

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039952.D
 Acq On : 1 Dec 2022 21:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Dec 02 05:35:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

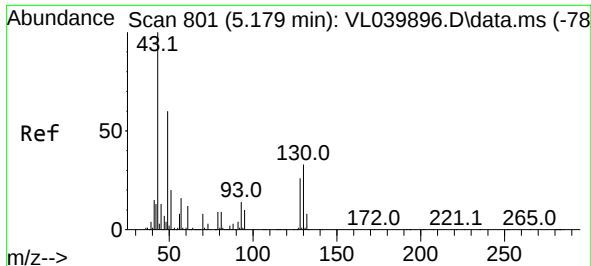
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.160	49	1155356	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.619	114	3217147	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.436	117	2910503	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2292062	10.310	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.829	85	7241	0.044	ppbv	92
3) Chlorodifluoromethane	2.645	51	6604	0.041	ppbv	94
4) Chloromethane	2.784	50	4029	0.040	ppbv #	82
8) Dichlorotetrafluoroethane	2.829	85	7241	0.038	ppbv	84
9) Propene	2.665	41	5641	0.075	ppbv	96
11) Trichlorofluoromethane	3.530	101	6785	0.034	ppbv #	82
13) Ethanol	3.221	45	285	0.050	ppbv #	38
14) Bromoethene	3.333	108	2482	0.042	ppbv #	83
16) 1,3-Butadiene	2.954	39	2676	0.035	ppbv	98
20) Methylene Chloride	3.899	84	6600	0.089	ppbv #	73
24) 1,1-Dichloroethane	4.526	63	5923	0.039	ppbv #	77
31) cis-1,2-Dichloroethene	5.050	61	4081	0.036	ppbv #	65
39) 1,2-Dichloropropane	6.668	63	8444	0.079	ppbv #	18
52) Tetrachloroethene	10.578	164	3571	0.035	ppbv #	50

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

Quant Time: Dec 02 05:35:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
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QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

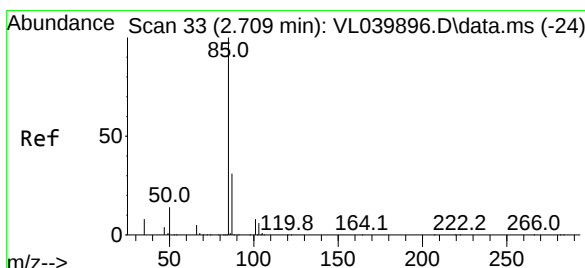
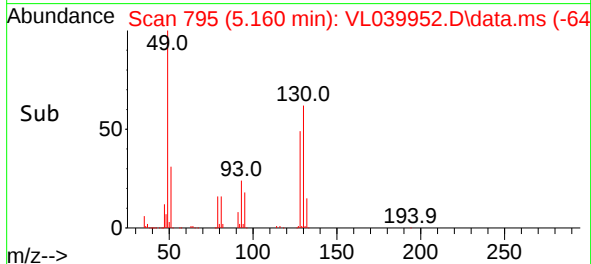
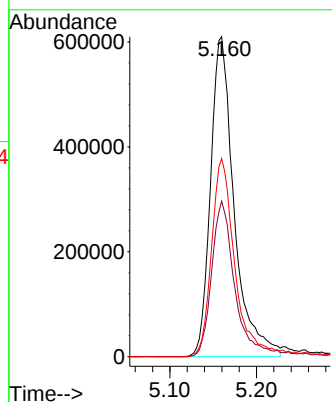
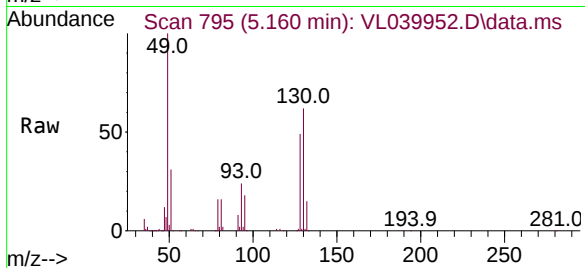




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 70
Delta R.T. -0.013 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

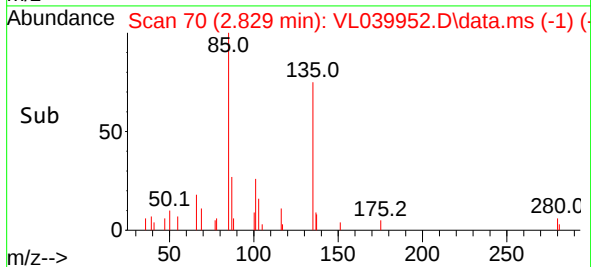
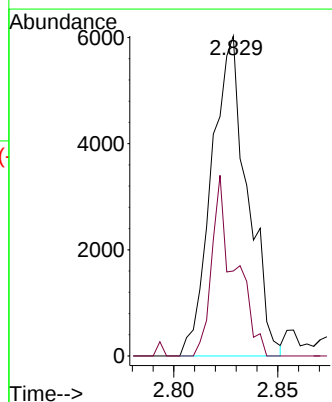
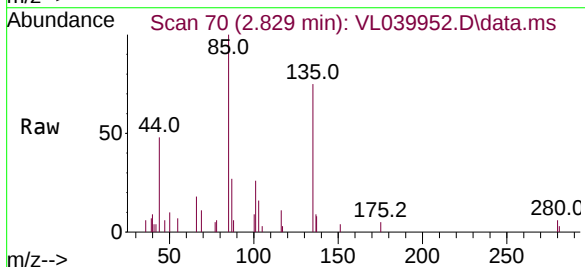
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

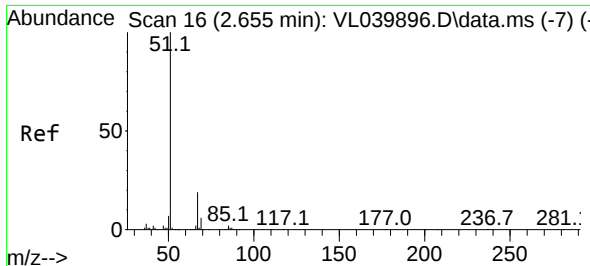
Tgt Ion: 49 Resp: 1155356
Ion Ratio Lower Upper
49 100
128 50.3 22.1 66.3
130 63.6 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.119 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

Tgt Ion: 85 Resp: 7241
Ion Ratio Lower Upper
85 100
87 26.5 25.0 37.4

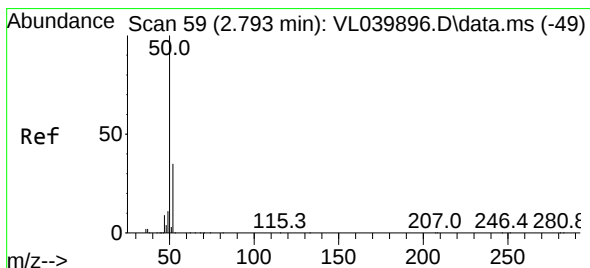
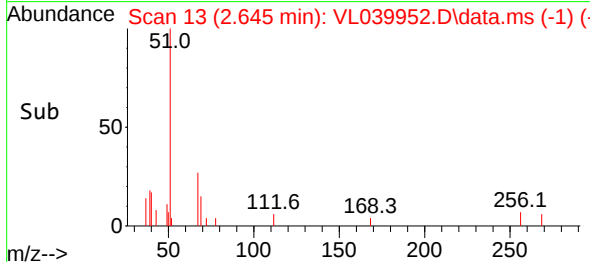
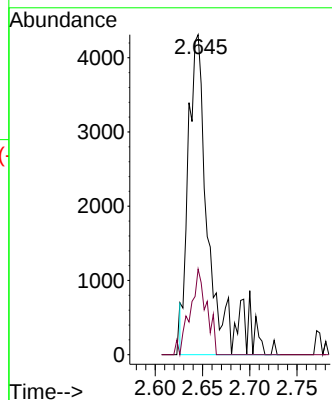
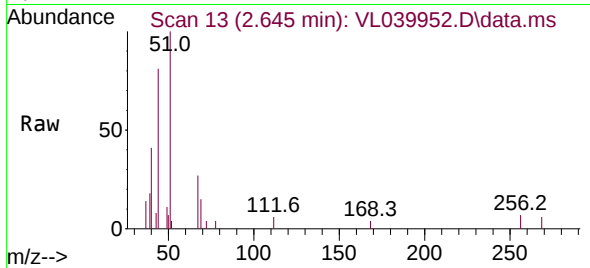




#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.645 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

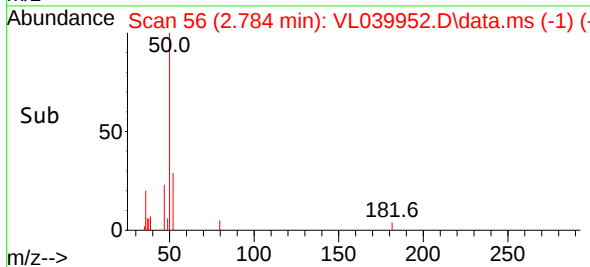
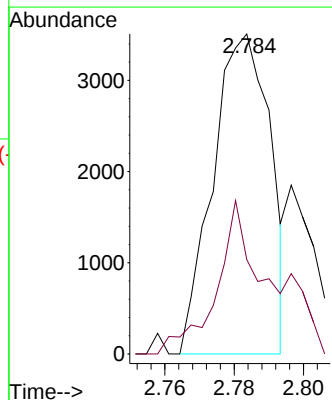
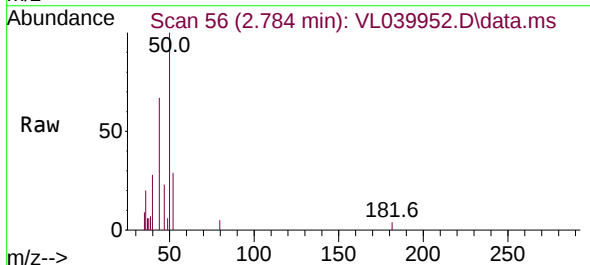
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

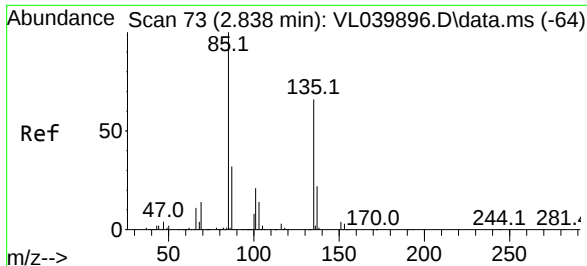
Tgt Ion: 51 Resp: 6604
Ion Ratio Lower Upper
51 100
67 20.6 14.2 21.4



#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.784 min Scan# 56
Delta R.T. -0.006 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

Tgt Ion: 50 Resp: 4029
Ion Ratio Lower Upper
50 100
52 24.2 27.8 41.8#

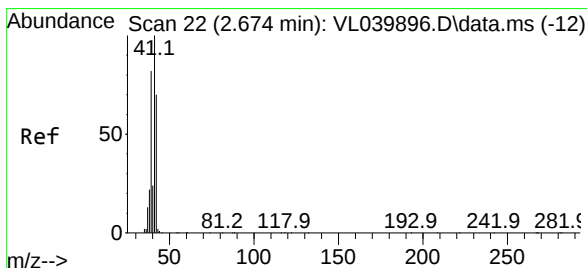
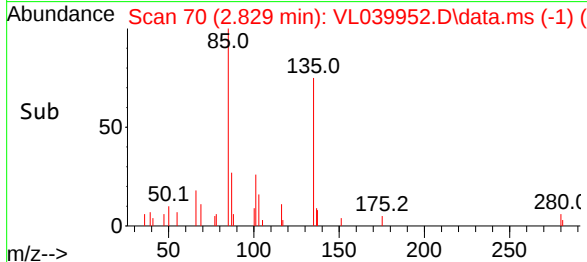
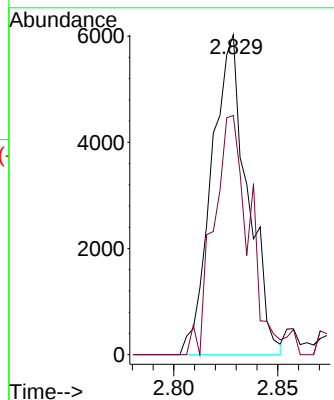
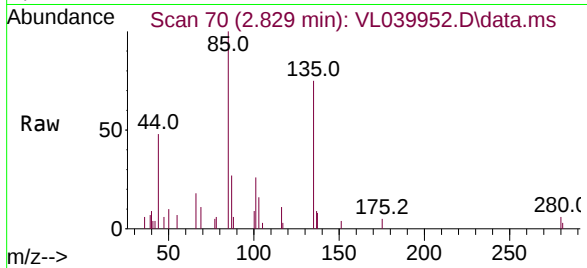




#8
 Dichlorotetrafluoroethane
 Concen: 0.038 ppbv
 RT: 2.829 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VL039952.D
 Acq: 1 Dec 2022 21:36

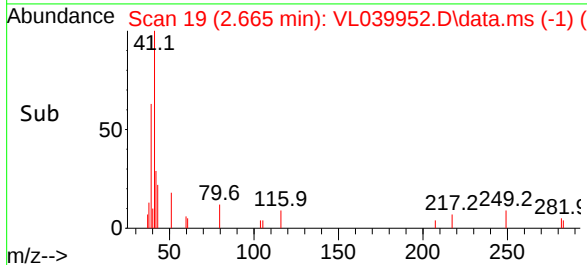
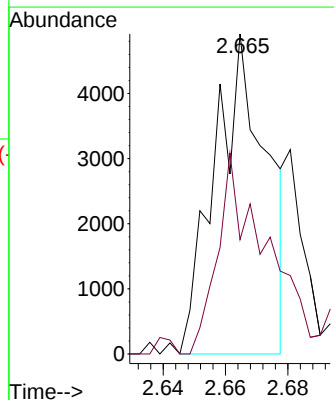
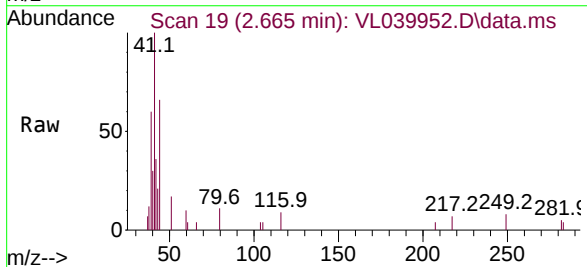
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

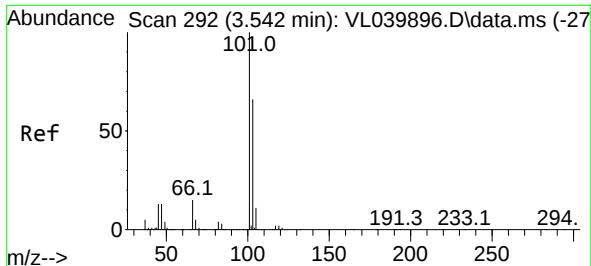
Tgt Ion: 85 Resp: 7241
 Ion Ratio Lower Upper
 85 100
 135 80.4 54.1 81.1



#9
 Propene
 Concen: 0.075 ppbv
 RT: 2.665 min Scan# 19
 Delta R.T. -0.006 min
 Lab File: VL039952.D
 Acq: 1 Dec 2022 21:36

Tgt Ion: 41 Resp: 5641
 Ion Ratio Lower Upper
 41 100
 42 66.7 55.8 83.6

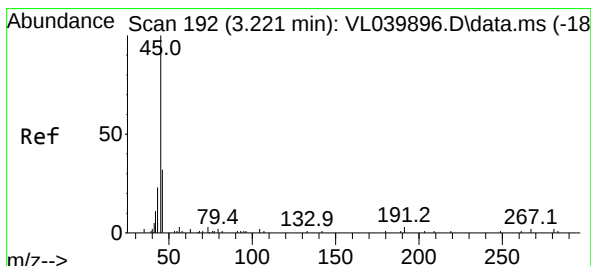
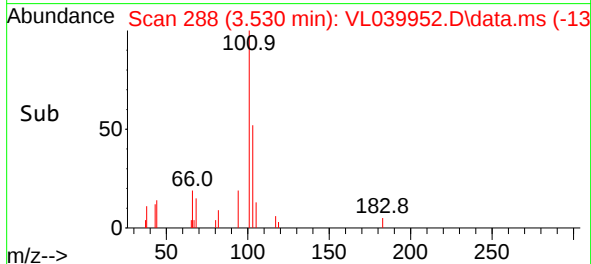
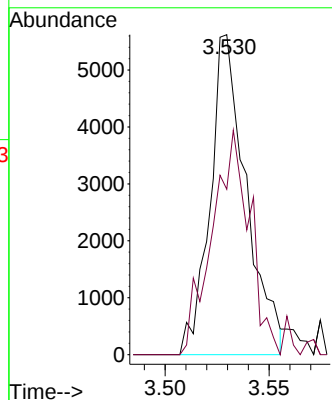
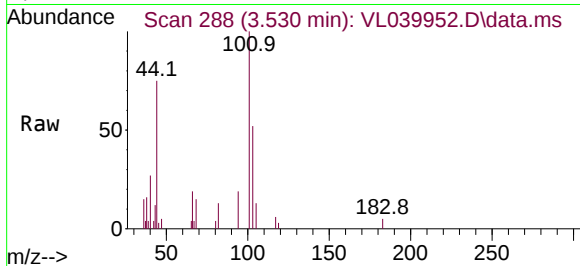




#11
 Trichlorofluoromethane
 Concen: 0.034 ppbv
 RT: 3.530 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VL039952.D
 Acq: 1 Dec 2022 21:36

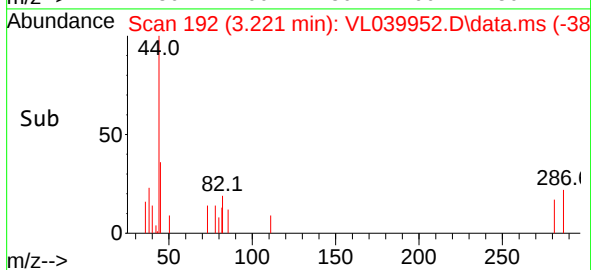
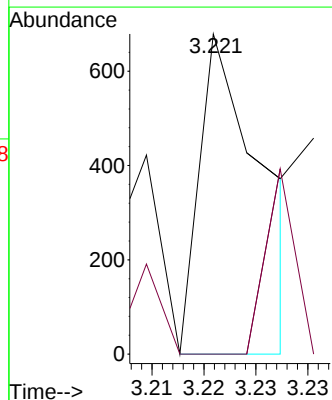
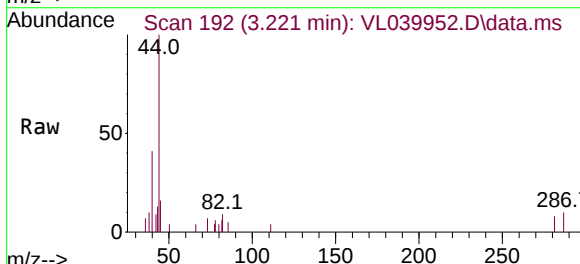
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 ClientSampleId :
 VIBLK

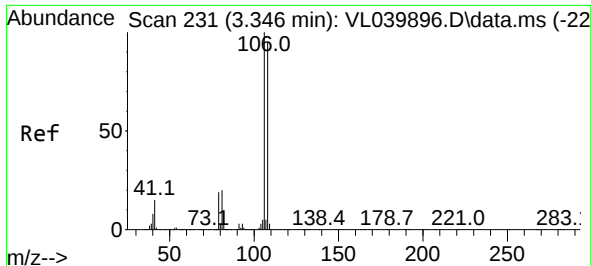
Tgt Ion:101 Resp: 6785
 Ion Ratio Lower Upper
 101 100
 103 51.7 52.6 78.8#



#13
 Ethanol
 Concen: 0.050 ppbv
 RT: 3.221 min Scan# 192
 Delta R.T. -0.006 min
 Lab File: VL039952.D
 Acq: 1 Dec 2022 21:36

Tgt Ion: 45 Resp: 285
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.6 58.2#

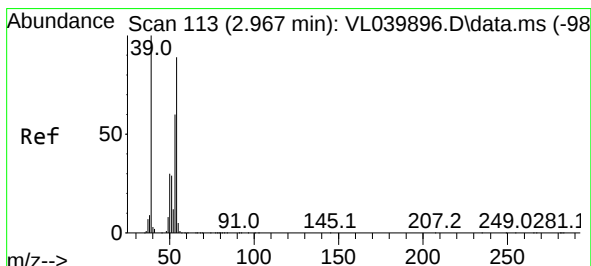
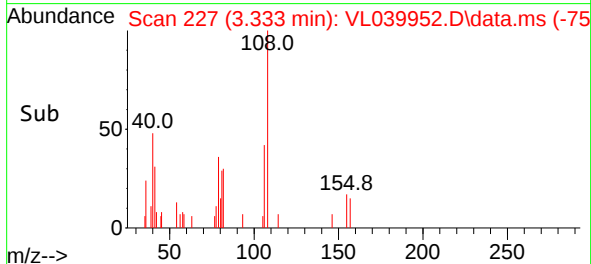
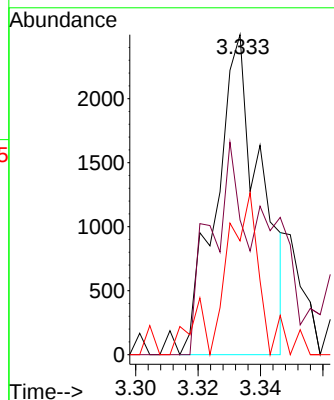
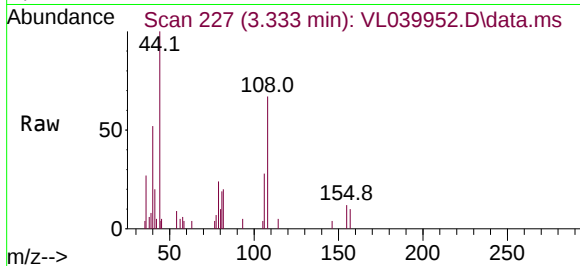




#14
Bromoethene
Concen: 0.042 ppbv
RT: 3.333 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

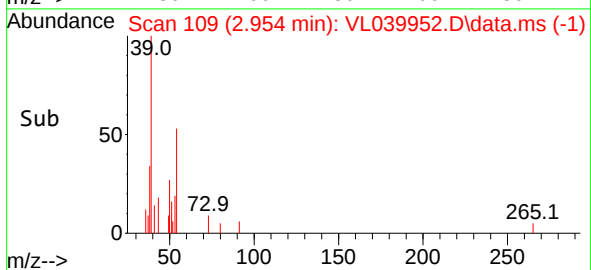
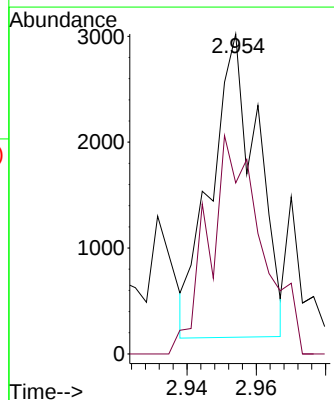
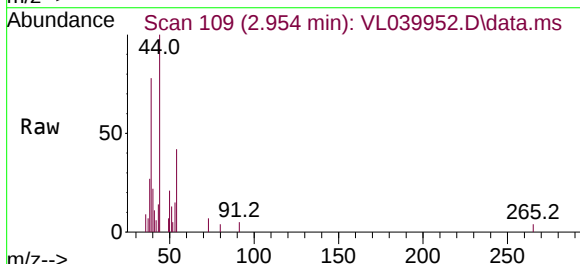
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

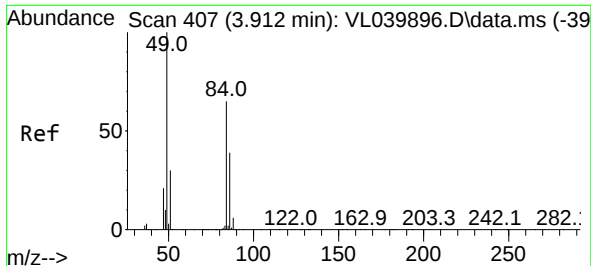
Tgt Ion:108 Resp: 2482
Ion Ratio Lower Upper
108 100
106 98.3 87.3 130.9
79 44.1 15.9 23.9#



#16
1,3-Butadiene
Concen: 0.035 ppbv
RT: 2.954 min Scan# 109
Delta R.T. -0.010 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

Tgt Ion: 39 Resp: 2676
Ion Ratio Lower Upper
39 100
54 81.3 66.6 99.8





#20

Methylene Chloride

Concen: 0.089 ppbv

RT: 3.899 min Scan# 407

Delta R.T. -0.013 min

Lab File: VL039952.D

Acq: 1 Dec 2022 21:36

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 6600

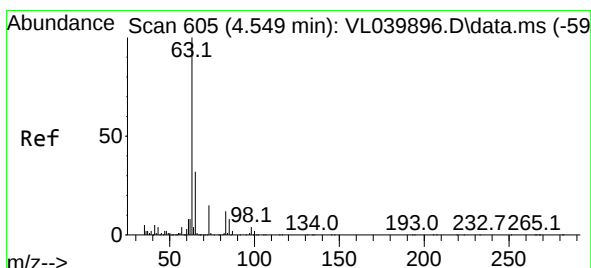
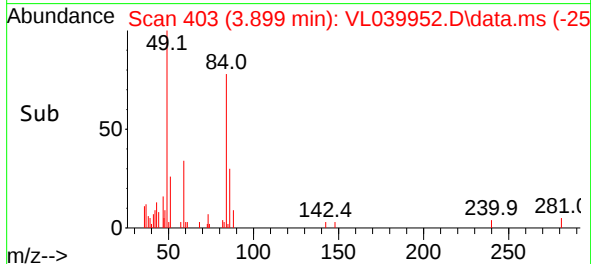
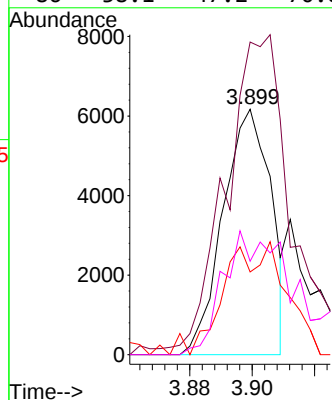
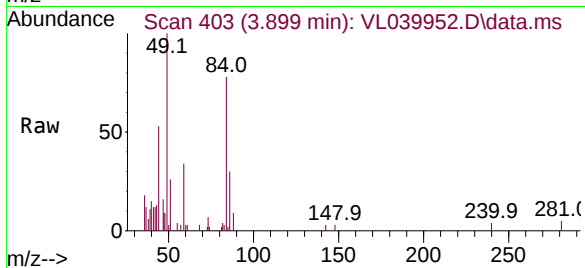
Ion Ratio Lower Upper

84 100

49 120.3 122.2 183.4#

51 25.1 36.3 54.5#

86 38.1 47.2 70.8#



#24

1,1-Dichloroethane

Concen: 0.039 ppbv

RT: 4.526 min Scan# 598

Delta R.T. -0.016 min

Lab File: VL039952.D

Acq: 1 Dec 2022 21:36

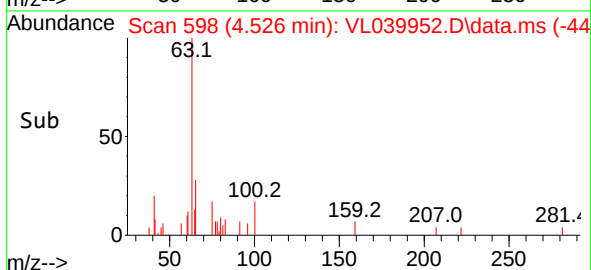
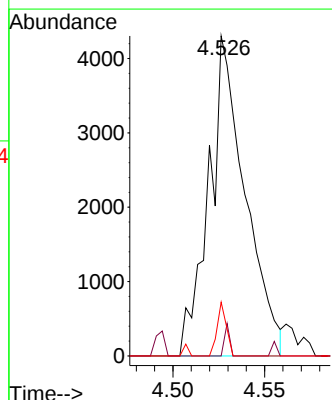
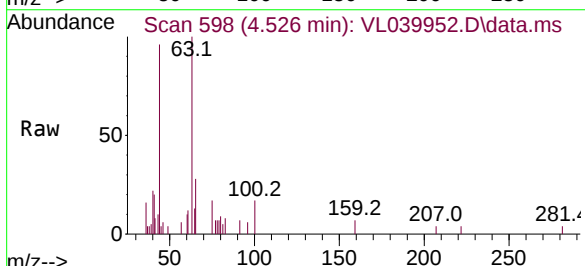
Tgt Ion: 63 Resp: 5923

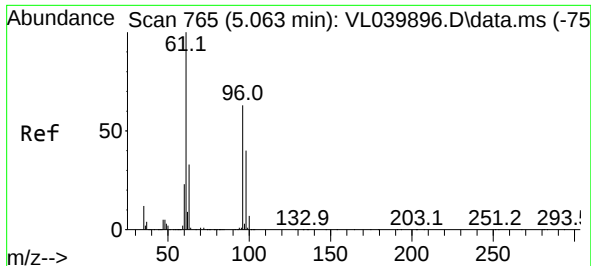
Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

100 16.8 1.1 3.5#

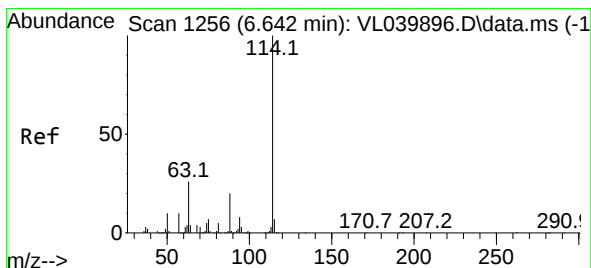
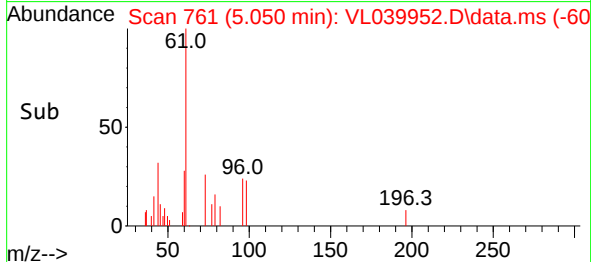
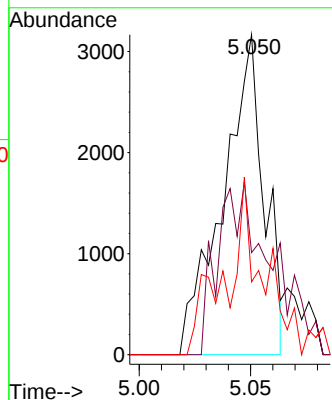
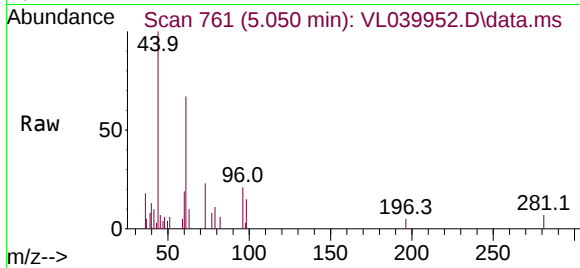




#31
 cis-1,2-Dichloroethene
 Concen: 0.036 ppbv
 RT: 5.050 min Scan# 761
 Delta R.T. -0.006 min
 Lab File: VL039952.D
 Acq: 1 Dec 2022 21:36

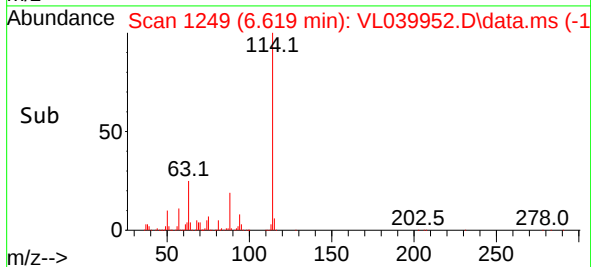
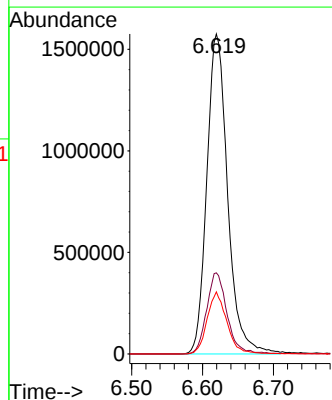
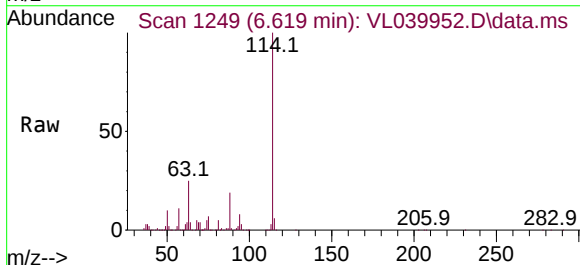
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

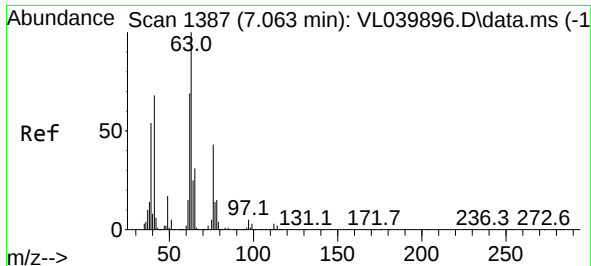
Tgt Ion: 61 Resp: 4081
 Ion Ratio Lower Upper
 61 100
 96 31.9 50.3 75.5#
 98 22.7 32.2 48.2#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.619 min Scan# 1249
 Delta R.T. -0.016 min
 Lab File: VL039952.D
 Acq: 1 Dec 2022 21:36

Tgt Ion: 114 Resp: 3217147
 Ion Ratio Lower Upper
 114 100
 63 25.0 21.4 32.0
 88 18.4 15.3 22.9





#39

1,2-Dichloropropane

Concen: 0.079 ppbv

RT: 6.668 min Scan# 1

Delta R.T. -0.389 min

Lab File: VL039952.D

Acq: 1 Dec 2022 21:36

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

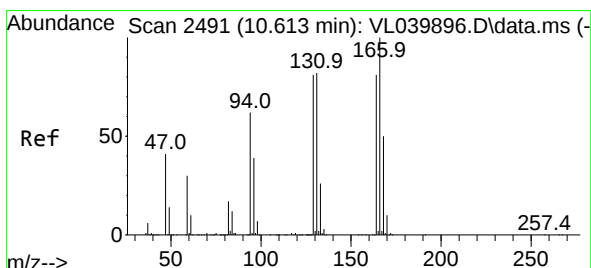
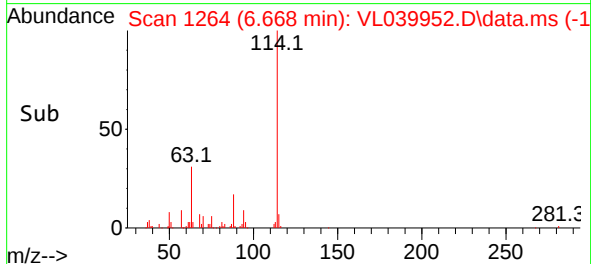
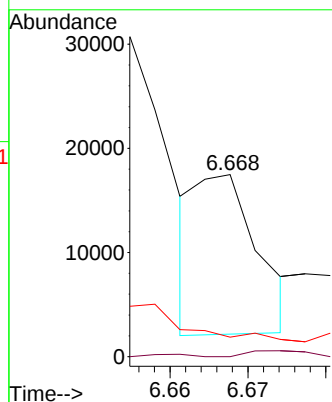
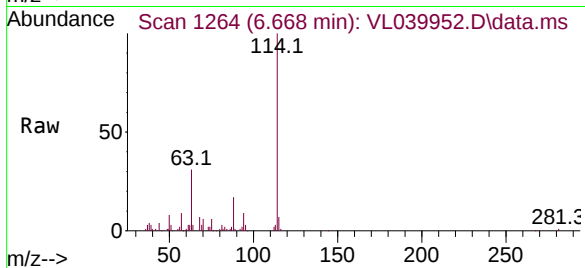
Tgt Ion: 63 Resp: 8444

Ion Ratio Lower Upper

63 100

41 2.1 54.7 82.1#

62 2.3 55.0 82.6#



#52

Tetrachloroethene

Concen: 0.035 ppbv

RT: 10.578 min Scan# 2480

Delta R.T. -0.026 min

Lab File: VL039952.D

Acq: 1 Dec 2022 21:36

Tgt Ion:164 Resp: 3571

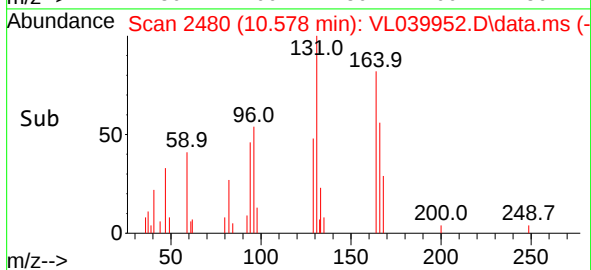
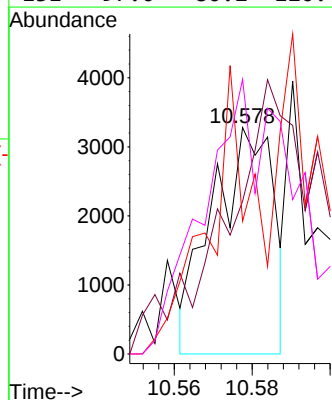
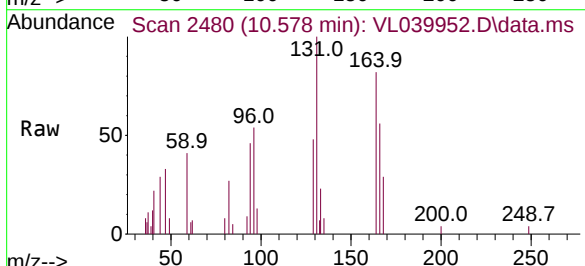
Ion Ratio Lower Upper

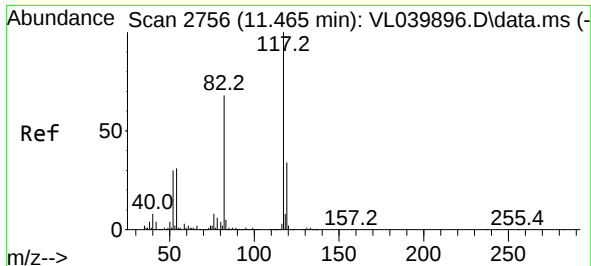
164 100

166 39.8 98.3 147.5#

129 33.4 79.7 119.5#

131 97.0 80.2 120.4

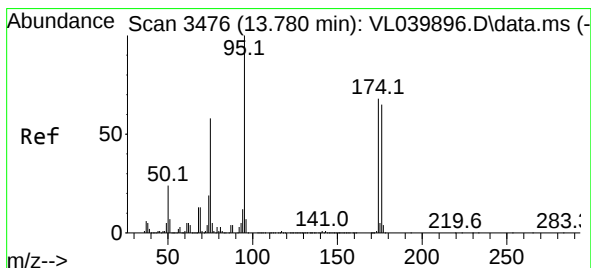
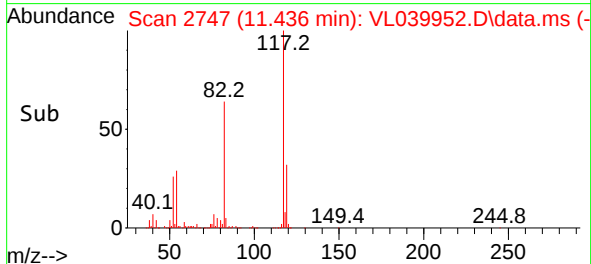
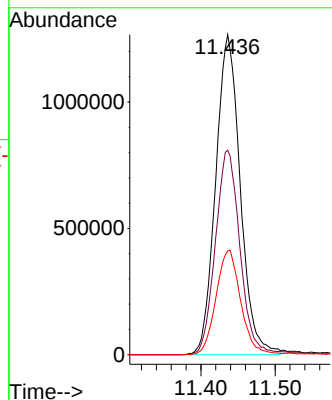
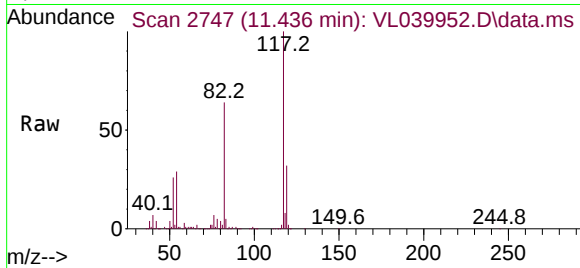




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2910503
Ion Ratio Lower Upper
117 100
82 64.6 52.3 78.5
119 33.4 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.310 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. -0.016 min
Lab File: VL039952.D
Acq: 1 Dec 2022 21:36

Tgt Ion: 95 Resp: 2292062
Ion Ratio Lower Upper
95 100
174 67.6 53.7 80.5
175 4.9 4.0 6.0

