

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042240.D
 Acq On : 07 Apr 2025 19:48
 Operator : SY/MD
 Sample : Q1725-06DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-3-03312025DL

Quant Time: Apr 08 01:34:49 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)

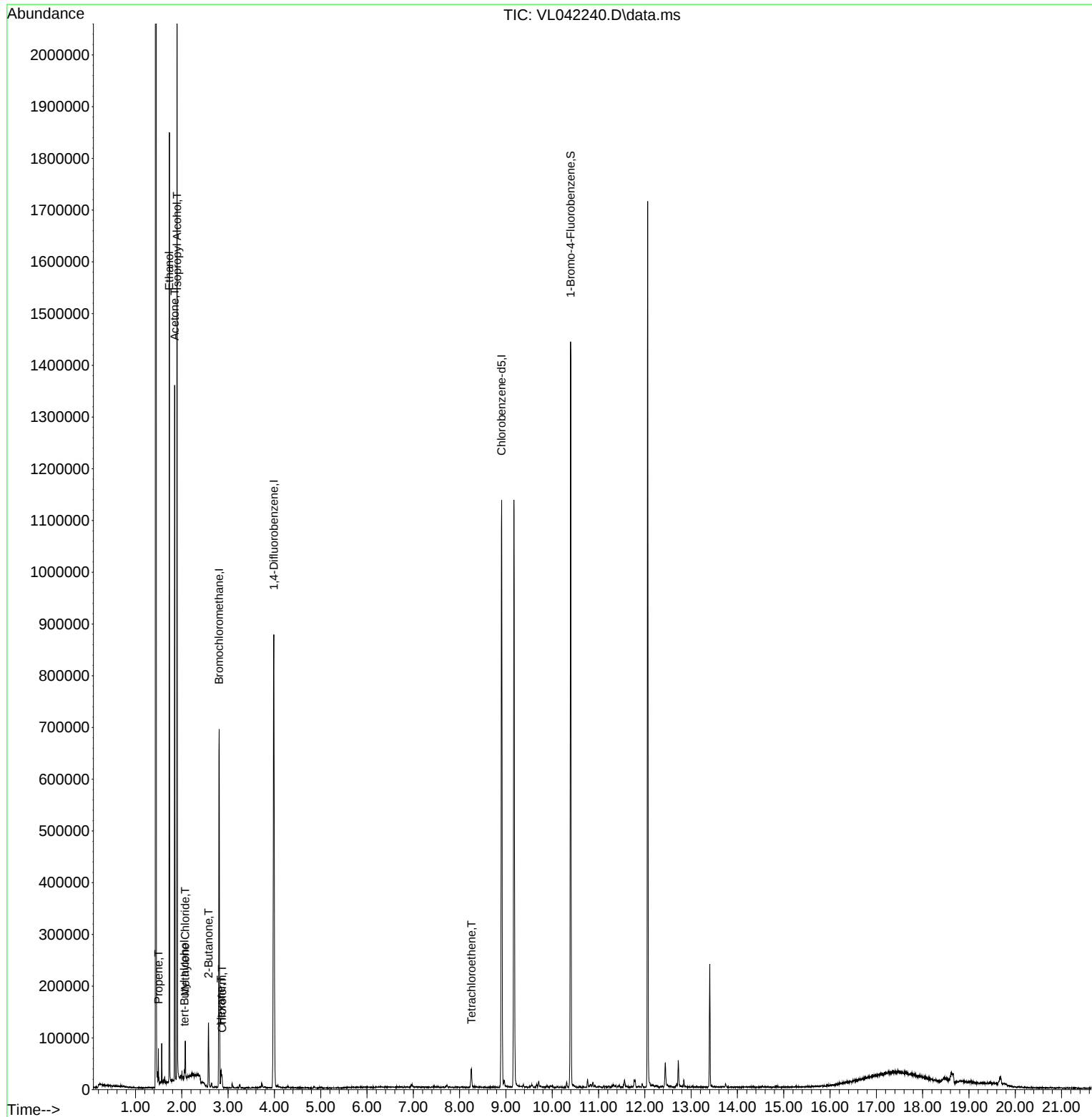
Internal Standards						
1) Bromochloromethane	2.806	49	191137	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	500724	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.907	117	434892	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	351813	9.851	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
9) Propene	1.496	41	5601	0.424	ppbv	87
13) Ethanol	1.732	45	636905	509.855	ppbv	83
15) Acetone	1.845	43	552376	20.664	ppbv	95
17) tert-Butyl alcohol	2.059	59	5110	0.153	ppbv #	80
19) Isopropyl Alcohol	1.897	45	1082467	71.770	ppbv #	32
20) Methylene Chloride	2.075	84	10459	1.051	ppbv	93
26) Hexane	2.845	57	6613	0.247	ppbv #	65
29) Chloroform	2.871	83	6748	0.172	ppbv	98
34) 2-Butanone	2.577	43	79642	2.193	ppbv	97
52) Tetrachloroethene	8.254	164	5753	0.292	ppbv	97

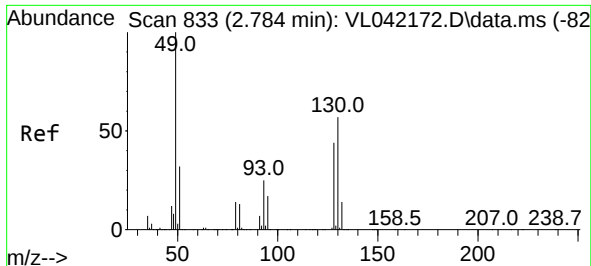
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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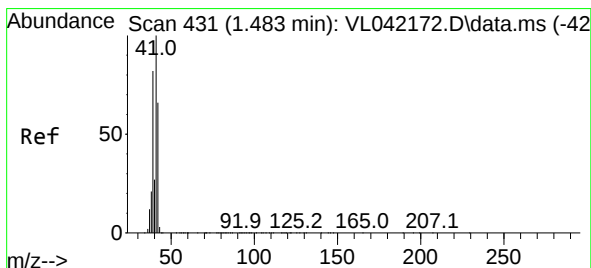
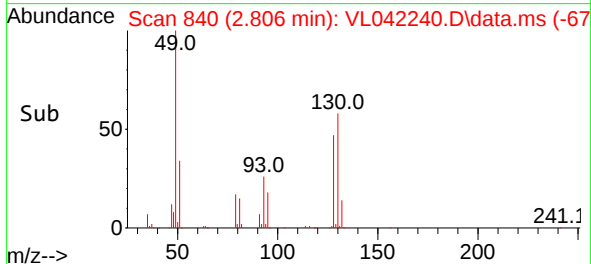
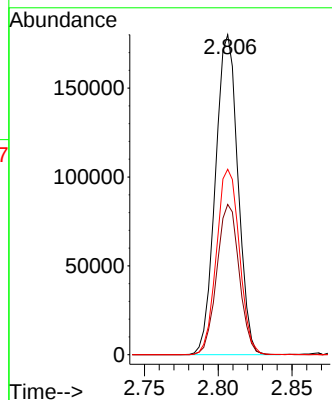
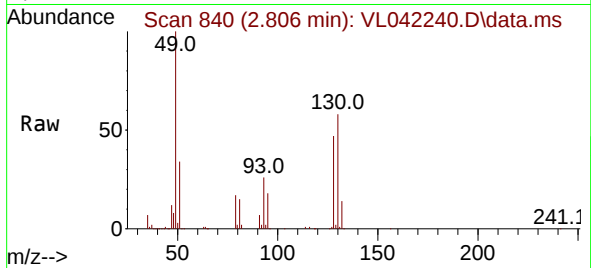




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 84
Delta R.T. 0.022 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

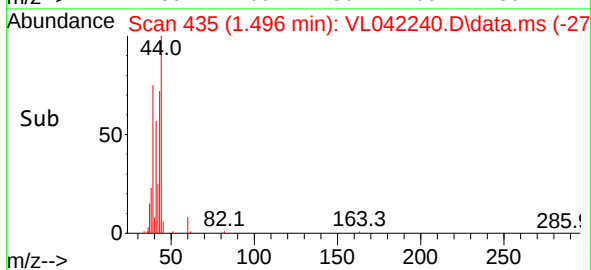
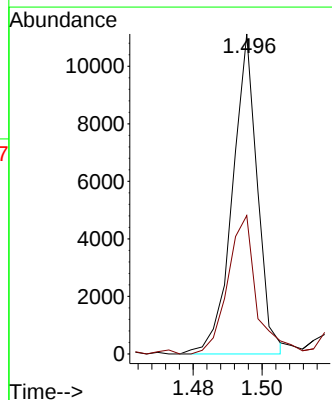
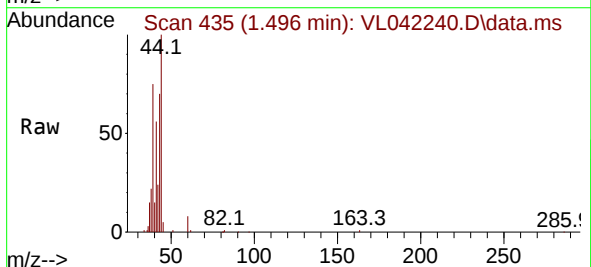
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

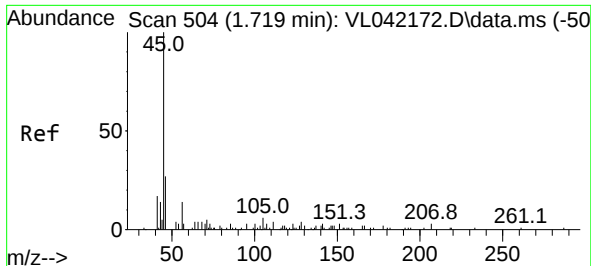
Tgt Ion: 49 Resp: 191137
Ion Ratio Lower Upper
49 100
128 46.8 22.9 68.5
130 59.1 28.8 86.4



#9
Propene
Concen: 0.424 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

Tgt Ion: 41 Resp: 5601
Ion Ratio Lower Upper
41 100
42 58.8 55.4 83.2

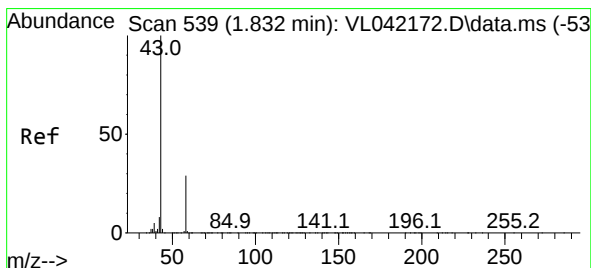
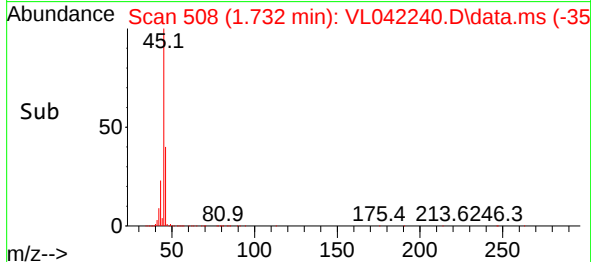
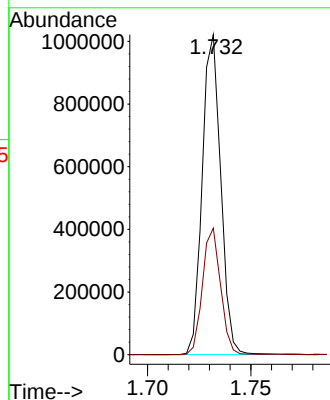
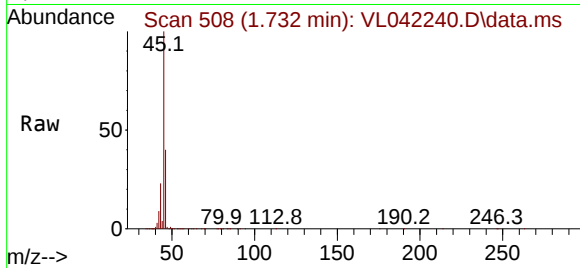




#13
Ethanol
Concen: 509.855 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

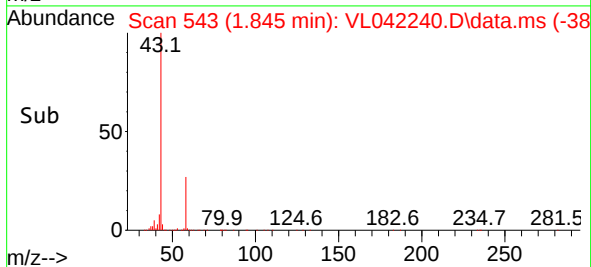
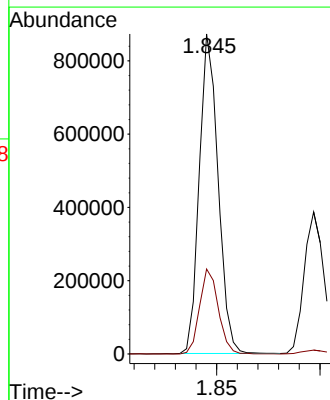
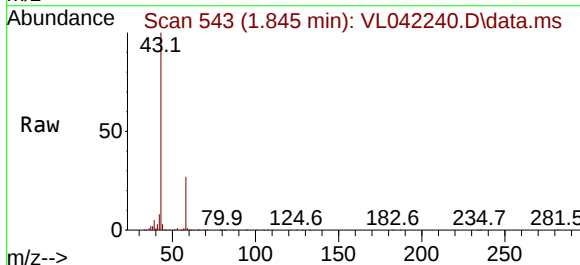
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

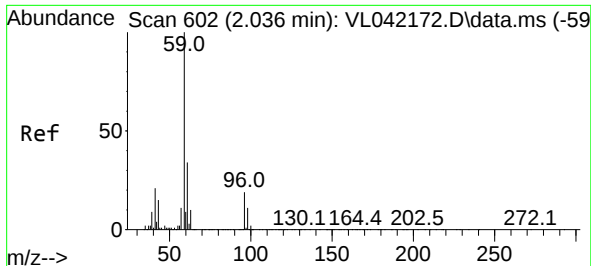
Tgt Ion: 45 Resp: 636905
Ion Ratio Lower Upper
45 100
46 38.8 20.2 80.8



#15
Acetone
Concen: 20.664 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

Tgt Ion: 43 Resp: 552376
Ion Ratio Lower Upper
43 100
58 26.5 23.2 34.8





#17

tert-Butyl alcohol

Concen: 0.153 ppbv

RT: 2.059 min Scan# 602

Delta R.T. 0.022 min

Lab File: VL042240.D

Acq: 07 Apr 2025 19:48

Instrument :

MSVOA_L

ClientSampleId :

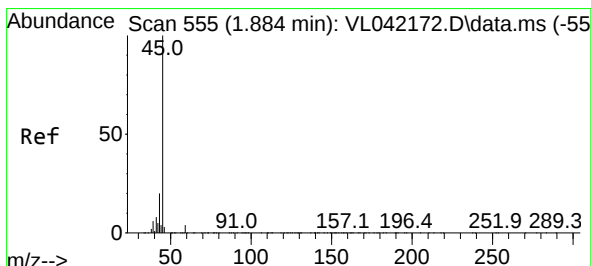
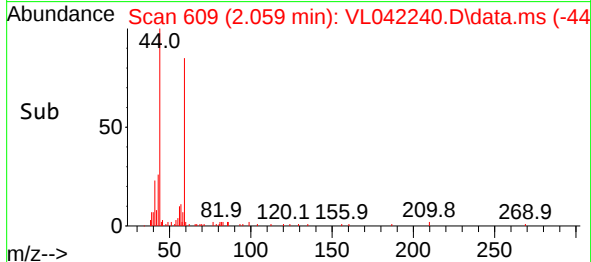
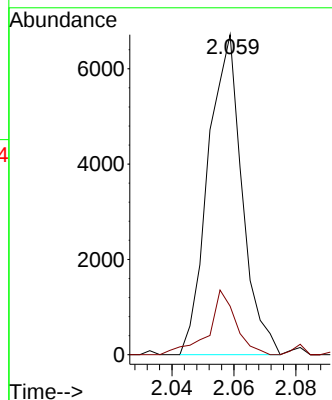
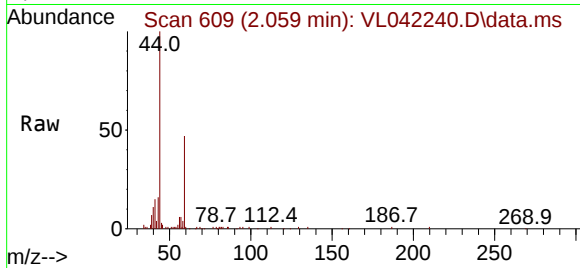
SSSG-B10-3-03312025DL

Tgt Ion: 59 Resp: 5110

Ion Ratio Lower Upper

59 100

57 18.6 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 71.770 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.013 min

Lab File: VL042240.D

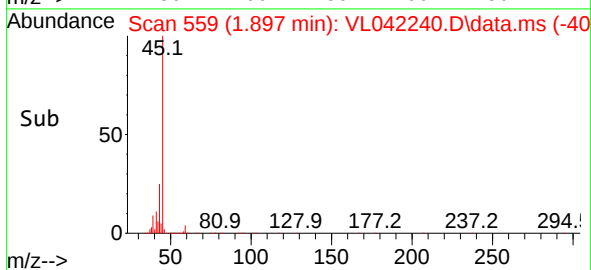
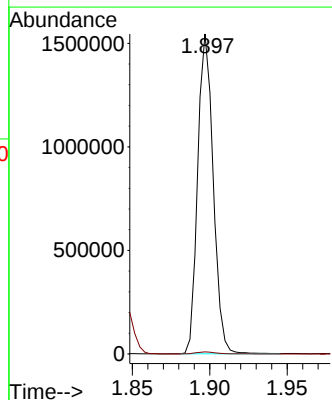
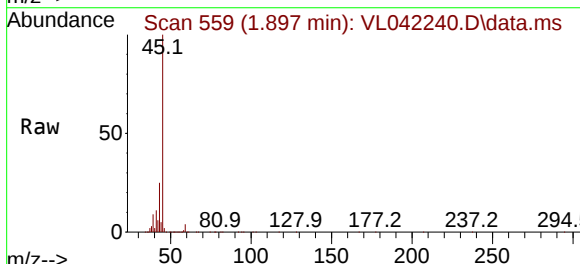
Acq: 07 Apr 2025 19:48

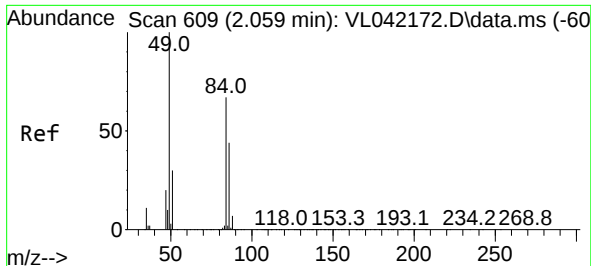
Tgt Ion: 45 Resp: 1082467

Ion Ratio Lower Upper

45 100

58 0.8 36.9 55.3#

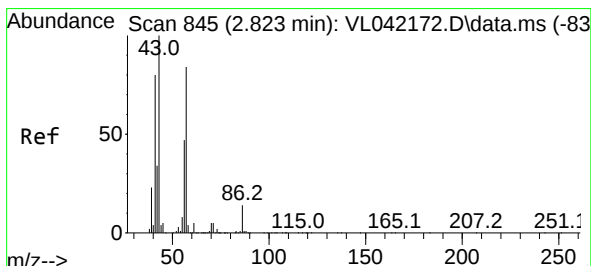
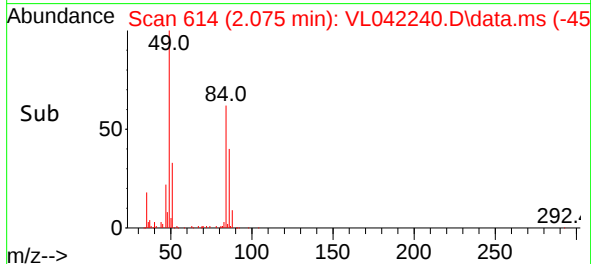
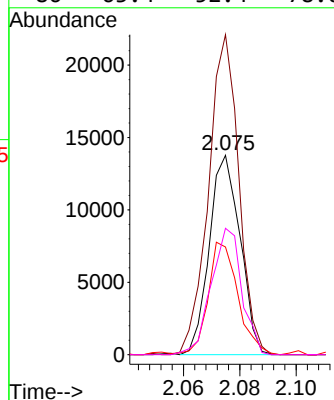
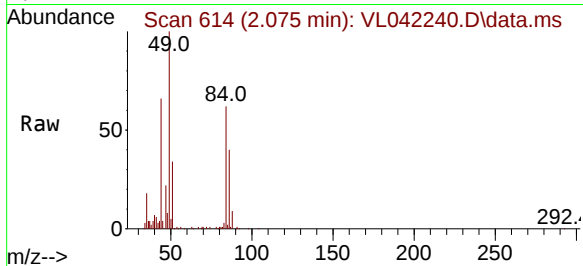




#20
Methylene Chloride
Concen: 1.051 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

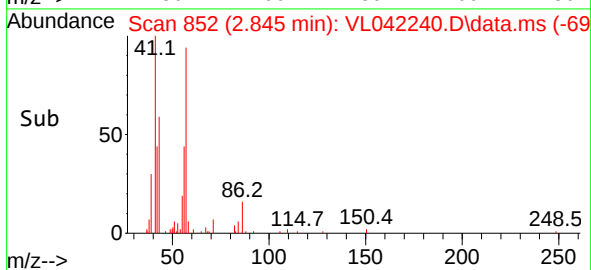
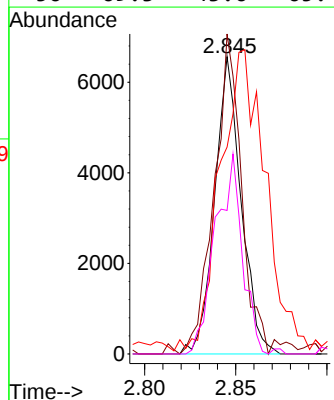
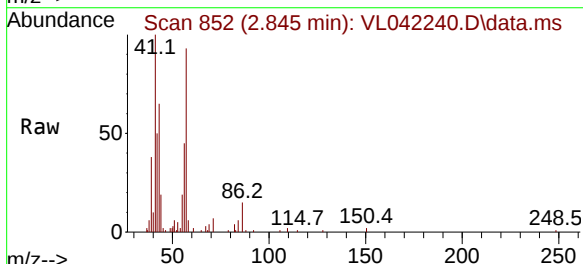
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

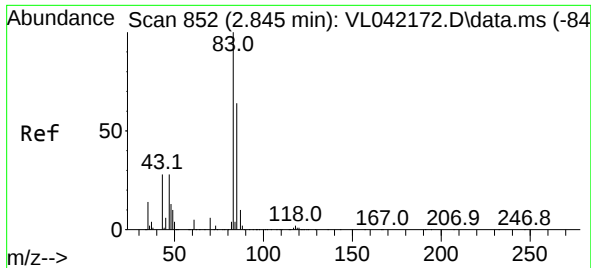
Tgt Ion:	84	Resp:	10459
Ion	Ratio	Lower	Upper
84	100		
49	160.5	120.2	180.4
51	54.0	37.4	56.0
86	63.4	52.4	78.6



#26
Hexane
Concen: 0.247 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.022 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

Tgt Ion:	57	Resp:	6613
Ion	Ratio	Lower	Upper
57	100		
41	114.5	76.6	114.8
43	182.8	207.8	311.8#
56	69.3	43.6	65.4#





#29

Chloroform

Concen: 0.172 ppbv

RT: 2.871 min Scan# 80

Delta R.T. 0.026 min

Lab File: VL042240.D

Acq: 07 Apr 2025 19:48

Instrument :

MSVOA_L

ClientSampleId :

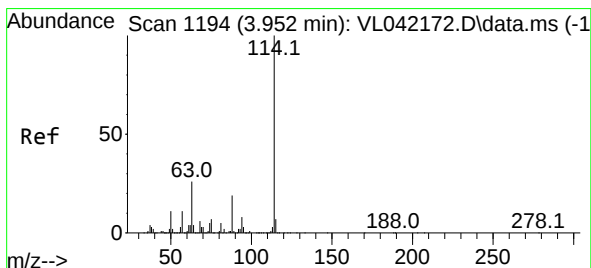
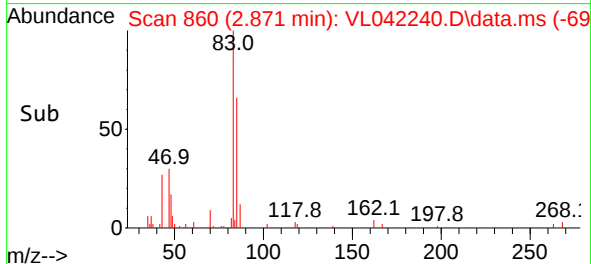
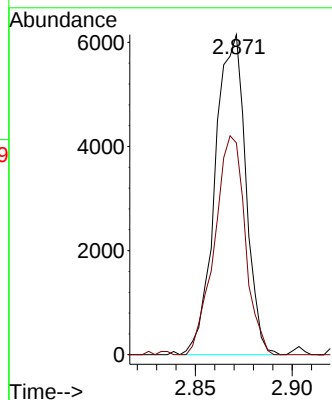
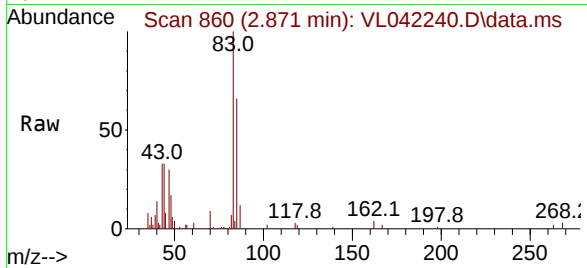
SSSG-B10-3-03312025DL

Tgt Ion: 83 Resp: 6748

Ion Ratio Lower Upper

83 100

85 66.2 51.4 77.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 1205

Delta R.T. 0.035 min

Lab File: VL042240.D

Acq: 07 Apr 2025 19:48

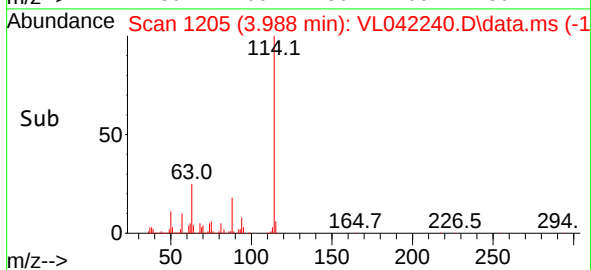
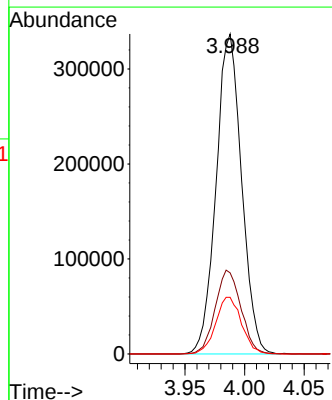
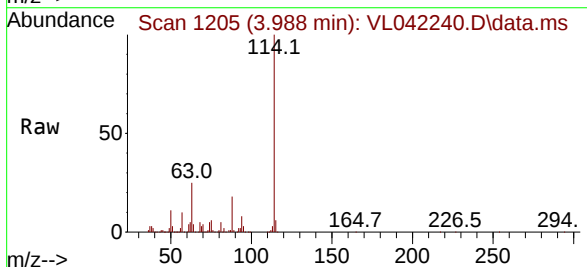
Tgt Ion: 114 Resp: 500724

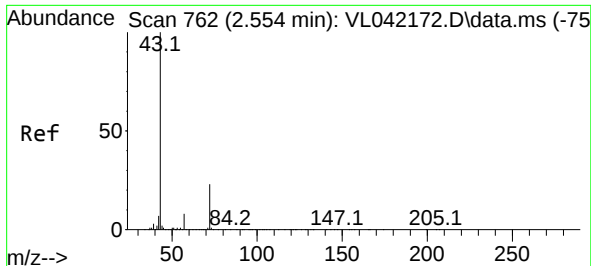
Ion Ratio Lower Upper

114 100

63 26.4 20.7 31.1

88 17.9 15.0 22.4

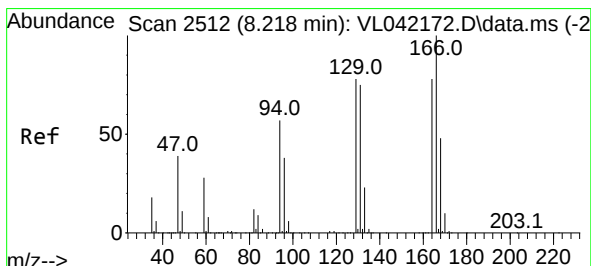
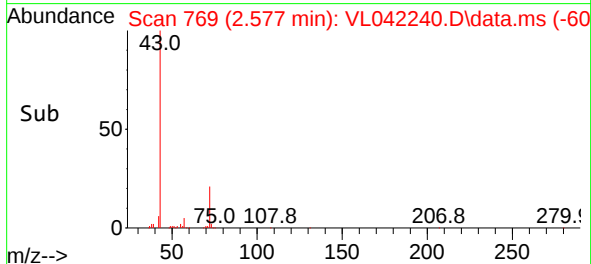
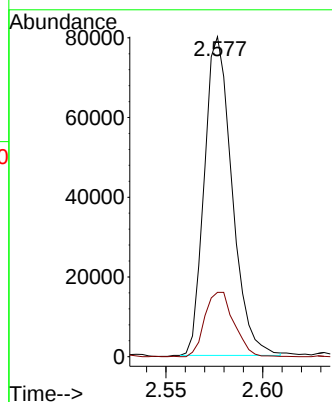
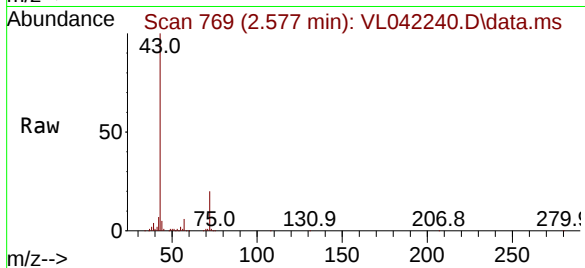




#34
2-Butanone
Concen: 2.193 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.022 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

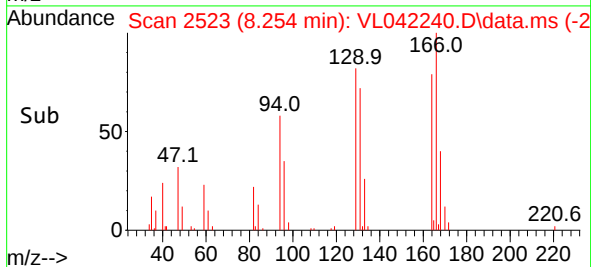
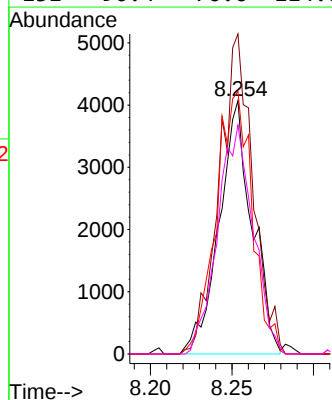
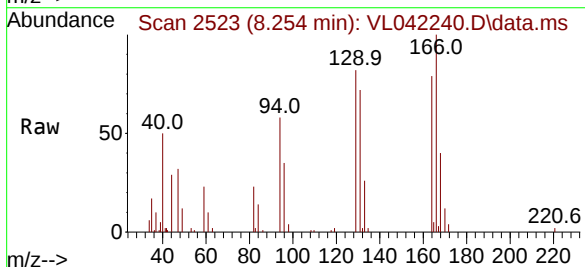
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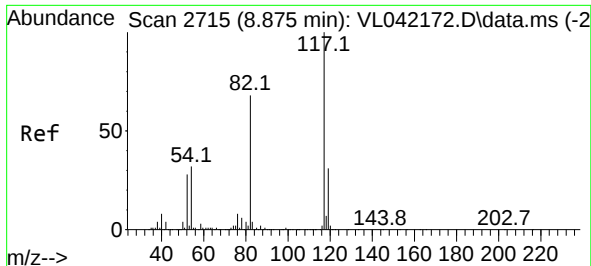
Tgt Ion: 43 Resp: 79642
Ion Ratio Lower Upper
43 100
72 21.4 18.2 27.2



#52
Tetrachloroethene
Concen: 0.292 ppbv
RT: 8.254 min Scan# 2523
Delta R.T. 0.035 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

Tgt Ion: 164 Resp: 5753
Ion Ratio Lower Upper
164 100
166 126.3 102.5 153.7
129 103.6 79.8 119.8
131 90.4 76.6 114.8

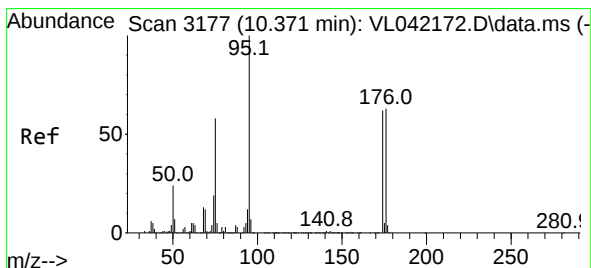
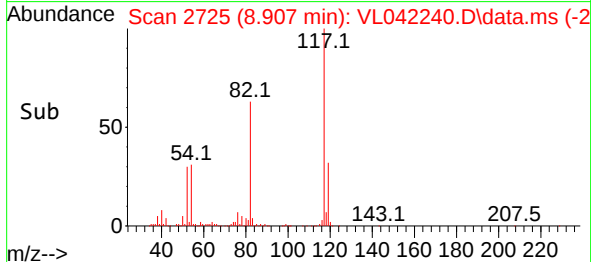
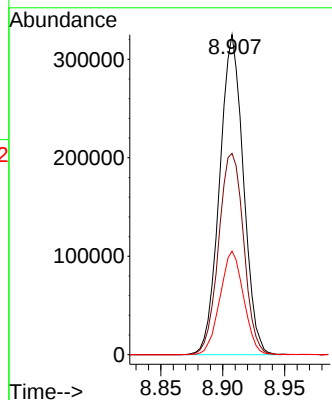
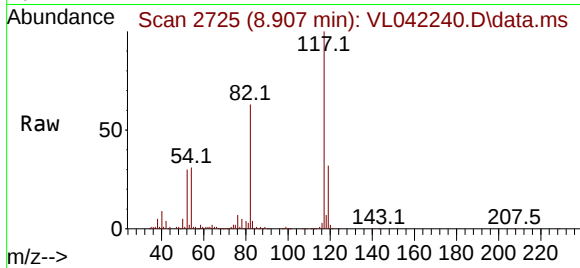




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.907 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion:117 Resp: 434892
Ion Ratio Lower Upper
117 100
82 66.3 55.8 83.6
119 32.4 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.851 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042240.D
Acq: 07 Apr 2025 19:48

Tgt Ion: 95 Resp: 351813
Ion Ratio Lower Upper
95 100
174 60.7 50.6 76.0
175 4.6 3.8 5.6

