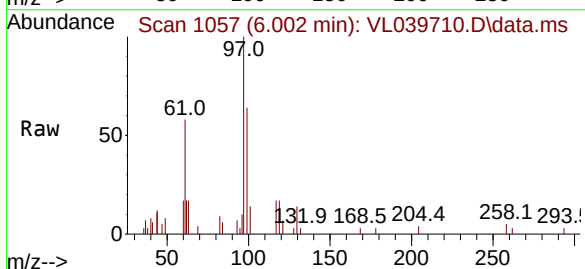
Tgt Ion: 97 Resp: 12275

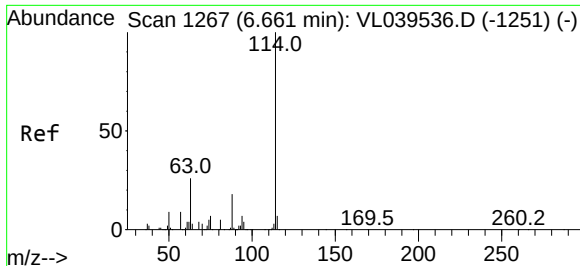
Ion Ratio Lower Upper

97 100

99 65.0 52.3 78.5

61 0.0 40.9 61.3#

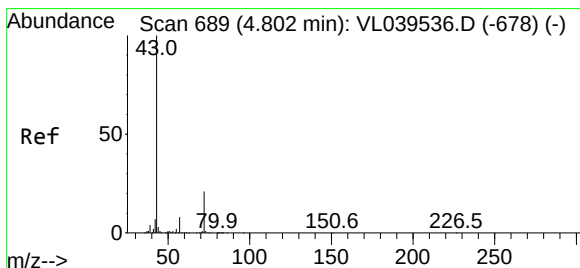
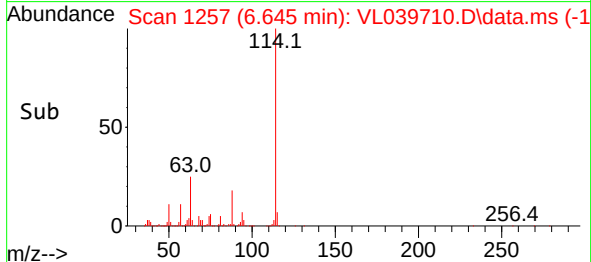
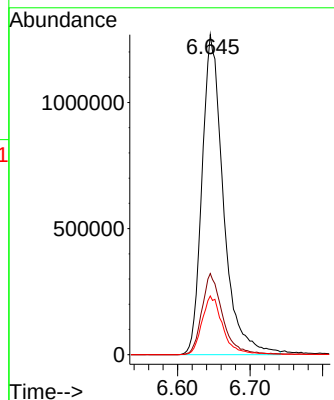
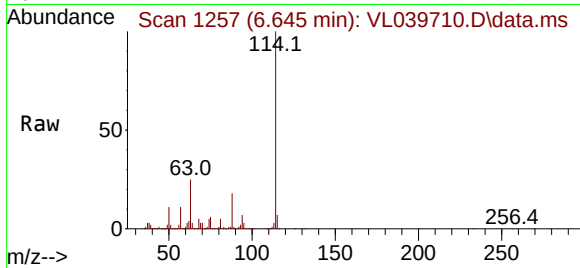




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 114
Delta R.T. -0.016 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

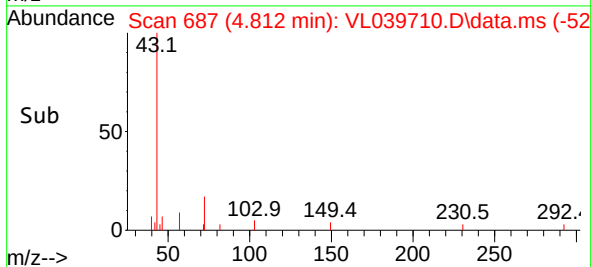
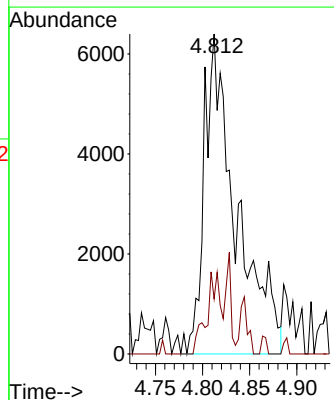
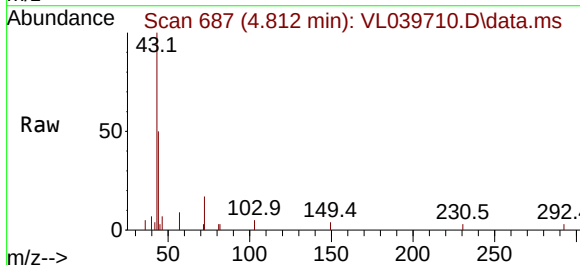
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

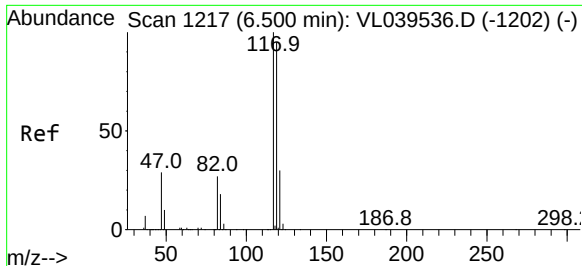
Tgt Ion:114 Resp: 2599481
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.4
88 18.0 14.5 21.7



#34
2-Butanone
Concen: 0.118 ppbv m
RT: 4.812 min Scan# 687
Delta R.T. 0.010 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 43 Resp: 15055
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#

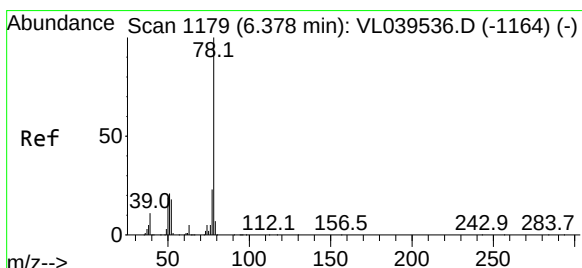
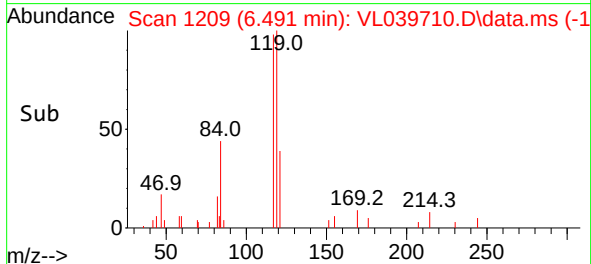
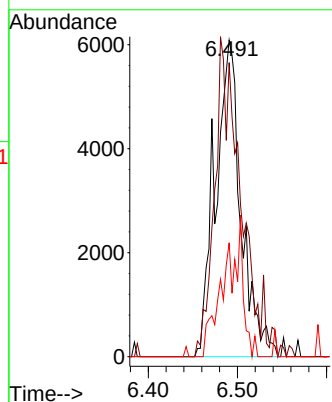
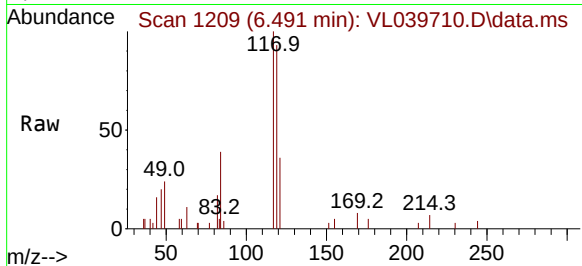




#35
Carbon Tetrachloride
Concen: 0.088 ppbv m
RT: 6.491 min Scan# 1171
Delta R.T. -0.009 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

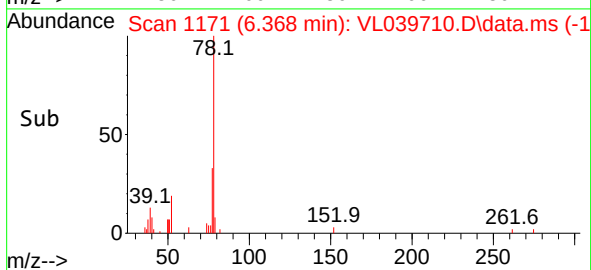
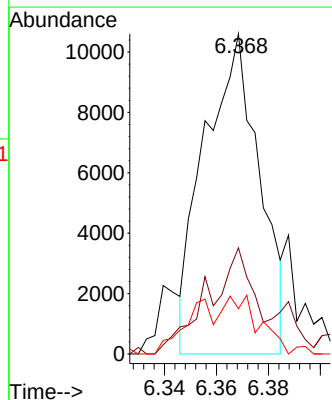
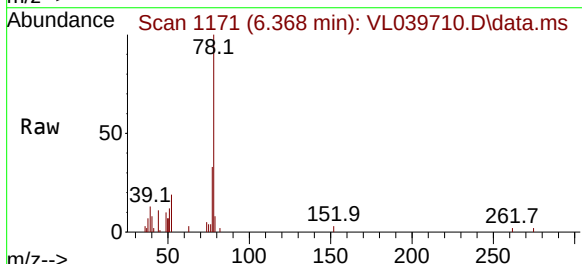
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

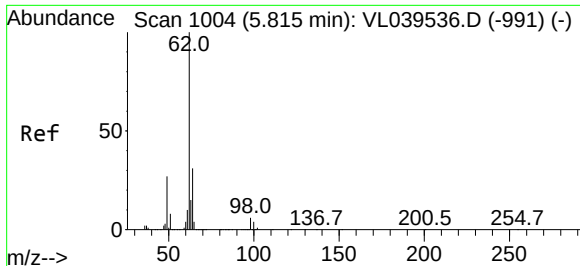
Tgt Ion:	117	Resp:	12184
Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.4	113.2
121	36.0	24.2	36.2



#36
Benzene
Concen: 0.078 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. -0.009 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion:	78	Resp:	15596
Ion	Ratio	Lower	Upper
78	100		
77	30.1	20.3	30.5
50	11.4	15.5	23.3

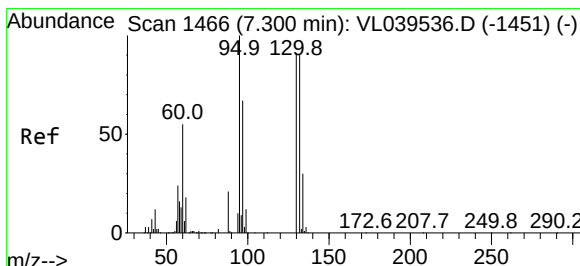
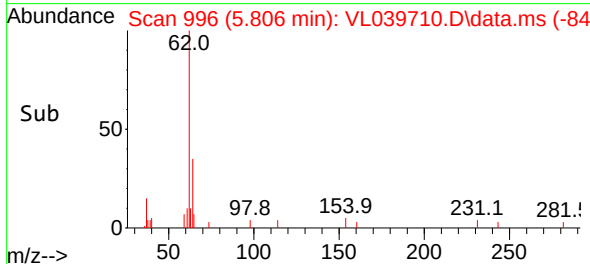
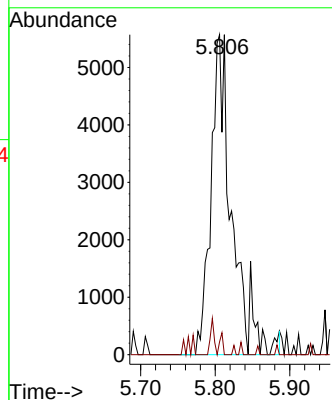
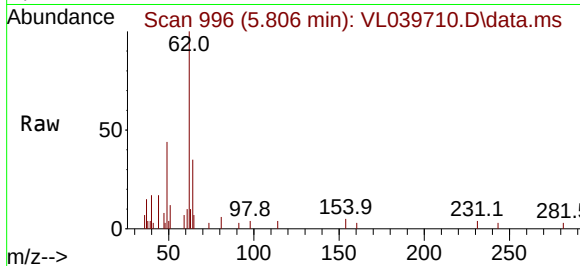




#37
1,2-Dichloroethane
Concen: 0.100 ppbv m
RT: 5.806 min Scan# 91
Delta R.T. -0.009 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

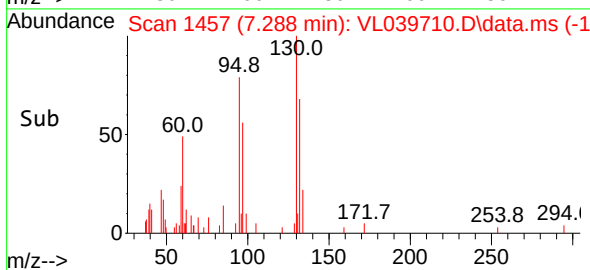
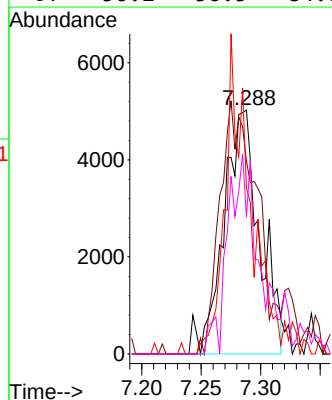
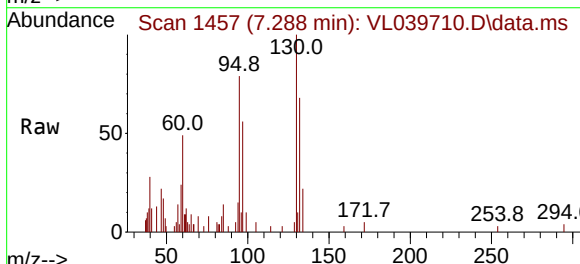
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

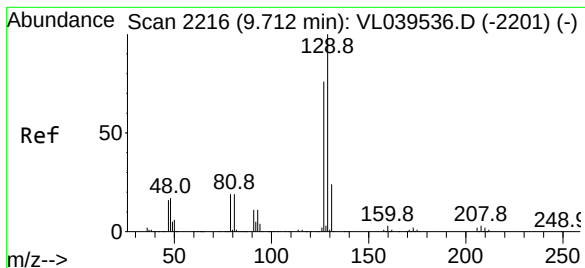
Tgt Ion: 62 Resp: 10855
Ion Ratio Lower Upper
62 100
98 3.0 5.1 7.7#



#38
Trichloroethene
Concen: 0.098 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.012 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion:130 Resp: 10521
Ion Ratio Lower Upper
130 100
95 79.1 87.3 130.9#
132 68.0 76.7 115.1#
97 56.2 56.5 84.7#





#48

Dibromochloromethane

Concen: 0.064 ppbv m

RT: 9.700 min Scan# 21

Delta R.T. -0.012 min

Lab File: VL039710.D

Acq: 11 Oct 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

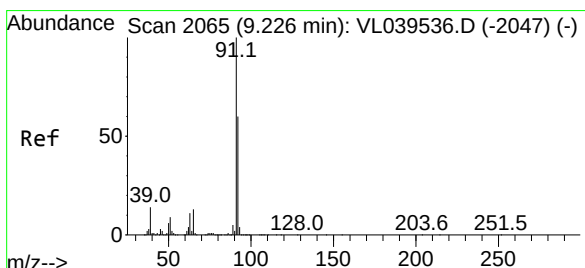
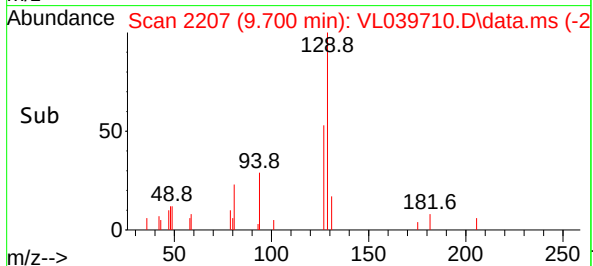
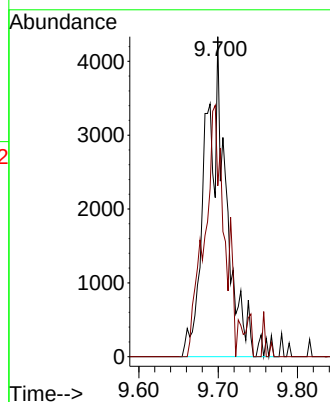
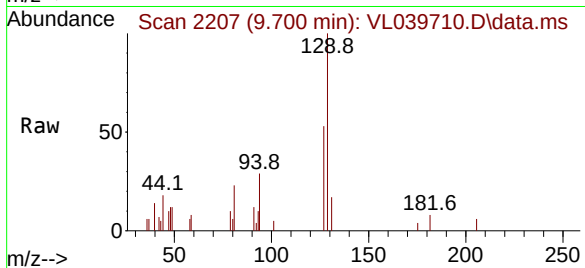
MDL-AIR-03-QT4-2022DL

Tgt Ion:129 Resp: 8041

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.9#



#53

Toluene

Concen: 0.066 ppbv m

RT: 9.204 min Scan# 2053

Delta R.T. -0.022 min

Lab File: VL039710.D

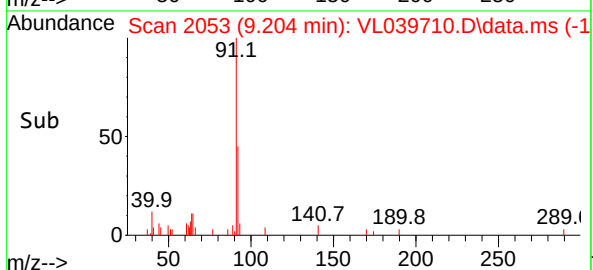
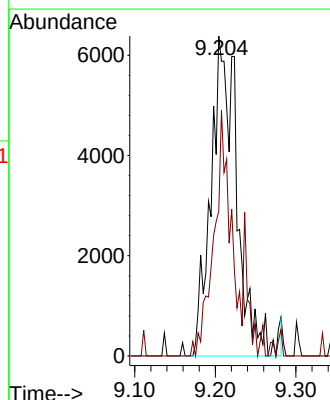
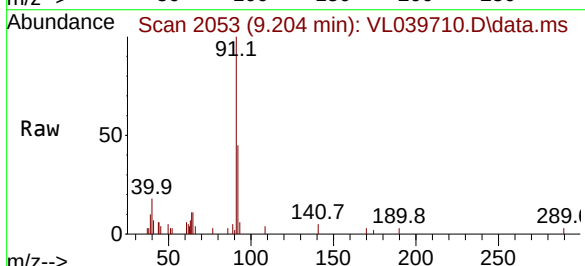
Acq: 11 Oct 2022 00:07

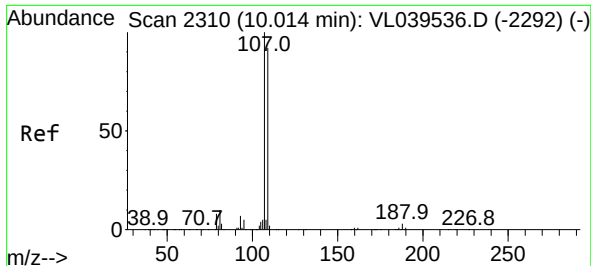
Tgt Ion: 91 Resp: 14527

Ion Ratio Lower Upper

91 100

92 58.1 48.2 72.2

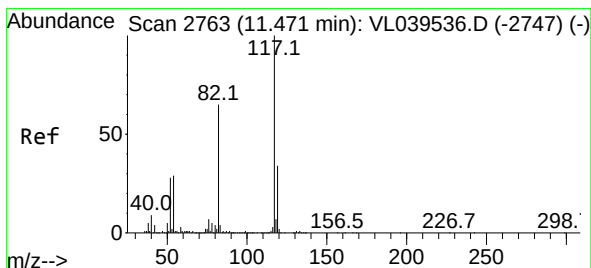
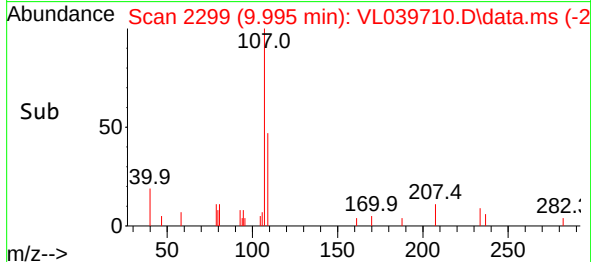
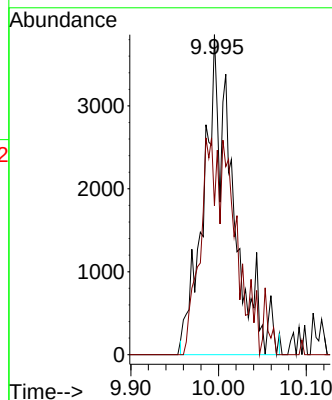
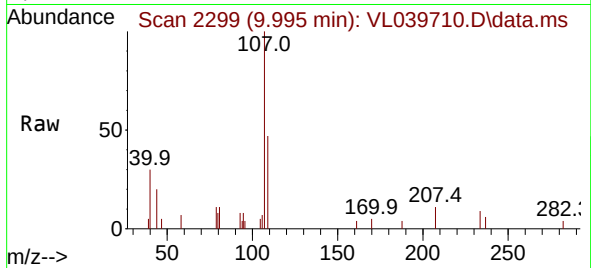




#54
1,2-Dibromoethane
Concen: 0.099 ppbv m
RT: 9.995 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

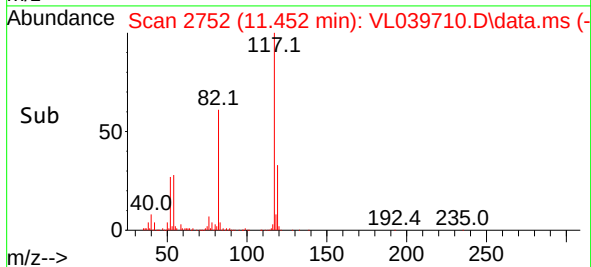
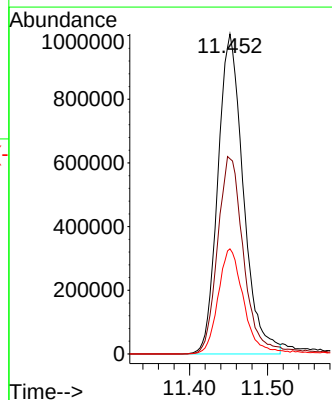
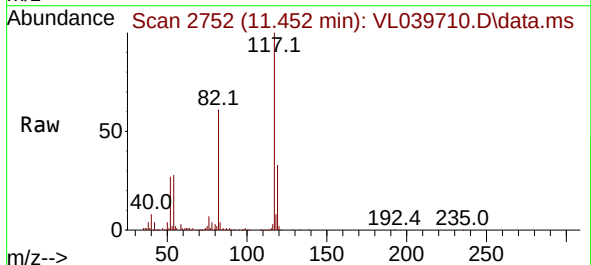
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

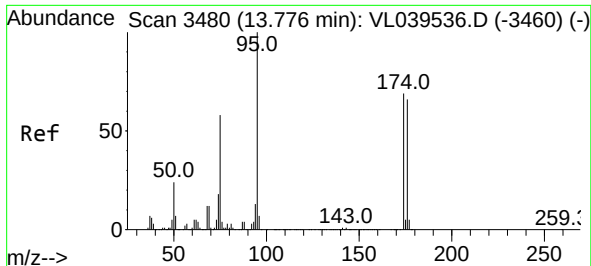
Tgt Ion:107 Resp: 8851
Ion Ratio Lower Upper
107 100
109 46.6 74.8 112.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.019 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion:117 Resp: 2279826
Ion Ratio Lower Upper
117 100
82 65.9 50.8 76.2
119 33.9 24.1 36.1

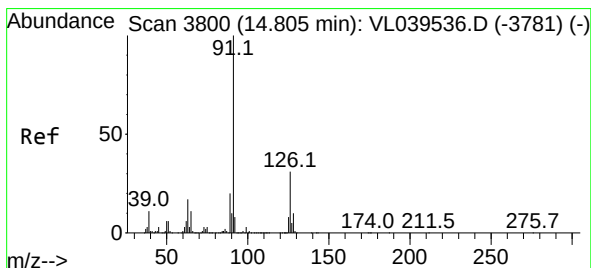
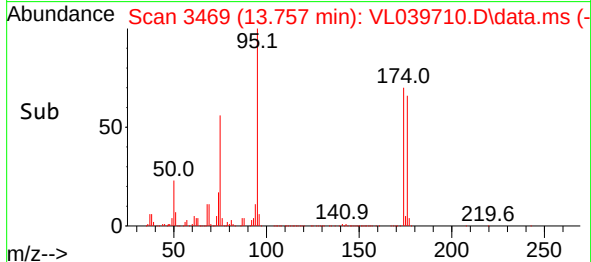
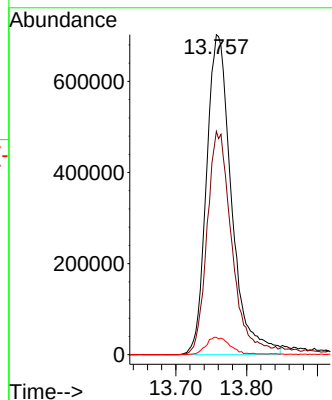
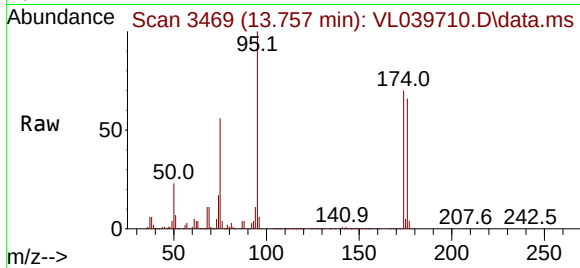




#68
1-Bromo-4-Fluorobenzene
Concen: 10.147 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.019 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

Tgt Ion: 95 Resp: 1726847
Ion Ratio Lower Upper
95 100
174 73.1 55.9 83.9
175 5.5 4.2 6.4



#71
2-Chlorotoluene
Concen: 0.067 ppbv m
RT: 14.789 min Scan# 3790
Delta R.T. -0.016 min
Lab File: VL039710.D
Acq: 11 Oct 2022 00:07

Tgt Ion: 91 Resp: 16195
Ion Ratio Lower Upper
91 100
126 35.8 13.0 51.8

