

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042108.D
 Acq On : 05 Mar 2025 17:31
 Operator : SY/MD
 Sample : Q1483-06 1200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Quant Time: Mar 06 01:10:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

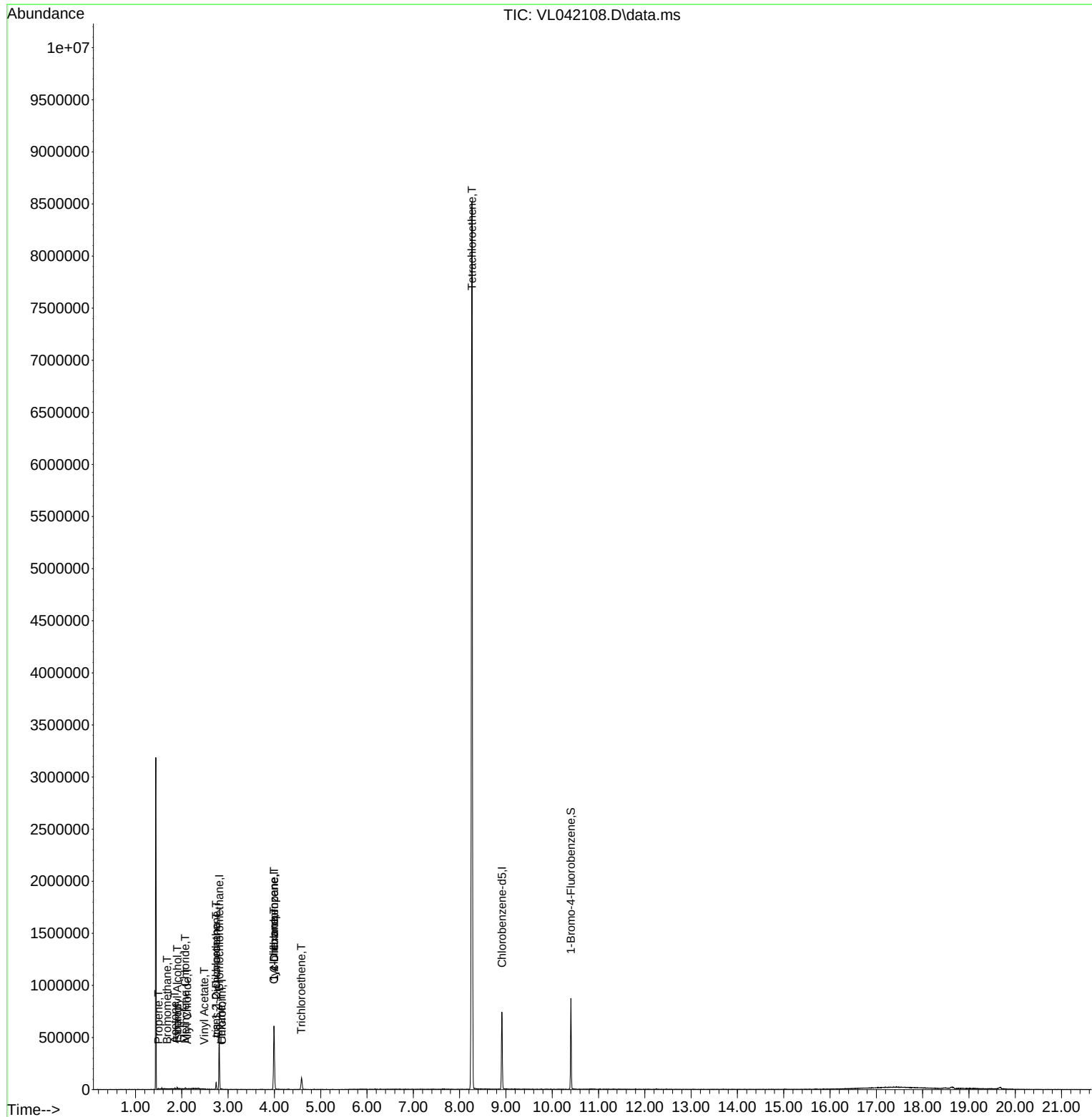
Internal Standards						
1) Bromochloromethane	2.810	49	157233	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.991	114	350842	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.914	117	294774	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.403	95	207279	9.140	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.400%
Target Compounds						
					Qvalue	
6) Bromomethane	1.683	94	96	0.035	ppbv #	2
9) Propene	1.496	41	1149	0.123	ppbv	91
13) Ethanol	1.900	45	4948	8.373	ppbv #	33
15) Acetone	1.848	43	3462	0.249	ppbv #	85
19) Isopropyl Alcohol	1.900	45	4948	0.620	ppbv #	40
20) Methylene Chloride	2.072	84	1666	0.317	ppbv #	70
21) Allyl Chloride	2.114	41	310	0.031	ppbv #	19
22) trans-1,2-Dichloroethene	2.742	96	12985	1.886	ppbv	89
23) Vinyl Acetate	2.486	43	321	0.033	ppbv #	51
26) Hexane	2.852	57	1100	0.049	ppbv #	28
29) Chloroform	2.868	83	1466	0.048	ppbv	88
30) Cyclohexane	3.988	84	1155	0.063	ppbv #	1
31) cis-1,2-Dichloroethene	2.742	61	20823	0.979	ppbv	99
38) Trichloroethene	4.583	130	19077	1.272	ppbv	88
39) 1,2-Dichloropropane	3.991	63	89866	6.446	ppbv #	25
52) Tetrachloroethene	8.267	164	1666581	132.549	ppbv	97

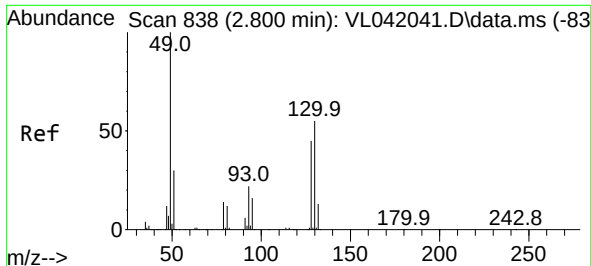
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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SV4

Quant Time: Mar 06 01:10:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

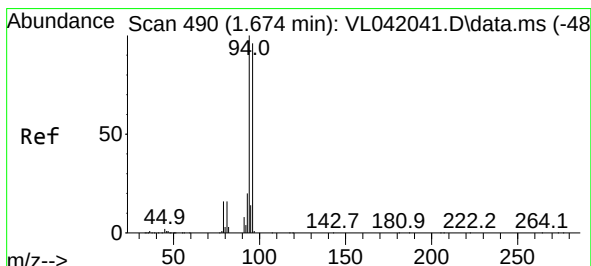
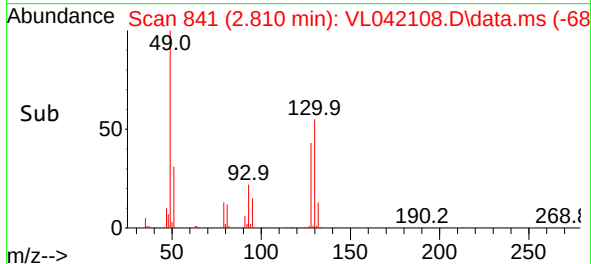
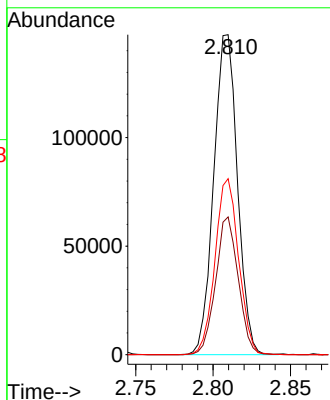
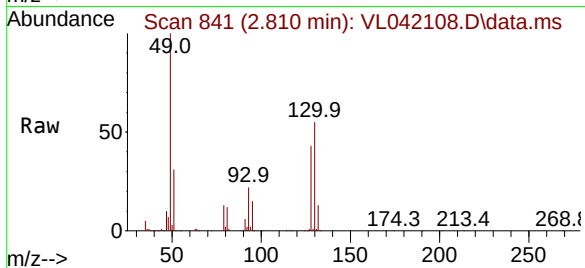




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.810 min Scan# 841
 Delta R.T. 0.010 min
 Lab File: VL042108.D
 Acq: 05 Mar 2025 17:31

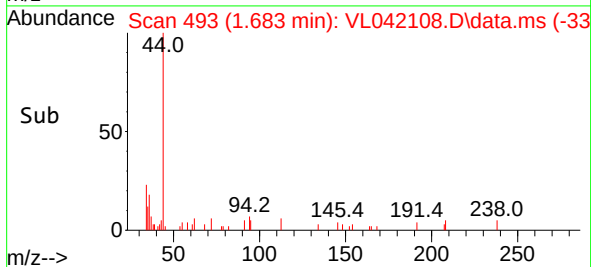
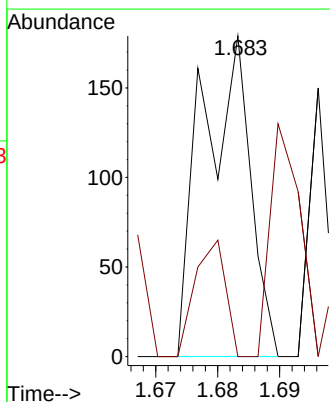
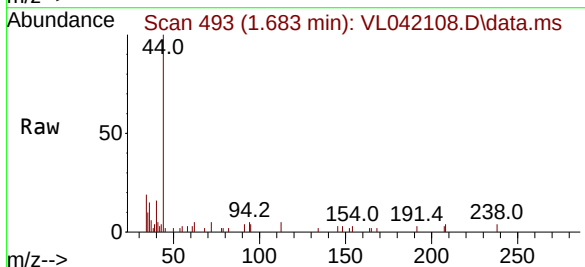
Instrument :
 MSVOA_L
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 SV4

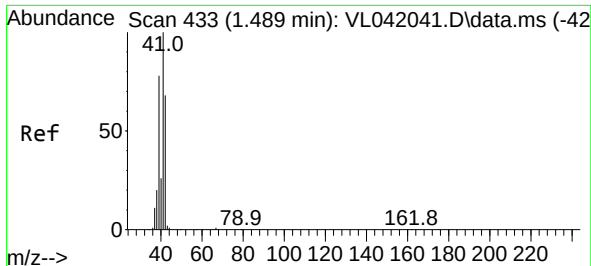
Tgt Ion: 49 Resp: 157233
 Ion Ratio Lower Upper
 49 100
 128 41.0 21.6 64.8
 130 54.7 27.8 83.4



#6
 Bromomethane
 Concen: 0.035 ppbv
 RT: 1.683 min Scan# 493
 Delta R.T. 0.010 min
 Lab File: VL042108.D
 Acq: 05 Mar 2025 17:31

Tgt Ion: 94 Resp: 96
 Ion Ratio Lower Upper
 94 100
 96 0.0 76.5 114.7#





#9

Propene

Concen: 0.123 ppbv

RT: 1.496 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042108.D

Acq: 05 Mar 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

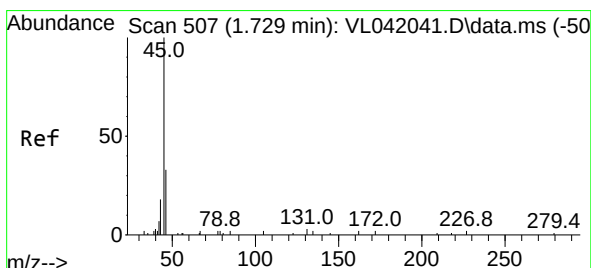
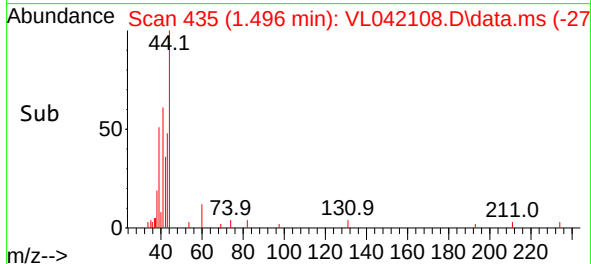
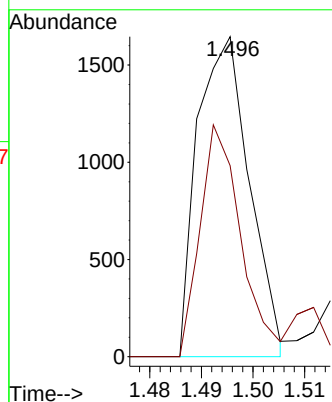
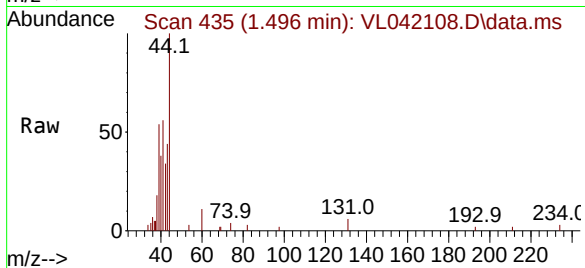
SV4

Tgt Ion: 41 Resp: 1149

Ion Ratio Lower Upper

41 100

42 77.0 55.8 83.6



#13

Ethanol

Concen: 8.373 ppbv

RT: 1.900 min Scan# 560

Delta R.T. 0.171 min

Lab File: VL042108.D

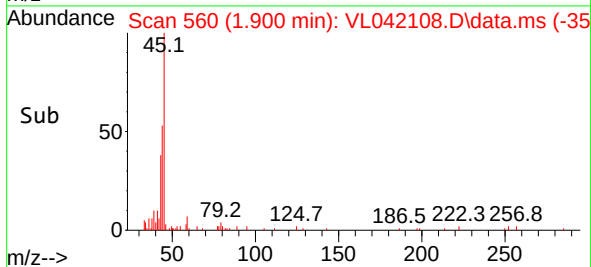
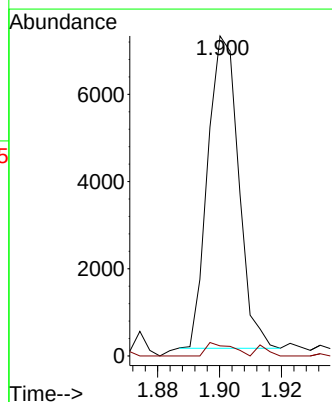
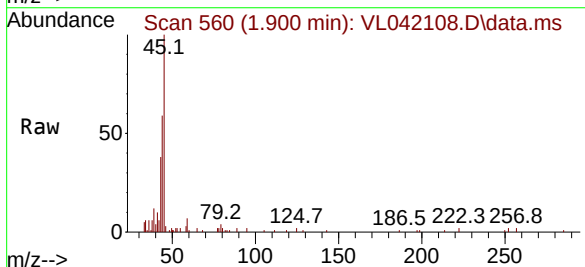
Acq: 05 Mar 2025 17:31

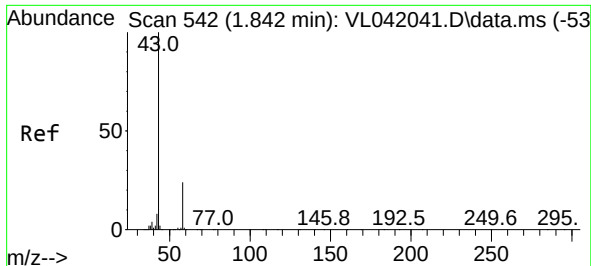
Tgt Ion: 45 Resp: 4948

Ion Ratio Lower Upper

45 100

46 0.0 17.1 68.3#

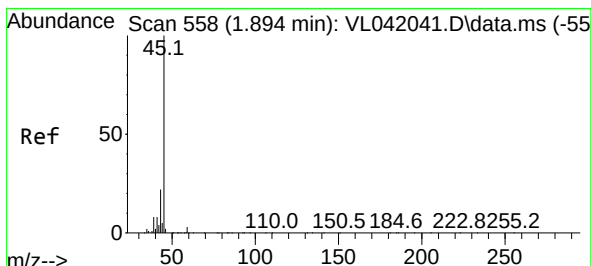
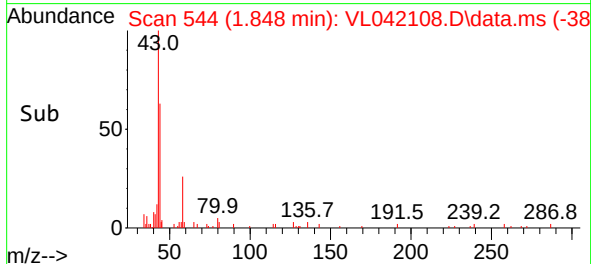
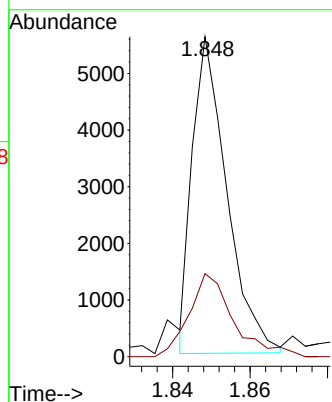
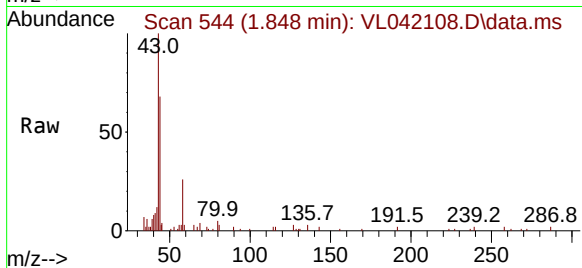




#15
Acetone
Concen: 0.249 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

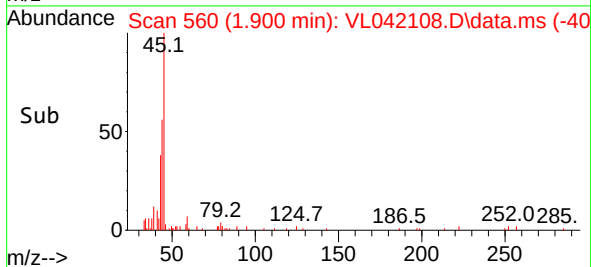
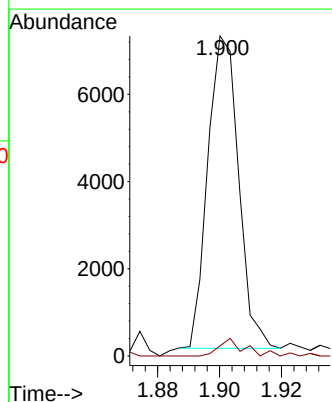
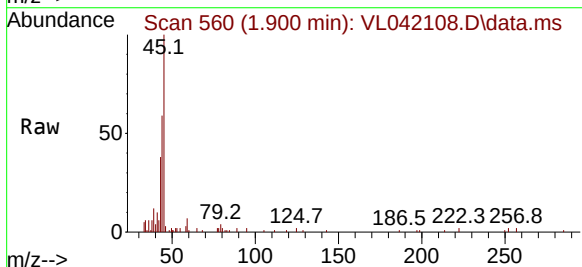
Instrument :
MSVOA_L
ClientSampleId :
SV4

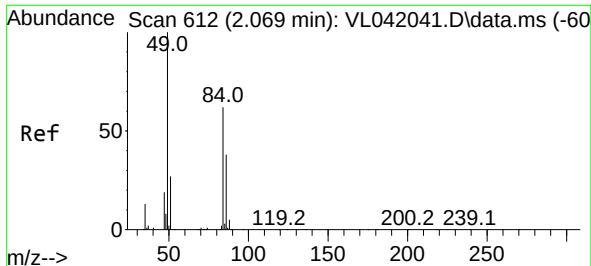
Tgt Ion: 43 Resp: 3462
Ion Ratio Lower Upper
43 100
58 33.6 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.620 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.006 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Tgt Ion: 45 Resp: 4948
Ion Ratio Lower Upper
45 100
58 5.0 35.3 52.9#

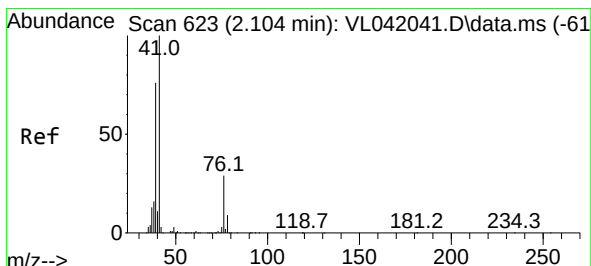
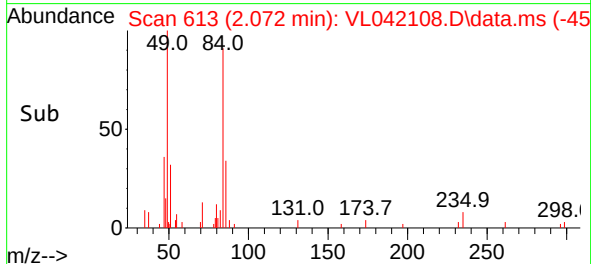
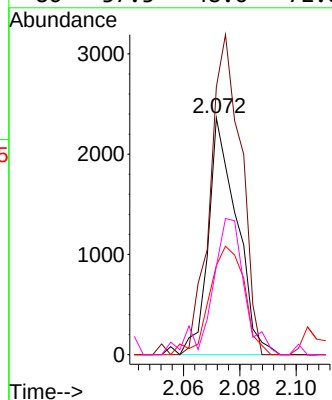
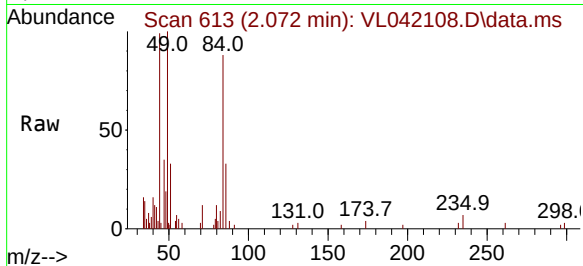




#20
Methylene Chloride
Concen: 0.317 ppbv
RT: 2.072 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

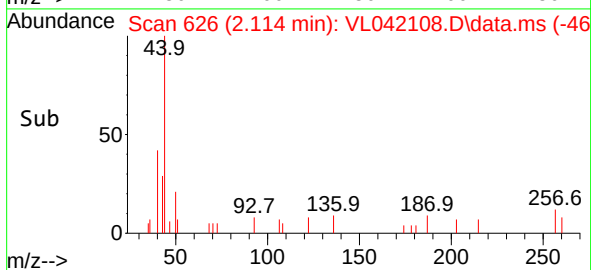
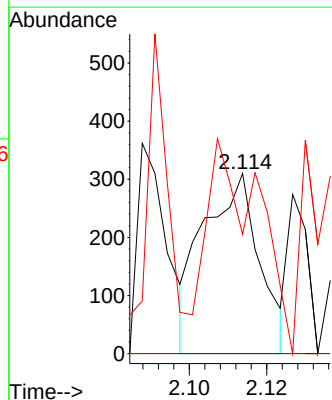
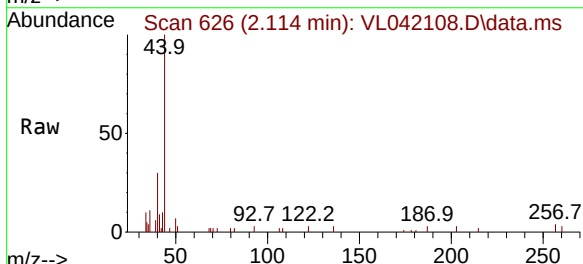
Instrument :
MSVOA_L
ClientSampleId :
SV4

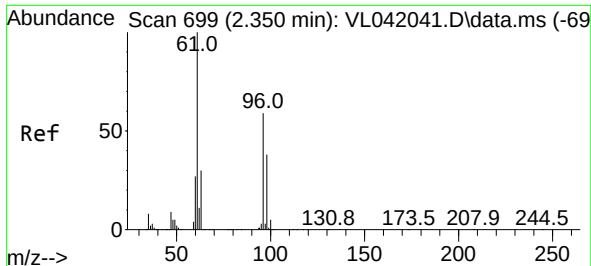
Tgt Ion:	84	Resp:	1666
Ion	Ratio	Lower	Upper
84	100		
49	116.2	130.0	195.0#
51	37.7	37.4	56.0
86	37.3	48.6	72.8#



#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 2.114 min Scan# 626
Delta R.T. 0.010 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Tgt Ion:	41	Resp:	310
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.8	35.6#
39	0.0	63.8	95.6#

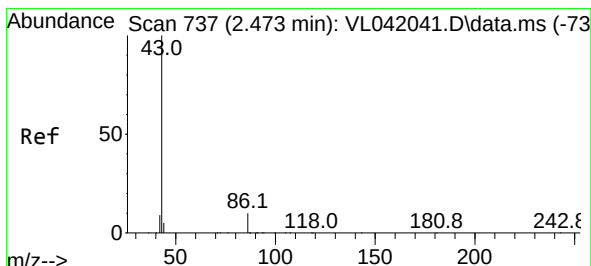
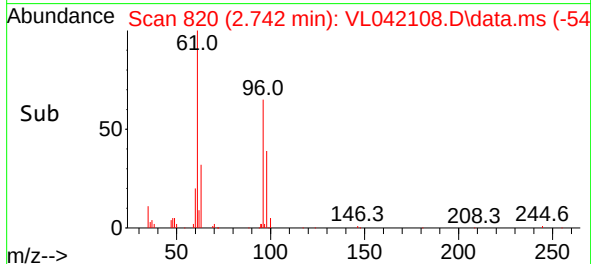
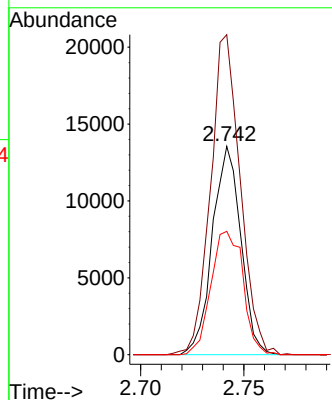
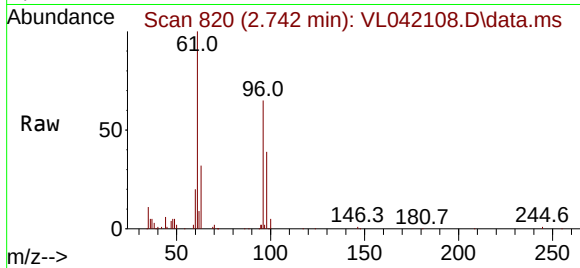




#22
trans-1,2-Dichloroethene
Concen: 1.886 ppbv
RT: 2.742 min Scan# 811
Delta R.T. 0.392 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

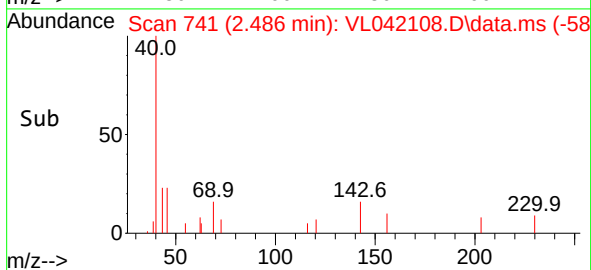
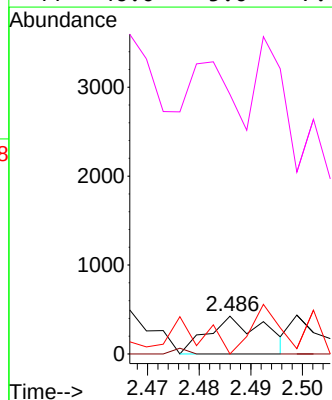
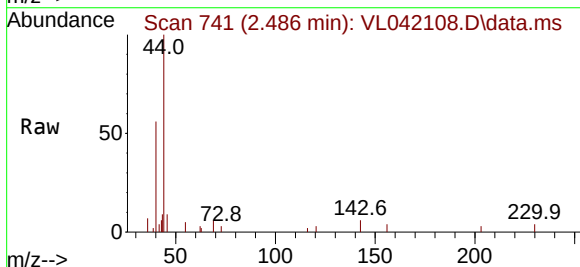
Instrument :
MSVOA_L
ClientSampleId :
SV4

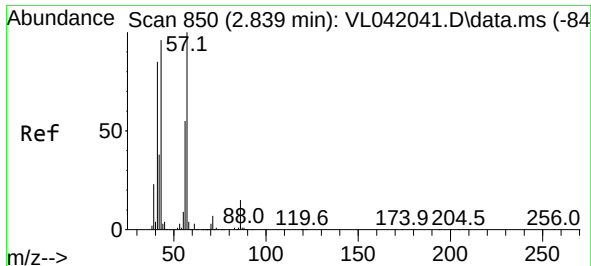
Tgt Ion: 96 Resp: 12985
Ion Ratio Lower Upper
96 100
61 153.6 136.6 205.0
98 59.2 51.8 77.6



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 2.486 min Scan# 741
Delta R.T. 0.013 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
86 0.0 7.0 10.4#
42 0.0 7.6 11.4#
44 46.0 5.0 7.4#

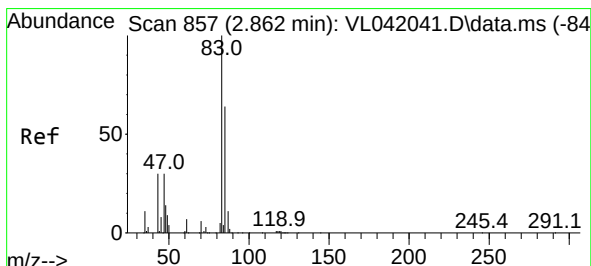
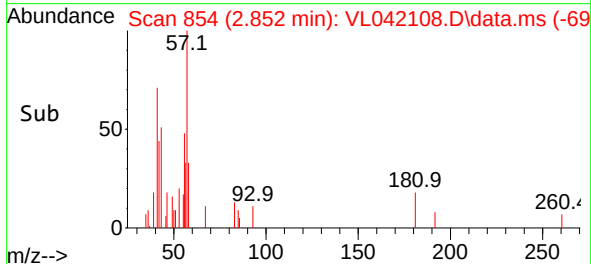
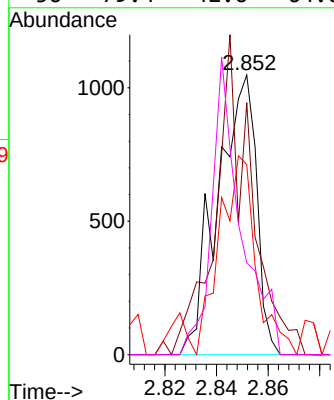
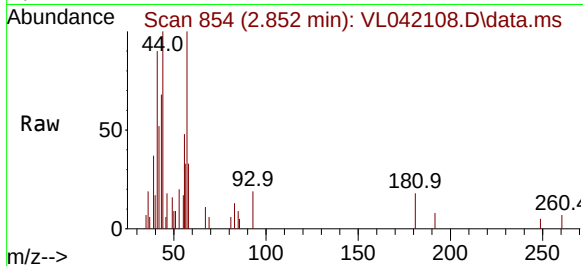




#26
Hexane
Concen: 0.049 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

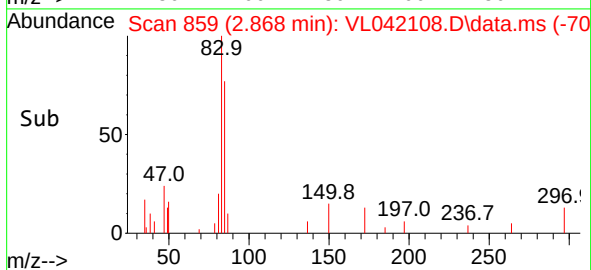
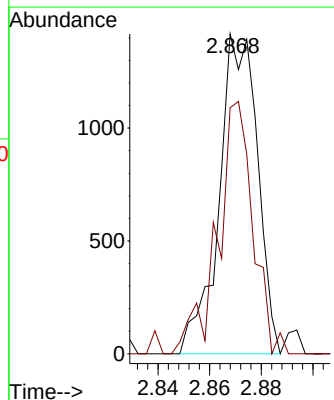
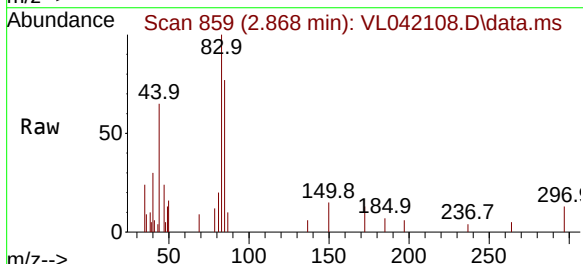
Instrument :
MSVOA_L
ClientSampleId :
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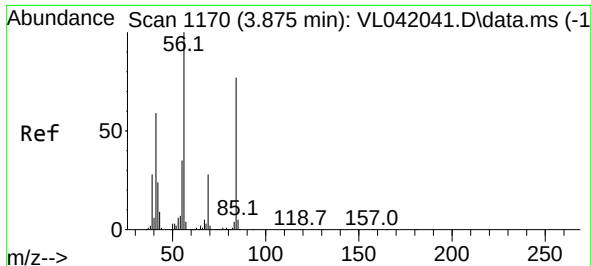
Tgt Ion:	57	Resp:	1100
Ion	Ratio	Lower	Upper
57	100		
41	104.0	70.6	106.0
43	77.2	199.4	299.0#
56	79.4	42.6	64.0#



#29
Chloroform
Concen: 0.048 ppbv
RT: 2.868 min Scan# 859
Delta R.T. 0.006 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Tgt Ion:	83	Resp:	1466
Ion	Ratio	Lower	Upper
83	100		
85	73.2	51.2	76.8

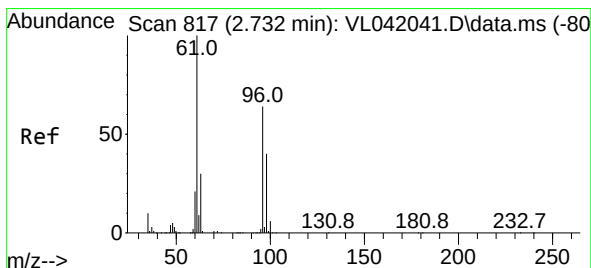
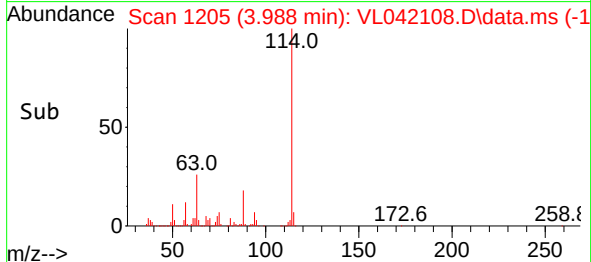
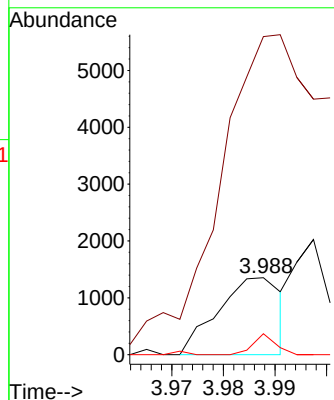
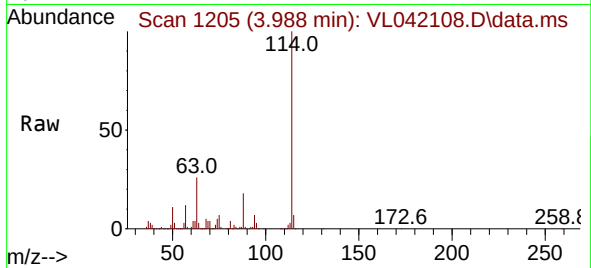




#30
Cyclohexane
Concen: 0.063 ppbv
RT: 3.988 min Scan# 1170
Delta R.T. 0.113 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

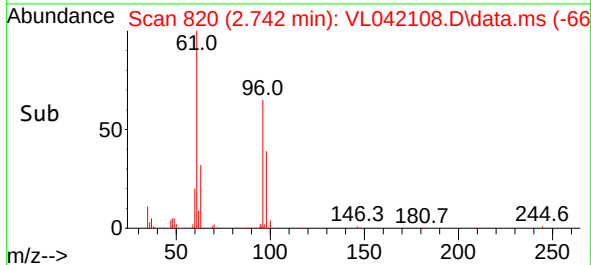
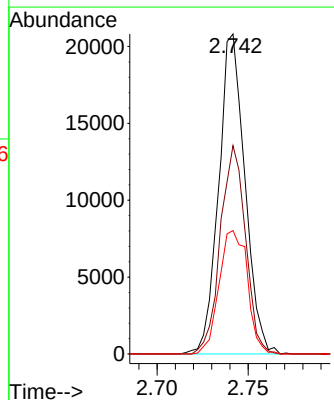
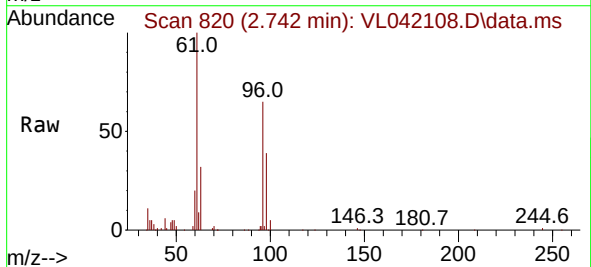
Instrument :
MSVOA_L
ClientSampleId :
SV4

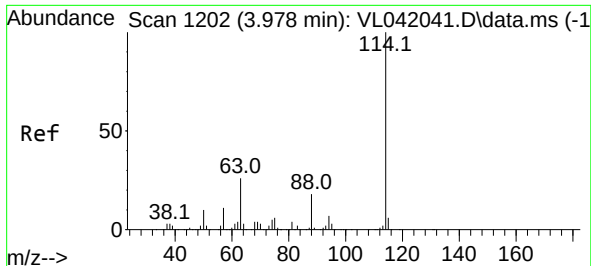
Tgt Ion: 84 Resp: 1155
Ion Ratio Lower Upper
84 100
56 780.8 101.5 152.3#
41 17.8 62.6 93.8#



#31
cis-1,2-Dichloroethene
Concen: 0.979 ppbv
RT: 2.742 min Scan# 820
Delta R.T. 0.010 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Tgt Ion: 61 Resp: 20823
Ion Ratio Lower Upper
61 100
96 65.1 51.5 77.3
98 38.6 32.0 48.0

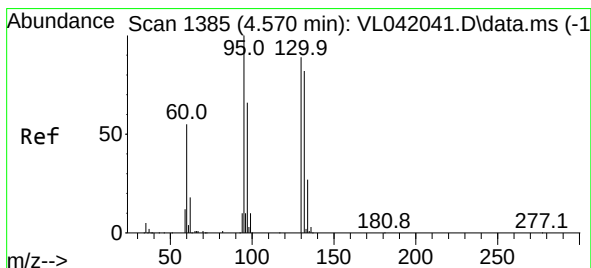
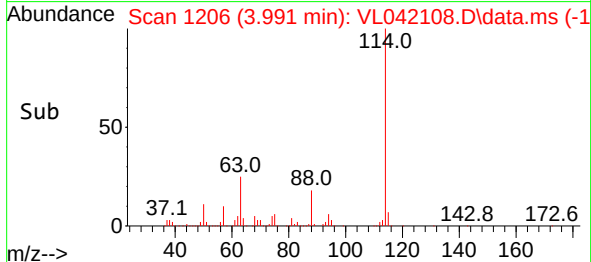
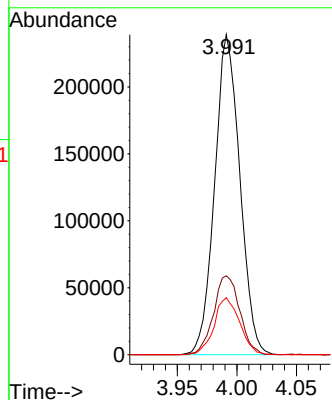
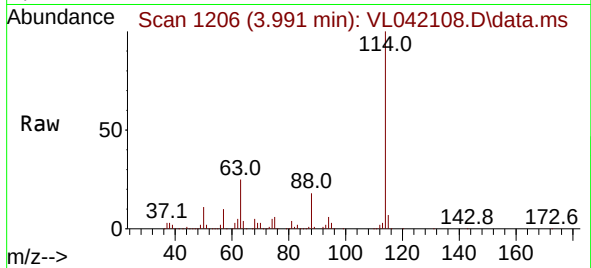




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.991 min Scan# 114
 Delta R.T. 0.013 min
 Lab File: VL042108.D
 Acq: 05 Mar 2025 17:31

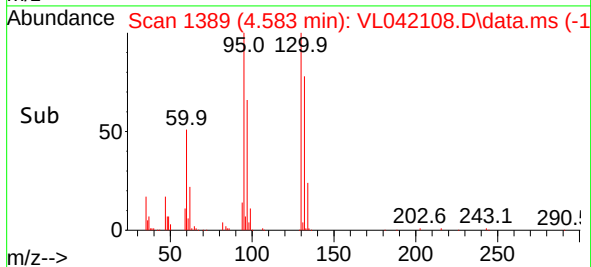
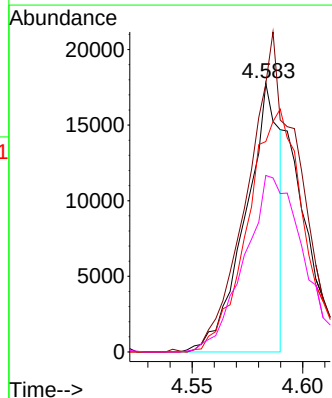
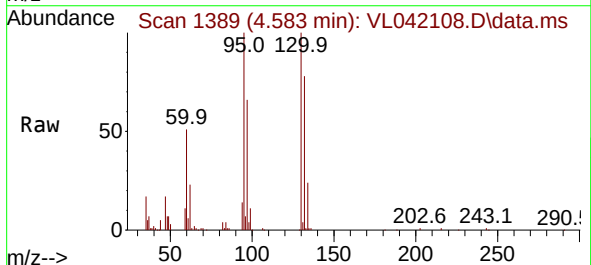
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

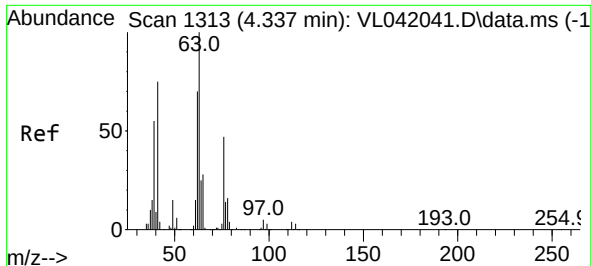
Tgt Ion:114 Resp: 350842
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.1 30.1
 88 18.1 14.3 21.5



#38
 Trichloroethene
 Concen: 1.272 ppbv
 RT: 4.583 min Scan# 1389
 Delta R.T. 0.013 min
 Lab File: VL042108.D
 Acq: 05 Mar 2025 17:31

Tgt Ion:130 Resp: 19077
 Ion Ratio Lower Upper
 130 100
 95 99.4 89.5 134.3
 132 78.3 73.8 110.6
 97 65.7 58.8 88.2





#39

1,2-Dichloropropane

Concen: 6.446 ppbv

RT: 3.991 min Scan# 11

Delta R.T. -0.346 min

Lab File: VL042108.D

Acq: 05 Mar 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV4

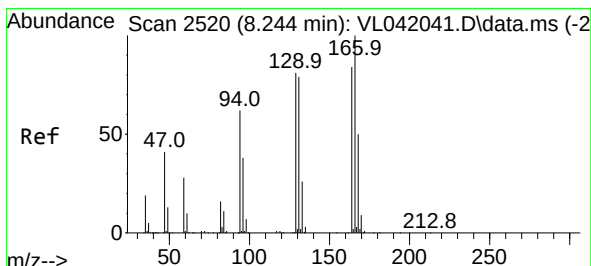
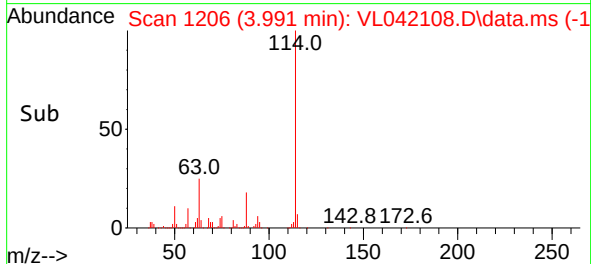
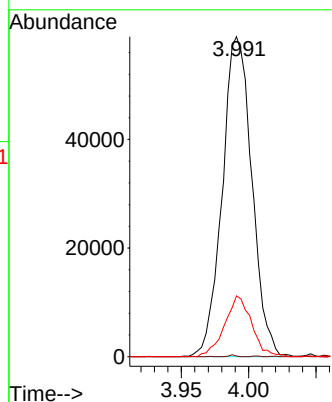
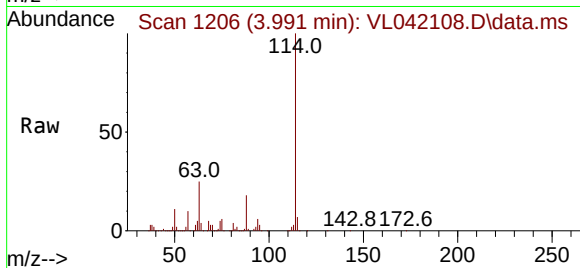
Tgt Ion: 63 Resp: 89866

Ion Ratio Lower Upper

63 100

41 0.2 60.1 90.1#

62 19.0 55.8 83.8#



#52

Tetrachloroethene

Concen: 132.549 ppbv

RT: 8.267 min Scan# 2527

Delta R.T. 0.023 min

Lab File: VL042108.D

Acq: 05 Mar 2025 17:31

Tgt Ion:164 Resp: 1666581

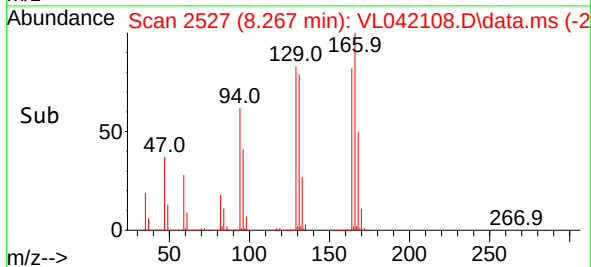
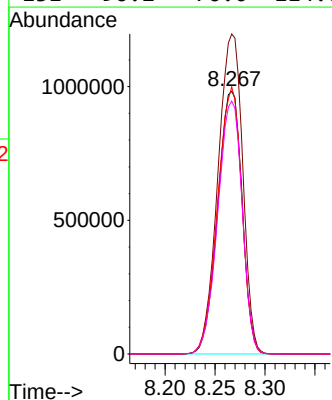
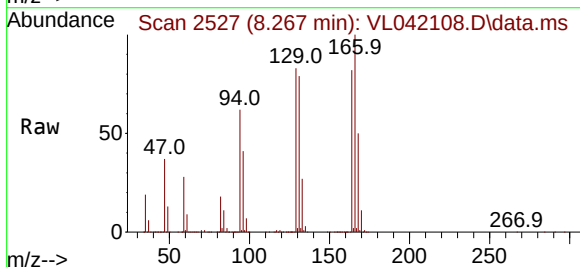
Ion Ratio Lower Upper

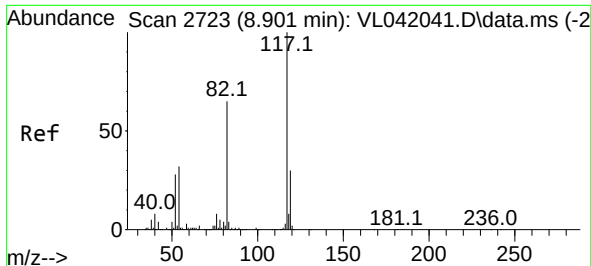
164 100

166 121.8 95.7 143.5

129 101.7 77.1 115.7

131 96.2 76.0 114.0

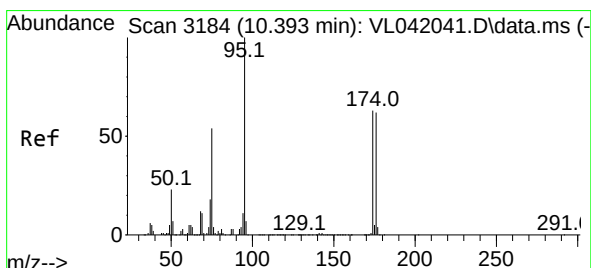
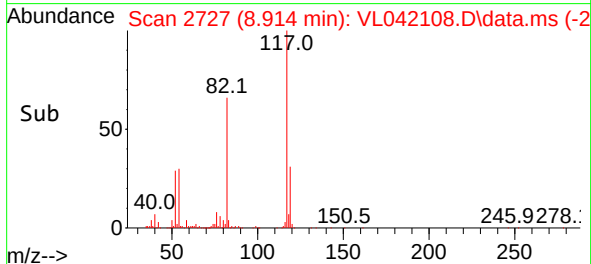
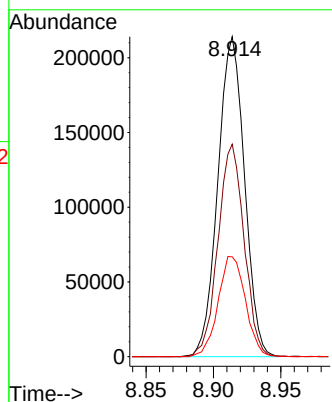
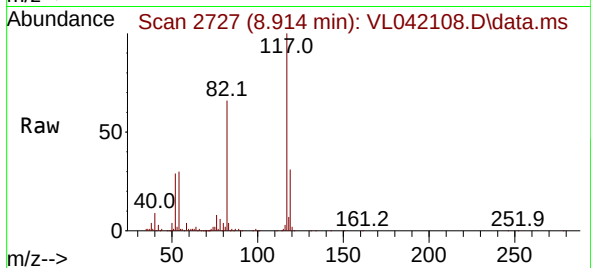




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion:117 Resp: 294774
Ion Ratio Lower Upper
117 100
82 65.0 55.0 82.6
119 32.1 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.140 ppbv
RT: 10.403 min Scan# 3187
Delta R.T. 0.010 min
Lab File: VL042108.D
Acq: 05 Mar 2025 17:31

Tgt Ion: 95 Resp: 207279
Ion Ratio Lower Upper
95 100
174 63.5 51.8 77.6
175 4.4 3.9 5.9

