

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042243.D
 Acq On : 07 Apr 2025 21:38
 Operator : SY/MD
 Sample : Q1725-02DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025DL2

Quant Time: Apr 08 01:36:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

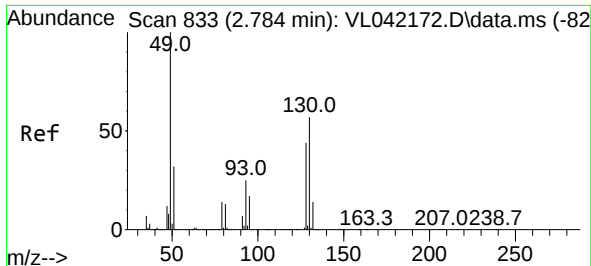
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.810	49	196689	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.988	114	503068	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	430861	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	329790	9.321	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%
Target Compounds						
					Qvalue	
9) Propene	1.495	41	1609	0.118	ppbv	98
13) Ethanol	1.900	45	12074	9.393	ppbv #	27
15) Acetone	1.848	43	29249	1.063	ppbv	95
16) 1,3-Butadiene	1.609	39	1511	0.112	ppbv #	37
18) 1,1-Dichloroethene	2.052	96	464	0.043	ppbv #	40
19) Isopropyl Alcohol	1.900	45	12074	0.778	ppbv #	35
20) Methylene Chloride	2.078	84	1917	0.187	ppbv #	88
29) Chloroform	2.871	83	482007	11.943	ppbv	99
30) Cyclohexane	3.981	84	1101	0.046	ppbv #	1
35) Carbon Tetrachloride	3.793	117	2216	0.056	ppbv #	74
39) 1,2-Dichloropropane	3.988	63	130575	7.189	ppbv #	22

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

Quant Time: Apr 08 01:36:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

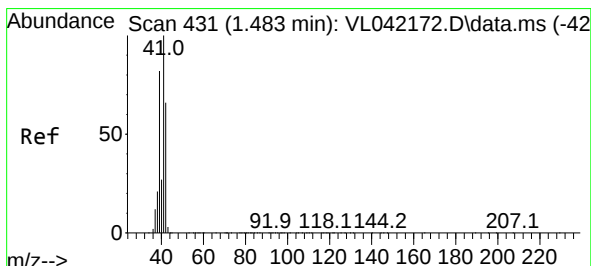
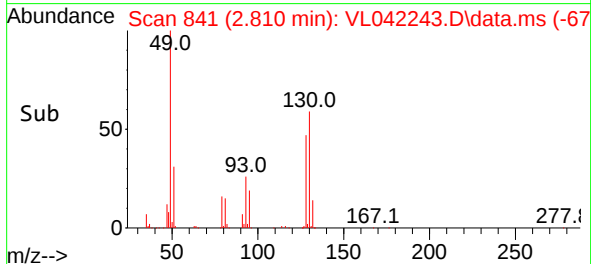
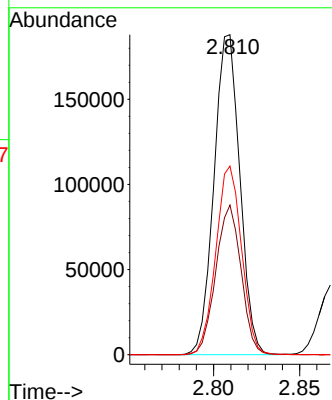
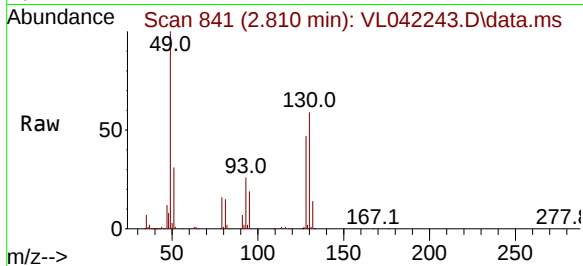




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.026 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

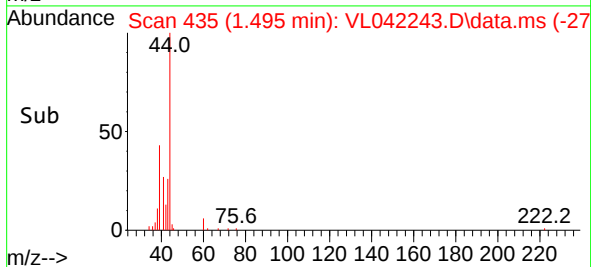
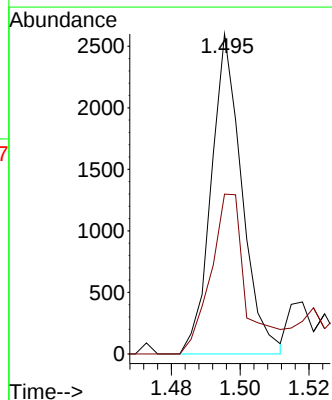
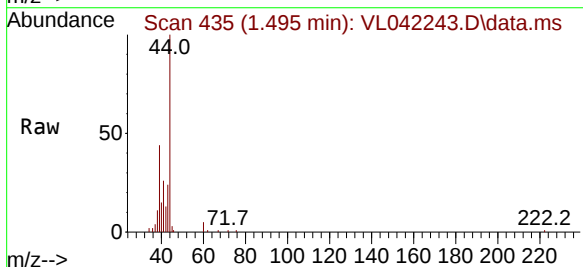
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-4-04012025DL2

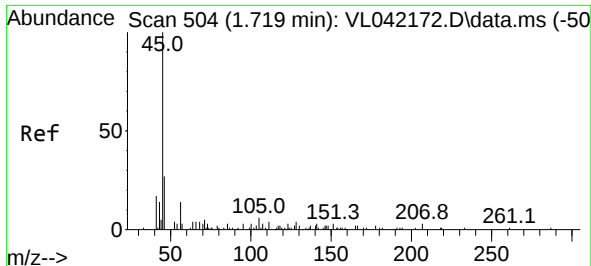
Tgt Ion: 49 Resp: 196689
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 58.7 28.8 86.4



#9
Propene
Concen: 0.118 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 41 Resp: 1609
Ion Ratio Lower Upper
41 100
42 70.7 55.4 83.2

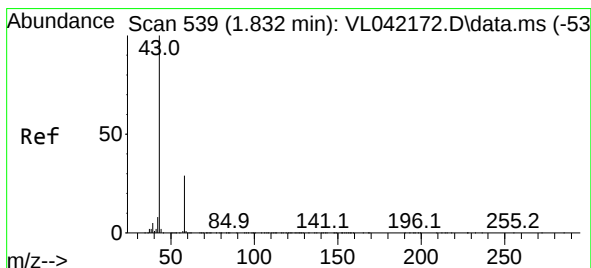
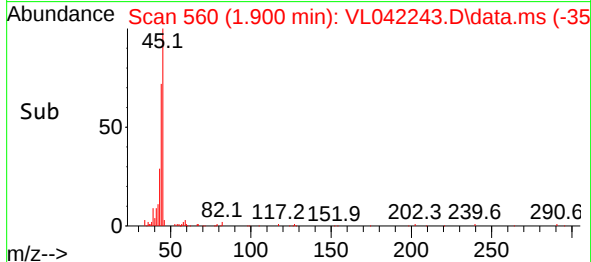
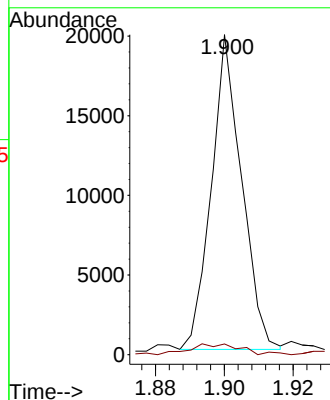
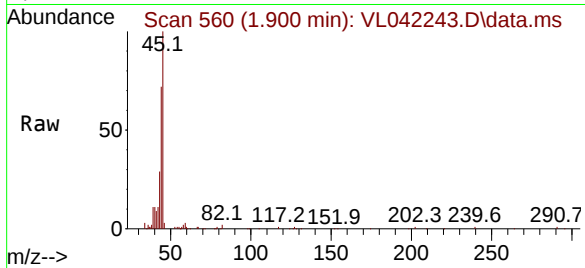




#13
 Ethanol
 Concen: 9.393 ppbv
 RT: 1.900 min Scan# 504
 Delta R.T. 0.181 min
 Lab File: VL042243.D
 Acq: 07 Apr 2025 21:38

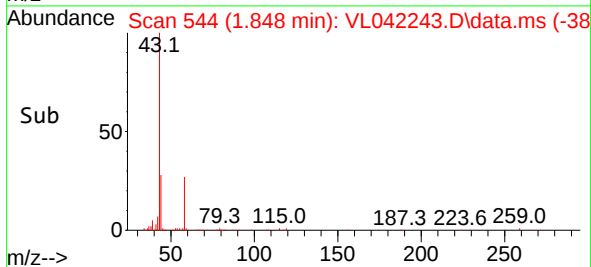
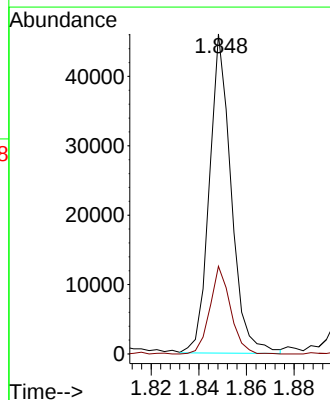
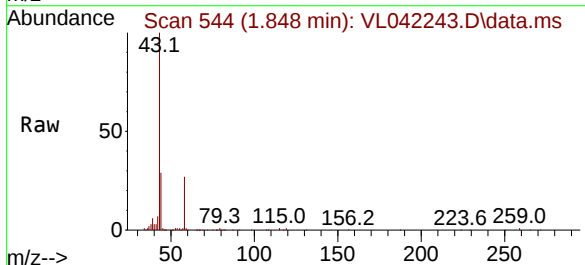
Instrument :
 MSVOA_1
 ClientSampleId :
 SSSG-B10-4-04012025DL2

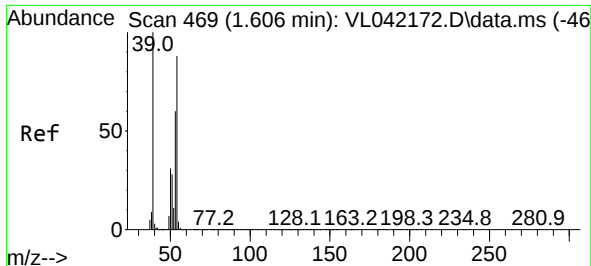
Tgt Ion: 45 Resp: 12074
 Ion Ratio Lower Upper
 45 100
 46 0.0 20.2 80.8#



#15
 Acetone
 Concen: 1.063 ppbv
 RT: 1.848 min Scan# 544
 Delta R.T. 0.016 min
 Lab File: VL042243.D
 Acq: 07 Apr 2025 21:38

Tgt Ion: 43 Resp: 29249
 Ion Ratio Lower Upper
 43 100
 58 26.1 23.2 34.8

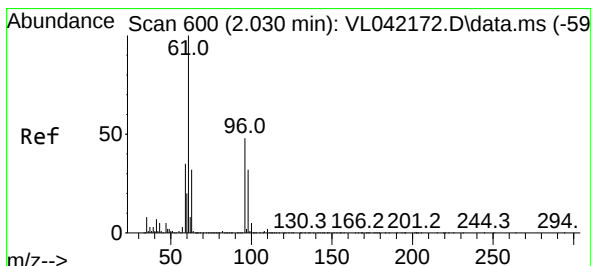
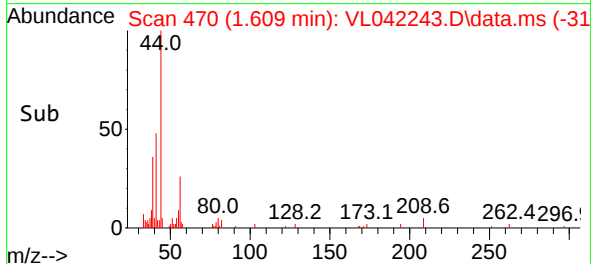
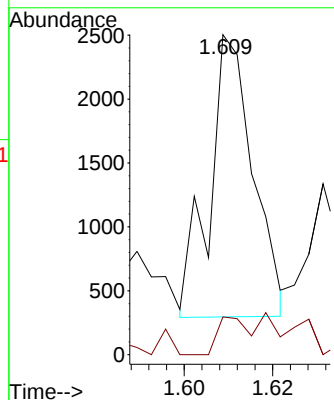
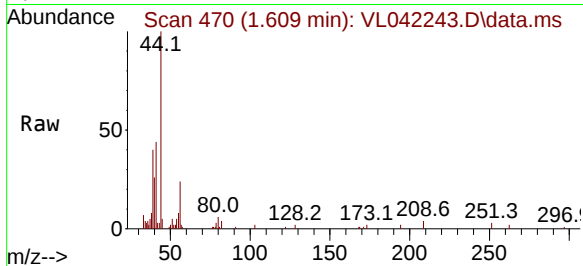




#16
1,3-Butadiene
Concen: 0.112 ppbv
RT: 1.609 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

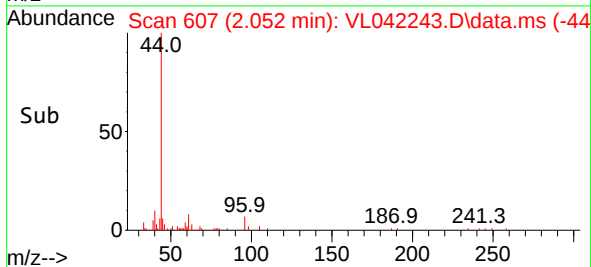
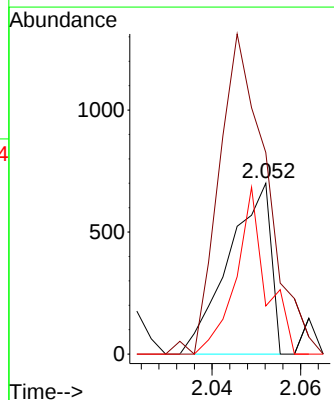
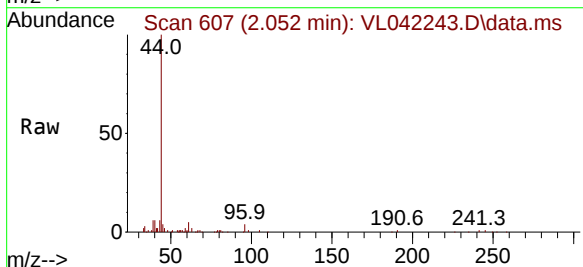
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

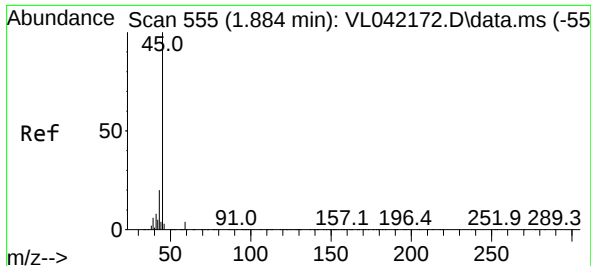
Tgt Ion: 39 Resp: 1511
Ion Ratio Lower Upper
39 100
54 21.6 60.7 91.1#



#18
1,1-Dichloroethene
Concen: 0.043 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.022 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 96 Resp: 464
Ion Ratio Lower Upper
96 100
61 110.6 167.6 251.4#
98 28.1 53.5 80.3#

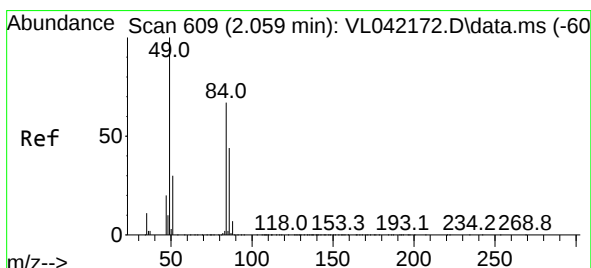
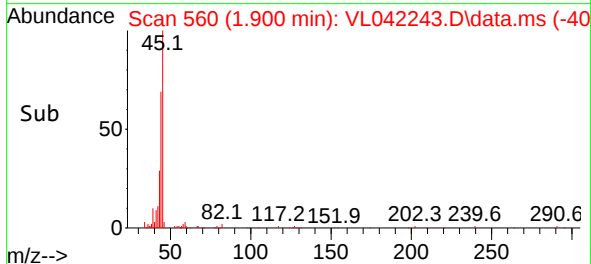
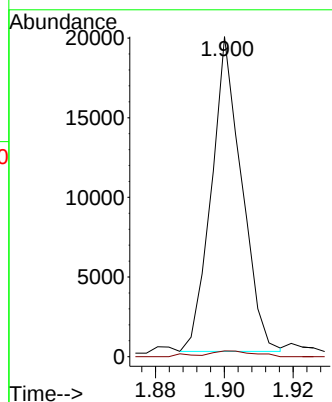
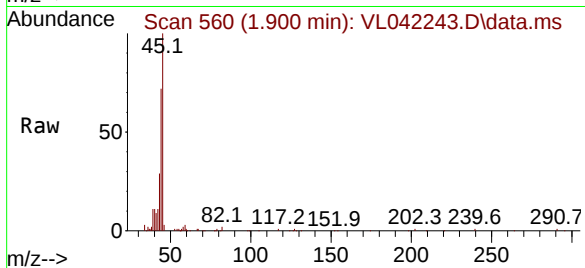




#19
Isopropyl Alcohol
Concen: 0.778 ppbv
RT: 1.900 min Scan# 511
Delta R.T. 0.016 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

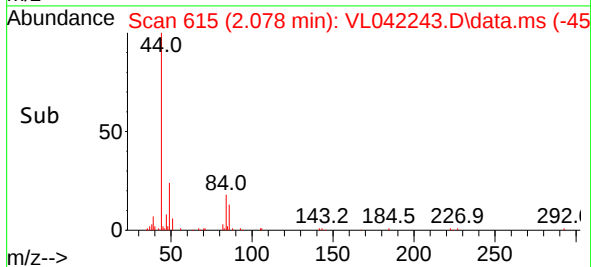
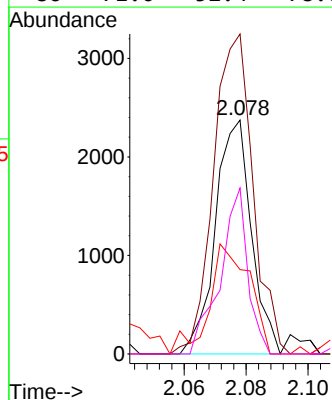
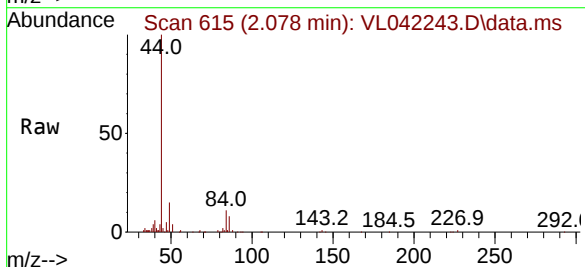
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

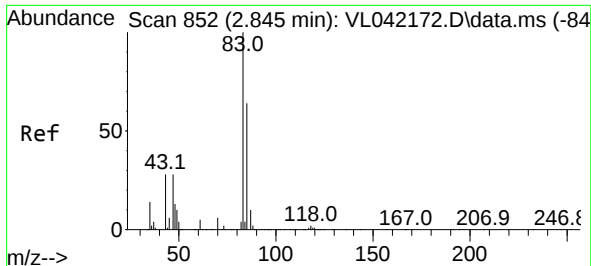
Tgt Ion: 45 Resp: 12074
Ion Ratio Lower Upper
45 100
58 3.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.187 ppbv
RT: 2.078 min Scan# 615
Delta R.T. 0.019 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 84 Resp: 1917
Ion Ratio Lower Upper
84 100
49 133.7 120.2 180.4
51 36.1 37.4 56.0#
86 71.0 52.4 78.6





#29

Chloroform

Concen: 11.943 ppbv

RT: 2.871 min Scan# 8

Delta R.T. 0.026 min

Lab File: VL042243.D

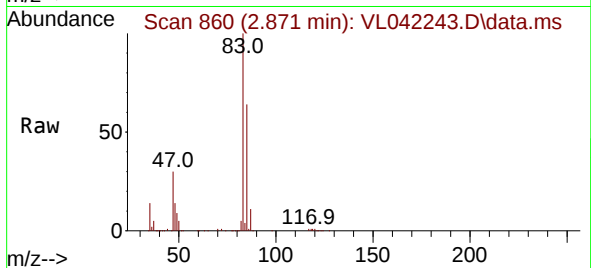
Acq: 07 Apr 2025 21:38

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B10-4-04012025DL2

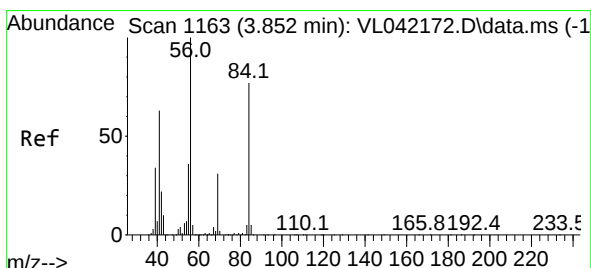
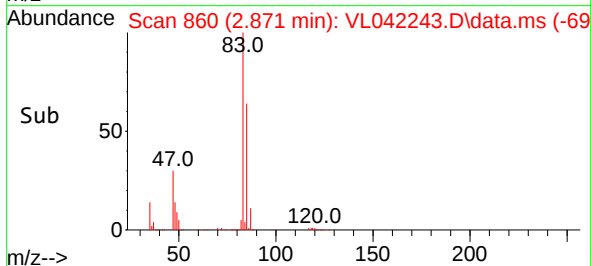
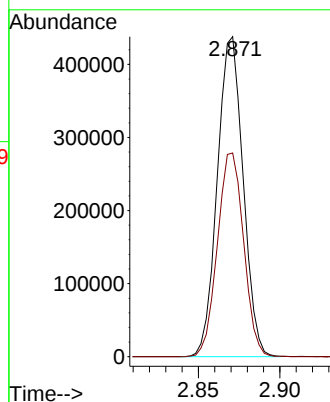


Tgt Ion: 83 Resp: 482007

Ion Ratio Lower Upper

83 100

85 63.7 51.4 77.2



#30

Cyclohexane

Concen: 0.046 ppbv

RT: 3.981 min Scan# 1203

Delta R.T. 0.129 min

Lab File: VL042243.D

Acq: 07 Apr 2025 21:38

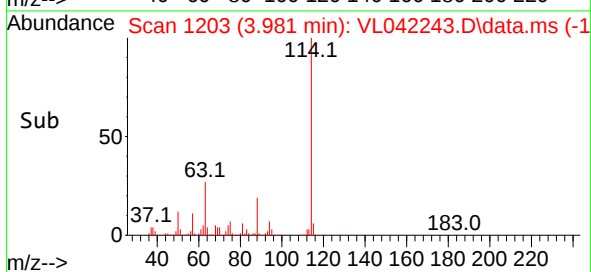
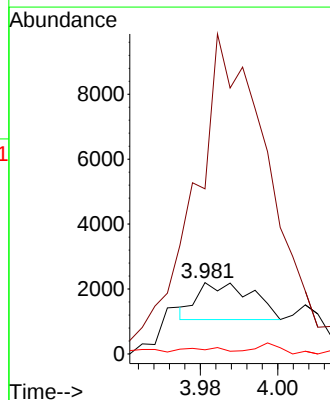
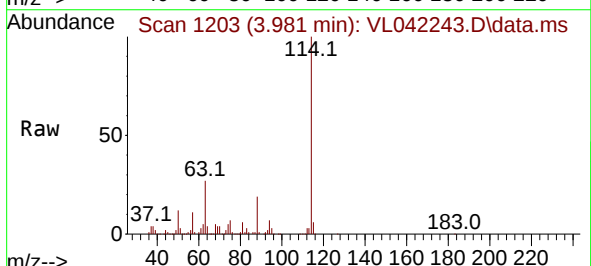
Tgt Ion: 84 Resp: 1101

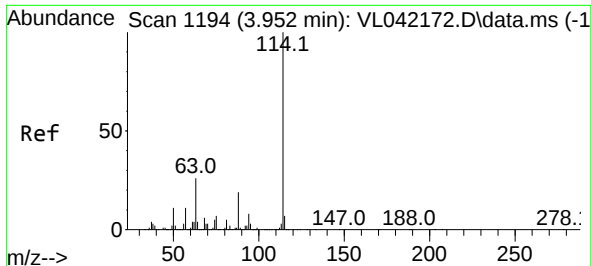
Ion Ratio Lower Upper

84 100

56 1250.7 102.8 154.2#

41 5.1 66.5 99.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 1194

Delta R.T. 0.035 min

Lab File: VL042243.D

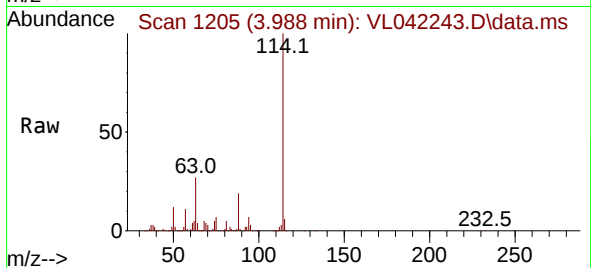
Acq: 07 Apr 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025DL2



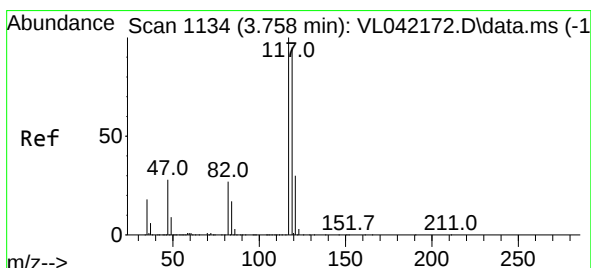
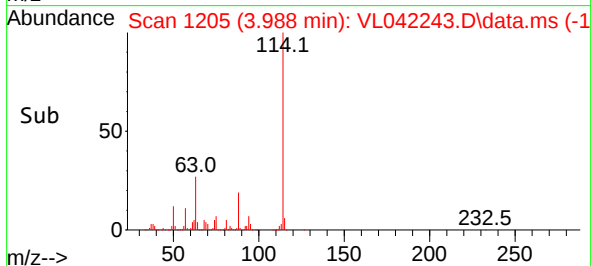
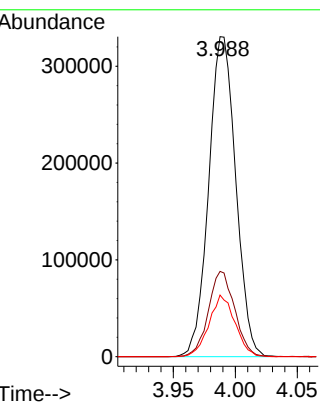
Tgt Ion:114 Resp: 503068

Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

88 18.5 15.0 22.4



#35

Carbon Tetrachloride

Concen: 0.056 ppbv

RT: 3.793 min Scan# 1145

Delta R.T. 0.035 min

Lab File: VL042243.D

Acq: 07 Apr 2025 21:38

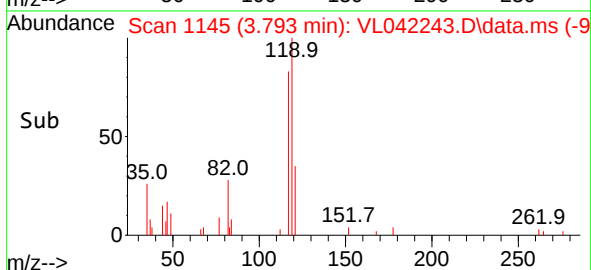
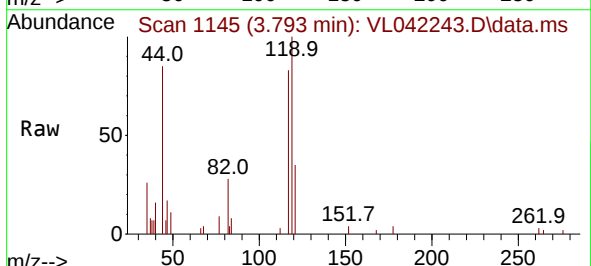
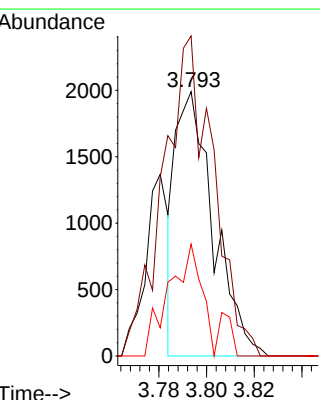
Tgt Ion:117 Resp: 2216

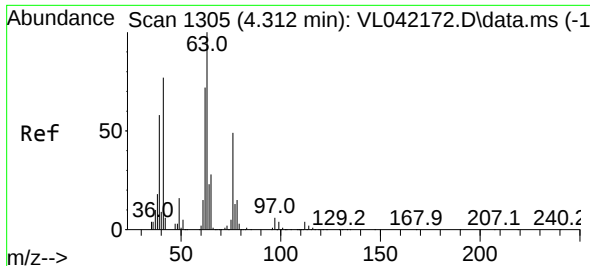
Ion Ratio Lower Upper

117 100

119 121.0 76.2 114.2#

121 42.3 24.2 36.4#





#39

1,2-Dichloropropane

Concen: 7.189 ppbv

RT: 3.988 min Scan# 11

Delta R.T. -0.324 min

Lab File: VL042243.D

Acq: 07 Apr 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025DL2

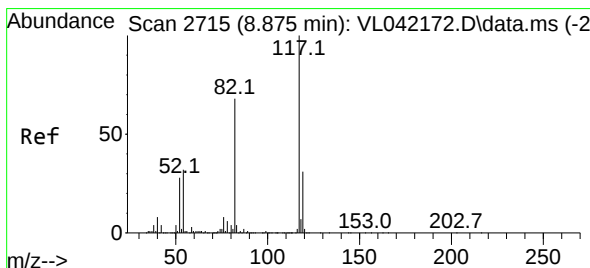
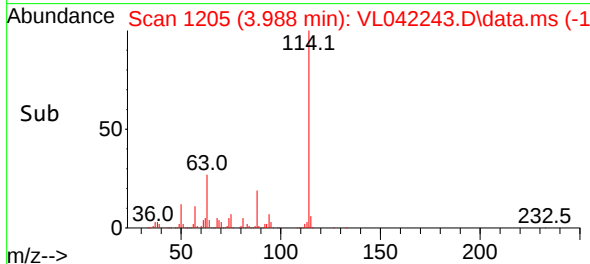
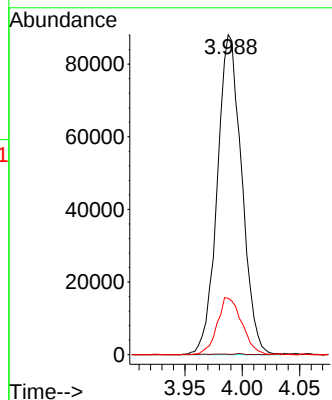
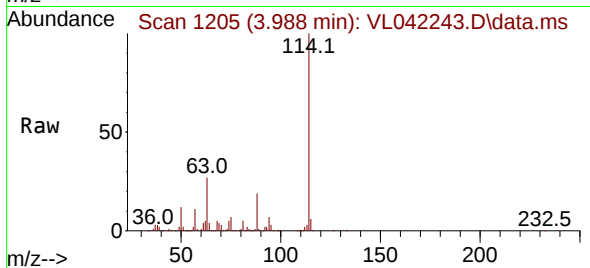
Tgt Ion: 63 Resp: 130575

Ion Ratio Lower Upper

63 100

41 0.1 61.7 92.5#

62 17.7 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.911 min Scan# 2726

Delta R.T. 0.035 min

Lab File: VL042243.D

Acq: 07 Apr 2025 21:38

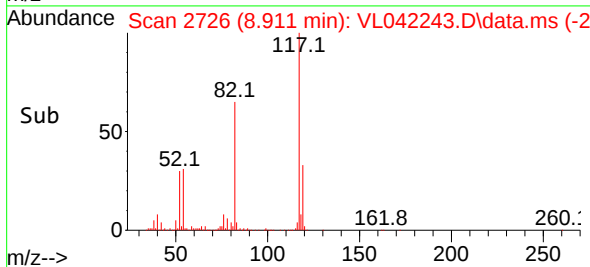
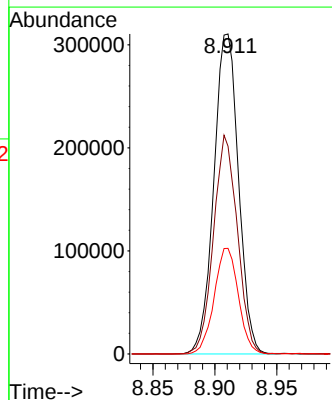
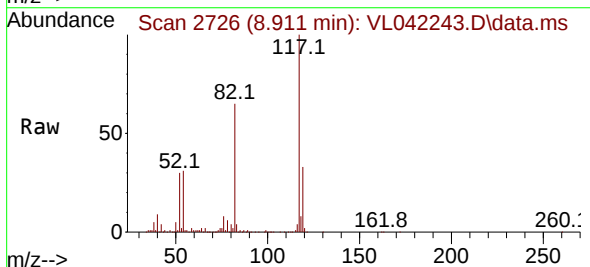
Tgt Ion: 117 Resp: 430861

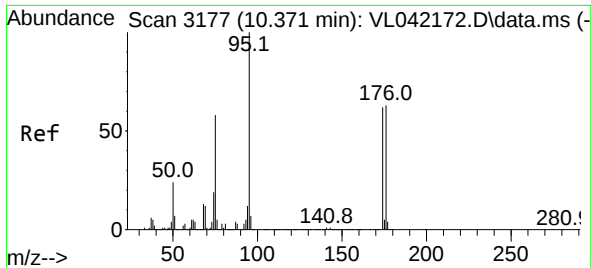
Ion Ratio Lower Upper

117 100

82 66.3 55.8 83.6

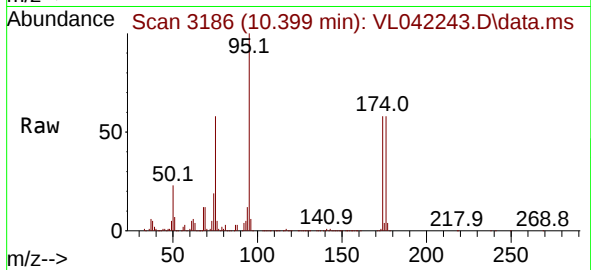
119 32.6 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.321 ppbv
 RT: 10.399 min Scan# 3177
 Delta R.T. 0.029 min
 Lab File: VL042243.D
 Acq: 07 Apr 2025 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025DL2



Tgt Ion: 95 Resp: 329790
 Ion Ratio Lower Upper
 95 100
 174 61.3 50.6 76.0
 175 4.5 3.8 5.6

