

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041140.D
 Acq On : 5 Apr 2024 00:56
 Operator : SY/MD
 Sample : P1986-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OAI

Quant Time: Apr 05 03:51:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 03:20:09 2024
 Response via : Initial Calibration

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

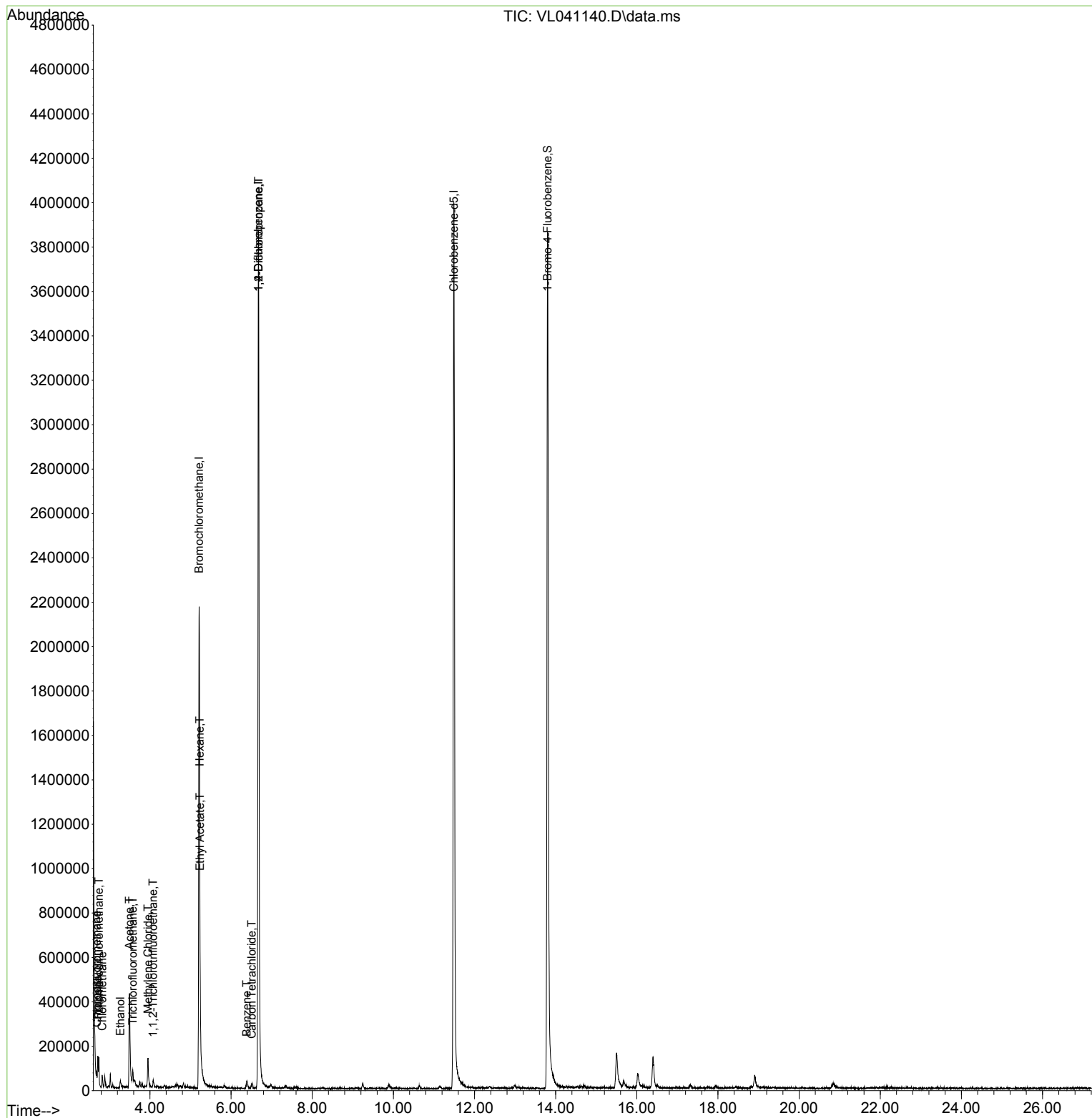
Internal Standards						
1) Bromochloromethane	5.211	49	1070017	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3071512	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2781285	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2078452	9.256	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	75588	0.412	ppbv #	81
3) Chlorodifluoromethane	2.687	51	56075	0.340	ppbv	94
4) Chloromethane	2.822	50	42077	0.675	ppbv	93
9) Propene	2.710	41	8686	0.166	ppbv #	43
11) Trichlorofluoromethane	3.578	101	40703	0.245	ppbv	86
12) 1,1,2-Trichlorotrifluo...	4.079	101	4272	0.036	ppbv #	1
13) Ethanol	3.272	45	34442	2.820	ppbv	93
15) Acetone	3.494	43	515657	4.451	ppbv	97
20) Methylene Chloride	3.951	84	40081	0.839	ppbv	95
25) Ethyl Acetate	5.234	43	31678	0.146	ppbv #	84
26) Hexane	5.227	57	14462	0.148	ppbv #	1
35) Carbon Tetrachloride	6.510	117	5902	0.034	ppbv #	60
36) Benzene	6.388	78	14552	0.065	ppbv #	90
39) 1,2-Dichloropropane	6.677	63	740999	8.286	ppbv #	21

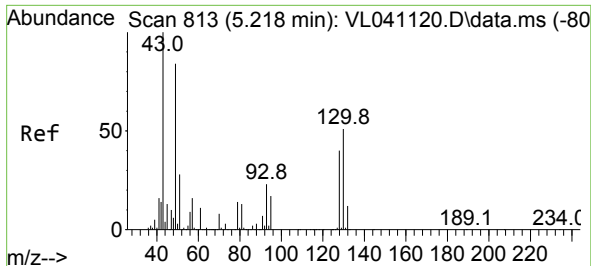
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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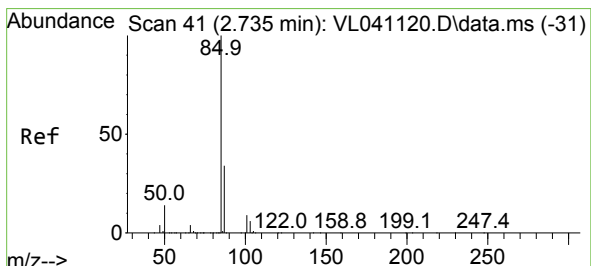
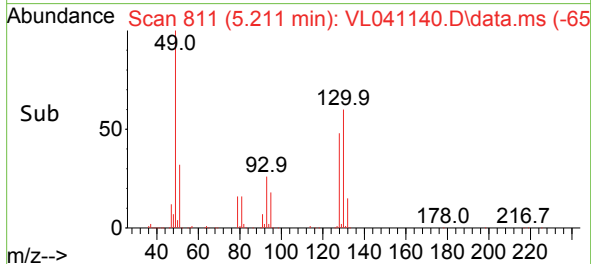
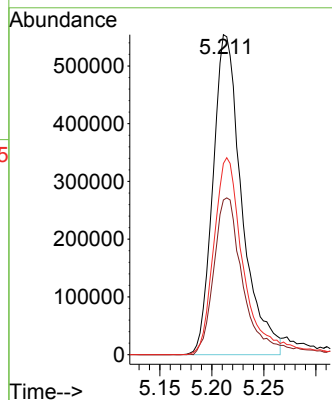
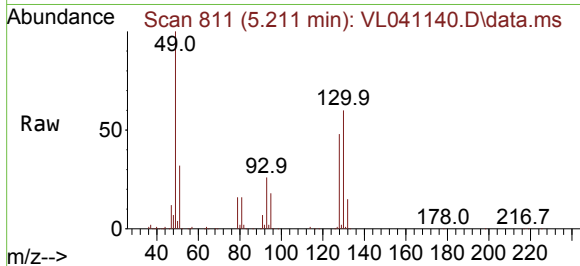




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

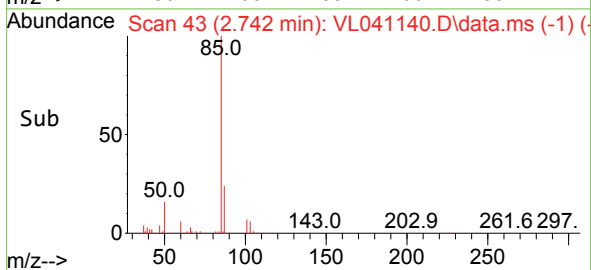
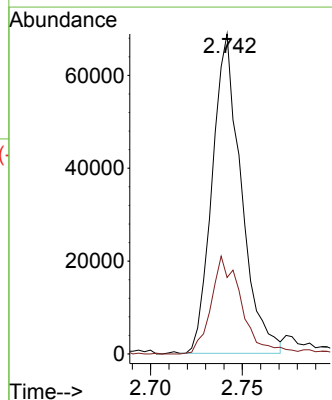
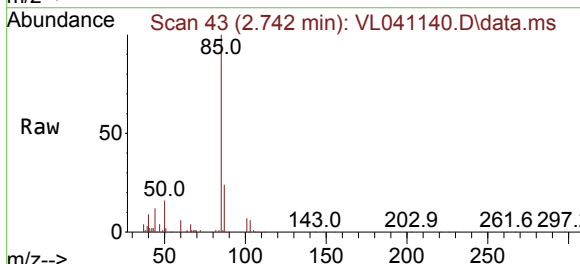
Instrument :
MSVOA_L
ClientSampleId :
OAI

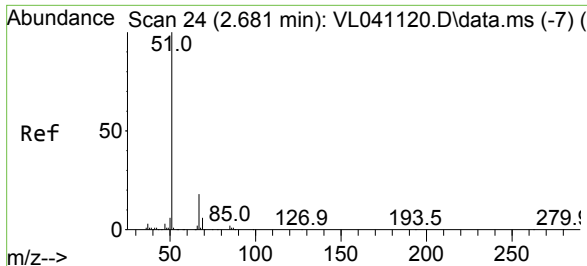
Tgt Ion: 49 Resp: 1070017
Ion Ratio Lower Upper
49 100
128 52.0 23.8 71.5
130 65.0 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 0.412 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.006 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Tgt Ion: 85 Resp: 75588
Ion Ratio Lower Upper
85 100
87 24.0 28.1 42.1#

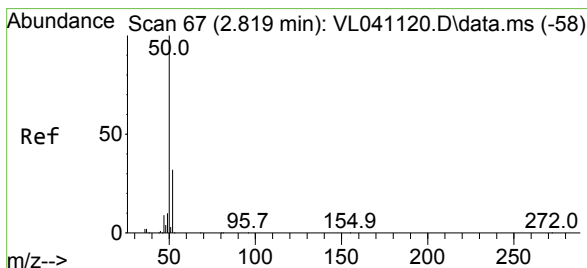
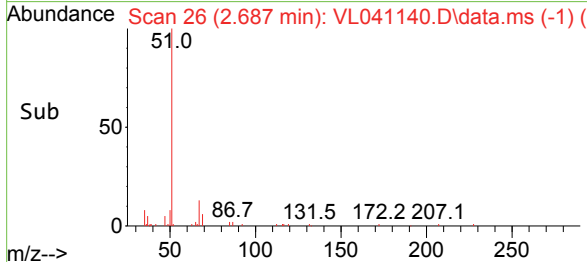
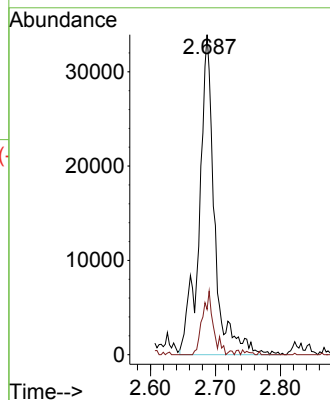
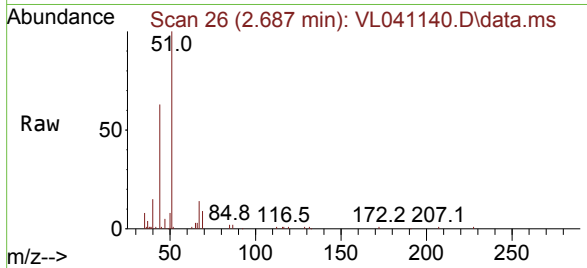




#3
Chlorodifluoromethane
Concen: 0.340 ppbv
RT: 2.687 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

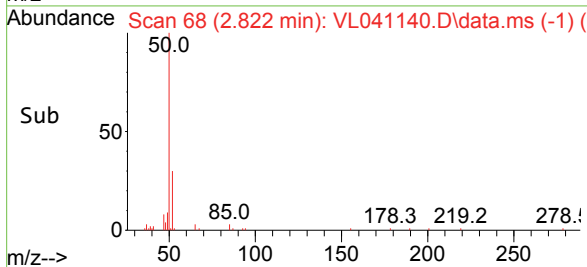
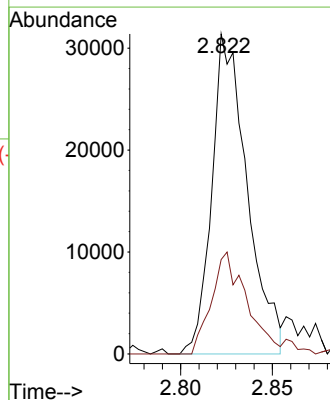
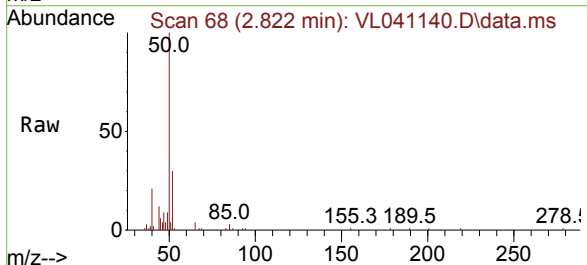
Instrument :
MSVOA_L
ClientSampleId :
OAI

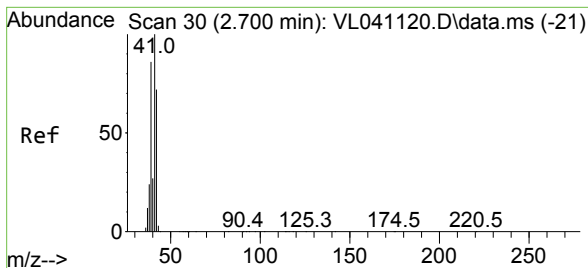
Tgt Ion: 51 Resp: 56075
Ion Ratio Lower Upper
51 100
67 15.4 14.5 21.7



#4
Chloromethane
Concen: 0.675 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.003 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Tgt Ion: 50 Resp: 42077
Ion Ratio Lower Upper
50 100
52 29.5 26.6 40.0





#9

Propene

Concen: 0.166 ppbv

RT: 2.710 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041140.D

Acq: 5 Apr 2024 00:56

Instrument :

MSVOA_L

ClientSampleId :

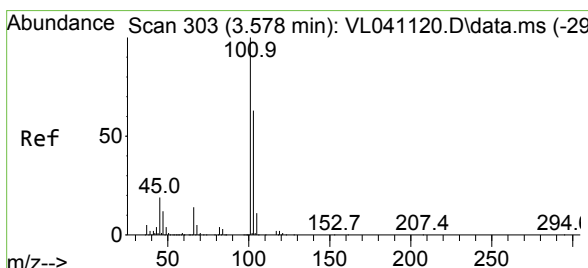
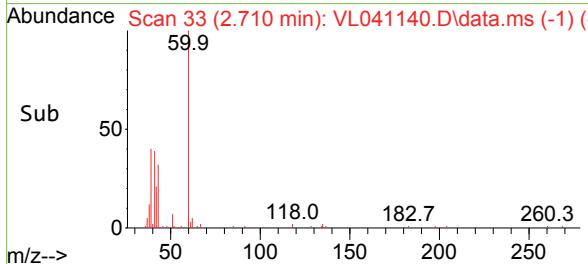
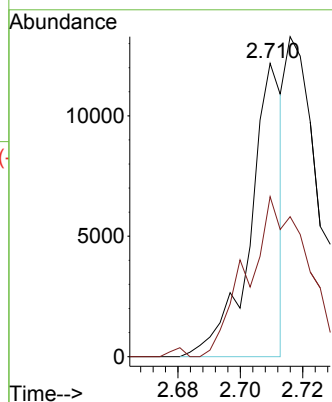
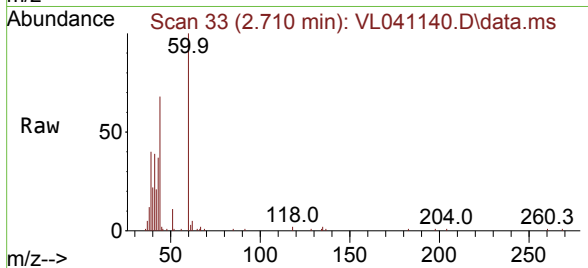
OAI

Tgt Ion: 41 Resp: 8686

Ion Ratio Lower Upper

41 100

42 116.7 55.9 83.9#



#11

Trichlorofluoromethane

Concen: 0.245 ppbv

RT: 3.578 min Scan# 303

Delta R.T. -0.000 min

Lab File: VL041140.D

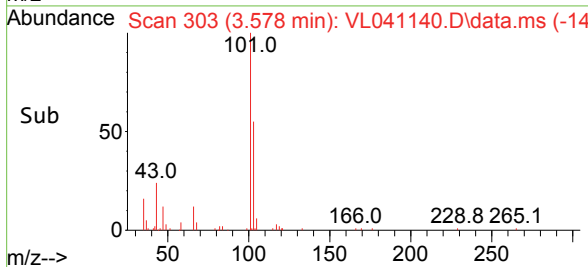
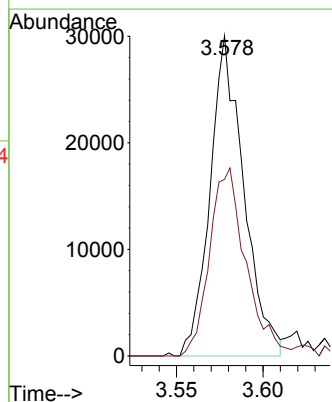
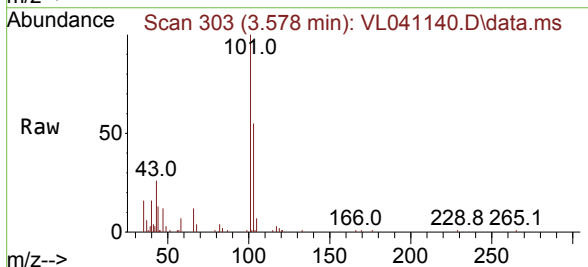
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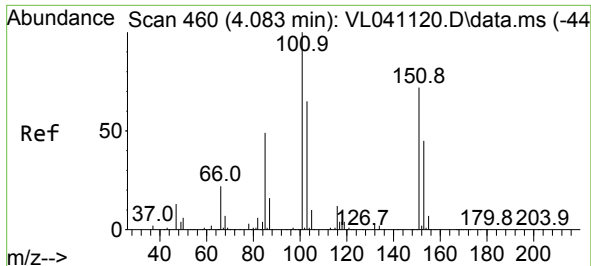
Tgt Ion:101 Resp: 40703

Ion Ratio Lower Upper

101 100

103 55.2 53.0 79.4

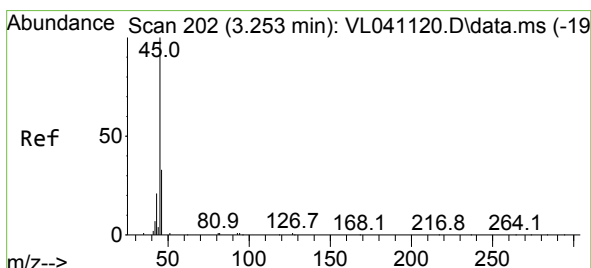
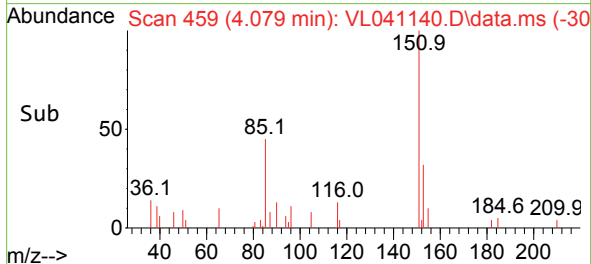
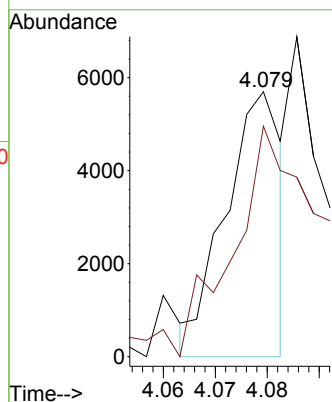
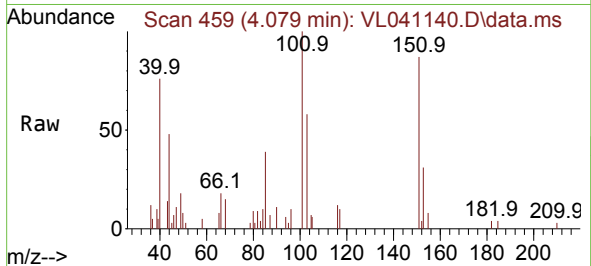




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.036 ppbv
 RT: 4.079 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041140.D
 Acq: 5 Apr 2024 00:56

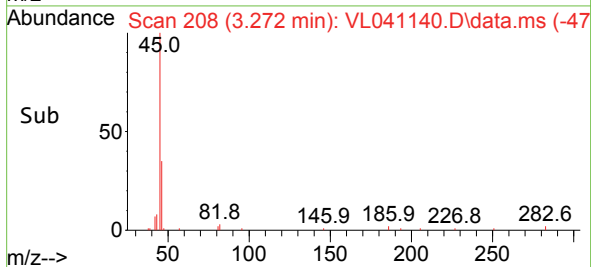
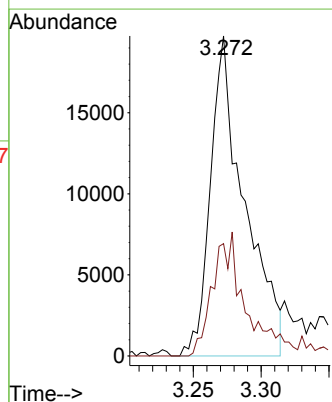
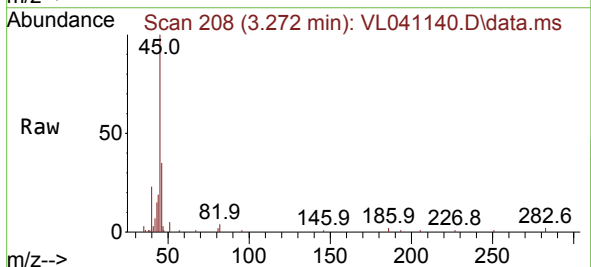
Instrument :
 MSVOA_L
 ClientSampleId :
 OAI

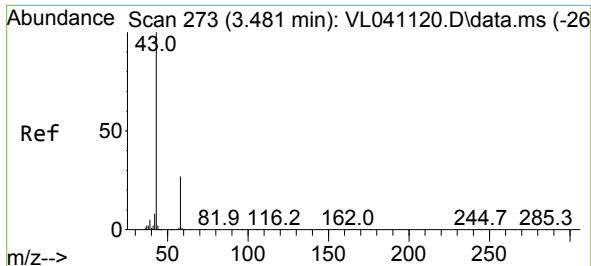
Tgt Ion:101 Resp: 4272
 Ion Ratio Lower Upper
 101 100
 151 176.3 55.8 83.8#



#13
 Ethanol
 Concen: 2.820 ppbv
 RT: 3.272 min Scan# 208
 Delta R.T. 0.019 min
 Lab File: VL041140.D
 Acq: 5 Apr 2024 00:56

Tgt Ion: 45 Resp: 34442
 Ion Ratio Lower Upper
 45 100
 46 40.4 14.6 58.2

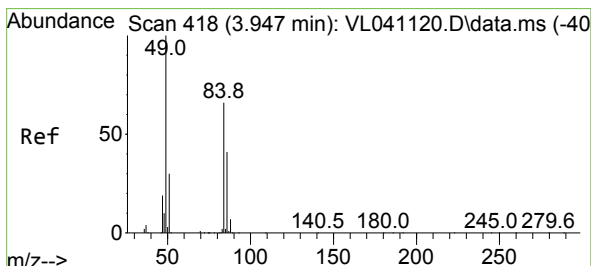
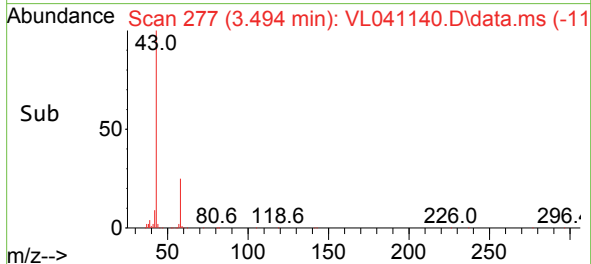
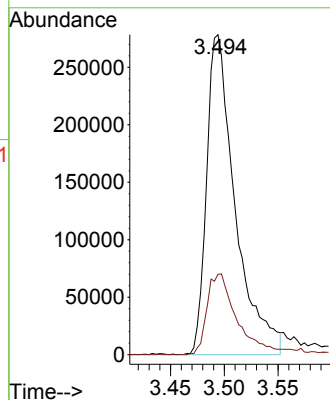
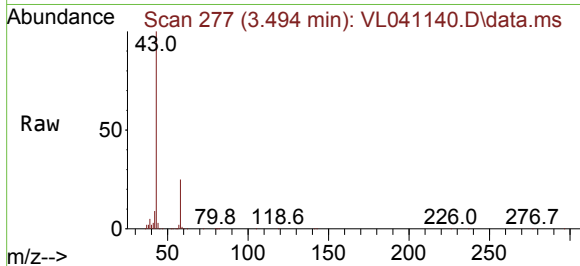




#15
Acetone
Concen: 4.451 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

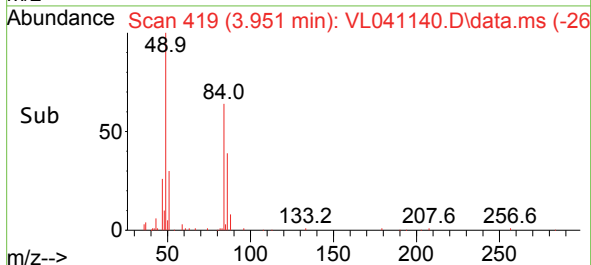
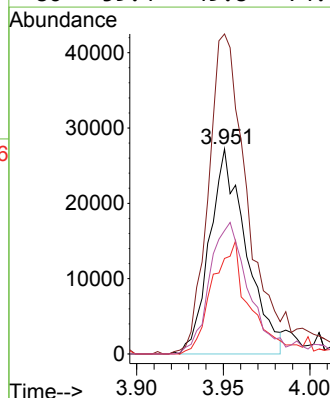
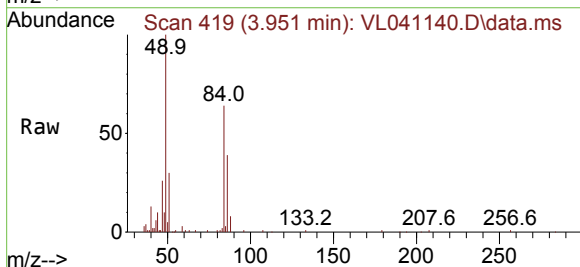
Instrument :
MSVOA_L
ClientSampleId :
OAI

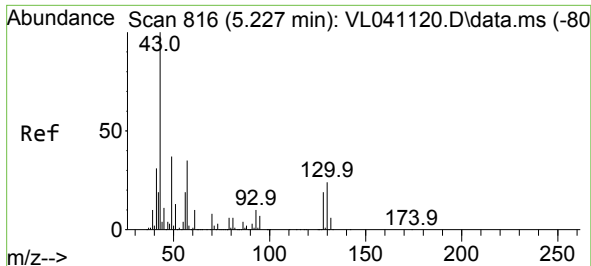
Tgt Ion: 43 Resp: 515657
Ion Ratio Lower Upper
43 100
58 28.9 21.7 32.5



#20
Methylene Chloride
Concen: 0.839 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.003 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Tgt Ion: 84 Resp: 40081
Ion Ratio Lower Upper
84 100
49 154.2 117.0 175.6
51 46.6 34.9 52.3
86 59.4 49.8 74.6





#25

Ethyl Acetate

Concen: 0.146 ppbv

RT: 5.234 min Scan# 816

Delta R.T. 0.006 min

Lab File: VL041140.D

Acq: 5 Apr 2024 00:56

Instrument :

MSVOA_L

ClientSampleId :

OAI

Tgt Ion: 43 Resp: 31678

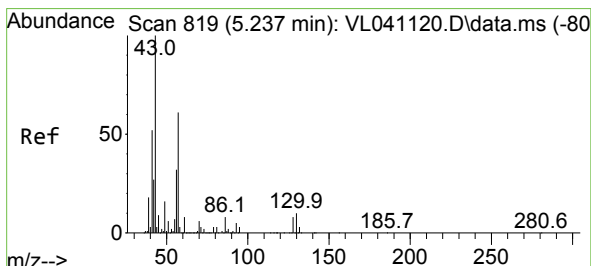
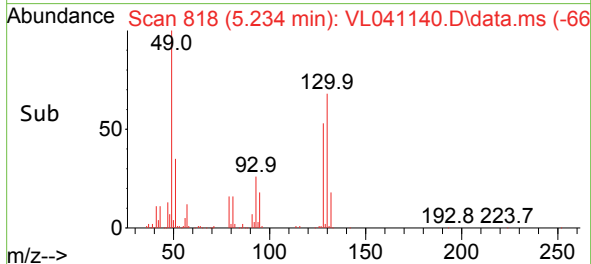
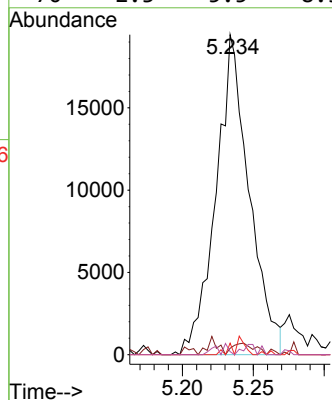
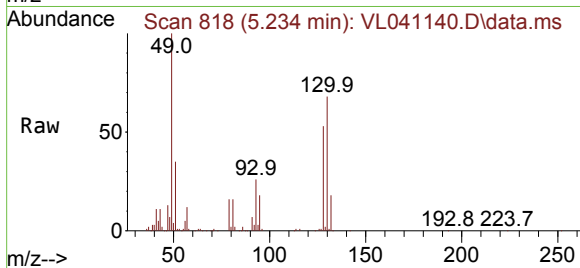
Ion Ratio Lower Upper

43 100

45 5.7 8.2 12.2#

61 2.4 8.2 12.2#

70 2.3 5.5 8.3#



#26

Hexane

Concen: 0.148 ppbv

RT: 5.227 min Scan# 816

Delta R.T. -0.010 min

Lab File: VL041140.D

Acq: 5 Apr 2024 00:56

Tgt Ion: 57 Resp: 14462

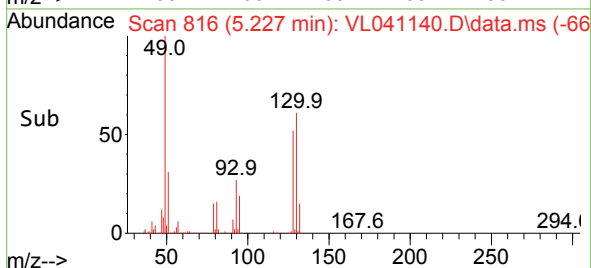
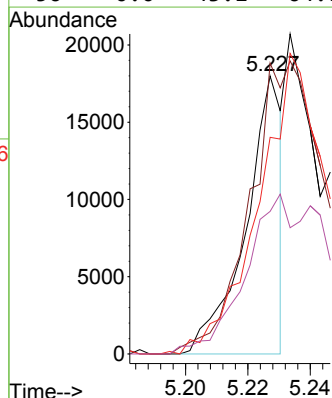
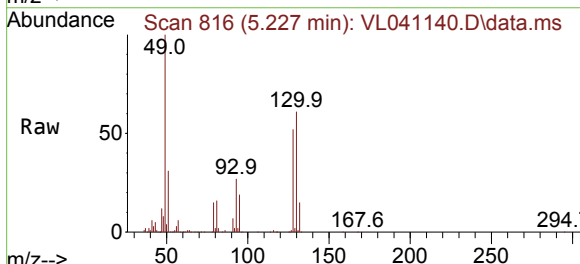
Ion Ratio Lower Upper

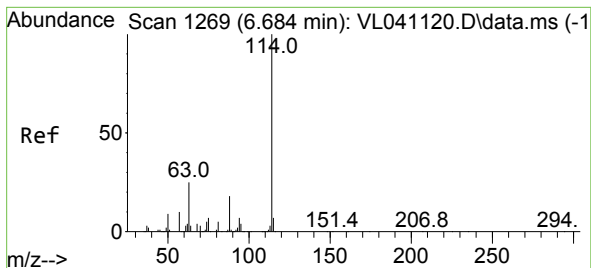
57 100

41 0.0 73.8 110.6#

43 0.0 184.2 276.2#

56 0.0 43.1 64.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL041140.D

Acq: 5 Apr 2024 00:56

Instrument :

MSVOA_L

ClientSampleId :

OAI

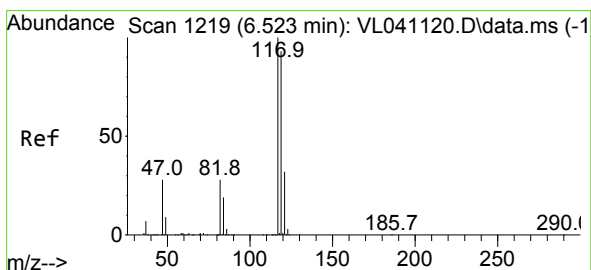
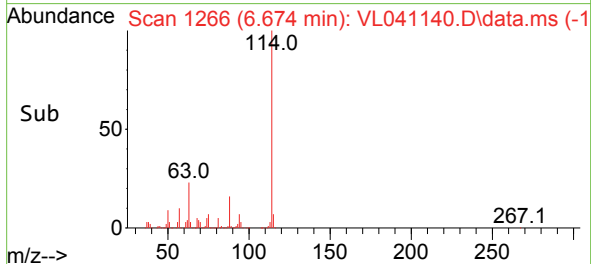
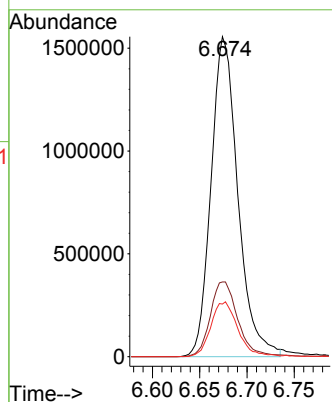
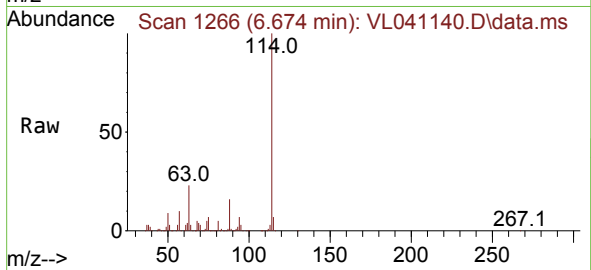
Tgt Ion:114 Resp: 3071512

Ion Ratio Lower Upper

114 100

63 24.3 21.0 31.6

88 17.6 14.6 22.0



#35

Carbon Tetrachloride

Concen: 0.034 ppbv

RT: 6.510 min Scan# 1215

Delta R.T. -0.013 min

Lab File: VL041140.D

Acq: 5 Apr 2024 00:56

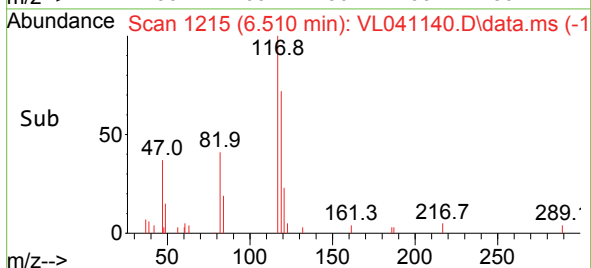
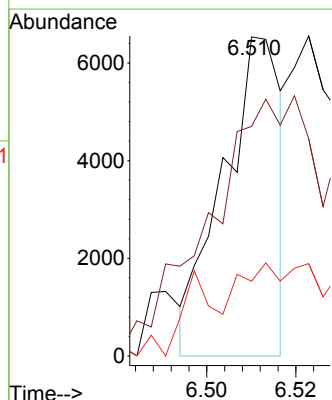
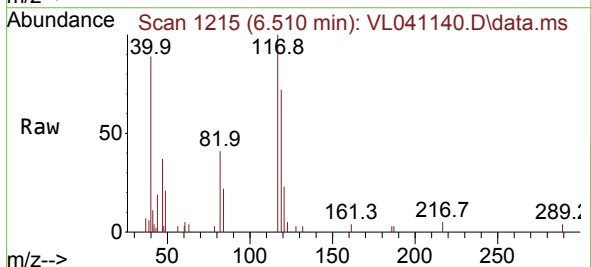
Tgt Ion:117 Resp: 5902

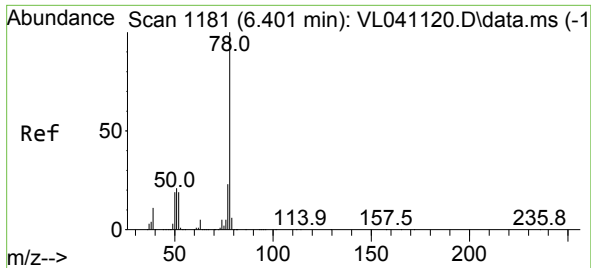
Ion Ratio Lower Upper

117 100

119 51.9 75.6 113.4#

121 13.7 23.4 35.2#

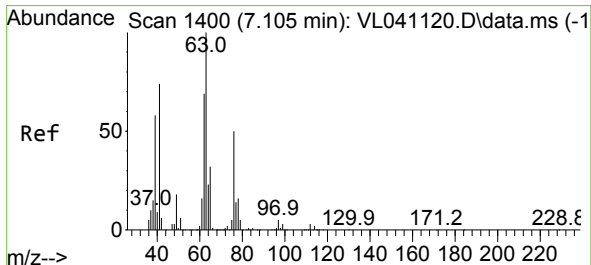
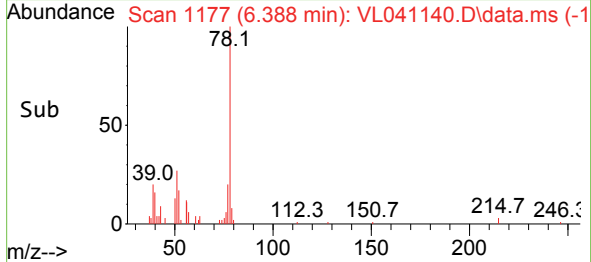
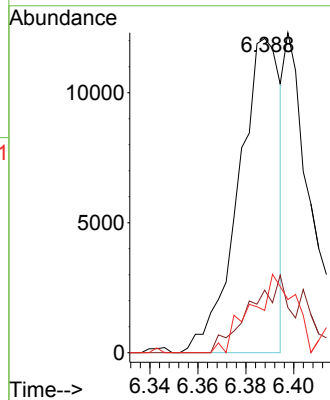
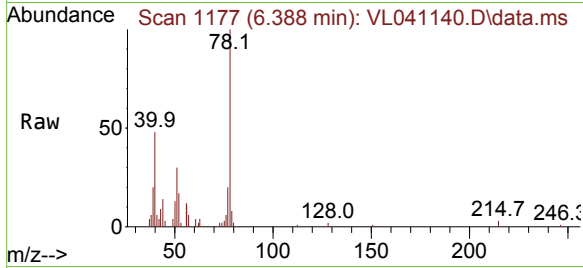




#36
Benzene
Concen: 0.065 ppbv
RT: 6.388 min Scan# 1181
Delta R.T. -0.013 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

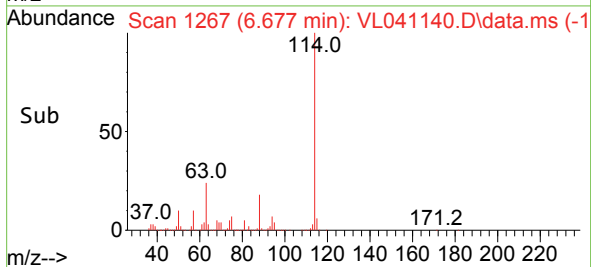
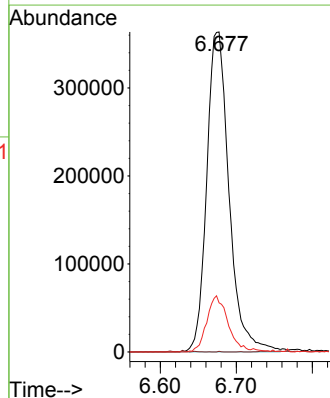
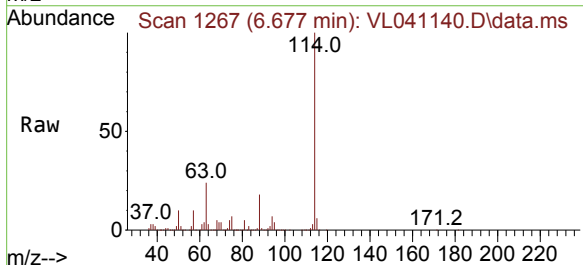
Instrument :
MSVOA_L
ClientSampleId :
OAI

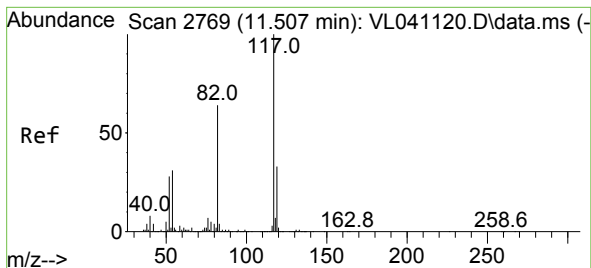
Tgt Ion: 78 Resp: 14552
Ion Ratio Lower Upper
78 100
77 19.9 18.8 28.2
50 13.5 15.5 23.3#



#39
1,2-Dichloropropane
Concen: 8.286 ppbv
RT: 6.677 min Scan# 1267
Delta R.T. -0.428 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Tgt Ion: 63 Resp: 740999
Ion Ratio Lower Upper
63 100
41 0.2 62.2 93.4#
62 15.3 57.0 85.4#

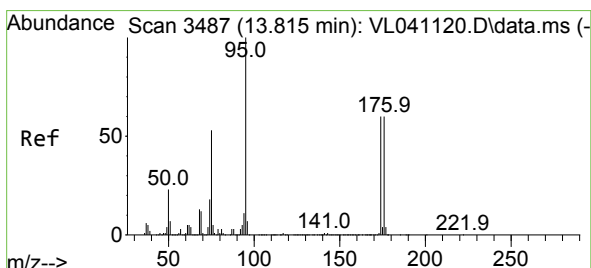
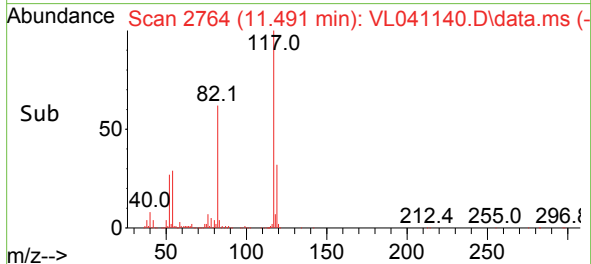
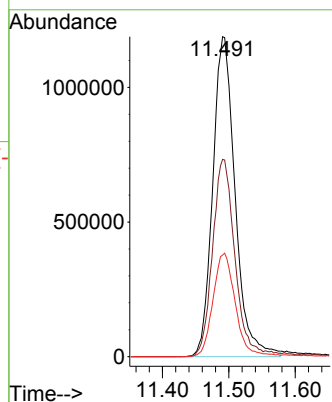
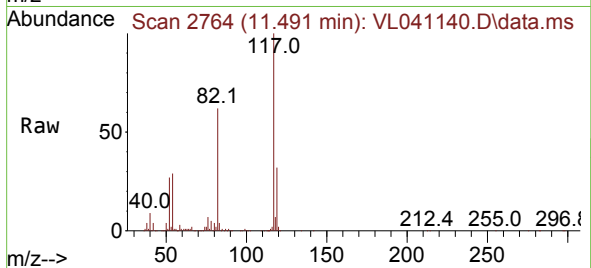




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Instrument :
MSVOA_L
ClientSampleId :
OAI

Tgt Ion:117 Resp: 2781285
Ion Ratio Lower Upper
117 100
82 63.3 51.4 77.2
119 32.9 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.256 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. -0.013 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Tgt Ion: 95 Resp: 2078452
Ion Ratio Lower Upper
95 100
174 62.5 47.8 71.8
175 4.5 3.5 5.3

