

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040406.D
 Acq On : 11 May 2023 18:42
 Operator : SY/MD
 Sample : 02748-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 12 05:56:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

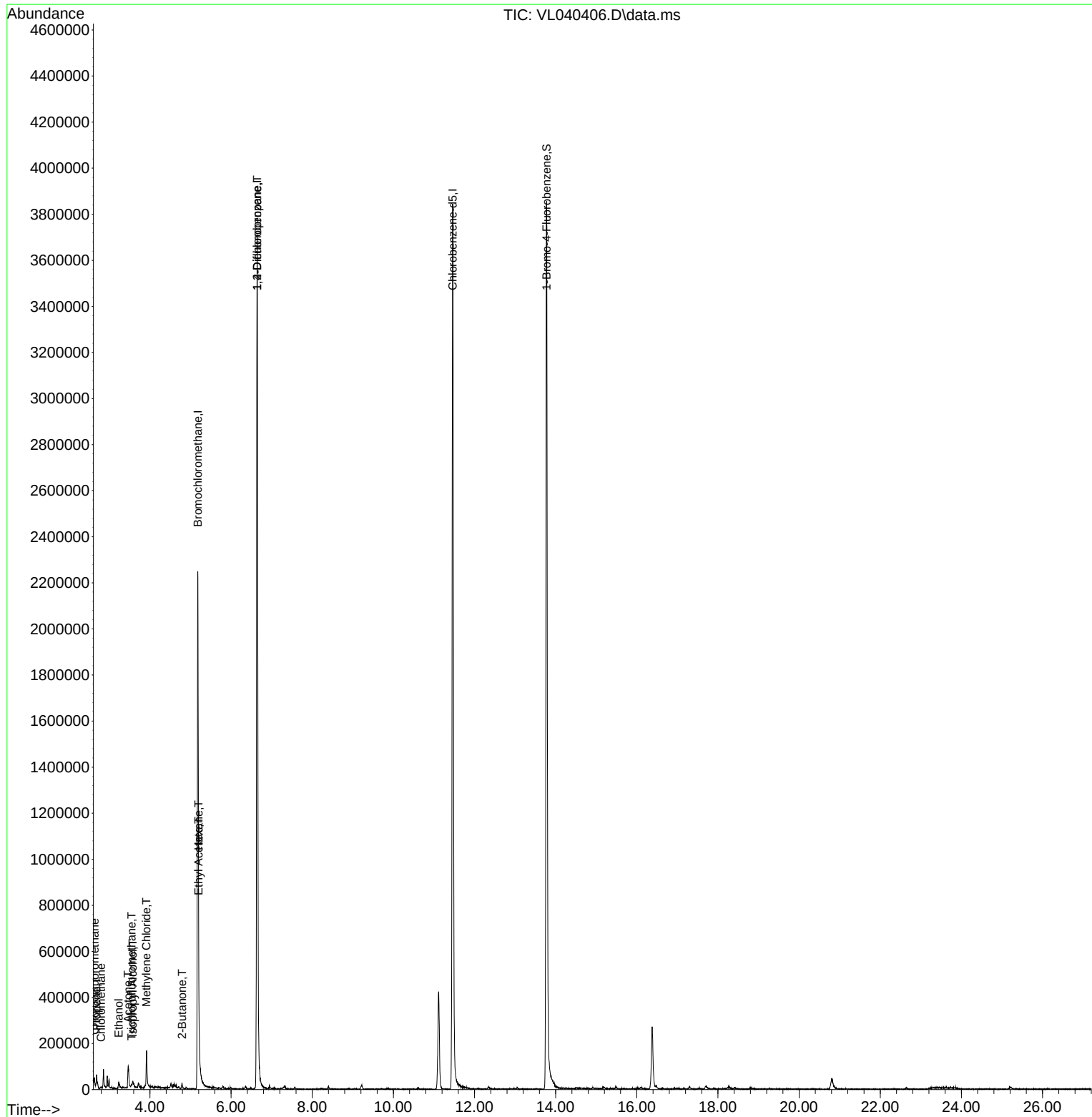
Internal Standards						
1) Bromochloromethane	5.179	49	1100956	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2769625	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2439928	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1899822	9.416	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.636	51	16557	0.115	ppbv #	80
4) Chloromethane	2.796	50	6446	0.071	ppbv #	74
9) Propene	2.684	41	9030	0.159	ppbv #	63
11) Trichlorofluoromethane	3.545	101	8180	0.041	ppbv	94
13) Ethanol	3.230	45	23264	4.903	ppbv	79
15) Acetone	3.462	43	90229	0.579	ppbv #	88
19) Isopropyl Alcohol	3.578	45	21952	0.309	ppbv #	62
20) Methylene Chloride	3.915	84	50144	0.805	ppbv #	90
25) Ethyl Acetate	5.201	43	25648	0.098	ppbv #	83
26) Hexane	5.198	57	22528	0.204	ppbv #	38
34) 2-Butanone	4.793	43	19951	0.134	ppbv #	78
39) 1,2-Dichloropropane	6.642	63	694768	7.814	ppbv #	24

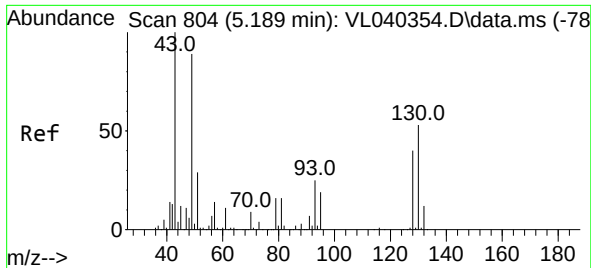
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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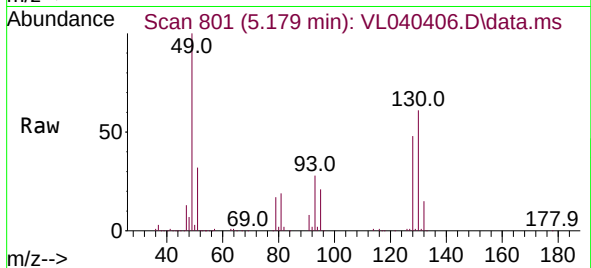
Quant Time: May 12 05:56:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
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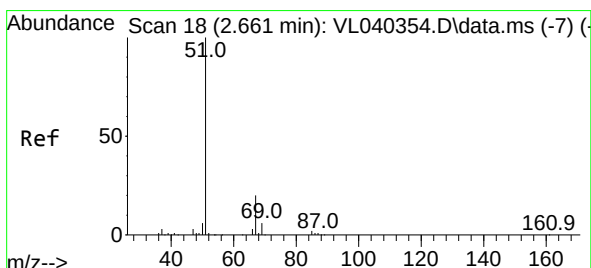
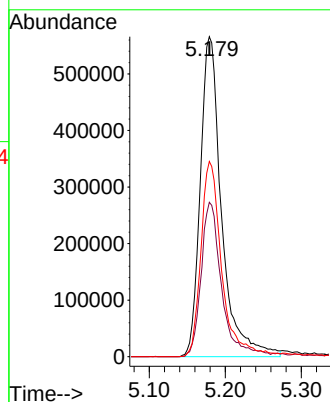
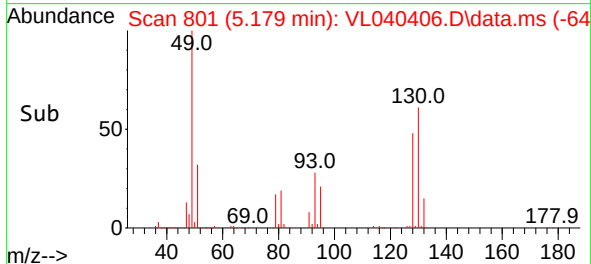


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Instrument :
MSVOA_L
ClientSampleId :

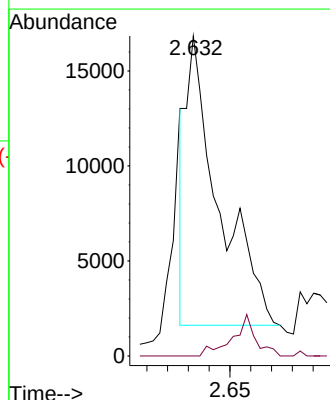
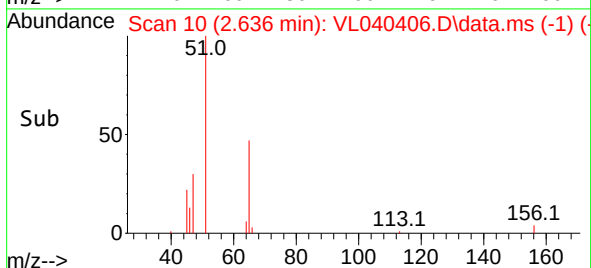
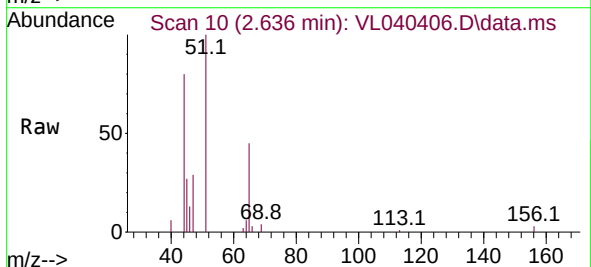


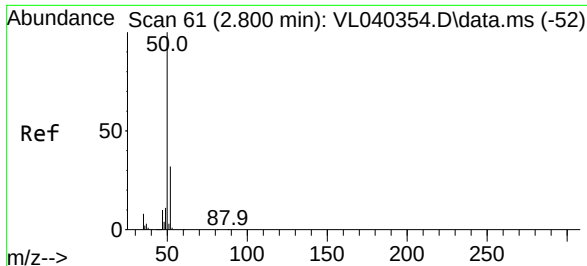
Tgt Ion: 49 Resp: 1100956
Ion Ratio Lower Upper
49 100
128 48.5 23.7 71.1
130 61.6 29.9 89.8



#3
Chlorodifluoromethane
Concen: 0.115 ppbv
RT: 2.636 min Scan# 10
Delta R.T. -0.025 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Tgt Ion: 51 Resp: 16557
Ion Ratio Lower Upper
51 100
67 10.3 15.5 23.3#

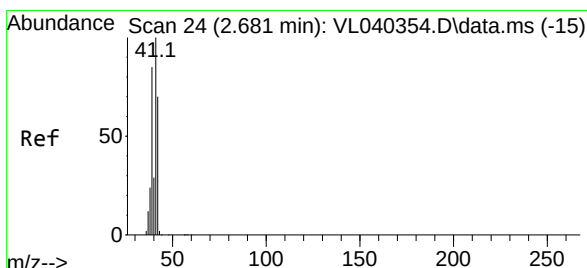
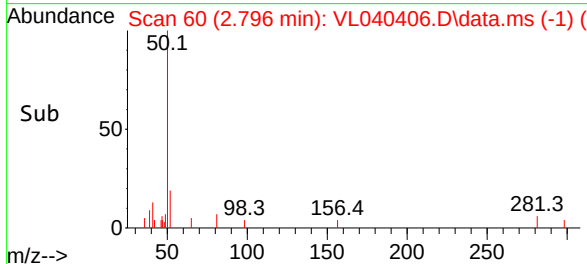
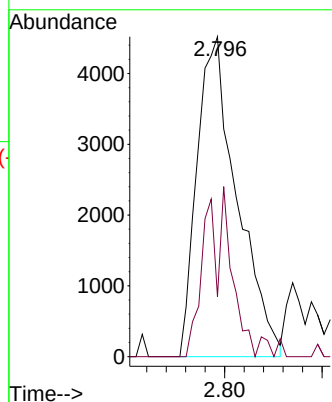
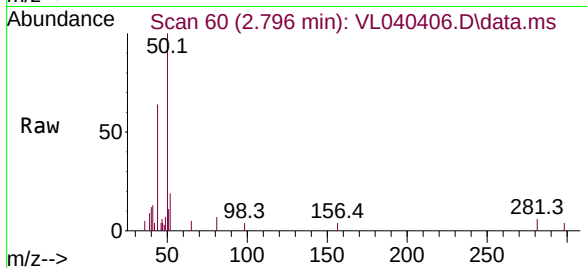




#4
Chloromethane
Concen: 0.071 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

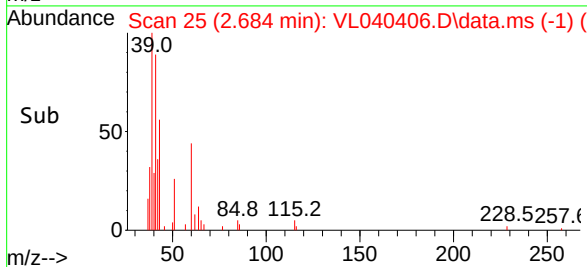
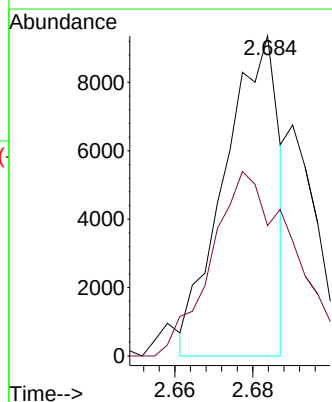
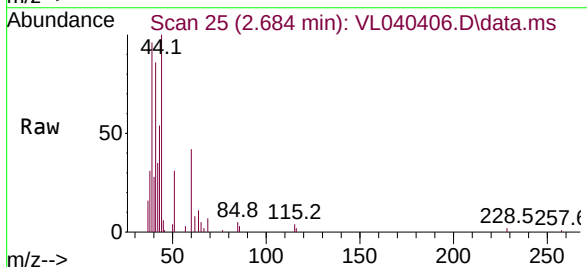
Instrument :
MSVOA_L
ClientSampleId :

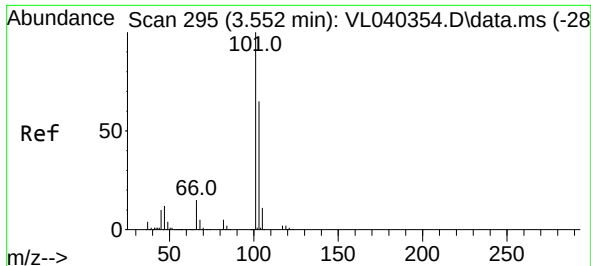
Tgt Ion: 50 Resp: 6446
Ion Ratio Lower Upper
50 100
52 17.0 25.3 37.9#



#9
Propene
Concen: 0.159 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.003 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

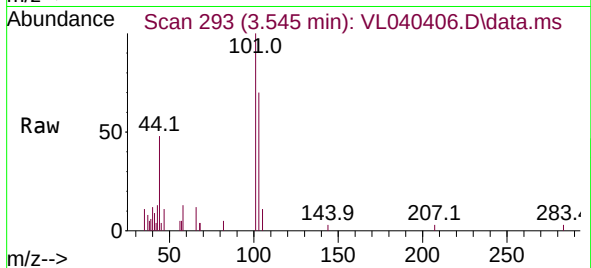
Tgt Ion: 41 Resp: 9030
Ion Ratio Lower Upper
41 100
42 101.1 56.5 84.7#



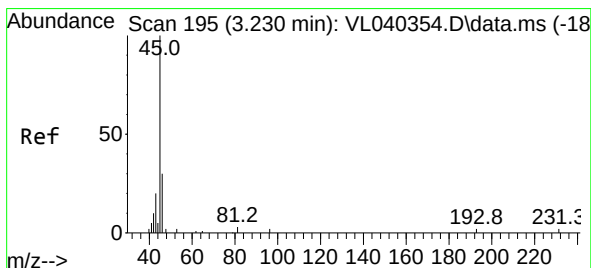
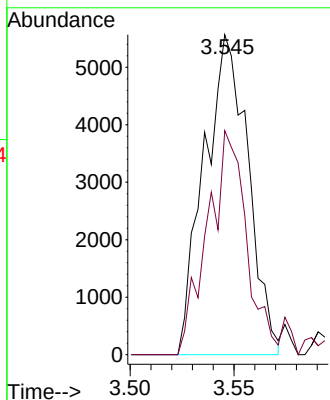
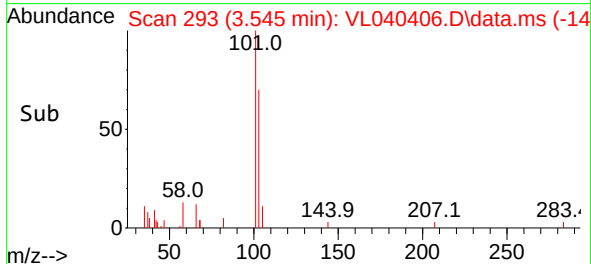


#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 3.545 min Scan# 295
 Delta R.T. -0.007 min
 Lab File: VL040406.D
 Acq: 11 May 2023 18:42

Instrument :
 MSVOA_L
 ClientSampleId :

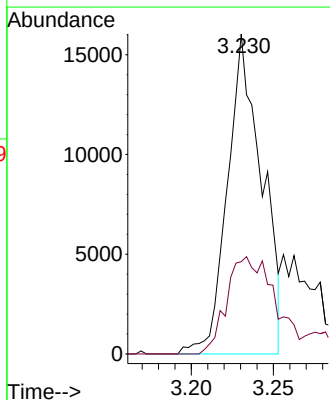
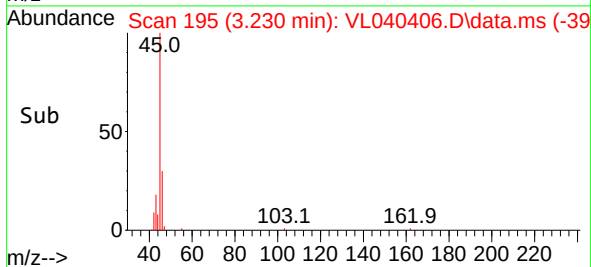
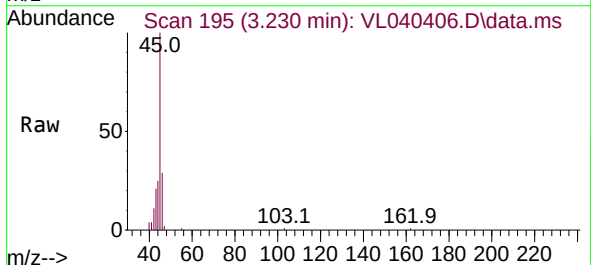


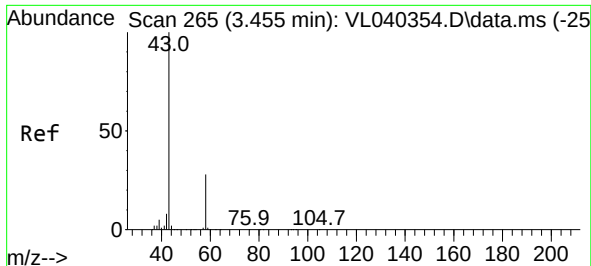
Tgt Ion:101 Resp: 8180
 Ion Ratio Lower Upper
 101 100
 103 70.0 52.2 78.4



#13
 Ethanol
 Concen: 4.903 ppbv
 RT: 3.230 min Scan# 195
 Delta R.T. 0.000 min
 Lab File: VL040406.D
 Acq: 11 May 2023 18:42

Tgt Ion: 45 Resp: 23264
 Ion Ratio Lower Upper
 45 100
 46 50.8 15.3 61.3

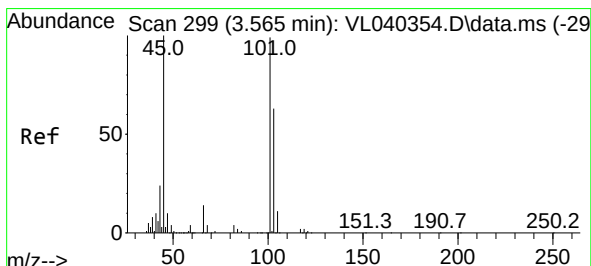
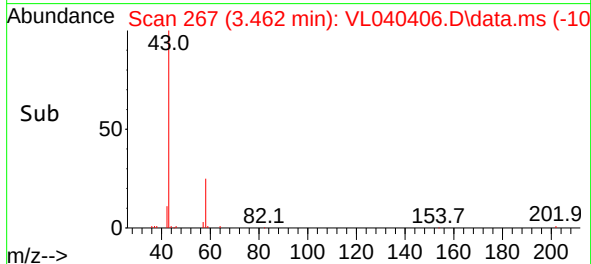
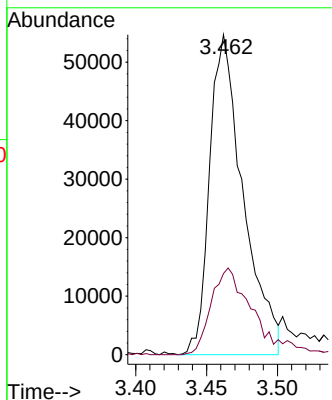
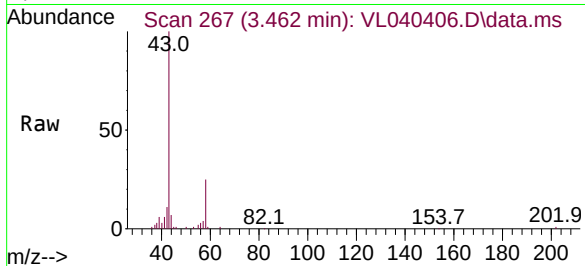




#15
Acetone
Concen: 0.579 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

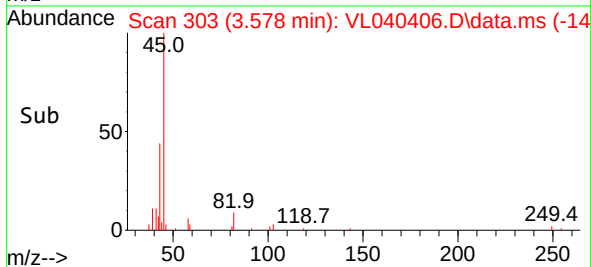
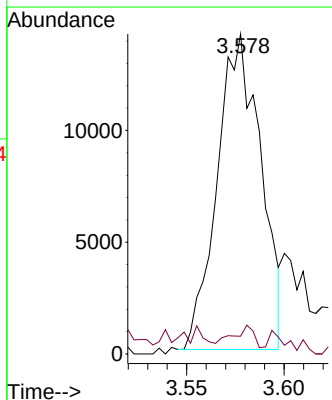
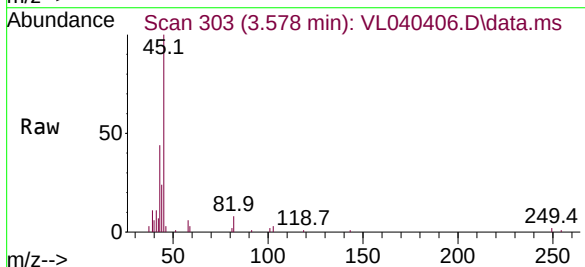
Instrument :
MSVOA_L
ClientSampleId :

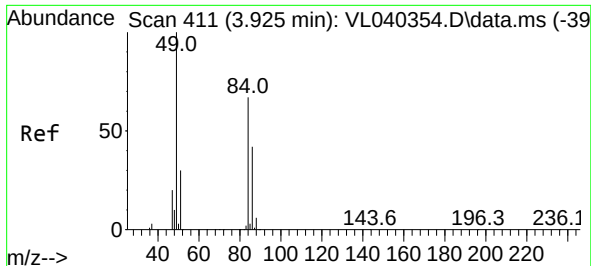
Tgt Ion: 43 Resp: 90229
Ion Ratio Lower Upper
43 100
58 33.8 22.2 33.2#



#19
Isopropyl Alcohol
Concen: 0.309 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.013 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

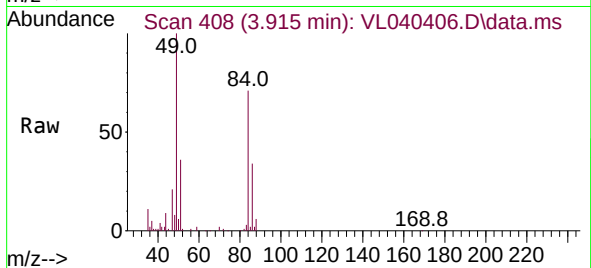
Tgt Ion: 45 Resp: 21952
Ion Ratio Lower Upper
45 100
58 15.9 2.6 4.0#



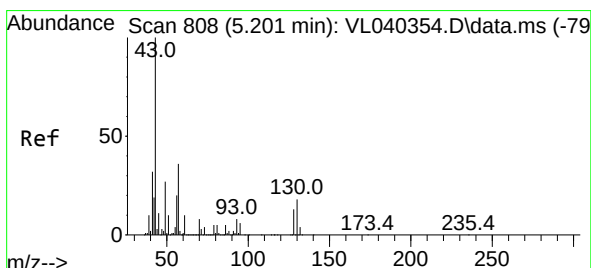
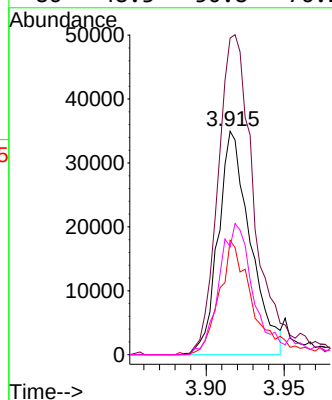
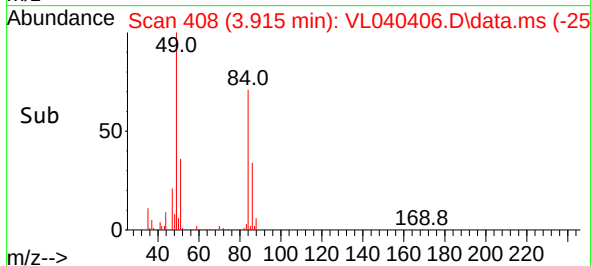


#20
Methylene Chloride
Concen: 0.805 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Instrument :
MSVOA_L
ClientSampleId :

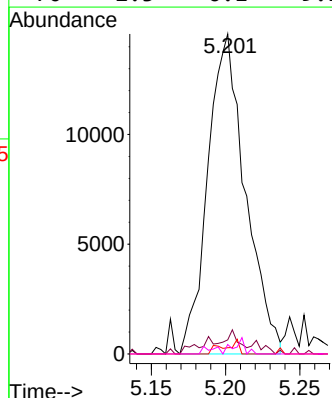
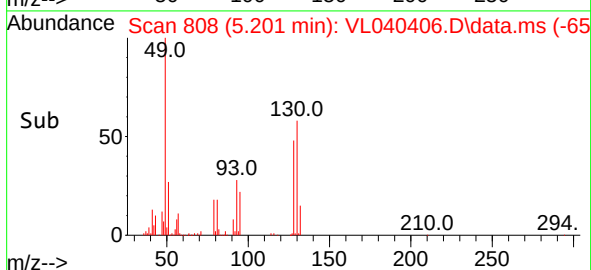
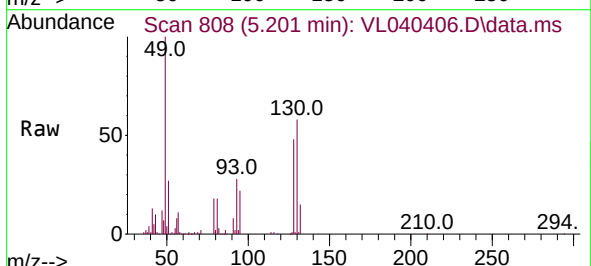


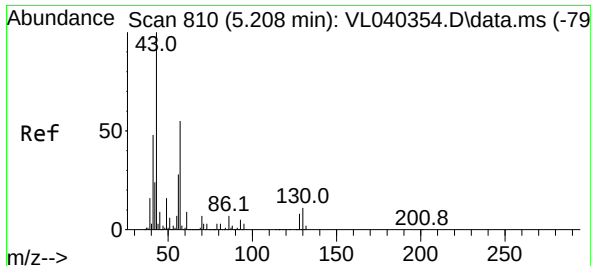
Tgt Ion: 84 Resp: 50144
Ion Ratio Lower Upper
84 100
49 141.3 120.1 180.1
51 50.2 36.3 54.5
86 48.3 50.8 76.2#



#25
Ethyl Acetate
Concen: 0.098 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

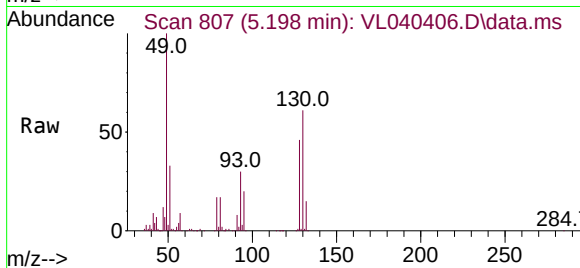
Tgt Ion: 43 Resp: 25648
Ion Ratio Lower Upper
43 100
45 6.7 8.5 12.7#
61 1.7 8.5 12.7#
70 2.3 6.1 9.1#



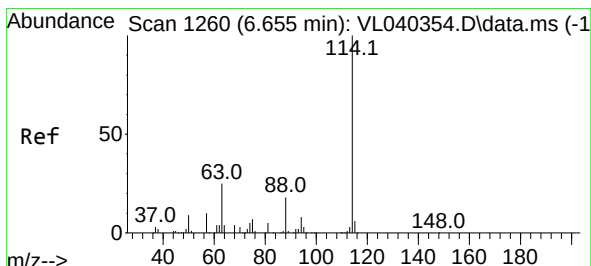
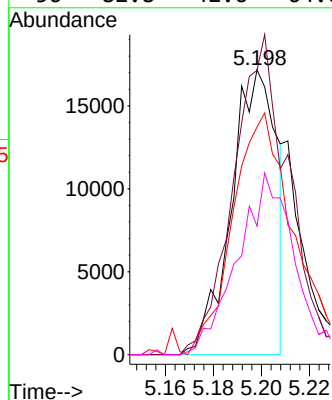
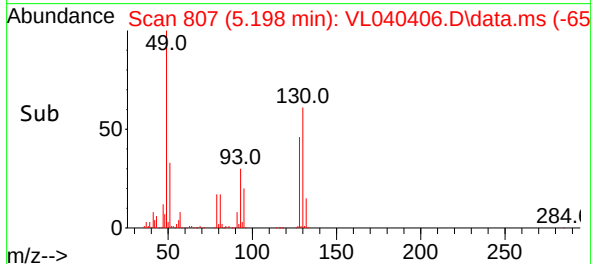


#26
Hexane
Concen: 0.204 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Instrument :
MSVOA_L
ClientSampleId :

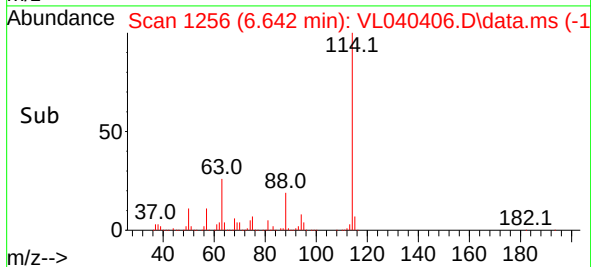
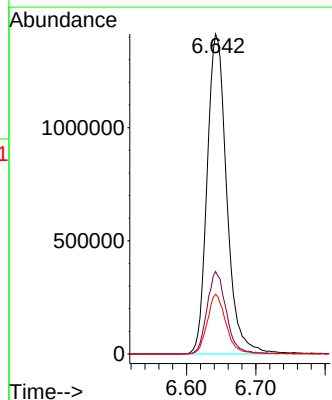
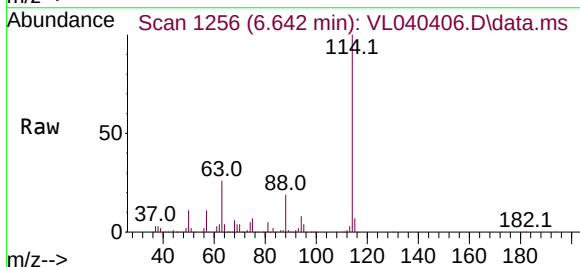


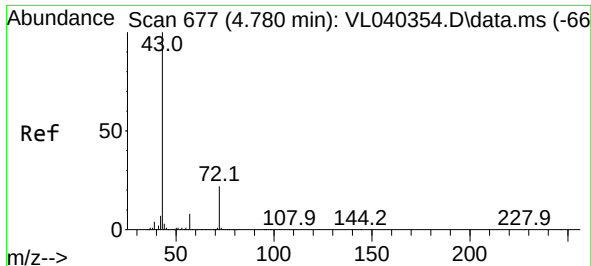
Tgt Ion: 57 Resp: 22528
Ion Ratio Lower Upper
57 100
41 142.7 74.8 112.2#
43 119.3 192.7 289.1#
56 82.8 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Tgt Ion: 114 Resp: 2769625
Ion Ratio Lower Upper
114 100
63 25.4 21.4 32.0
88 18.0 14.6 22.0

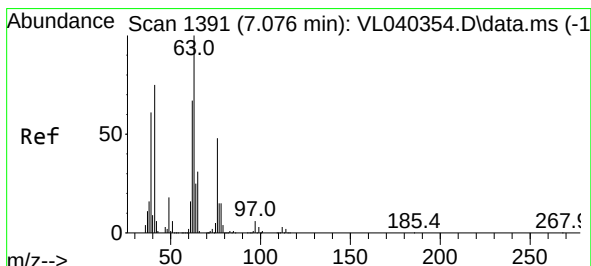
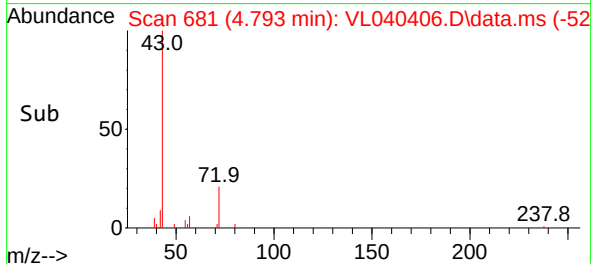
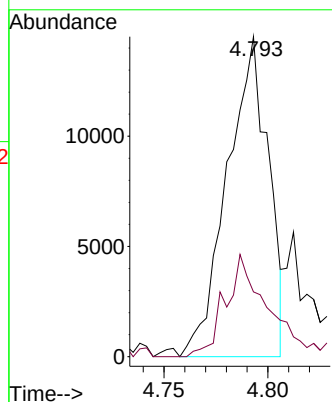
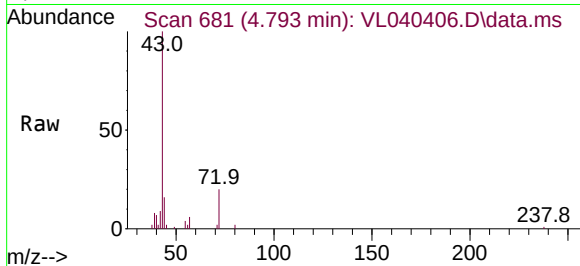




#34
2-Butanone
Concen: 0.134 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

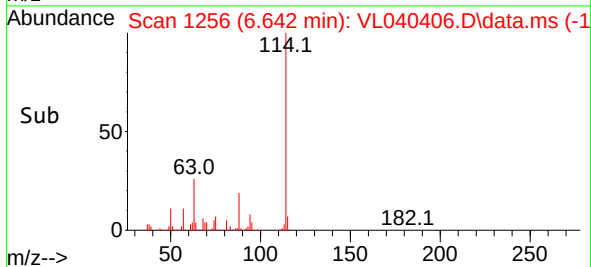
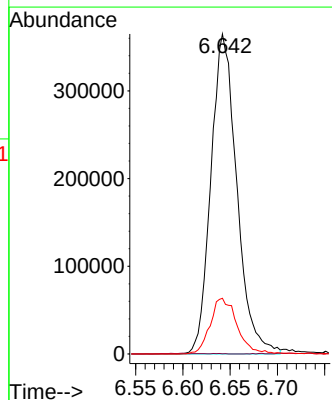
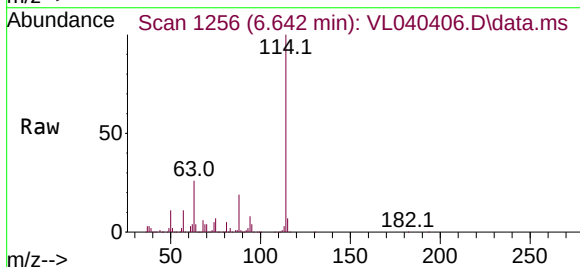
Instrument :
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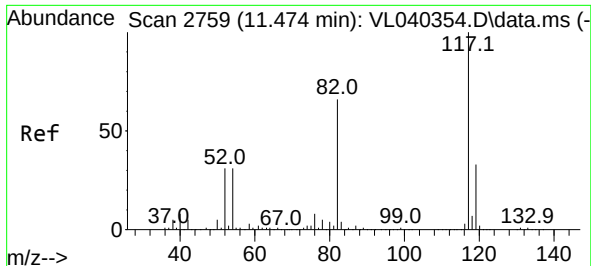
Tgt Ion: 43 Resp: 19951
Ion Ratio Lower Upper
43 100
72 33.9 18.4 27.6#



#39
1,2-Dichloropropane
Concen: 7.814 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.434 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Tgt Ion: 63 Resp: 694768
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 17.4 53.9 80.9#

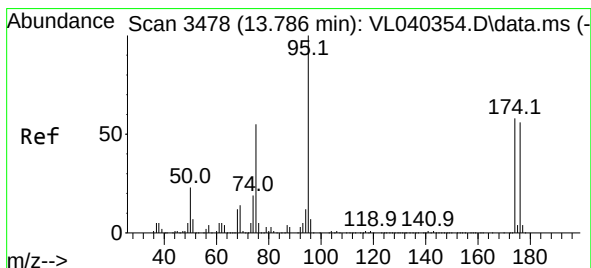
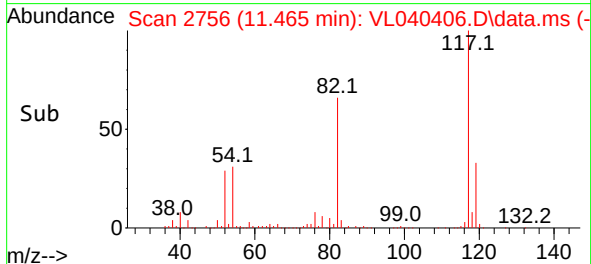
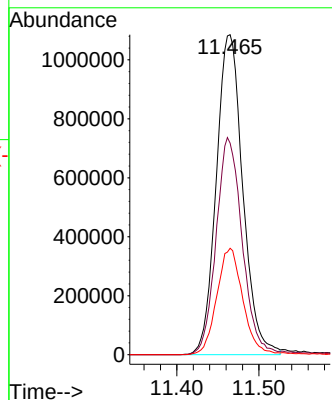
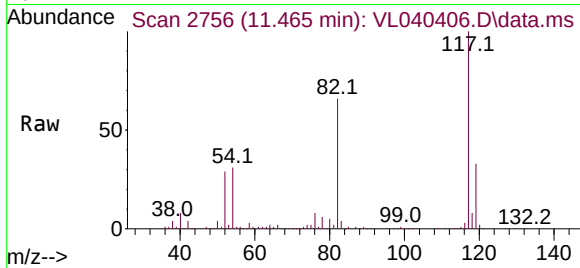




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2439928
Ion Ratio Lower Upper
117 100
82 67.8 52.5 78.7
119 33.1 24.3 36.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.416 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.009 min
Lab File: VL040406.D
Acq: 11 May 2023 18:42

Tgt Ion: 95 Resp: 1899822
Ion Ratio Lower Upper
95 100
174 61.6 47.2 70.8
175 4.2 3.5 5.3

