

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040079.D
 Acq On : 9 Jan 2023 17:12
 Operator : SY/MD
 Sample : 01074-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-110DUP

Quant Time: Jan 09 21:32:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

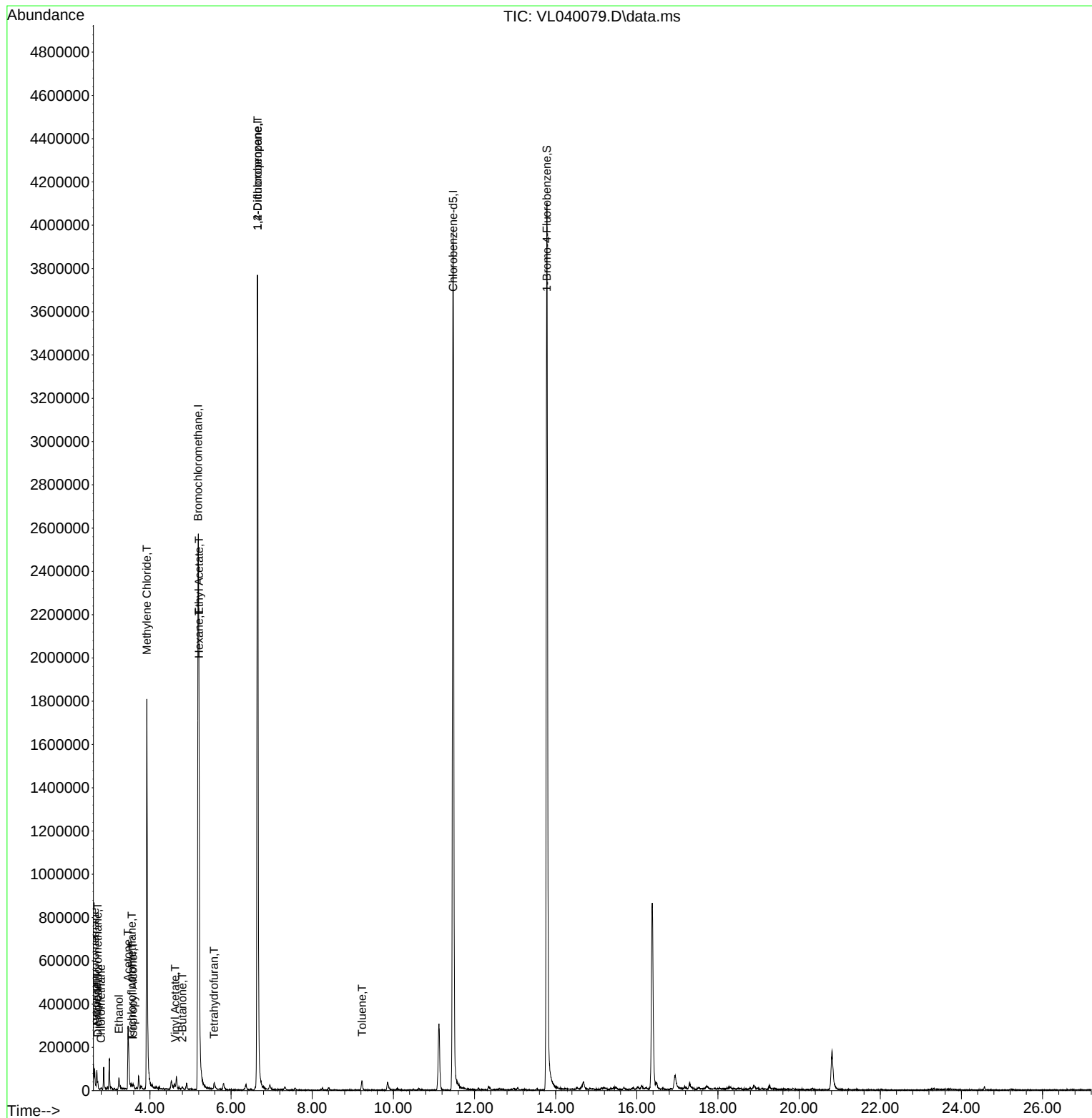
Internal Standards						
1) Bromochloromethane	5.185	49	1093931	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.652	114	2873468	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.471	117	2550626	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2100986	10.783	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	17721	0.087	ppbv	99
3) Chlorodifluoromethane	2.639	51	49671	0.308	ppbv #	67
4) Chloromethane	2.796	50	7033	0.070	ppbv	91
9) Propene	2.690	41	18240	0.266	ppbv	84
11) Trichlorofluoromethane	3.552	101	7115	0.032	ppbv	91
13) Ethanol	3.234	45	52129	8.086	ppbv	81
15) Acetone	3.462	43	325096	1.921	ppbv	100
19) Isopropyl Alcohol	3.584	45	9655	0.116	ppbv #	94
20) Methylene Chloride	3.925	84	630341	8.763	ppbv	95
23) Vinyl Acetate	4.623	43	2583	0.048	ppbv #	81
25) Ethyl Acetate	5.208	43	364921	1.245	ppbv #	76
26) Hexane	5.211	57	547490	4.445	ppbv #	37
34) 2-Butanone	4.800	43	13856	0.089	ppbv #	84
39) 1,2-Dichloropropane	6.652	63	718643	7.471	ppbv #	23
41) Tetrahydrofuran	5.578	42	5311	0.055	ppbv #	35
53) Toluene	9.227	91	30921	0.109	ppbv	100

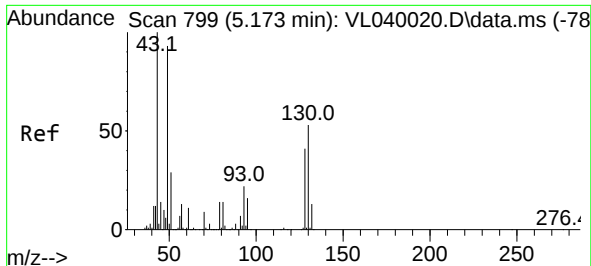
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
Data File : VL040079.D
Acq On : 9 Jan 2023 17:12
Operator : SY/MD
Sample : 01074-01DUP 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

Quant Time: Jan 09 21:32:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

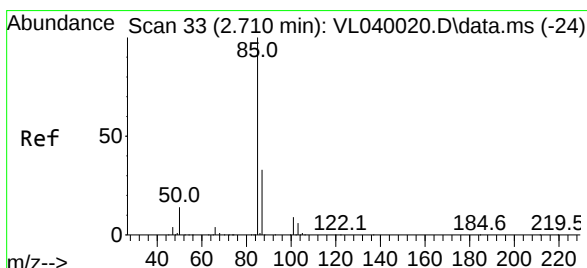
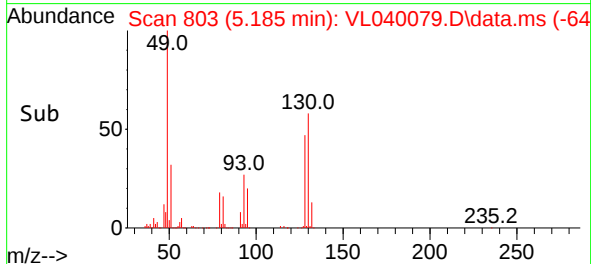
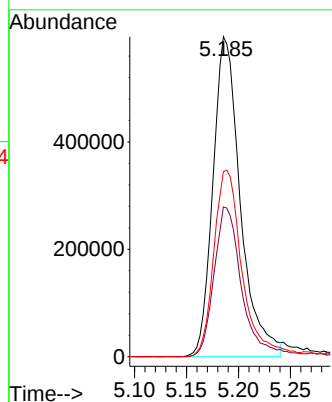
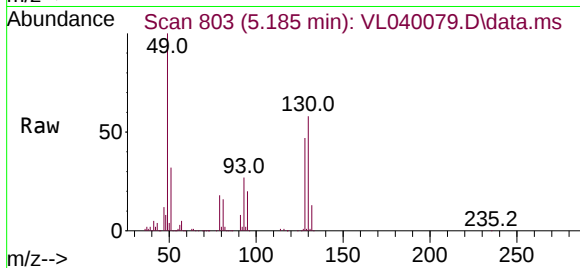




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

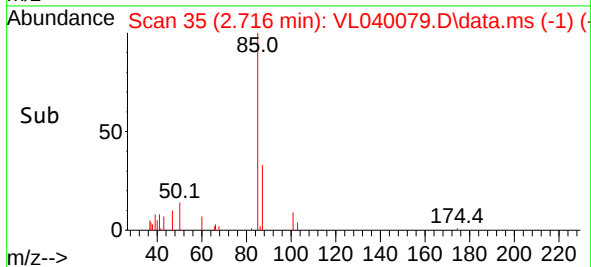
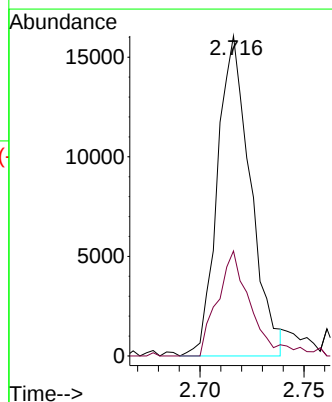
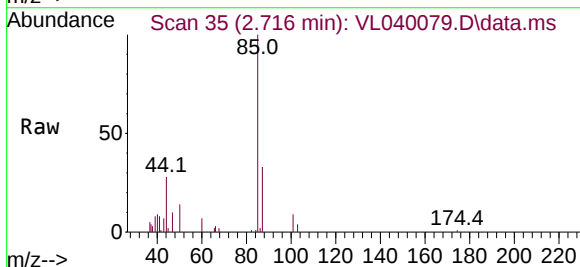
Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

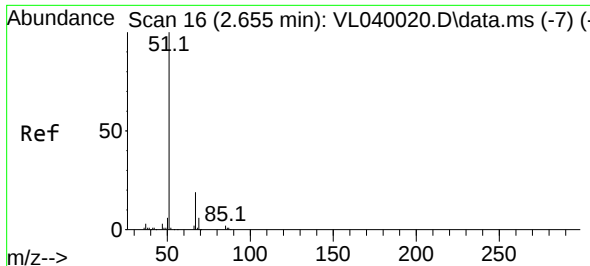
Tgt Ion: 49 Resp: 1093931
Ion Ratio Lower Upper
49 100
128 49.0 22.4 67.3
130 62.5 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.087 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.006 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 85 Resp: 17721
Ion Ratio Lower Upper
85 100
87 32.8 26.6 40.0

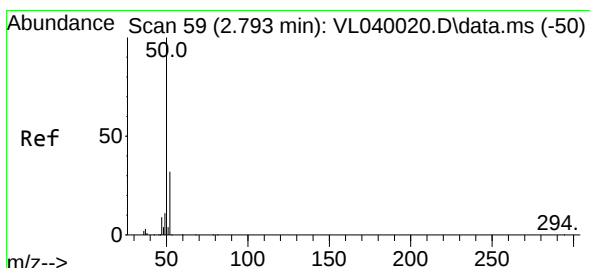
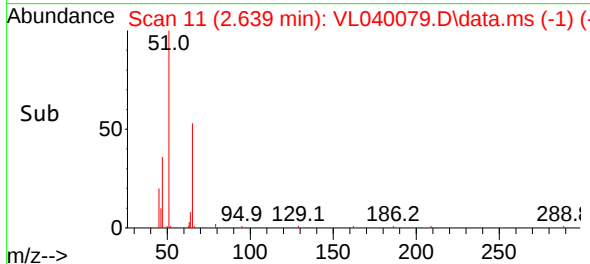
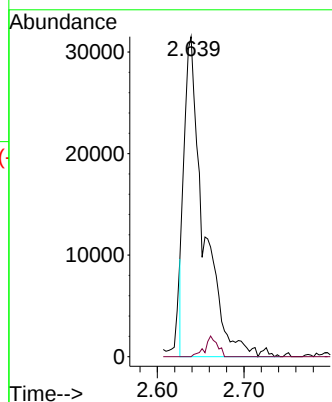
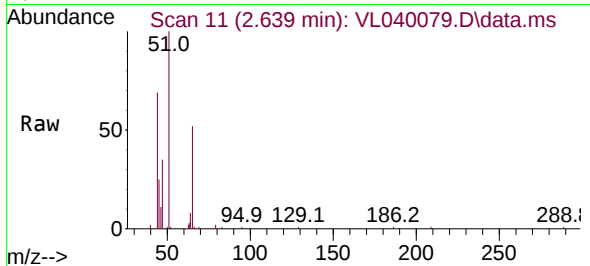




#3
Chlorodifluoromethane
Concen: 0.308 ppbv
RT: 2.639 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

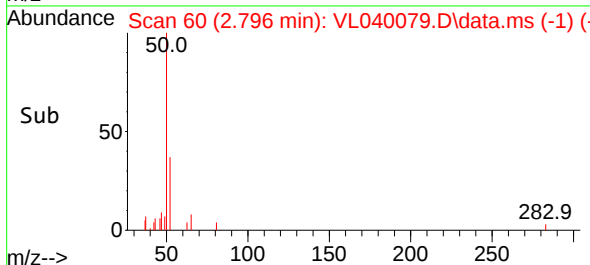
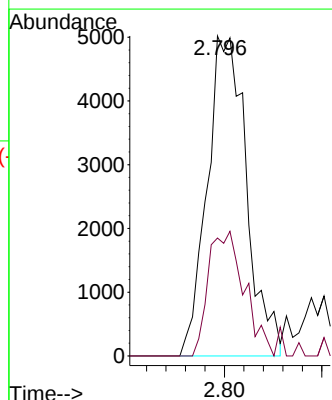
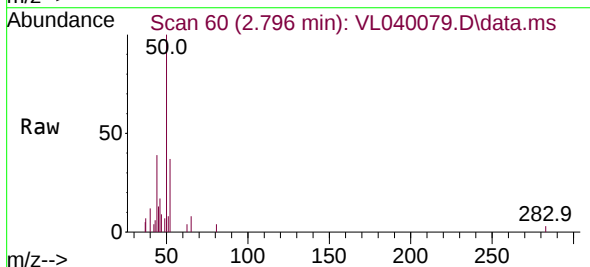
Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

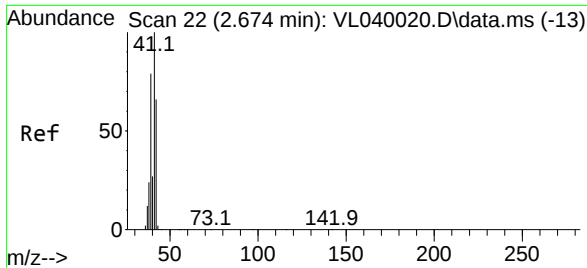
Tgt Ion: 51 Resp: 49671
Ion Ratio Lower Upper
51 100
67 4.0 15.3 22.9#



#4
Chloromethane
Concen: 0.070 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 50 Resp: 7033
Ion Ratio Lower Upper
50 100
52 36.9 25.5 38.3

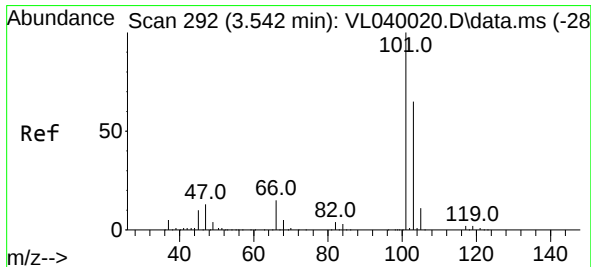
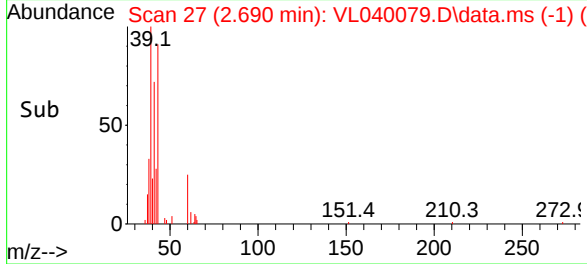
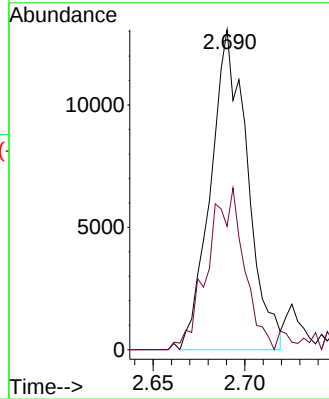
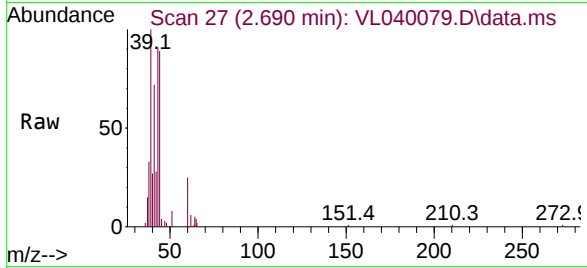




#9
Propene
Concen: 0.266 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

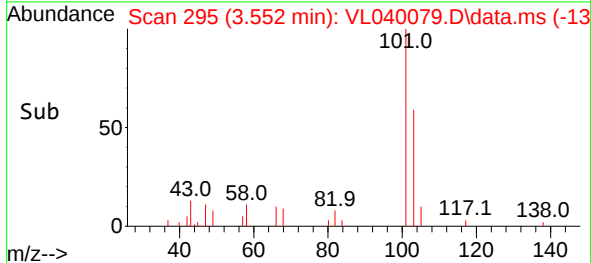
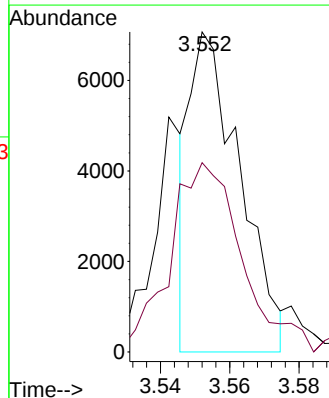
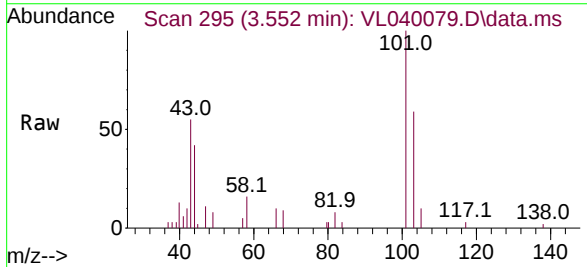
Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

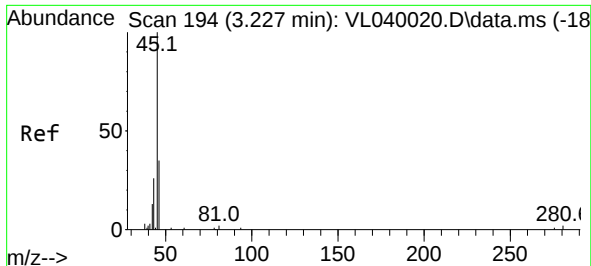
Tgt Ion: 41 Resp: 18240
Ion Ratio Lower Upper
41 100
42 55.7 54.8 82.2



#11
Trichlorofluoromethane
Concen: 0.032 ppbv
RT: 3.552 min Scan# 295
Delta R.T. 0.010 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 101 Resp: 7115
Ion Ratio Lower Upper
101 100
103 57.7 51.7 77.5

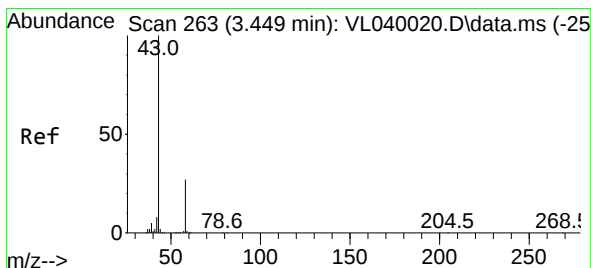
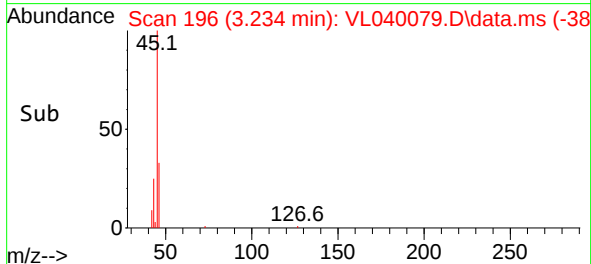
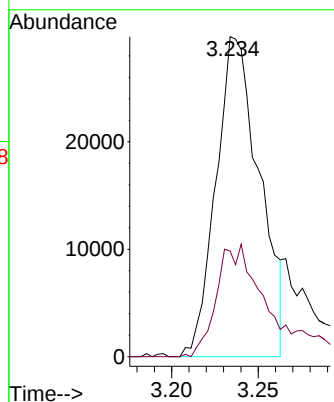
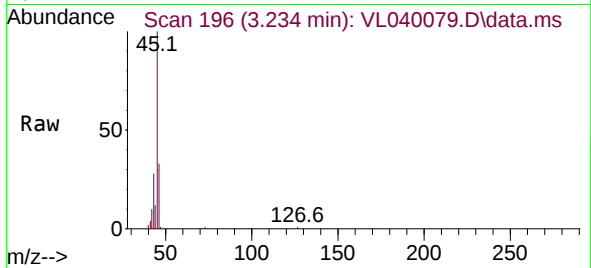




#13
Ethanol
Concen: 8.086 ppbv
RT: 3.234 min Scan# 194
Delta R.T. 0.006 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

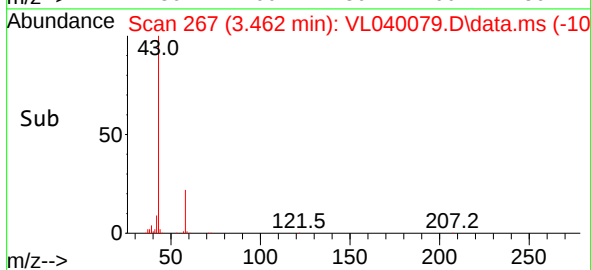
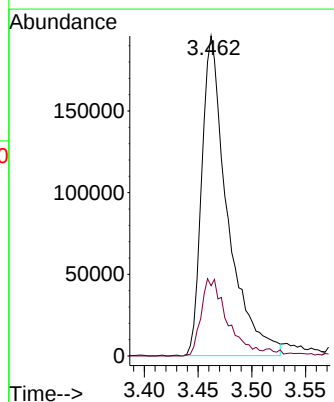
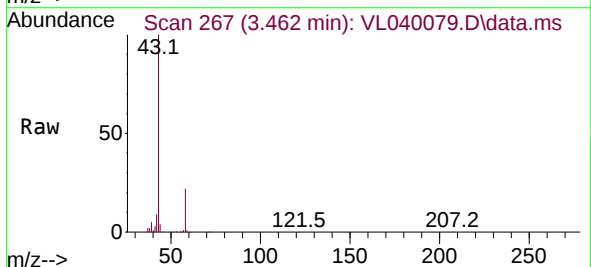
Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

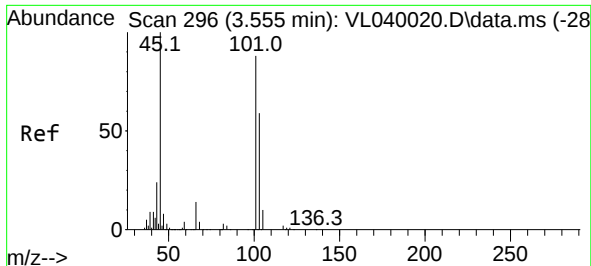
Tgt Ion: 45 Resp: 52129
Ion Ratio Lower Upper
45 100
46 45.0 13.7 54.7



#15
Acetone
Concen: 1.921 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.013 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 43 Resp: 325096
Ion Ratio Lower Upper
43 100
58 27.1 21.8 32.8





#19

Isopropyl Alcohol

Concen: 0.116 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.029 min

Lab File: VL040079.D

Acq: 9 Jan 2023 17:12

Instrument :

MSVOA_L

ClientSampleId :

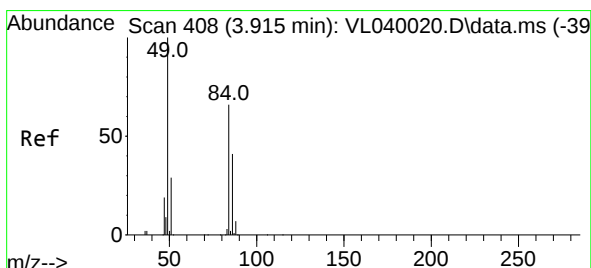
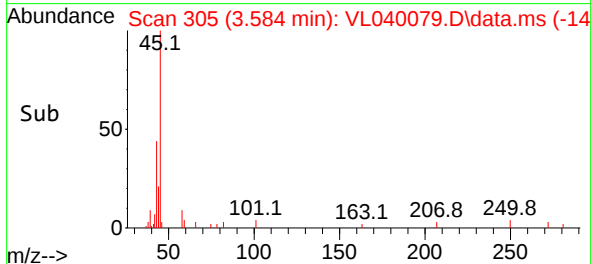
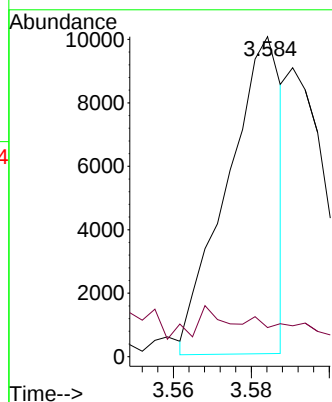
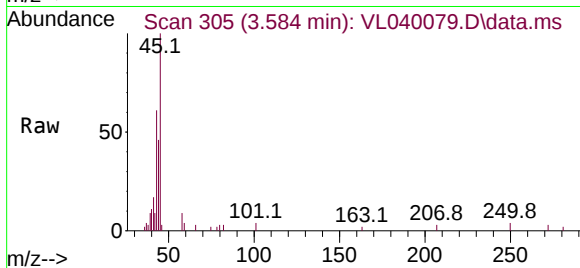
AP-110DUP

Tgt Ion: 45 Resp: 9655

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 8.763 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.010 min

Lab File: VL040079.D

Acq: 9 Jan 2023 17:12

Tgt Ion: 84 Resp: 630341

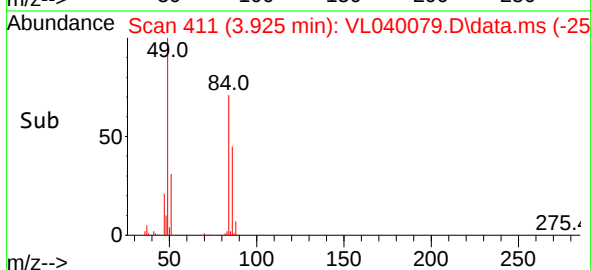
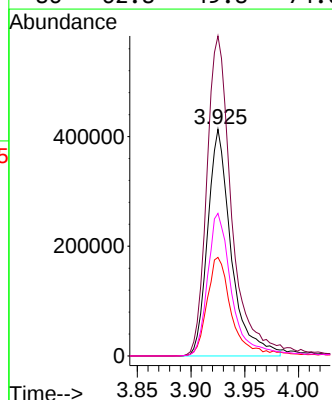
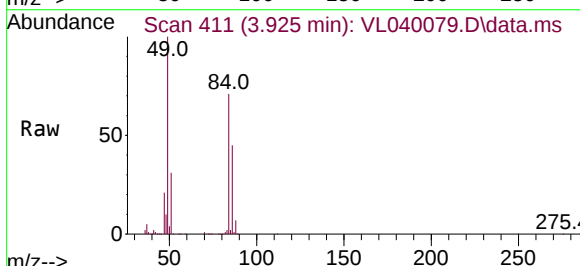
Ion Ratio Lower Upper

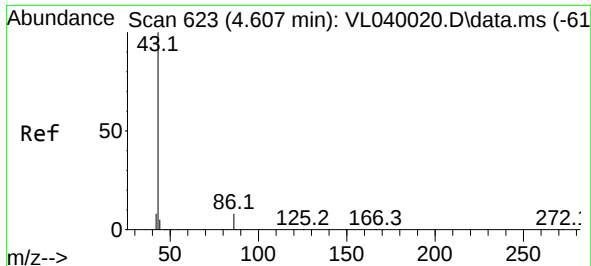
84 100

49 141.1 120.5 180.7

51 43.4 35.2 52.8

86 62.8 49.8 74.6

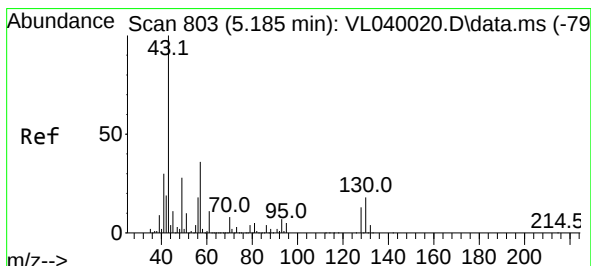
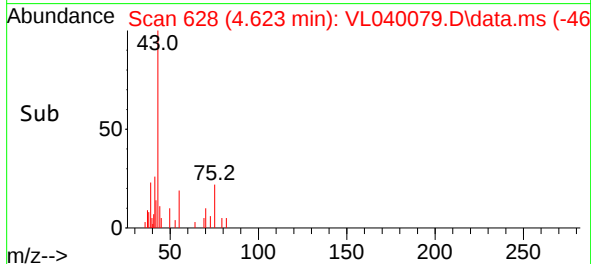
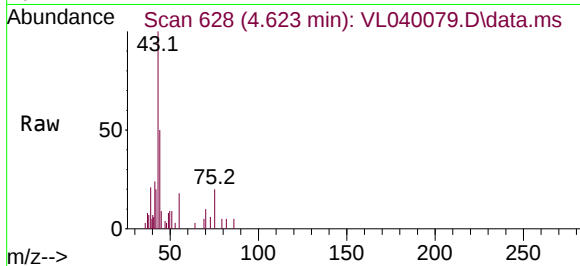




#23
 Vinyl Acetate
 Concen: 0.048 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL040079.D
 Acq: 9 Jan 2023 17:12

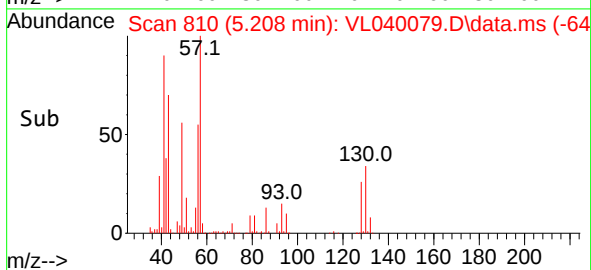
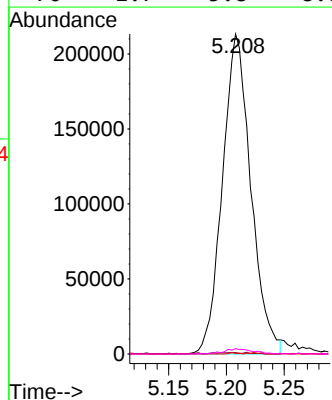
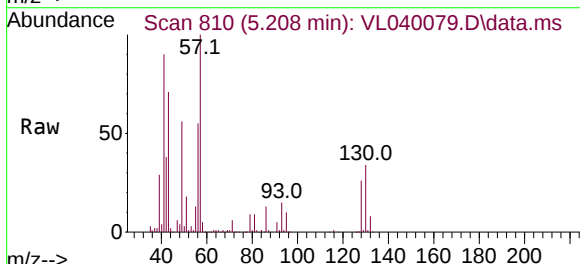
Instrument :
 MSVOA_L
 ClientSampleId :
 AP-110DUP

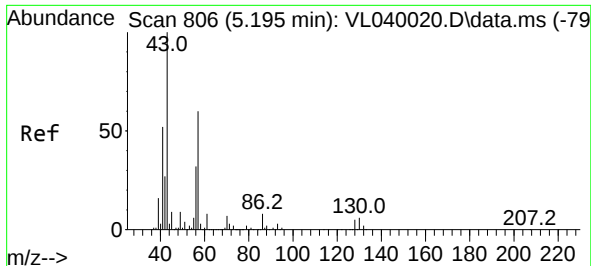
Tgt Ion:	43	Resp:	2583
Ion	Ratio	Lower	Upper
43	100		
86	11.0	5.3	7.9#
42	0.0	7.4	11.0#
44	0.0	3.8	5.6#



#25
 Ethyl Acetate
 Concen: 1.245 ppbv
 RT: 5.208 min Scan# 810
 Delta R.T. 0.023 min
 Lab File: VL040079.D
 Acq: 9 Jan 2023 17:12

Tgt Ion:	43	Resp:	364921
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.6	12.8#
61	0.3	8.5	12.7#
70	1.7	5.8	8.8#

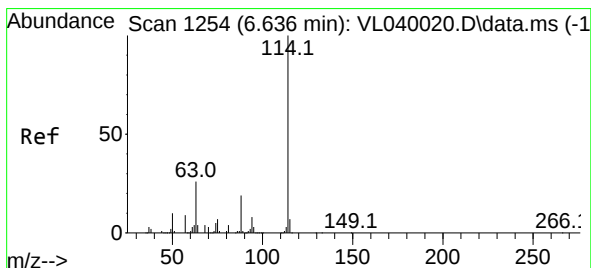
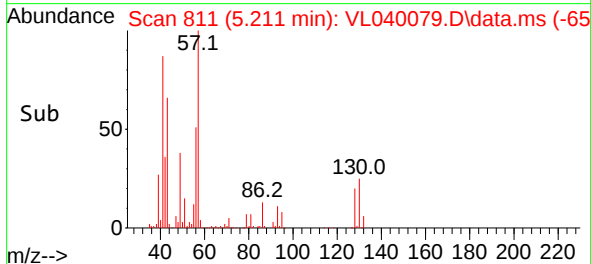
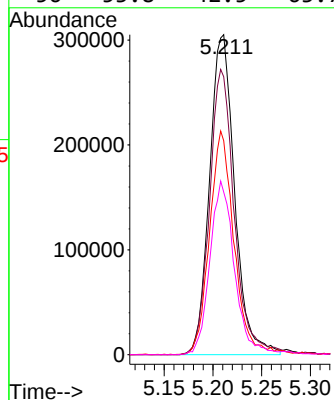
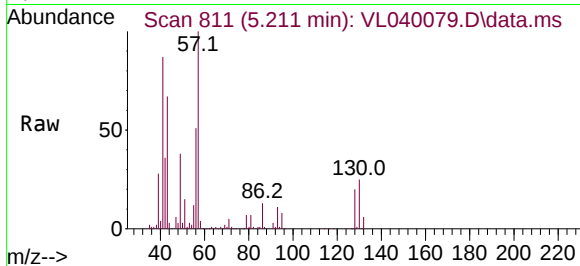




#26
Hexane
Concen: 4.445 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

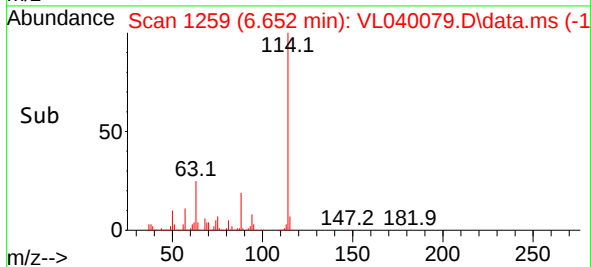
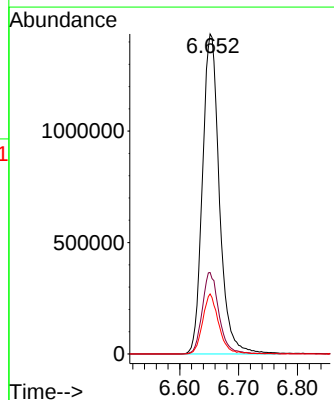
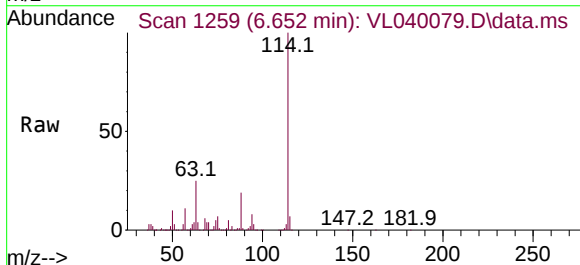
Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

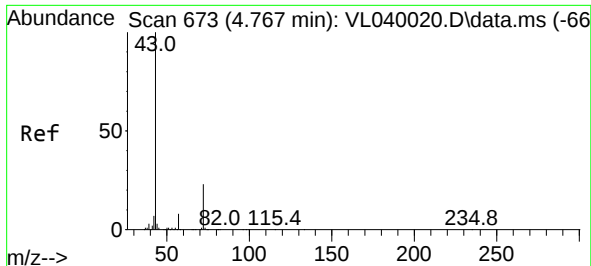
Tgt Ion: 57 Resp: 547490
Ion Ratio Lower Upper
57 100
41 89.0 72.1 108.1
43 69.1 192.1 288.1#
56 53.8 42.5 63.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.016 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 114 Resp: 2873468
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.2
88 17.9 14.6 21.8

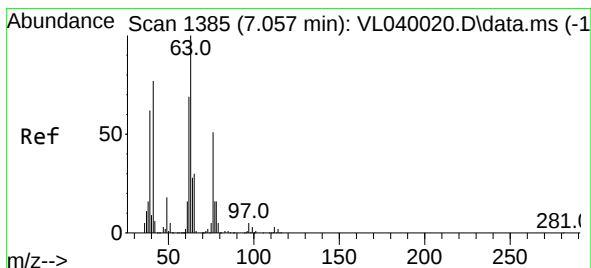
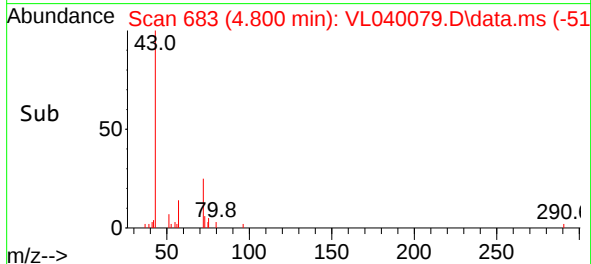
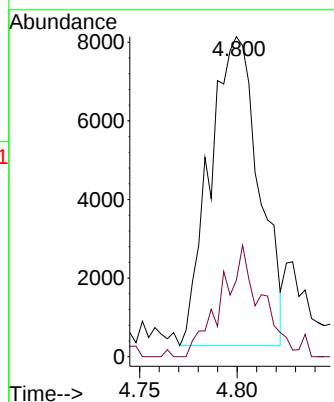
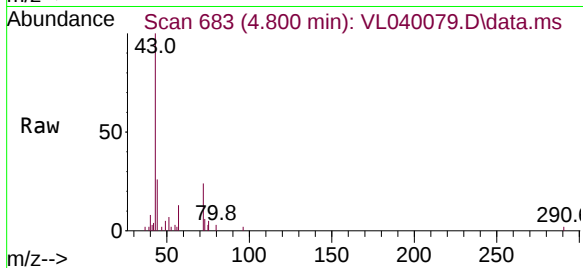




#34
2-Butanone
Concen: 0.089 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.032 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

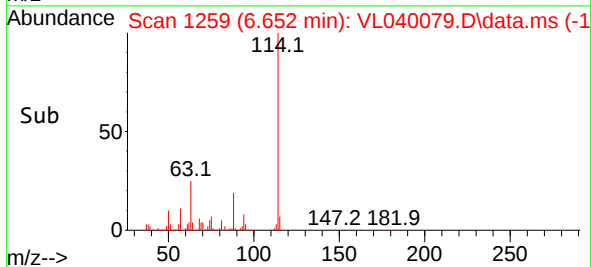
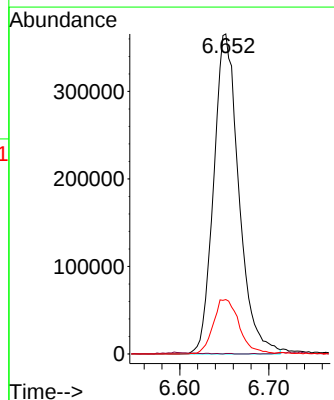
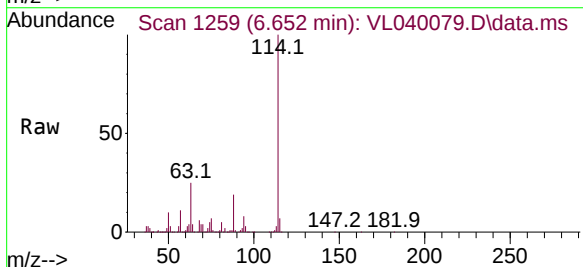
Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

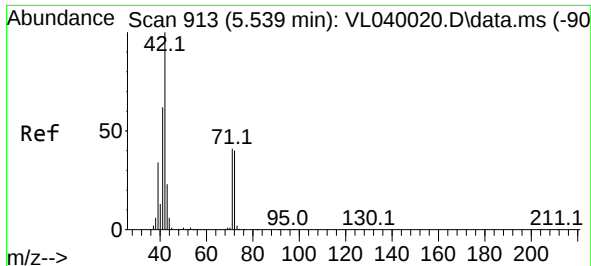
Tgt Ion: 43 Resp: 13856
Ion Ratio Lower Upper
43 100
72 30.1 18.0 27.0#



#39
1,2-Dichloropropane
Concen: 7.471 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.405 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 63 Resp: 718643
Ion Ratio Lower Upper
63 100
41 0.0 61.4 92.0#
62 17.0 55.4 83.2#





#41

Tetrahydrofuran

Concen: 0.055 ppbv

RT: 5.578 min Scan# 91

Delta R.T. 0.039 min

Lab File: VL040079.D

Acq: 9 Jan 2023 17:12

Instrument :

MSVOA_L

ClientSampleId :

AP-110DUP

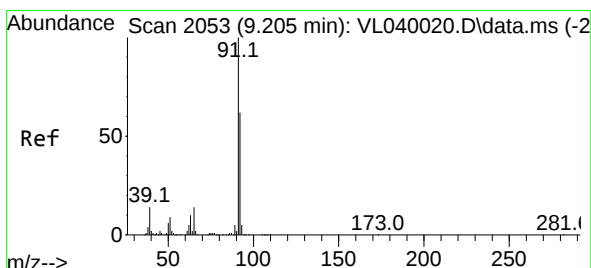
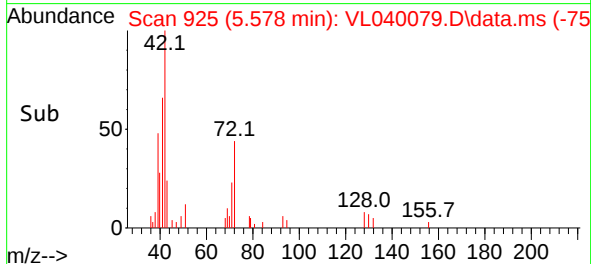
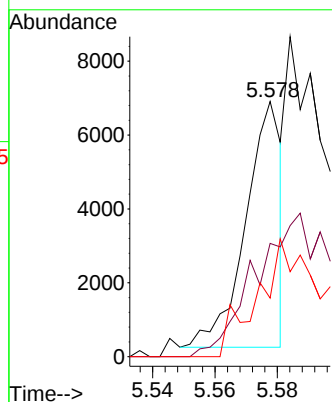
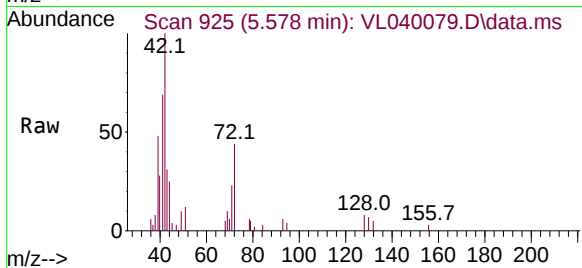
Tgt Ion: 42 Resp: 5311

Ion Ratio Lower Upper

42 100

72 0.0 32.9 49.3#

71 0.0 32.2 48.2#



#53

Toluene

Concen: 0.109 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.023 min

Lab File: VL040079.D

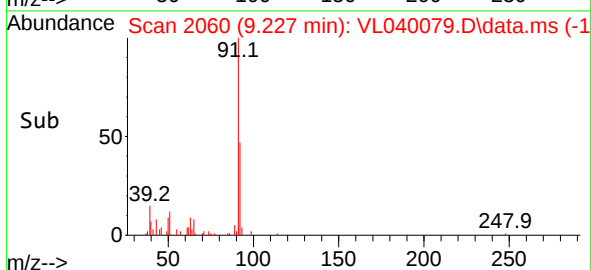
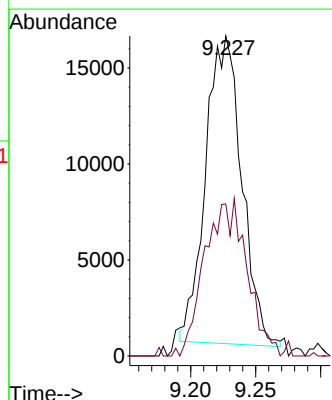
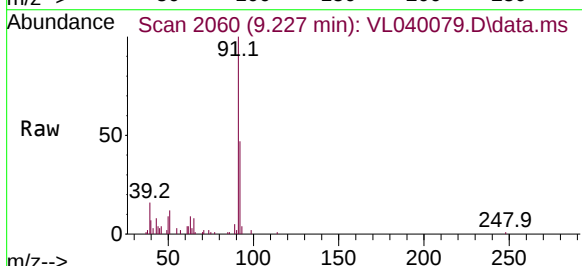
Acq: 9 Jan 2023 17:12

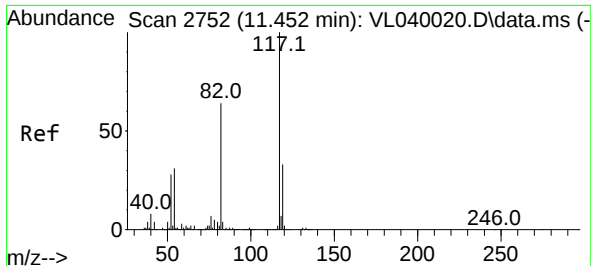
Tgt Ion: 91 Resp: 30921

Ion Ratio Lower Upper

91 100

92 60.7 48.7 73.1

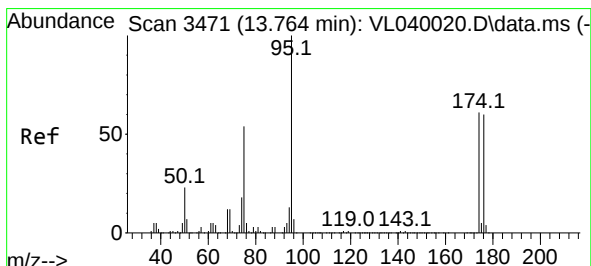
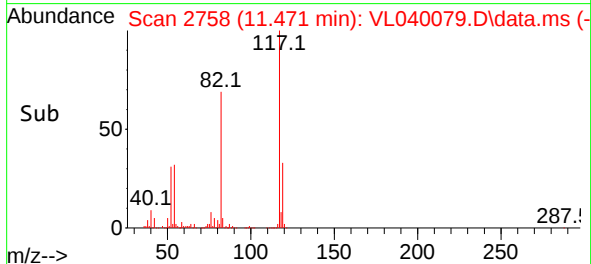
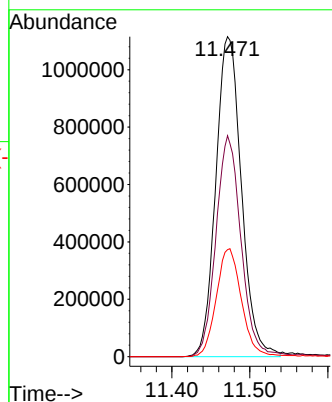
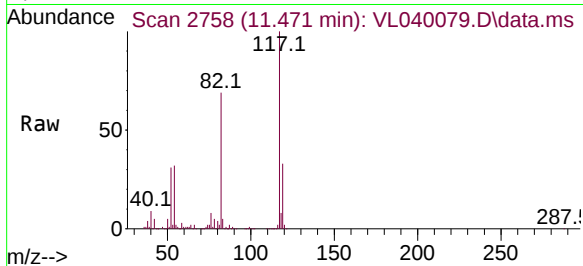




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Instrument :
MSVOA_L
ClientSampleId :
AP-110DUP

Tgt Ion:117 Resp: 2550626
Ion Ratio Lower Upper
117 100
82 68.7 51.2 76.8
119 33.6 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.783 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.023 min
Lab File: VL040079.D
Acq: 9 Jan 2023 17:12

Tgt Ion: 95 Resp: 2100986
Ion Ratio Lower Upper
95 100
174 60.6 48.6 73.0
175 4.2 3.4 5.2

