

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040408.D
 Acq On : 11 May 2023 20:02
 Operator : SY/MD
 Sample : 02748-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 12 05:56:58 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)

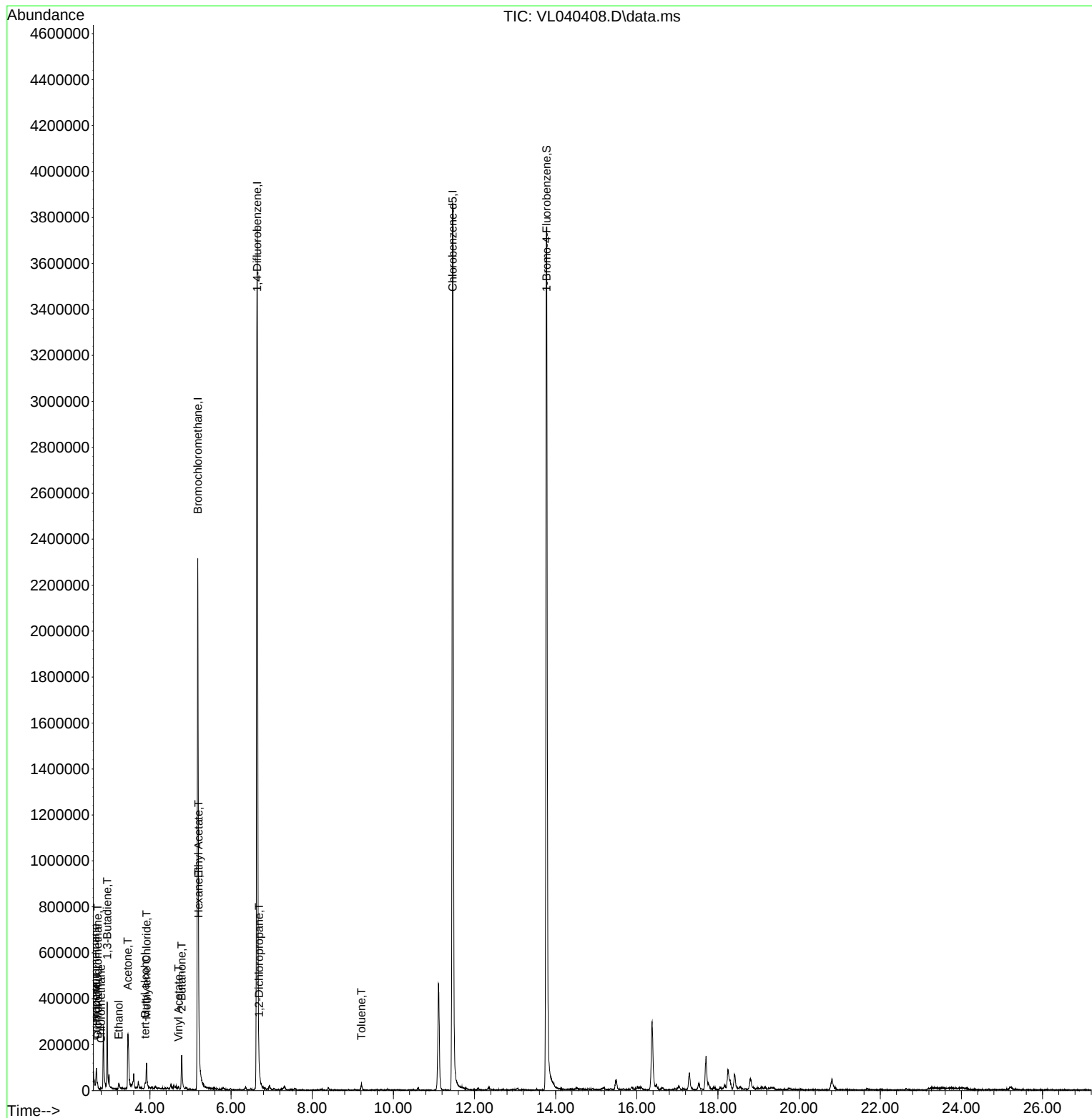
Internal Standards						
1) Bromochloromethane	5.179	49	1103194	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2777740	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2462321	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1918521	9.422	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	12049	0.061	ppbv	95
3) Chlorodifluoromethane	2.655	51	13729	0.095	ppbv	92
4) Chloromethane	2.796	50	6151	0.068	ppbv	97
9) Propene	2.674	41	30589	0.537	ppbv	95
13) Ethanol	3.231	45	13491	2.838	ppbv #	11
15) Acetone	3.456	43	259808	1.663	ppbv #	67
16) 1,3-Butadiene	2.948	39	95182	1.472	ppbv #	13
17) tert-Butyl alcohol	3.880	59	14580	0.102	ppbv #	72
20) Methylene Chloride	3.919	84	34429	0.552	ppbv	92
23) Vinyl Acetate	4.706	43	3077	0.077	ppbv #	14
25) Ethyl Acetate	5.198	43	17655	0.067	ppbv #	87
26) Hexane	5.201	57	10201	0.092	ppbv #	39
34) 2-Butanone	4.780	43	177456	1.185	ppbv	98
39) 1,2-Dichloropropane	6.690	63	10294	0.115	ppbv #	25
53) Toluene	9.211	91	8466	0.035	ppbv #	20

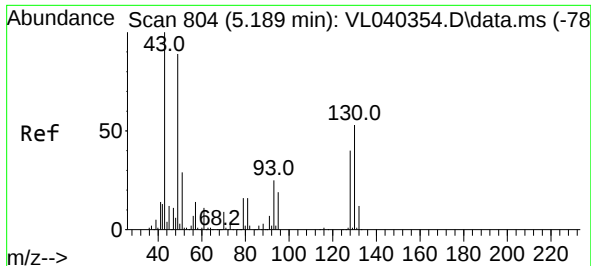
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040408.D
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Sample : 02748-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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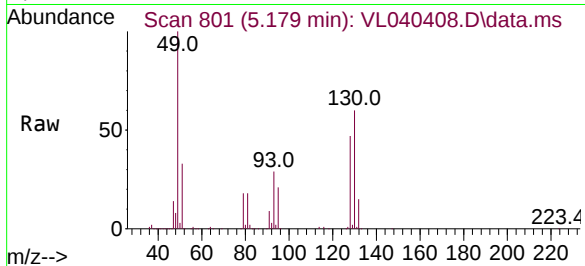
Quant Time: May 12 05:56:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration



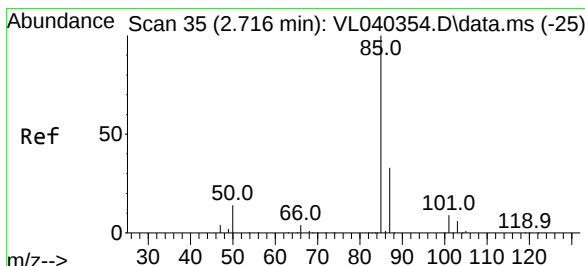
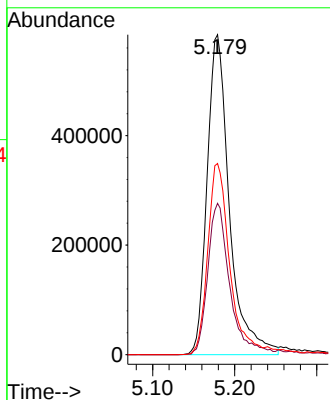
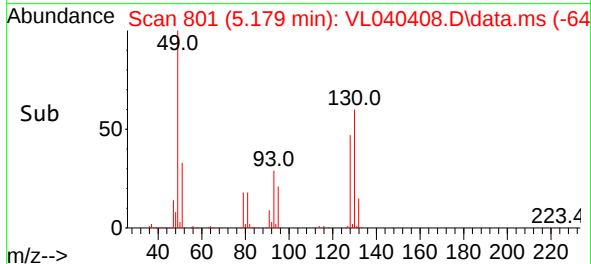


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.010 min
 Lab File: VL040408.D
 Acq: 11 May 2023 20:02

Instrument :
 MSVOA_L
 ClientSampleId :

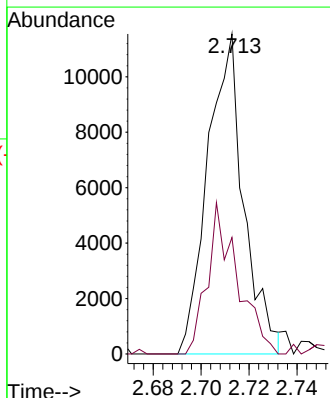
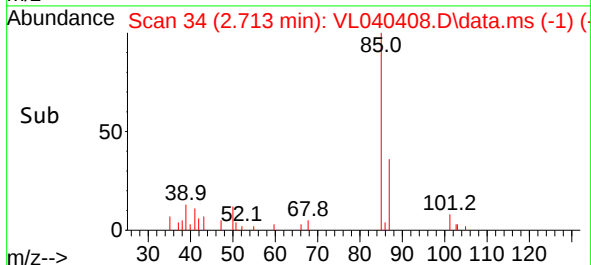
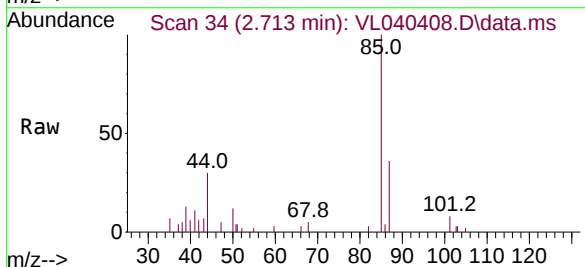


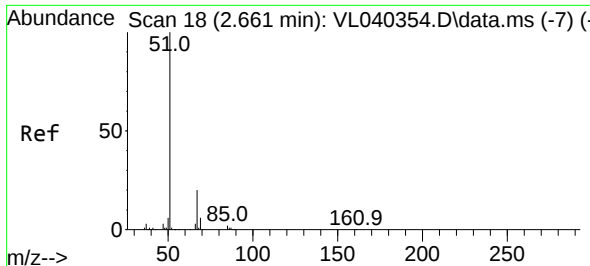
Tgt Ion: 49 Resp: 1103194
 Ion Ratio Lower Upper
 49 100
 128 48.5 23.7 71.1
 130 62.3 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.061 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL040408.D
 Acq: 11 May 2023 20:02

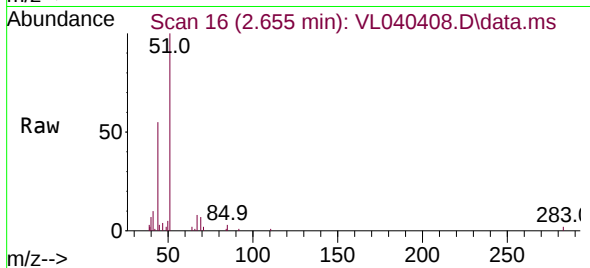
Tgt Ion: 85 Resp: 12049
 Ion Ratio Lower Upper
 85 100
 87 36.4 26.6 40.0



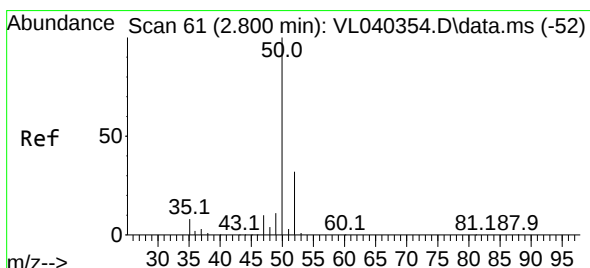
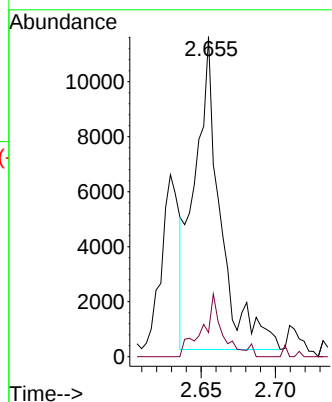
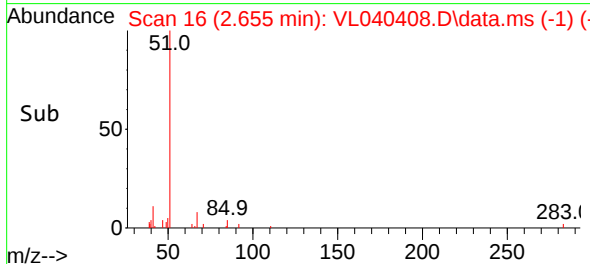


#3
 Chlorodifluoromethane
 Concen: 0.095 ppbv
 RT: 2.655 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VL040408.D
 Acq: 11 May 2023 20:02

Instrument :
 MSVOA_L
 ClientSampleId :

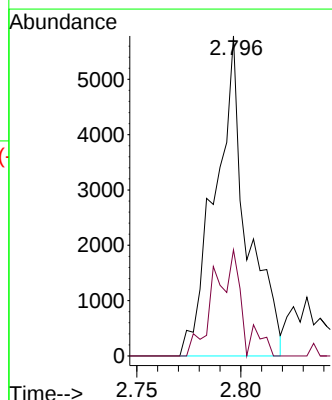
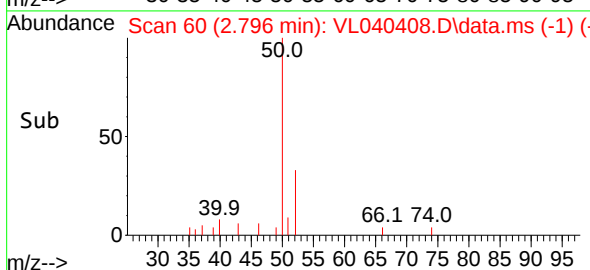
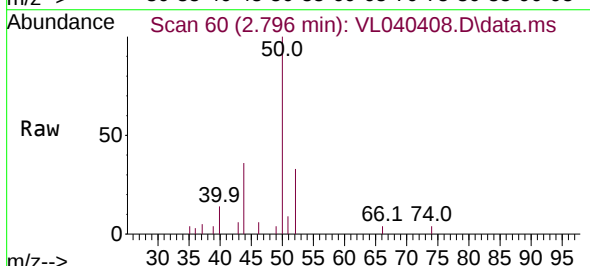


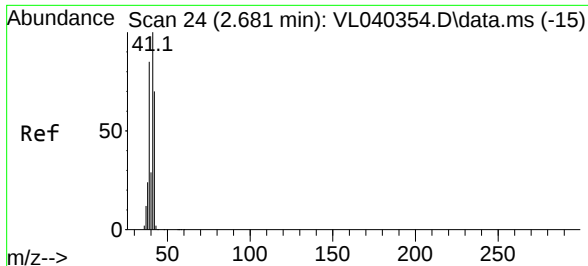
Tgt Ion: 51 Resp: 13729
 Ion Ratio Lower Upper
 51 100
 67 15.8 15.5 23.3



#4
 Chloromethane
 Concen: 0.068 ppbv
 RT: 2.796 min Scan# 60
 Delta R.T. -0.004 min
 Lab File: VL040408.D
 Acq: 11 May 2023 20:02

Tgt Ion: 50 Resp: 6151
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.3 37.9

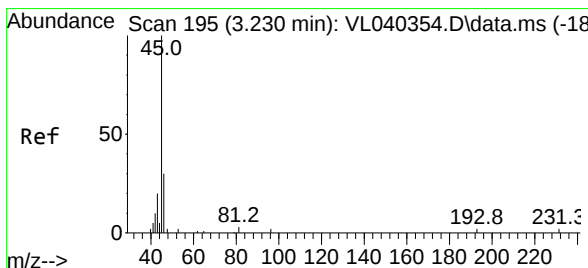
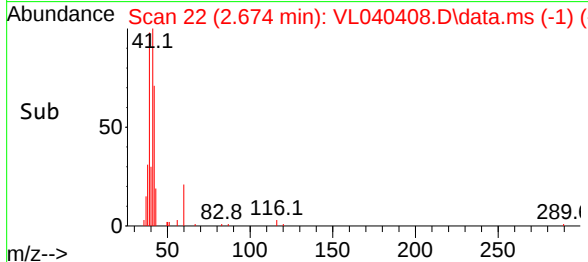
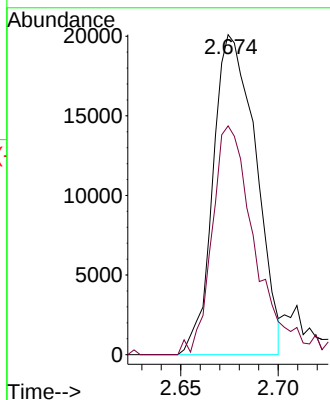
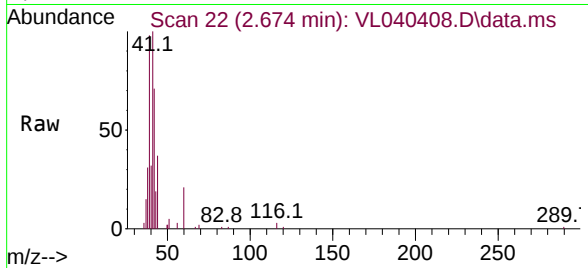




#9
Propene
Concen: 0.537 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

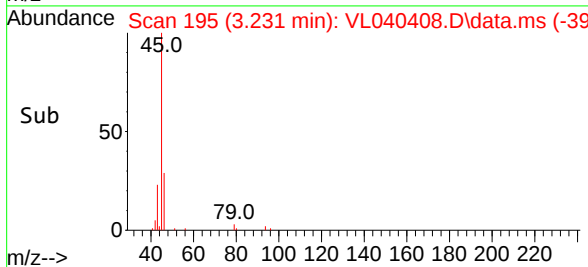
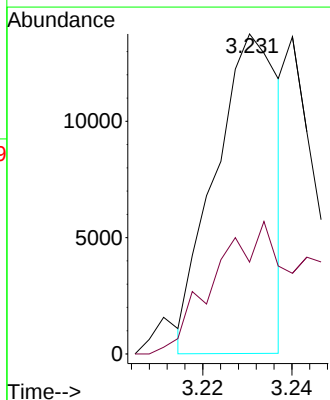
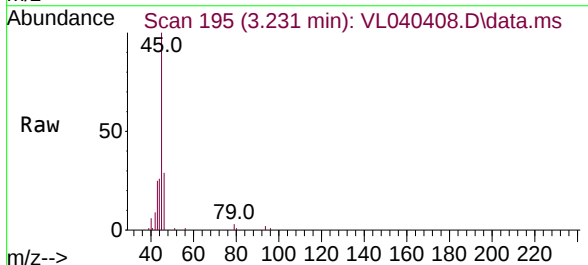
Instrument :
MSVOA_L
ClientSampleId :

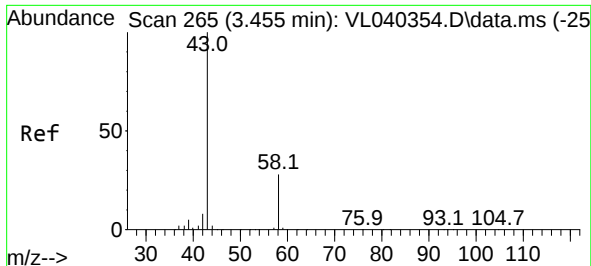
Tgt Ion: 41 Resp: 30589
Ion Ratio Lower Upper
41 100
42 74.5 56.5 84.7



#13
Ethanol
Concen: 2.838 ppbv
RT: 3.231 min Scan# 195
Delta R.T. 0.001 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

Tgt Ion: 45 Resp: 13491
Ion Ratio Lower Upper
45 100
46 92.0 15.3 61.3#

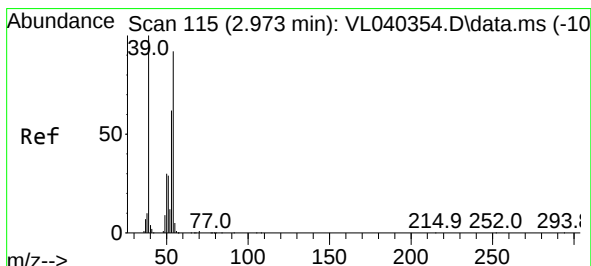
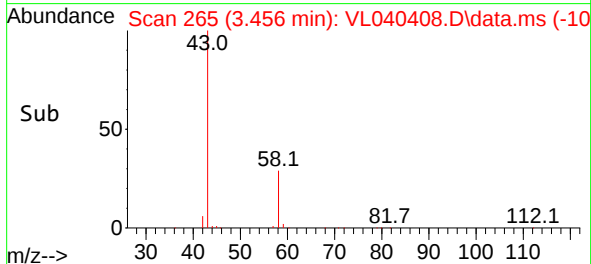
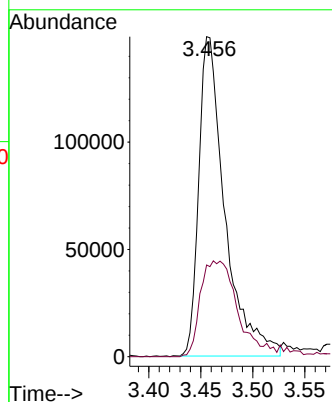
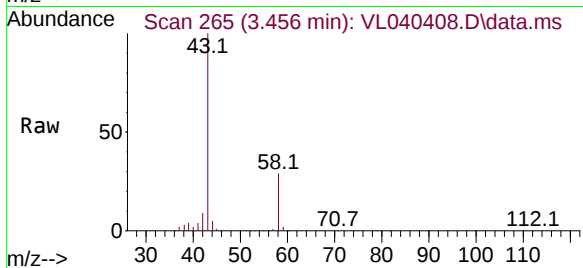




#15
Acetone
Concen: 1.663 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.001 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

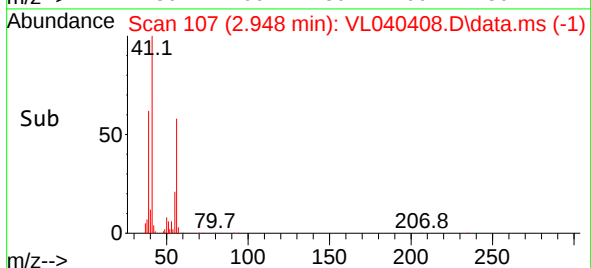
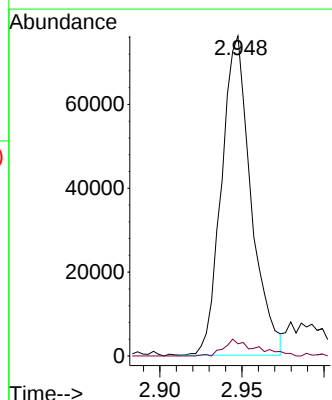
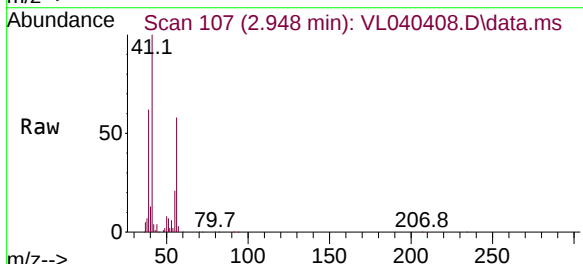
Instrument :
MSVOA_L
ClientSampleId :

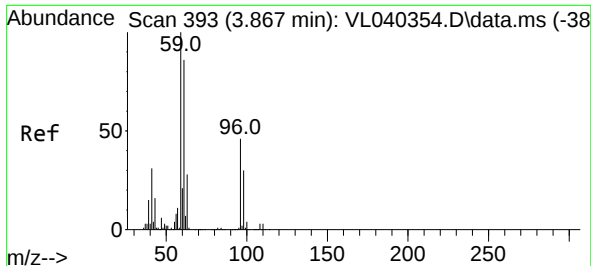
Tgt Ion: 43 Resp: 259808
Ion Ratio Lower Upper
43 100
58 44.7 22.2 33.2#



#16
1,3-Butadiene
Concen: 1.472 ppbv
RT: 2.948 min Scan# 107
Delta R.T. -0.025 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

Tgt Ion: 39 Resp: 95182
Ion Ratio Lower Upper
39 100
54 5.9 68.8 103.2#





#17

tert-Butyl alcohol

Concen: 0.102 ppbv

RT: 3.880 min Scan# 393

Delta R.T. 0.013 min

Lab File: VL040408.D

Acq: 11 May 2023 20:02

Instrument :

MSVOA_L

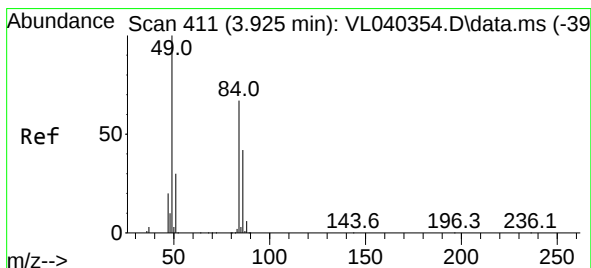
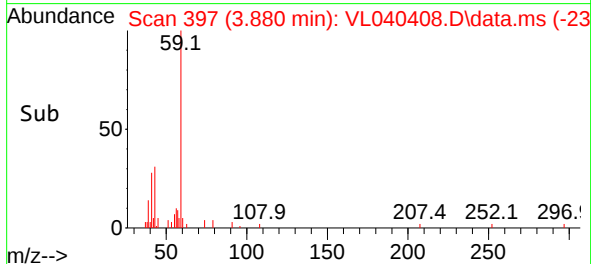
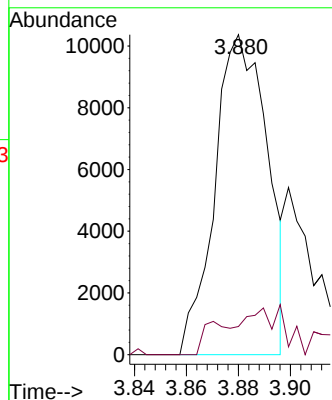
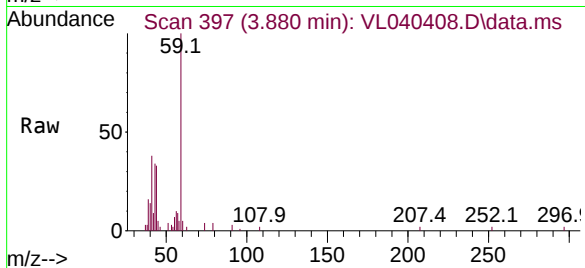
ClientSampleId :

Tgt Ion: 59 Resp: 14580

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#20

Methylene Chloride

Concen: 0.552 ppbv

RT: 3.919 min Scan# 409

Delta R.T. -0.006 min

Lab File: VL040408.D

Acq: 11 May 2023 20:02

Tgt Ion: 84 Resp: 34429

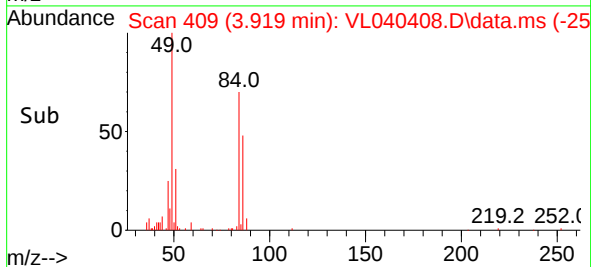
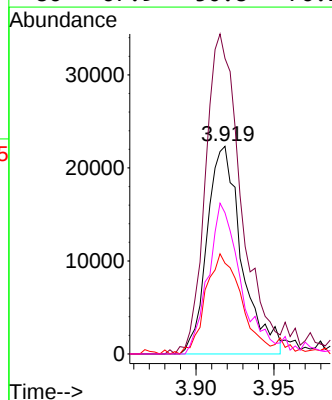
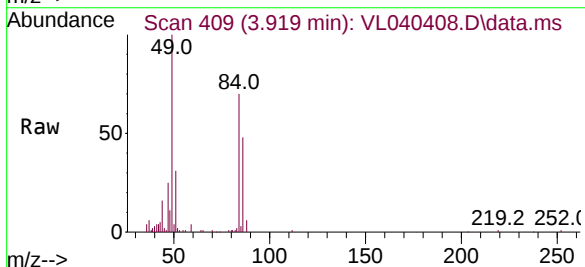
Ion Ratio Lower Upper

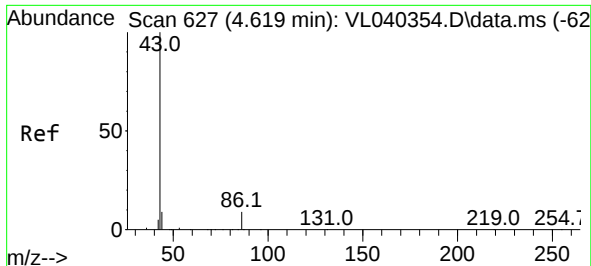
84 100

49 136.4 120.1 180.1

51 43.7 36.3 54.5

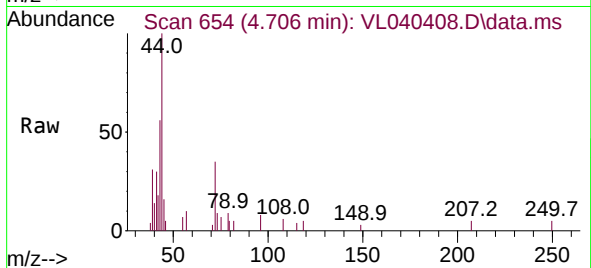
86 67.9 50.8 76.2



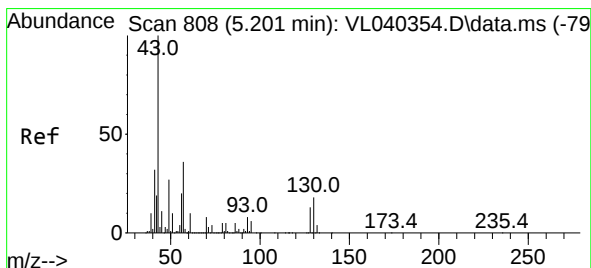
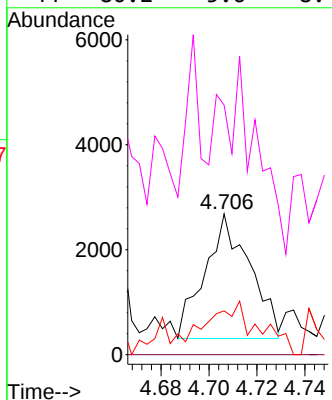
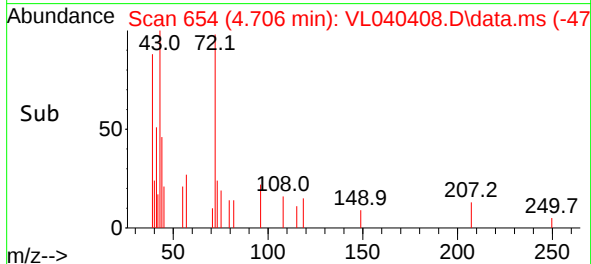


#23
 Vinyl Acetate
 Concen: 0.077 ppbv
 RT: 4.706 min Scan# 61
 Delta R.T. 0.087 min
 Lab File: VL040408.D
 Acq: 11 May 2023 20:02

Instrument :
 MSVOA_L
 ClientSampleId :

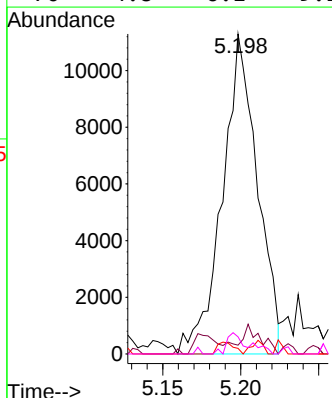
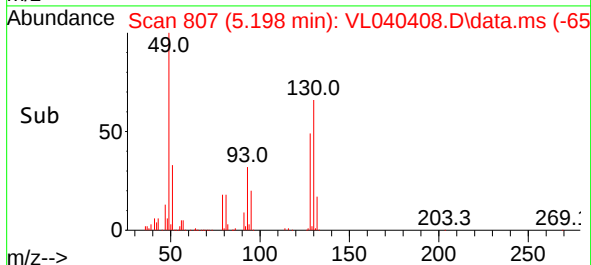
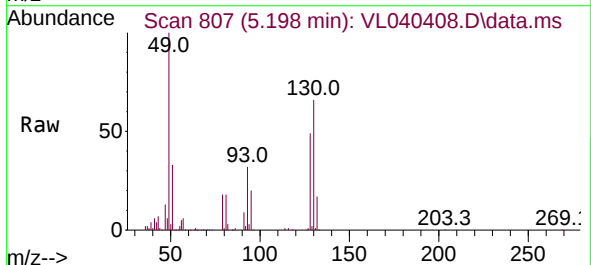


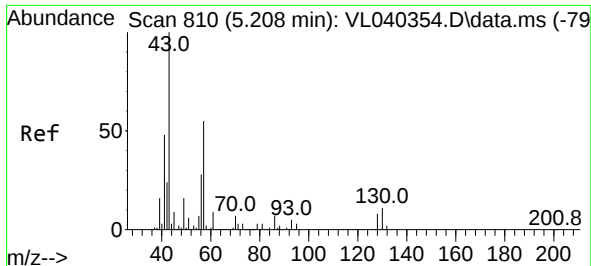
Tgt Ion: 43	Resp: 3077
Ion Ratio	Lower Upper
43 100	
86 0.0	6.0 9.0#
42 20.3	6.4 9.6#
44 80.2	5.6 8.4#



#25
 Ethyl Acetate
 Concen: 0.067 ppbv
 RT: 5.198 min Scan# 807
 Delta R.T. -0.003 min
 Lab File: VL040408.D
 Acq: 11 May 2023 20:02

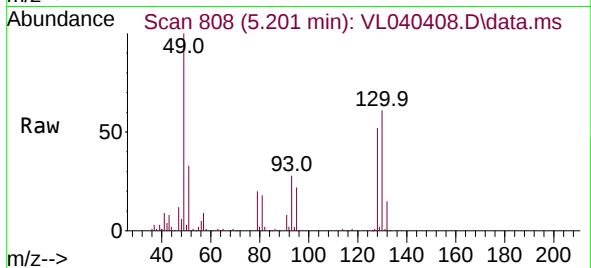
Tgt Ion: 43	Resp: 17655
Ion Ratio	Lower Upper
43 100	
45 9.6	8.5 12.7
61 0.0	8.5 12.7#
70 4.8	6.1 9.1#



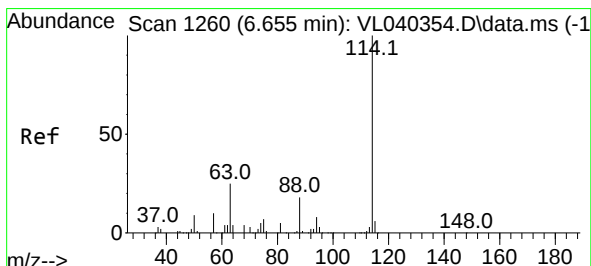
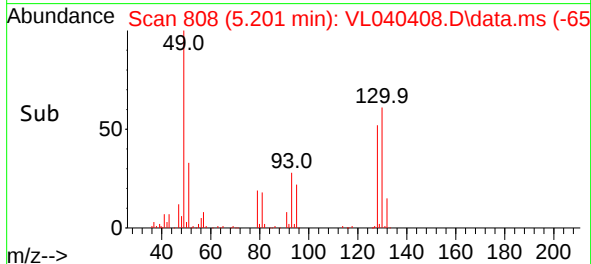
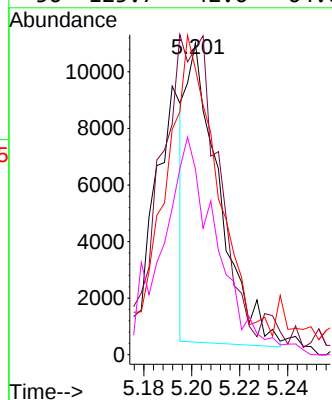


#26
Hexane
Concen: 0.092 ppbv
RT: 5.201 min Scan# 810
Delta R.T. -0.007 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

Instrument :
MSVOA_L
ClientSampleId :

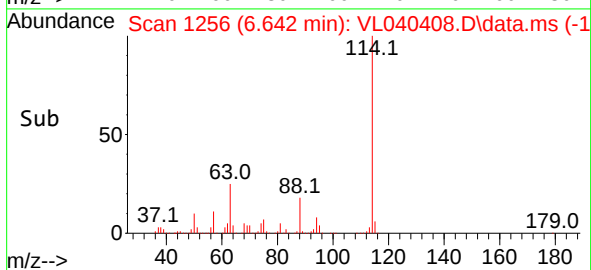
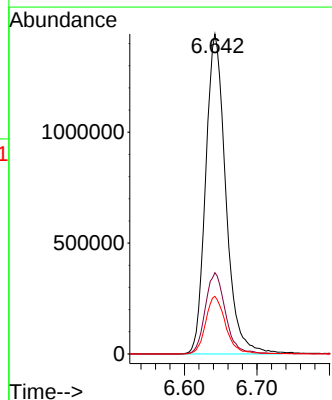
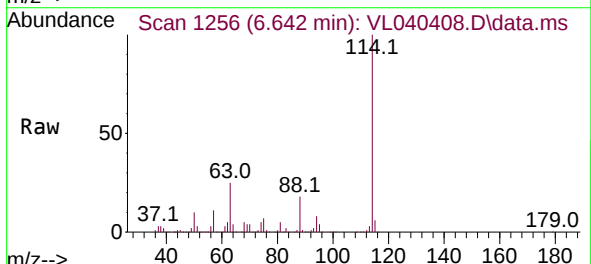


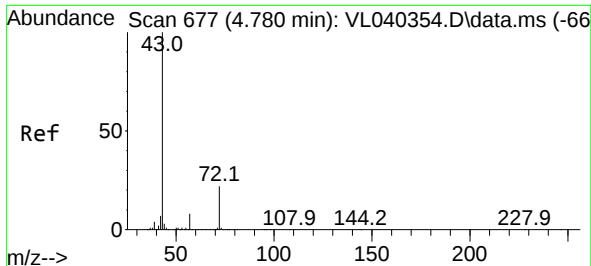
Tgt Ion: 57 Resp: 10201
Ion Ratio Lower Upper
57 100
41 205.3 74.8 112.2#
43 189.2 192.7 289.1#
56 125.7 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

Tgt Ion: 114 Resp: 2777740
Ion Ratio Lower Upper
114 100
63 25.8 21.4 32.0
88 18.0 14.6 22.0

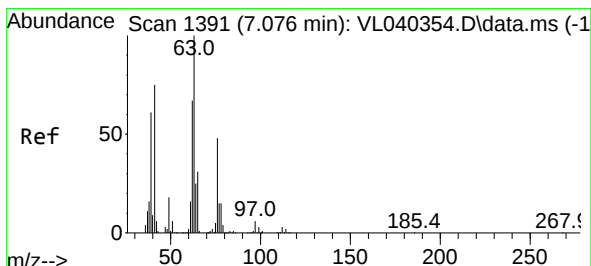
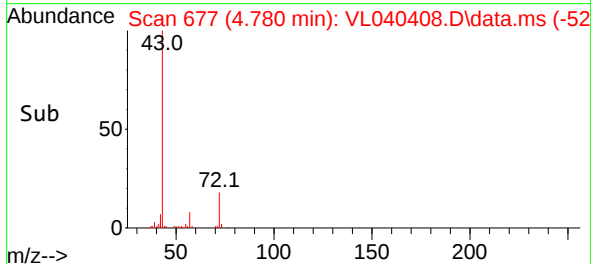
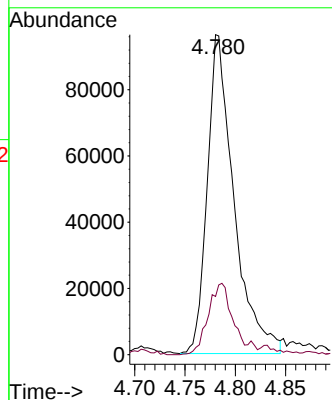
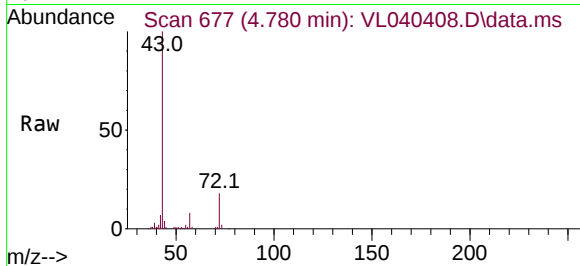




#34
2-Butanone
Concen: 1.185 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

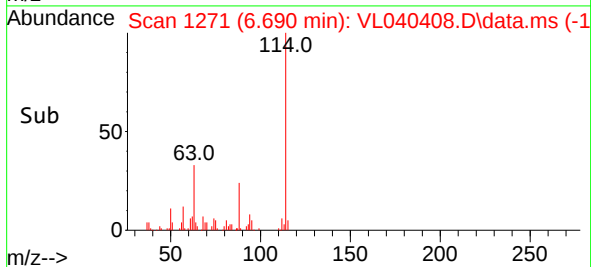
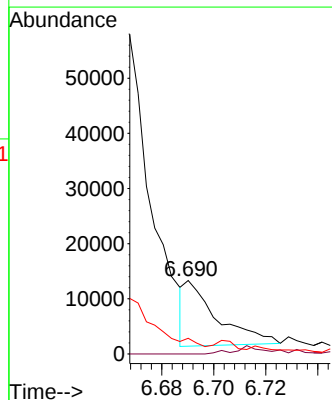
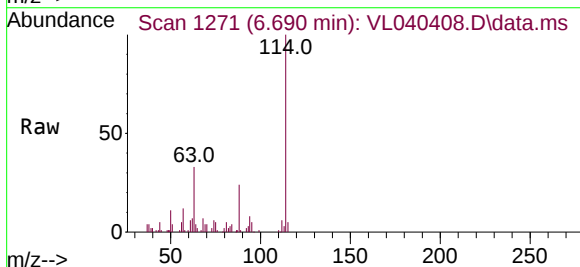
Instrument :
MSVOA_L
ClientSampleId :

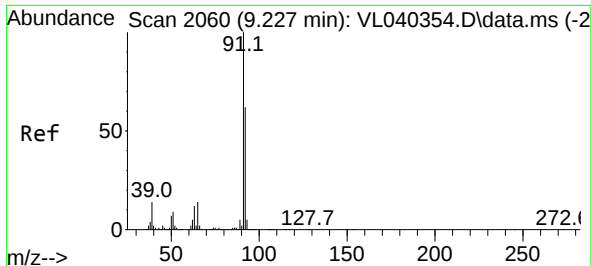
Tgt Ion: 43 Resp: 177456
Ion Ratio Lower Upper
43 100
72 23.9 18.4 27.6



#39
1,2-Dichloropropane
Concen: 0.115 ppbv
RT: 6.690 min Scan# 1271
Delta R.T. -0.386 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

Tgt Ion: 63 Resp: 10294
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 18.7 53.9 80.9#

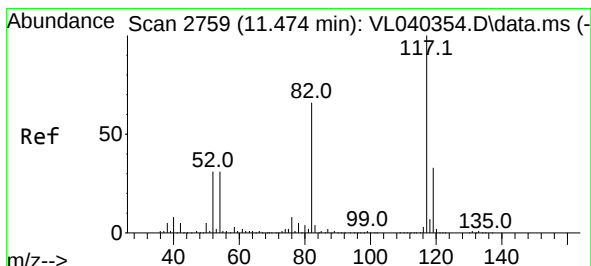
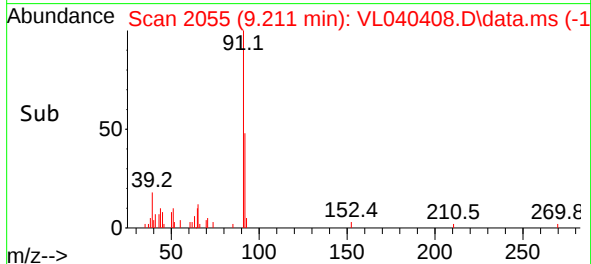
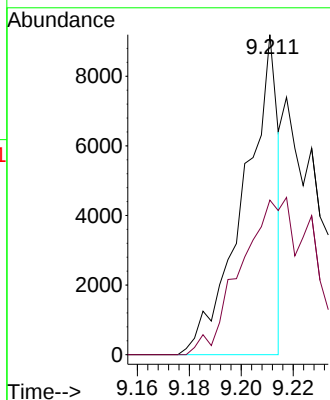
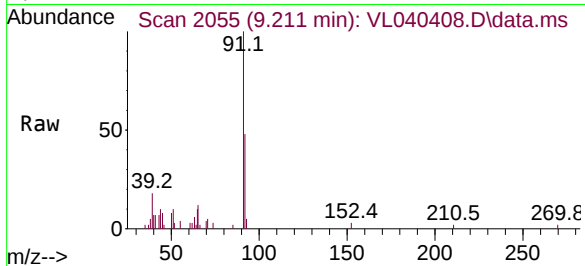




#53
Toluene
Concen: 0.035 ppbv
RT: 9.211 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

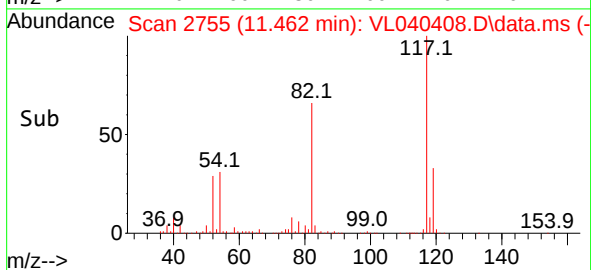
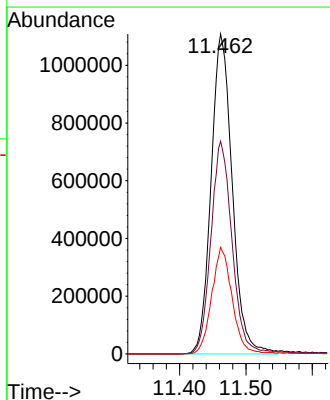
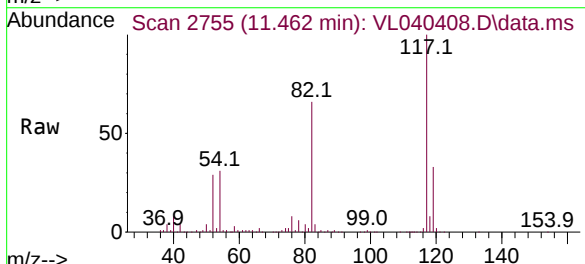
Instrument :
MSVOA_L
ClientSampleId :

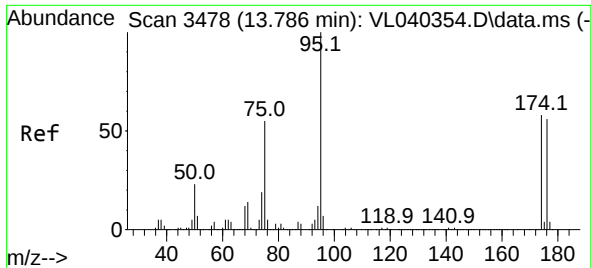
Tgt Ion: 91 Resp: 8466
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.012 min
Lab File: VL040408.D
Acq: 11 May 2023 20:02

Tgt Ion: 117 Resp: 2462321
Ion Ratio Lower Upper
117 100
82 67.5 52.5 78.7
119 32.4 24.3 36.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.422 ppbv

RT: 13.777 min Scan# 34

Delta R.T. -0.009 min MSVOA_L

Lab File: VL040408.D

Acq: 11 May 2023 20:02

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 95 Resp: 1918521

Ion Ratio Lower Upper

95 100

174 60.8 47.2 70.8

175 4.3 3.5 5.3

