

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042233.D
 Acq On : 07 Apr 2025 13:31
 Operator : SY/MD
 Sample : Q1725-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-2-04012025

Quant Time: Apr 08 01:31:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

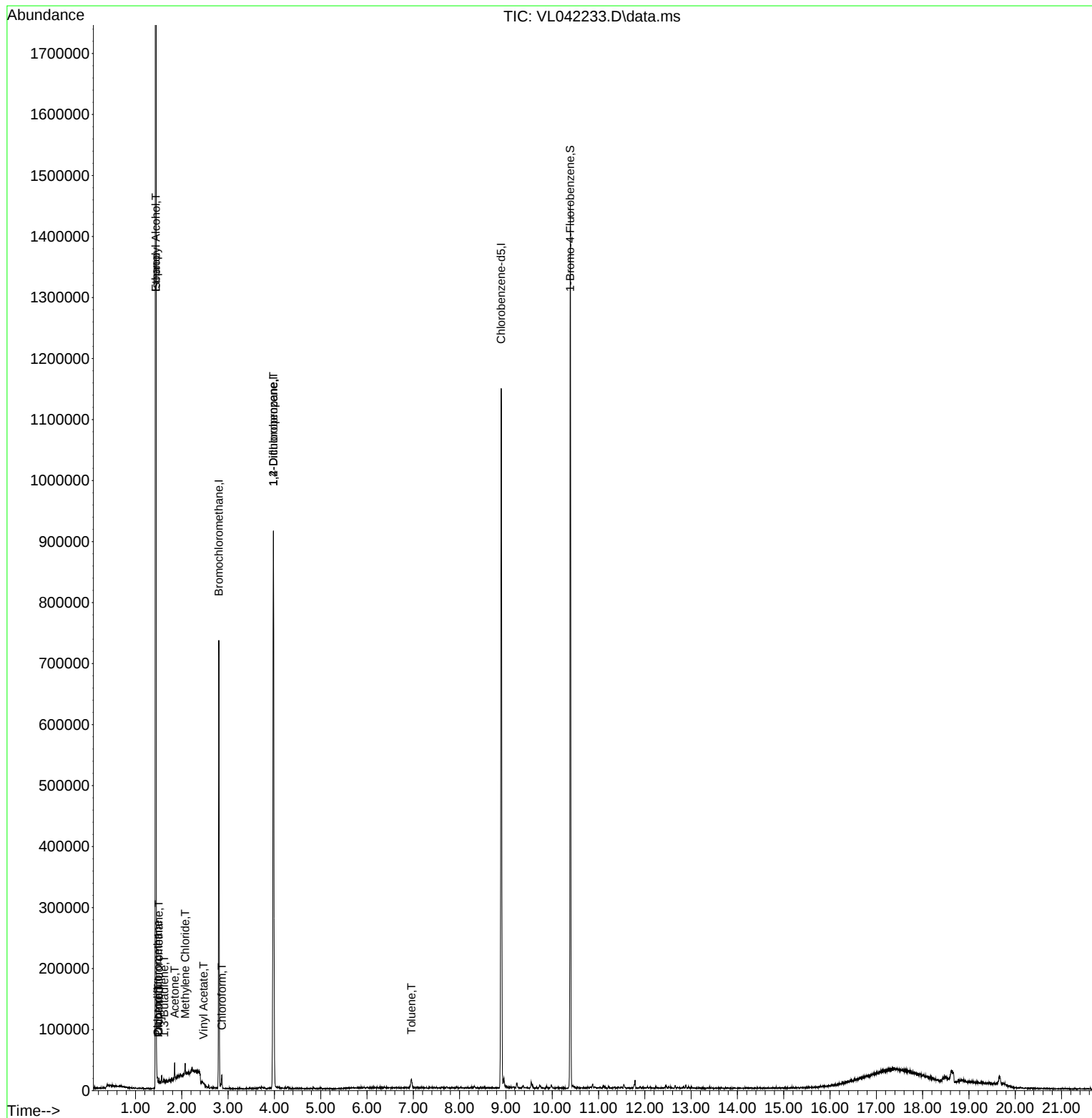
Internal Standards						
1) Bromochloromethane	2.800	49	197622	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	529466	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.898	117	455662	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	358673	9.585	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1275	0.044	ppbv #	85
3) Chlorodifluoromethane	1.483	51	1234	0.041	ppbv #	73
9) Propene	1.492	41	593	0.043	ppbv #	1
13) Ethanol	1.440	45	187971	145.537	ppbv #	27
15) Acetone	1.845	43	10315	0.373	ppbv	91
16) 1,3-Butadiene	1.618	39	470	0.035	ppbv #	11
19) Isopropyl Alcohol	1.440	45	187971	12.054	ppbv #	30
20) Methylene Chloride	2.072	84	2768	0.269	ppbv #	93
23) Vinyl Acetate	2.470	43	1068	0.089	ppbv #	30
29) Chloroform	2.865	83	8243	0.203	ppbv	91
39) 1,2-Dichloropropane	3.978	63	136394	7.135	ppbv #	22
53) Toluene	6.959	91	8156	0.131	ppbv #	72

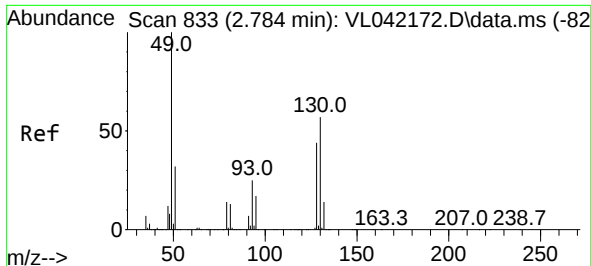
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 08 01:31:41 2025
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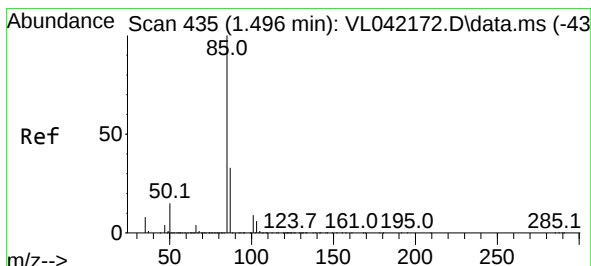
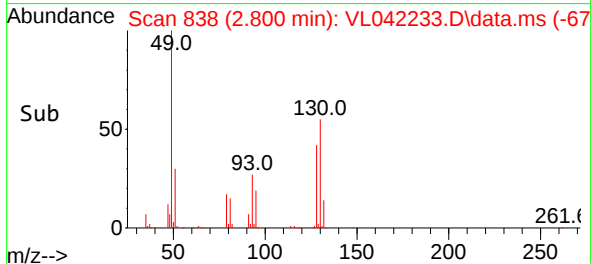
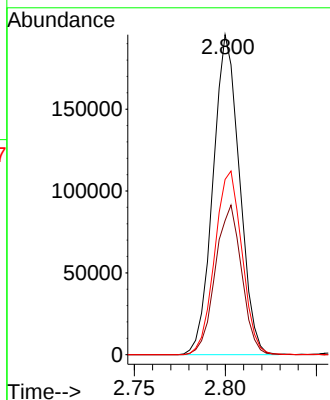
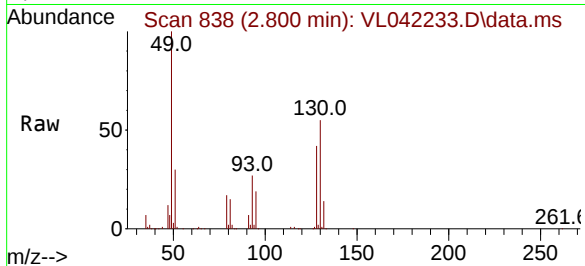




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.800 min Scan# 81
 Delta R.T. 0.016 min
 Lab File: VL042233.D
 Acq: 07 Apr 2025 13:31

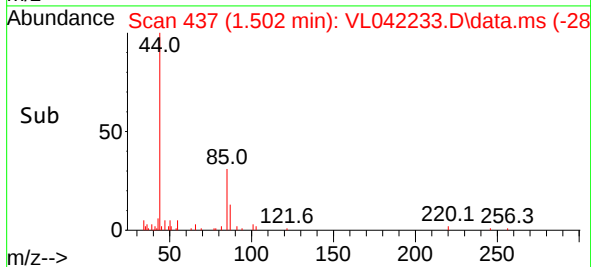
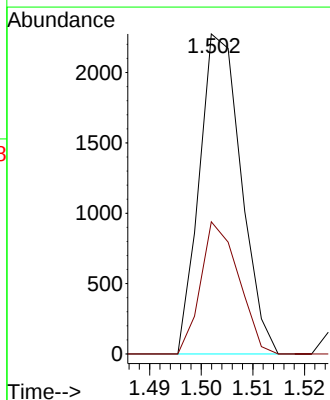
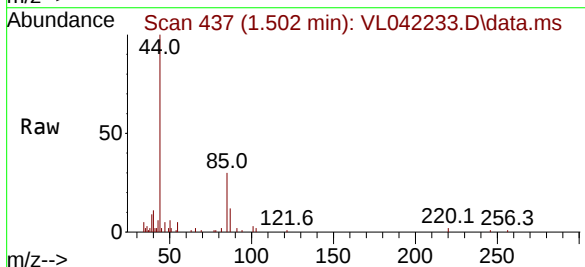
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-2-04012025

Tgt Ion: 49 Resp: 197622
 Ion Ratio Lower Upper
 49 100
 128 46.5 22.9 68.5
 130 59.1 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.044 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.006 min
 Lab File: VL042233.D
 Acq: 07 Apr 2025 13:31

Tgt Ion: 85 Resp: 1275
 Ion Ratio Lower Upper
 85 100
 87 41.3 26.1 39.1#

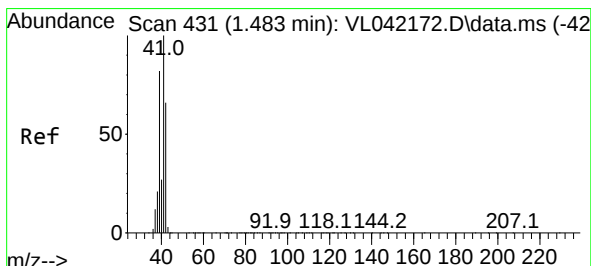
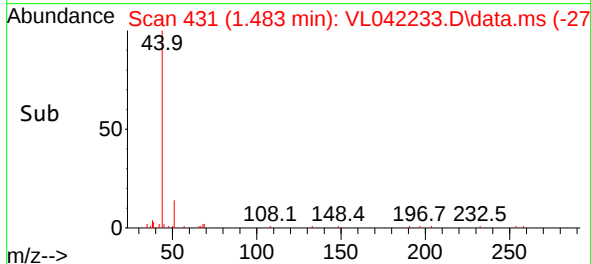
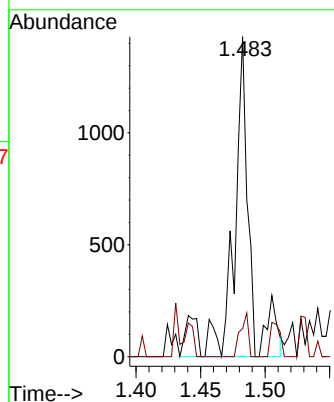
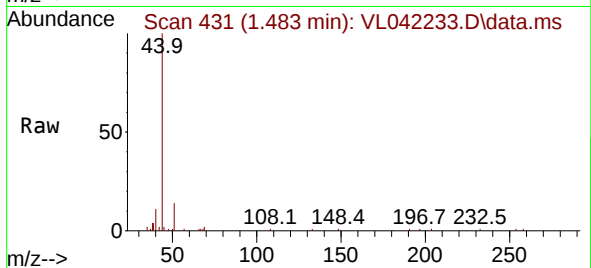




#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.009 min
Lab File: VL042233.D
Acq: 07 Apr 2025 13:31

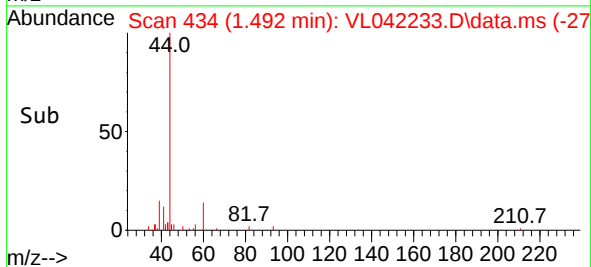
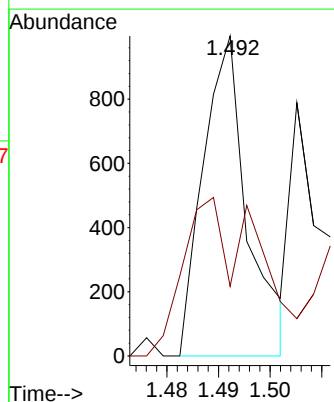
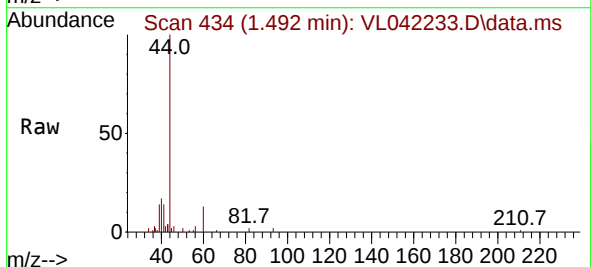
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

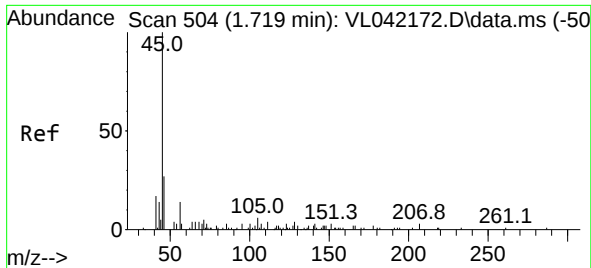
Tgt Ion: 51 Resp: 1234
Ion Ratio Lower Upper
51 100
67 6.7 15.0 22.6#



#9
Propene
Concen: 0.043 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.009 min
Lab File: VL042233.D
Acq: 07 Apr 2025 13:31

Tgt Ion: 41 Resp: 593
Ion Ratio Lower Upper
41 100
42 161.2 55.4 83.2#

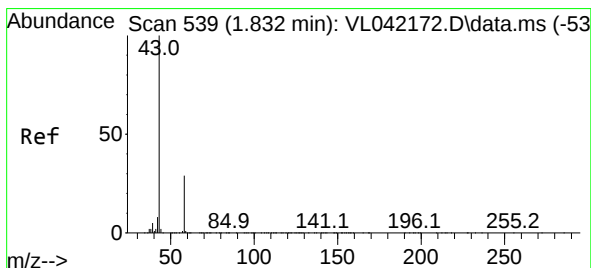
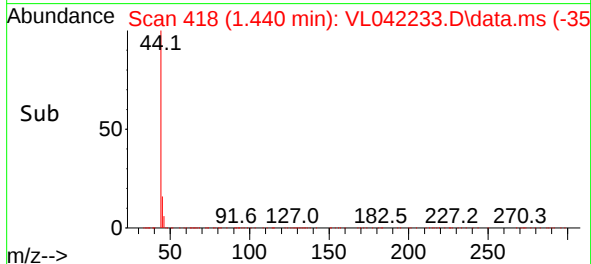
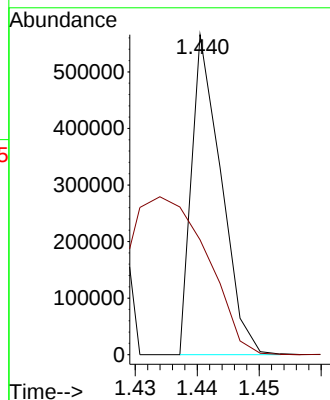
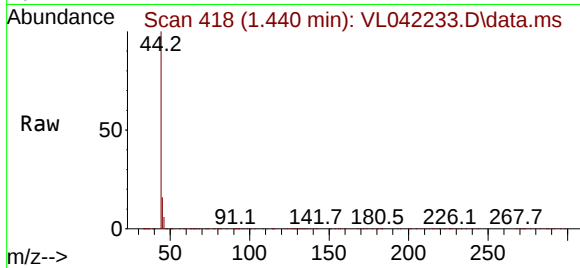




#13
 Ethanol
 Concen: 145.537 ppbv
 RT: 1.440 min Scan# 41
 Delta R.T. -0.279 min
 Lab File: VL042233.D
 Acq: 07 Apr 2025 13:31

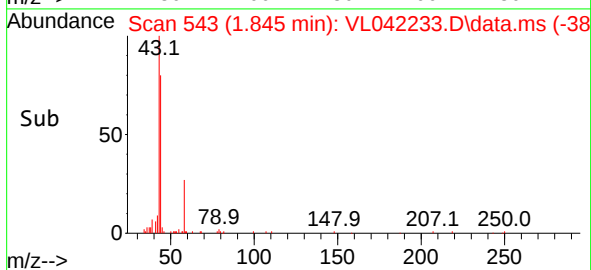
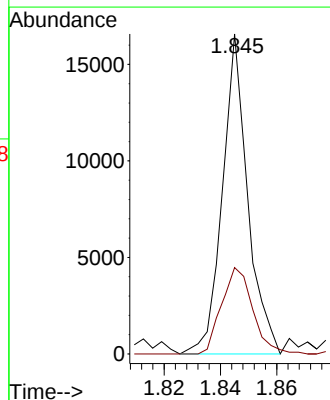
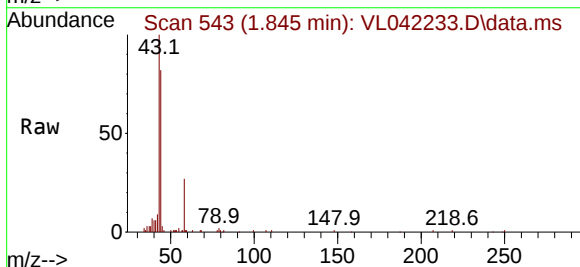
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-2-04012025

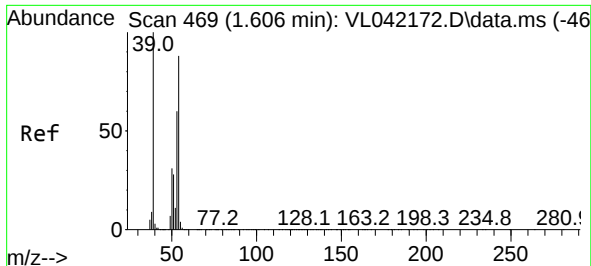
Tgt Ion: 45 Resp: 187971
 Ion Ratio Lower Upper
 45 100
 46 0.0 20.2 80.8#



#15
 Acetone
 Concen: 0.373 ppbv
 RT: 1.845 min Scan# 543
 Delta R.T. 0.013 min
 Lab File: VL042233.D
 Acq: 07 Apr 2025 13:31

Tgt Ion: 43 Resp: 10315
 Ion Ratio Lower Upper
 43 100
 58 33.8 23.2 34.8

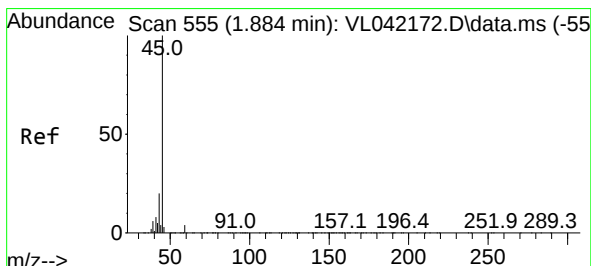
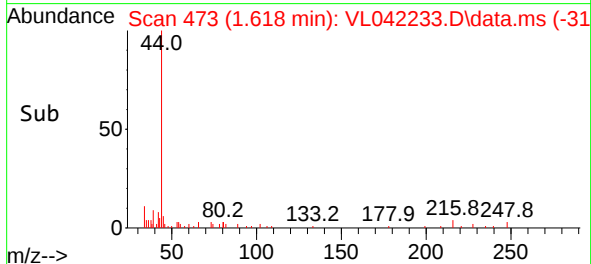
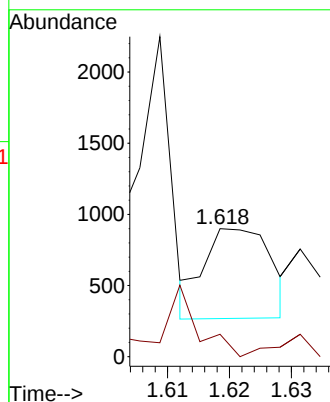
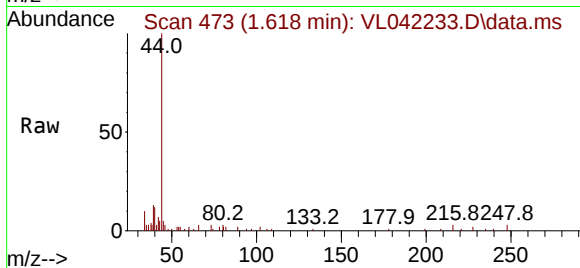




#16
1,3-Butadiene
Concen: 0.035 ppbv
RT: 1.618 min Scan# 418
Delta R.T. 0.013 min
Lab File: VL042233.D
Acq: 07 Apr 2025 13:31

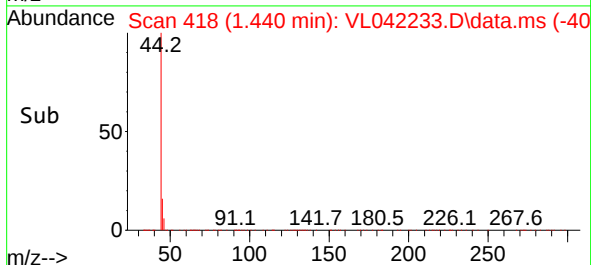
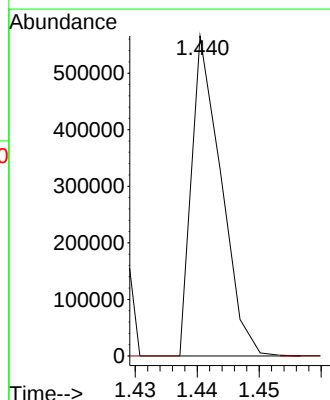
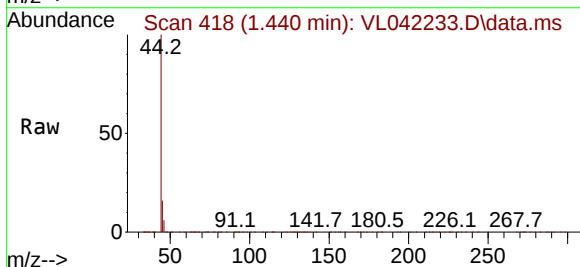
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

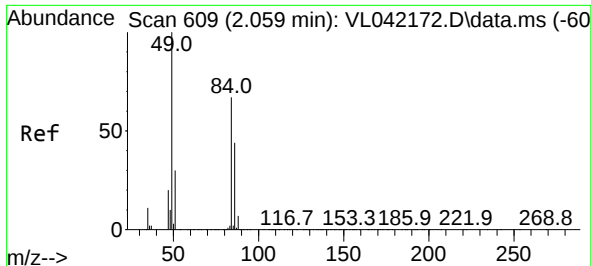
Tgt Ion: 39 Resp: 470
Ion Ratio Lower Upper
39 100
54 0.0 60.7 91.1#



#19
Isopropyl Alcohol
Concen: 12.054 ppbv
RT: 1.440 min Scan# 418
Delta R.T. -0.444 min
Lab File: VL042233.D
Acq: 07 Apr 2025 13:31

Tgt Ion: 45 Resp: 187971
Ion Ratio Lower Upper
45 100
58 0.1 36.9 55.3#





#20

Methylene Chloride

Concen: 0.269 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.013 min

Lab File: VL042233.D

Acq: 07 Apr 2025 13:31

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B1-2-04012025

Tgt Ion: 84 Resp: 2768

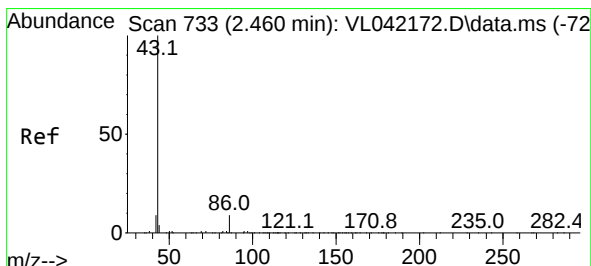
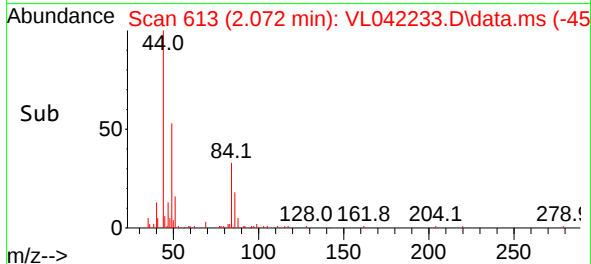
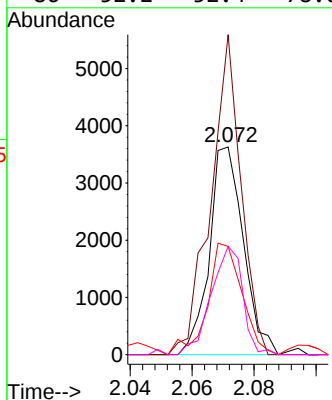
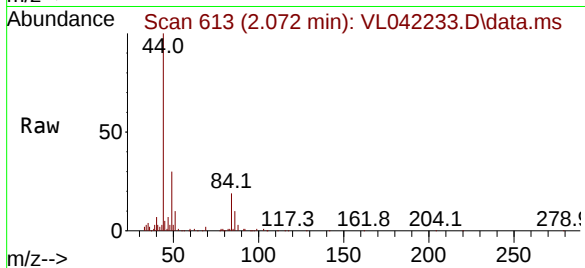
Ion Ratio Lower Upper

84 100

49 154.1 120.2 180.4

51 49.5 37.4 56.0

86 52.2 52.4 78.6#



#23

Vinyl Acetate

Concen: 0.089 ppbv

RT: 2.470 min Scan# 736

Delta R.T. 0.009 min

Lab File: VL042233.D

Acq: 07 Apr 2025 13:31

Tgt Ion: 43 Resp: 1068

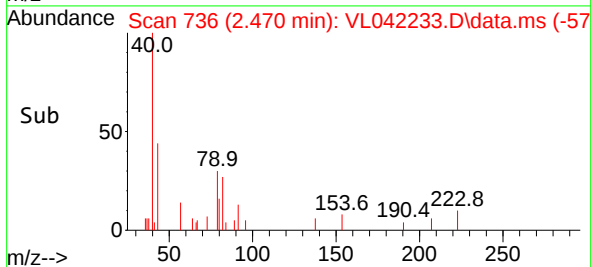
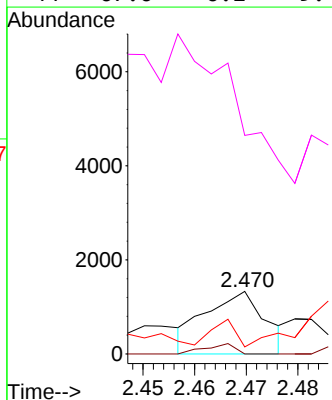
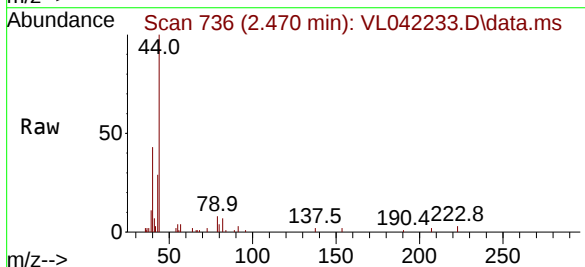
Ion Ratio Lower Upper

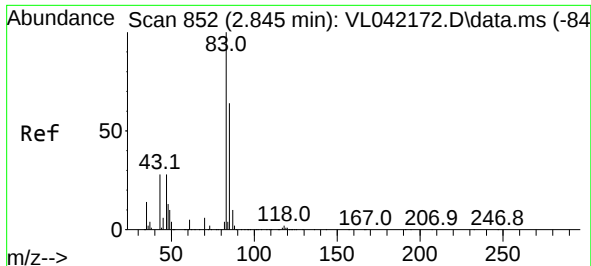
43 100

86 0.0 5.5 8.3#

42 0.0 8.6 13.0#

44 67.6 6.2 9.4#





#29

Chloroform

Concen: 0.203 ppbv

RT: 2.865 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042233.D

Acq: 07 Apr 2025 13:31

Instrument :

MSVOA_L

ClientSampleId :

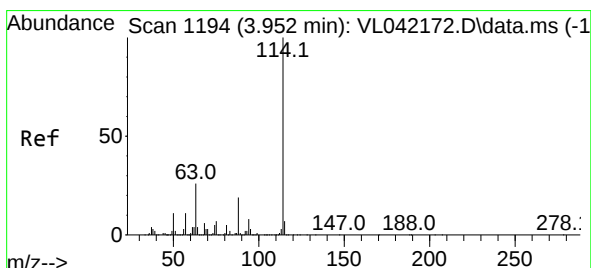
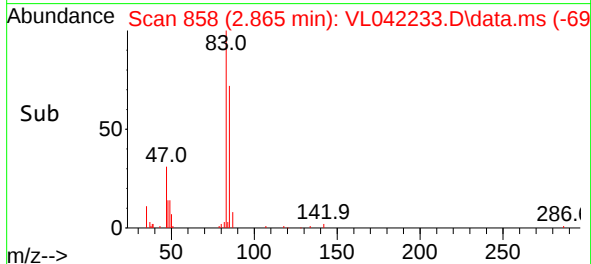
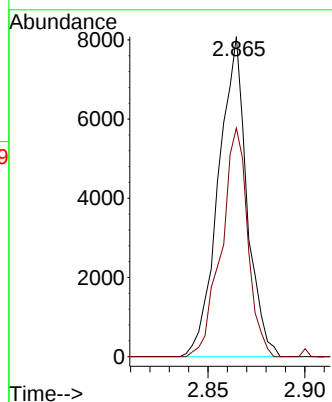
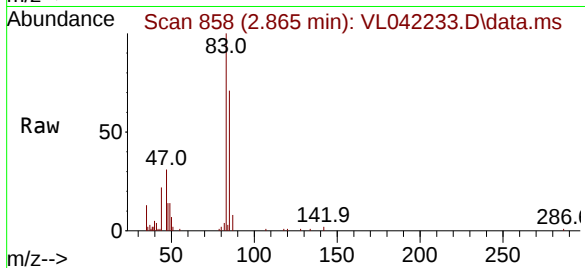
SSSG-B1-2-04012025

Tgt Ion: 83 Resp: 8243

Ion Ratio Lower Upper

83 100

85 71.4 51.4 77.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1202

Delta R.T. 0.026 min

Lab File: VL042233.D

Acq: 07 Apr 2025 13:31

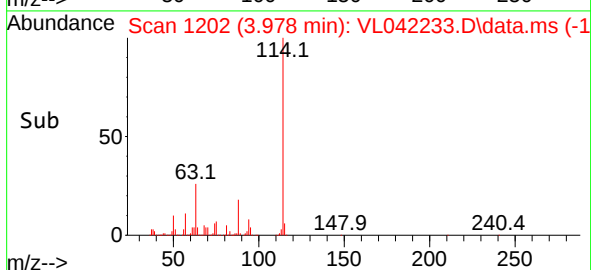
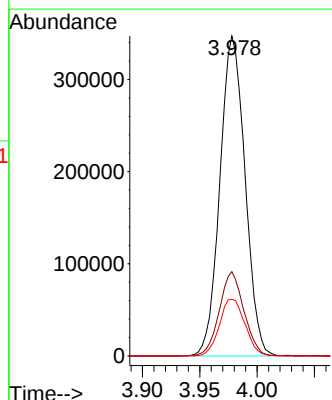
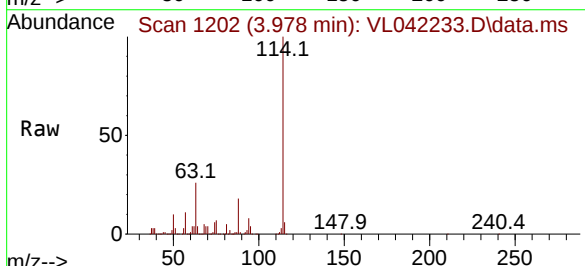
Tgt Ion: 114 Resp: 529466

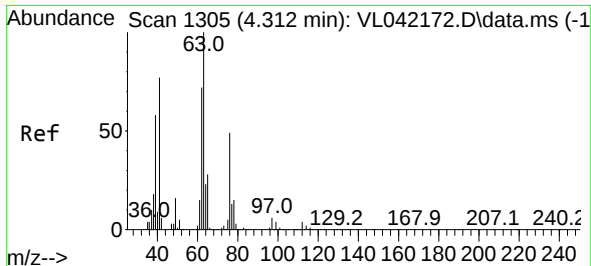
Ion Ratio Lower Upper

114 100

63 25.8 20.7 31.1

88 18.0 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.135 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.334 min

Lab File: VL042233.D

Acq: 07 Apr 2025 13:31

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B1-2-04012025

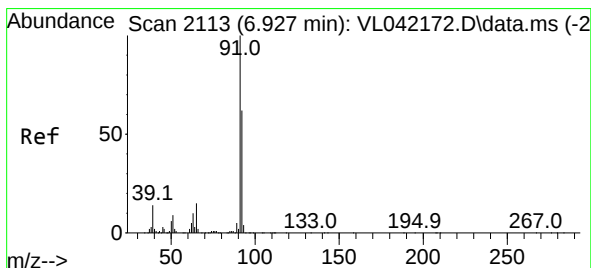
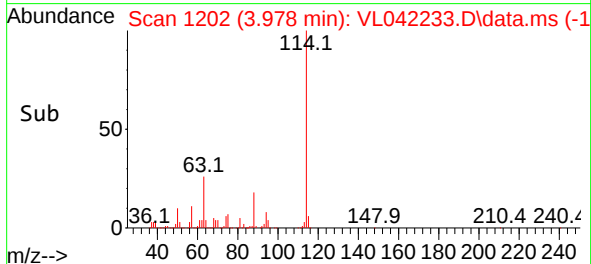
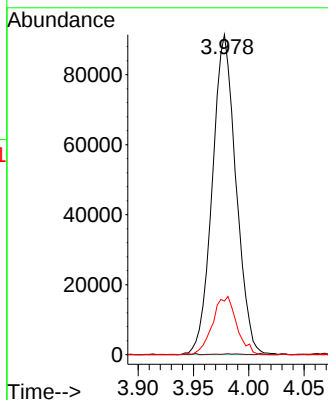
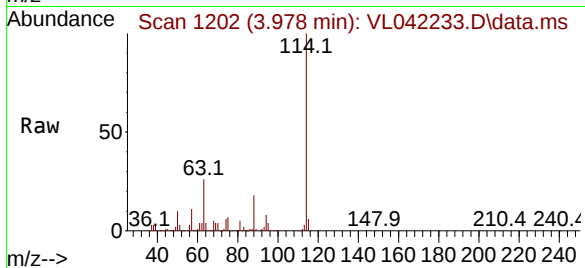
Tgt Ion: 63 Resp: 136394

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 16.7 57.6 86.4#



#53

Toluene

Concen: 0.131 ppbv

RT: 6.959 min Scan# 2123

Delta R.T. 0.032 min

Lab File: VL042233.D

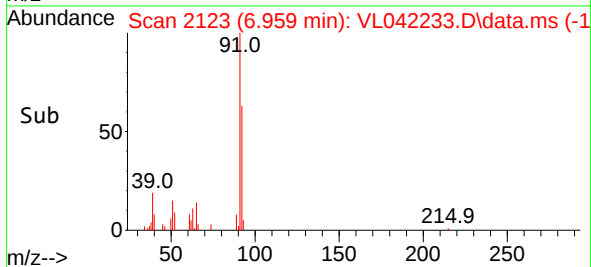
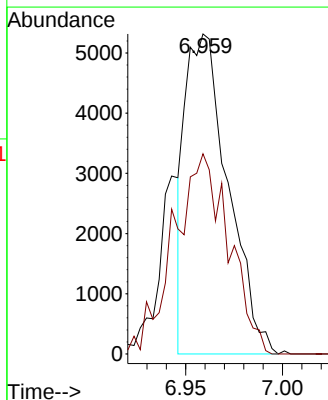
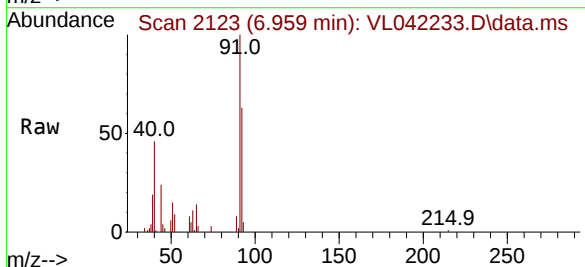
Acq: 07 Apr 2025 13:31

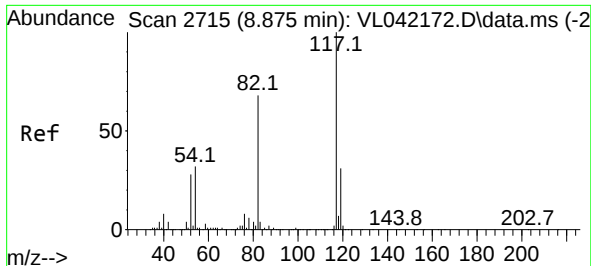
Tgt Ion: 91 Resp: 8156

Ion Ratio Lower Upper

91 100

92 81.6 48.4 72.6#

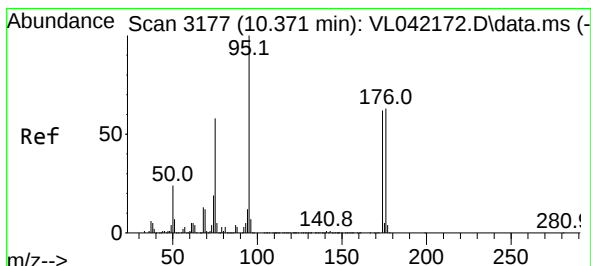
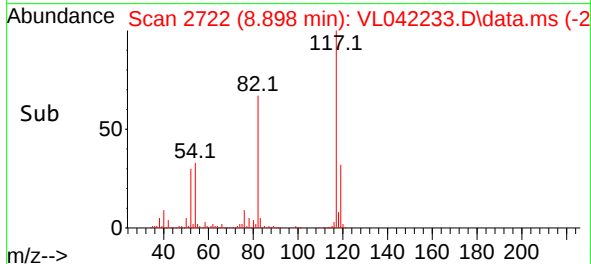
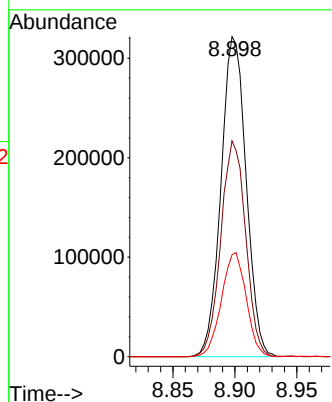
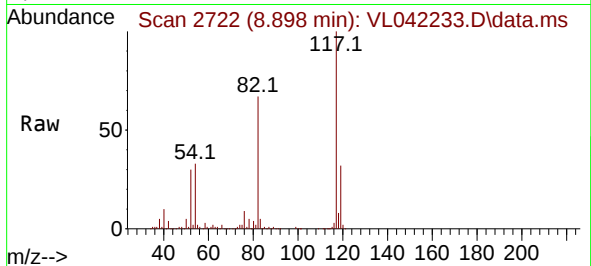




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042233.D
Acq: 07 Apr 2025 13:31

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:117 Resp: 455662
Ion Ratio Lower Upper
117 100
82 66.7 55.8 83.6
119 32.2 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.585 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.019 min
Lab File: VL042233.D
Acq: 07 Apr 2025 13:31

Tgt Ion: 95 Resp: 358673
Ion Ratio Lower Upper
95 100
174 59.9 50.6 76.0
175 4.3 3.8 5.6

