

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042248.D
 Acq On : 08 Apr 2025 00:12
 Operator : SY/MD
 Sample : Q1725-06DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Apr 08 01:38:49 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)

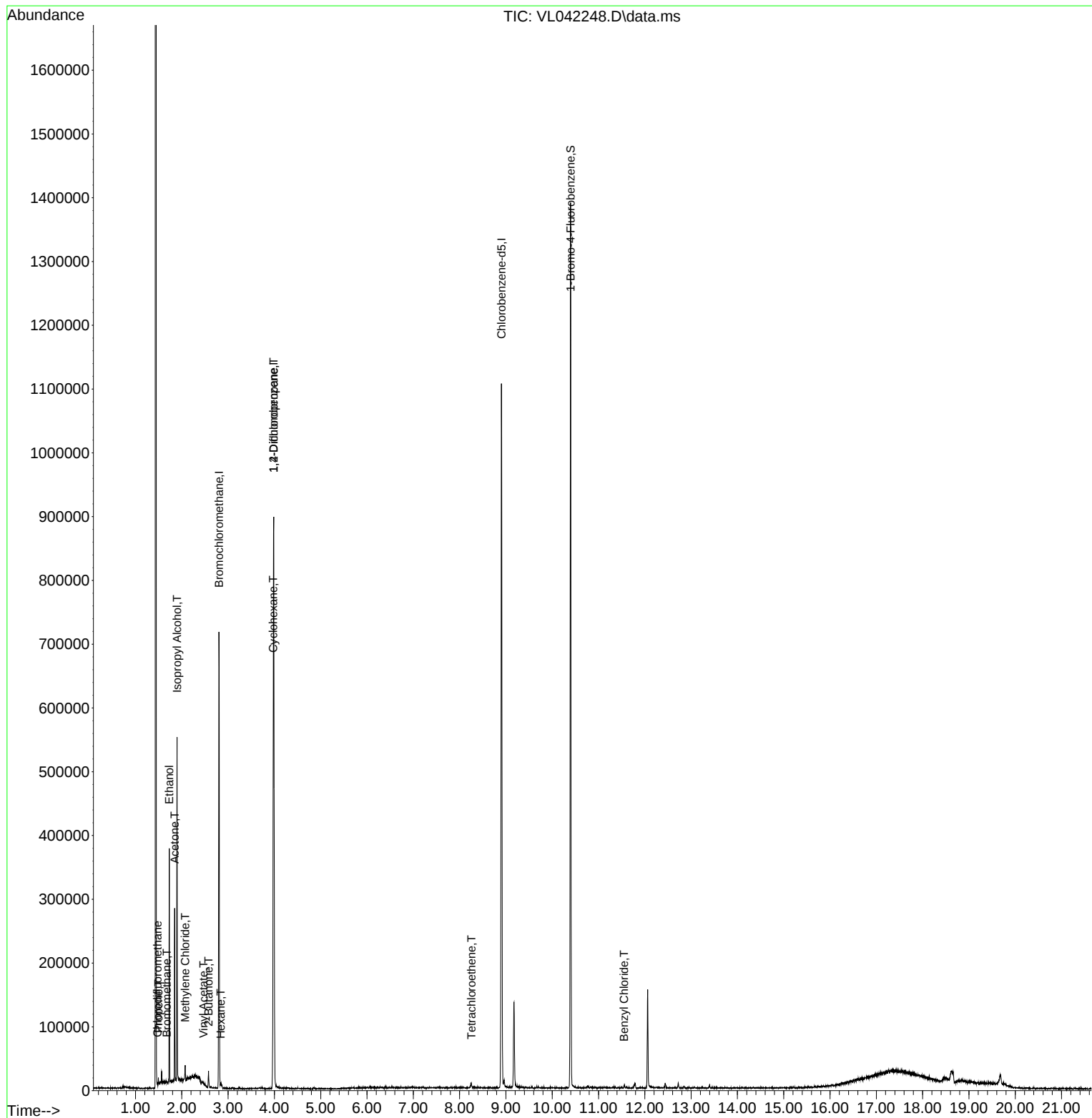
Internal Standards						
1) Bromochloromethane	2.803	49	194329	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.984	114	493793	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	430982	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	333104	9.412	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.473	51	1509	0.051	ppbv #	78
6) Bromomethane	1.677	94	163	0.031	ppbv #	4
9) Propene	1.495	41	1074	0.080	ppbv #	38
13) Ethanol	1.728	45	126102	99.289	ppbv	83
15) Acetone	1.845	43	110494	4.066	ppbv	96
19) Isopropyl Alcohol	1.897	45	223285	14.561	ppbv #	32
20) Methylene Chloride	2.075	84	3332	0.329	ppbv	95
23) Vinyl Acetate	2.473	43	454	0.039	ppbv #	1
26) Hexane	2.842	57	1191	0.044	ppbv #	56
30) Cyclohexane	3.975	84	1517	0.064	ppbv #	1
34) 2-Butanone	2.576	43	14984	0.418	ppbv	97
39) 1,2-Dichloropropane	3.984	63	129039	7.238	ppbv #	22
52) Tetrachloroethene	8.254	164	722	0.037	ppbv #	62
66) Benzyl Chloride	11.552	91	294	0.033	ppbv #	66

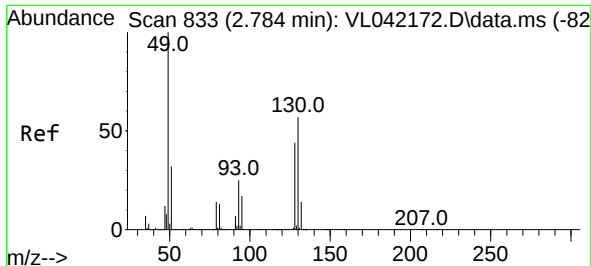
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.803 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042248.D

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Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-3-03312025DL

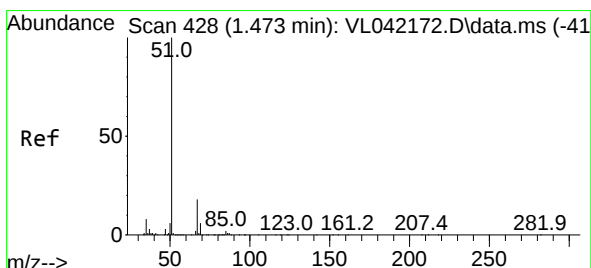
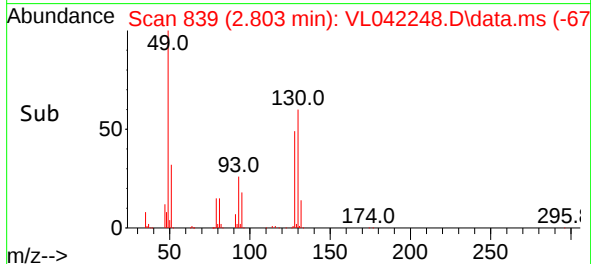
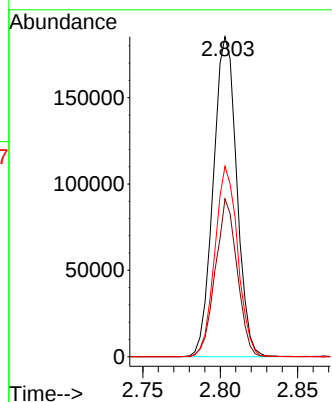
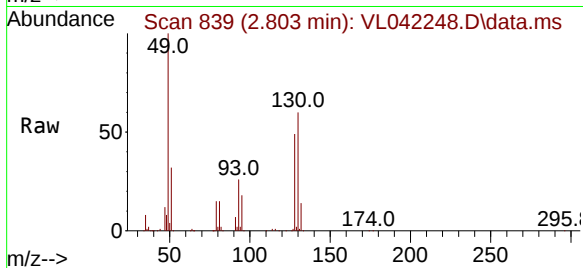
Tgt Ion: 49 Resp: 194329

Ion Ratio Lower Upper

49 100

128 46.0 22.9 68.5

130 58.3 28.8 86.4



#3

Chlorodifluoromethane

Concen: 0.051 ppbv

RT: 1.473 min Scan# 428

Delta R.T. -0.000 min

Lab File: VL042248.D

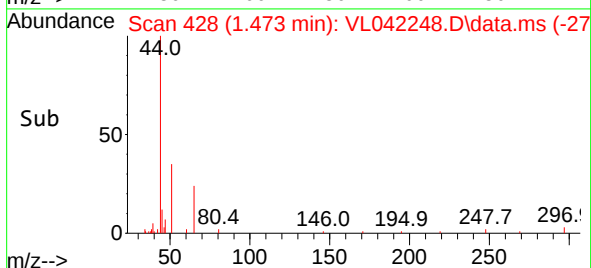
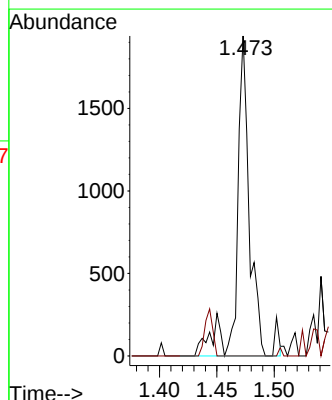
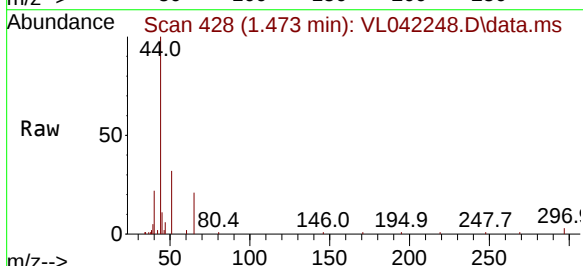
Acq: 08 Apr 2025 00:12

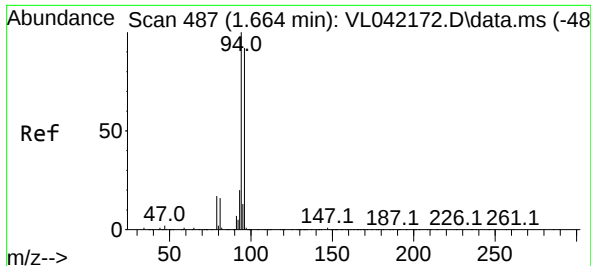
Tgt Ion: 51 Resp: 1509

Ion Ratio Lower Upper

51 100

67 9.0 15.0 22.6#

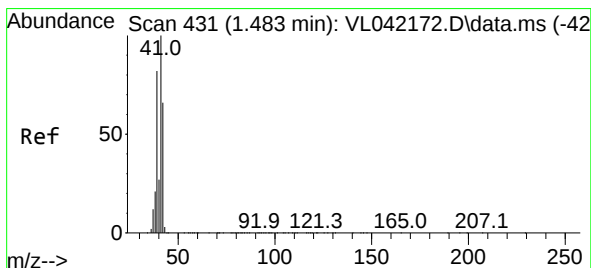
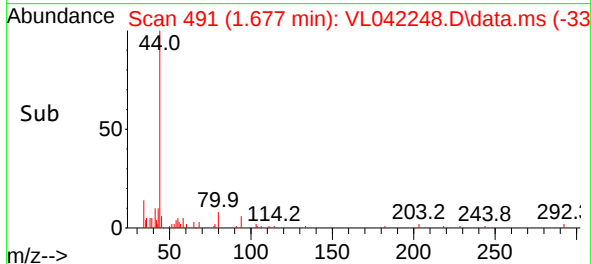
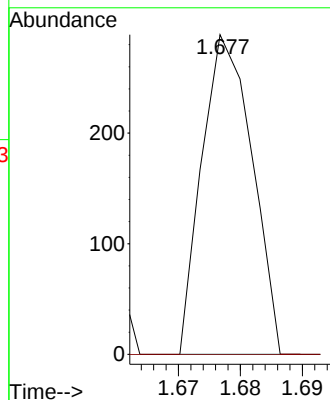
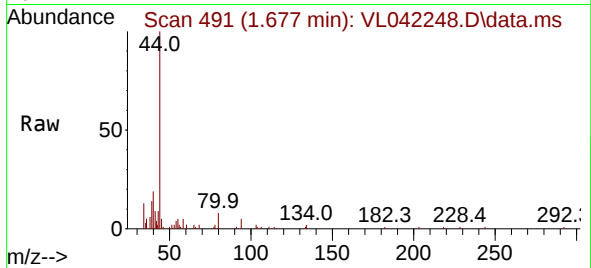




#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.677 min Scan# 491
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

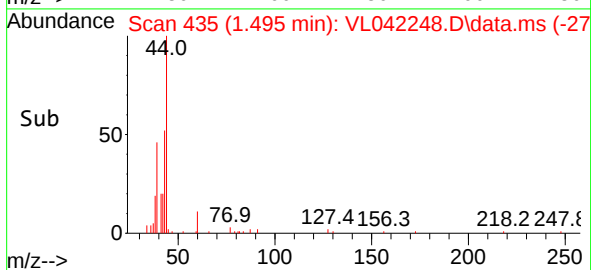
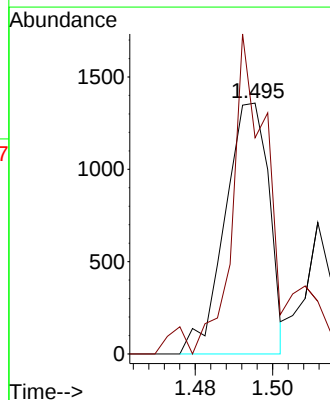
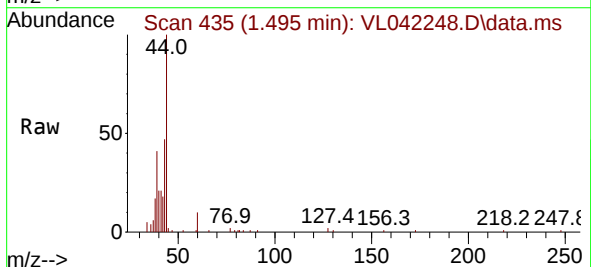
Instrument :
MSVOA_L
ClientSampleId :
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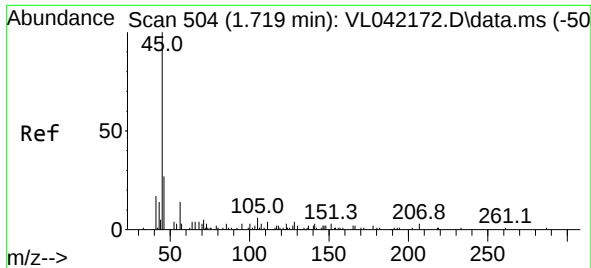
Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#9
Propene
Concen: 0.080 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 41 Resp: 1074
Ion Ratio Lower Upper
41 100
42 119.6 55.4 83.2#

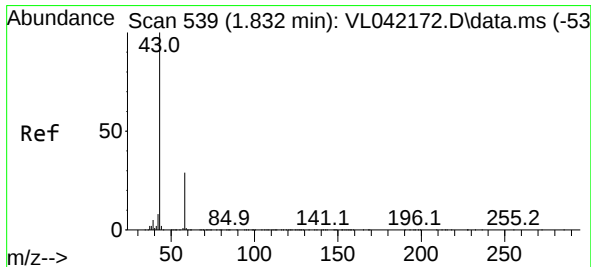
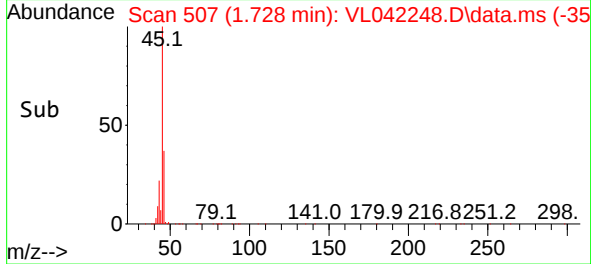
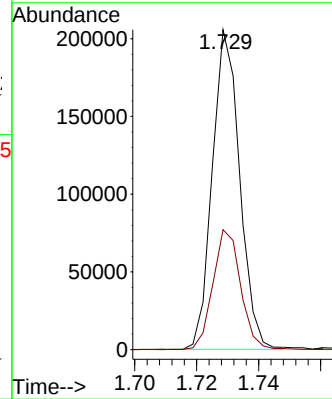
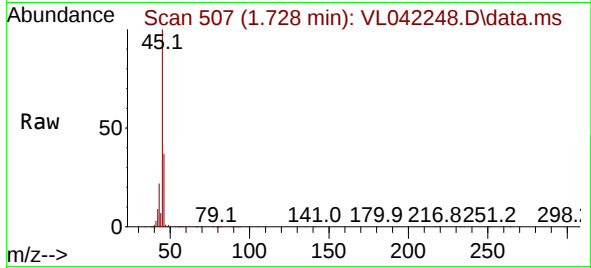




#13
Ethanol
Concen: 99.289 ppbv
RT: 1.728 min Scan# 504
Delta R.T. 0.009 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

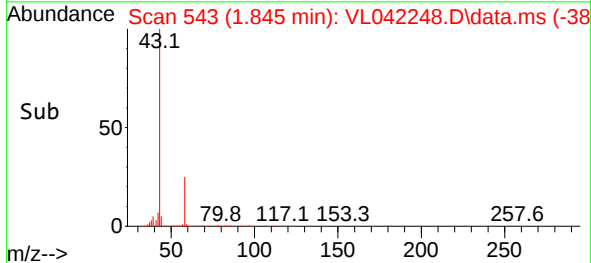
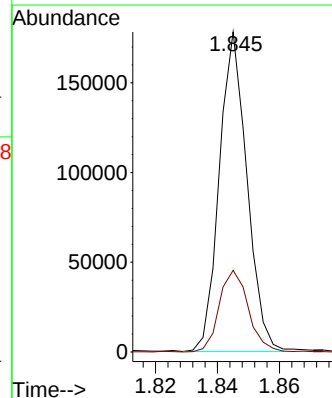
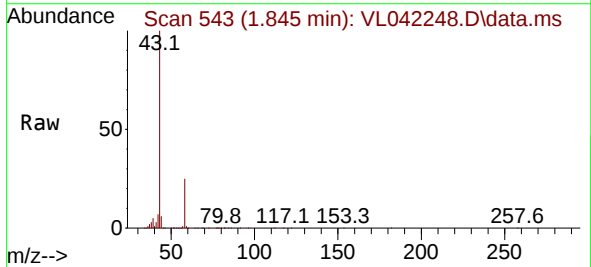
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

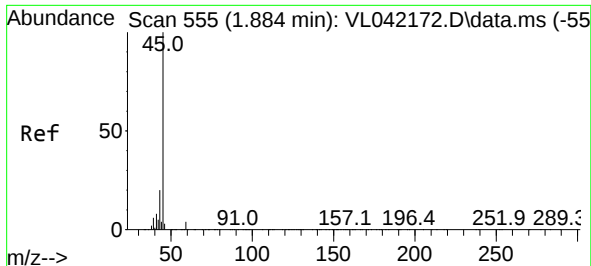
Tgt Ion: 45 Resp: 126102
Ion Ratio Lower Upper
45 100
46 38.8 20.2 80.8



#15
Acetone
Concen: 4.066 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 43 Resp: 110494
Ion Ratio Lower Upper
43 100
58 27.1 23.2 34.8

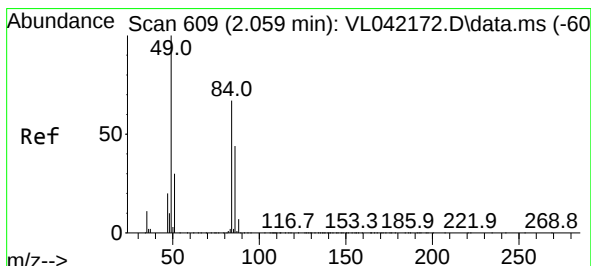
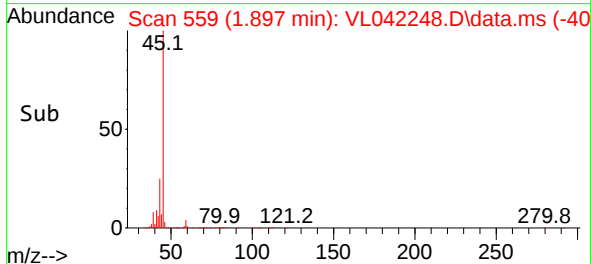
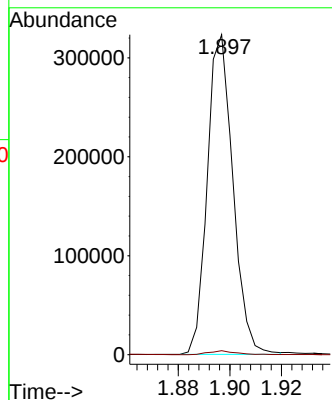
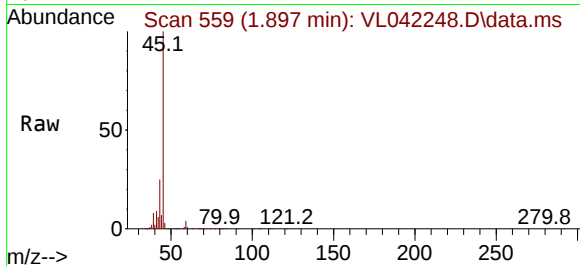




#19
Isopropyl Alcohol
Concen: 14.561 ppbv
RT: 1.897 min Scan# 51
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

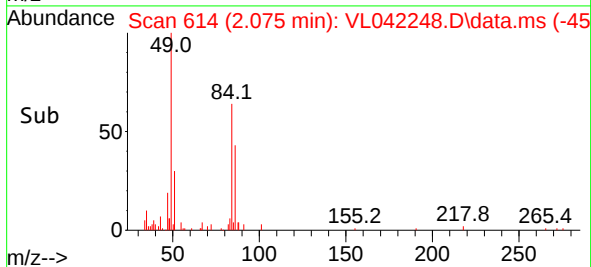
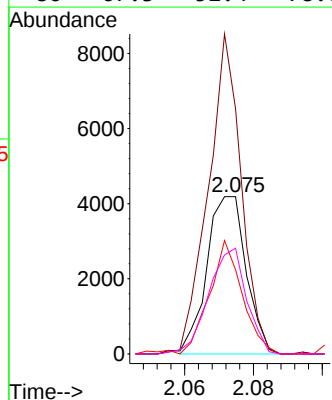
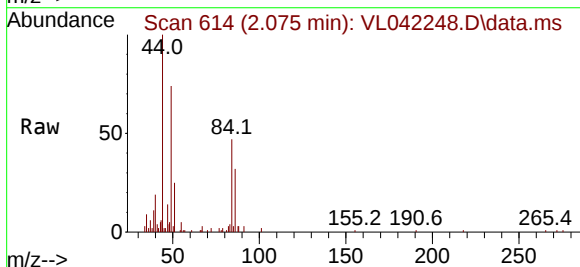
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

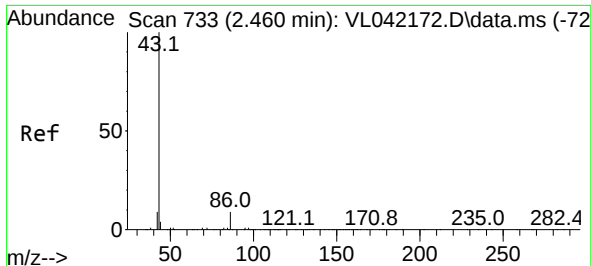
Tgt Ion: 45 Resp: 223285
Ion Ratio Lower Upper
45 100
58 1.4 36.9 55.3#



#20
Methylene Chloride
Concen: 0.329 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 84 Resp: 3332
Ion Ratio Lower Upper
84 100
49 155.9 120.2 180.4
51 53.5 37.4 56.0
86 67.3 52.4 78.6

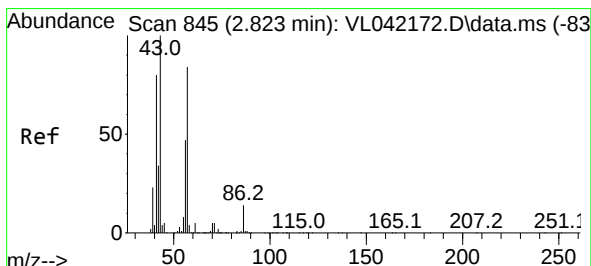
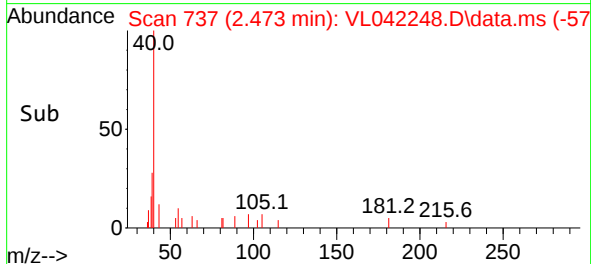
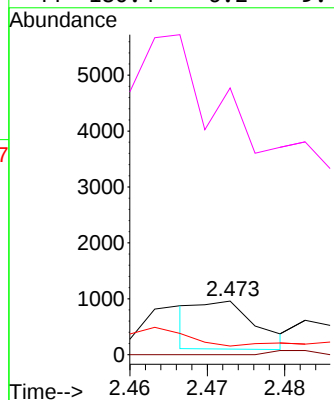
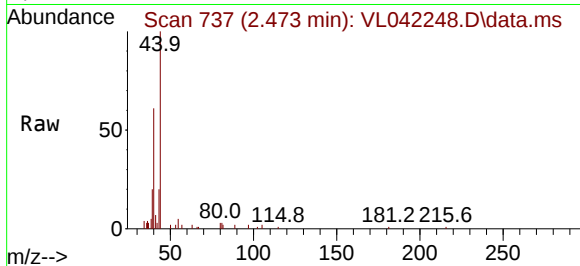




#23
Vinyl Acetate
Concen: 0.039 ppbv
RT: 2.473 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

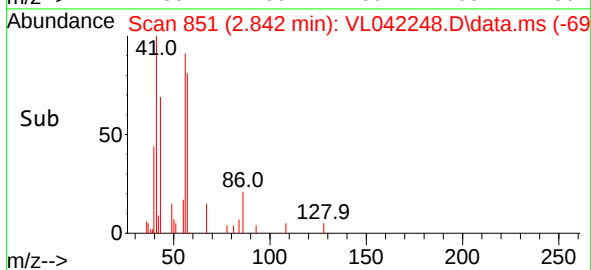
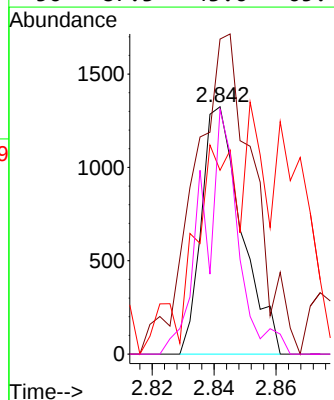
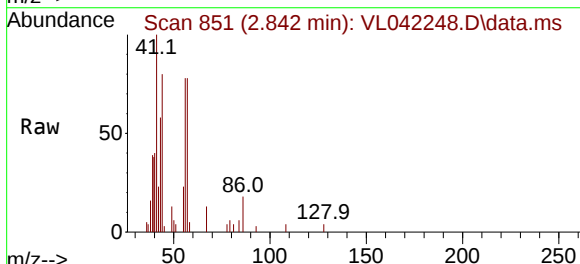
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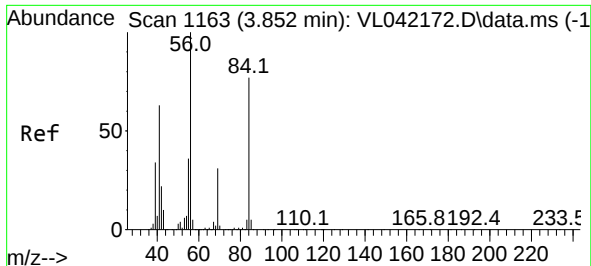
Tgt Ion:	43	Resp:	454
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	0.0	8.6	13.0#
44	180.4	6.2	9.4#



#26
Hexane
Concen: 0.044 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:	57	Resp:	1191
Ion	Ratio	Lower	Upper
57	100		
41	219.1	76.6	114.8#
43	237.4	207.8	311.8
56	87.3	43.6	65.4#

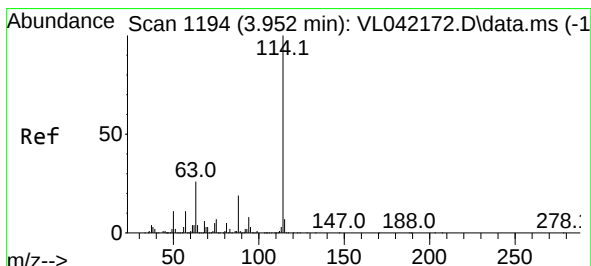
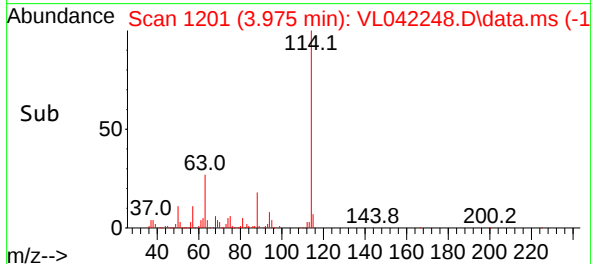
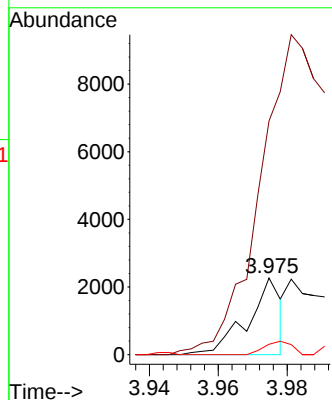
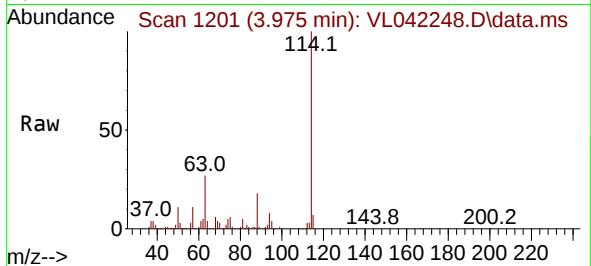




#30
Cyclohexane
Concen: 0.064 ppbv
RT: 3.975 min Scan# 1163
Delta R.T. 0.123 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

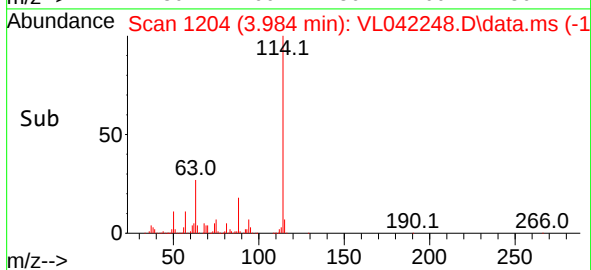
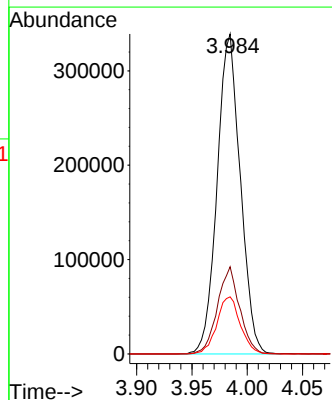
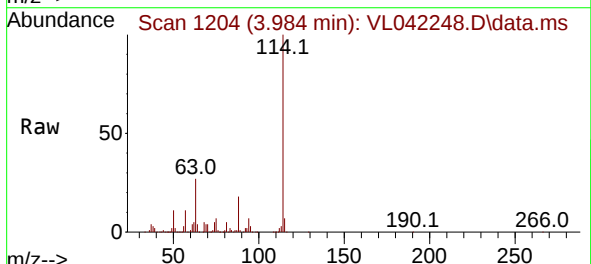
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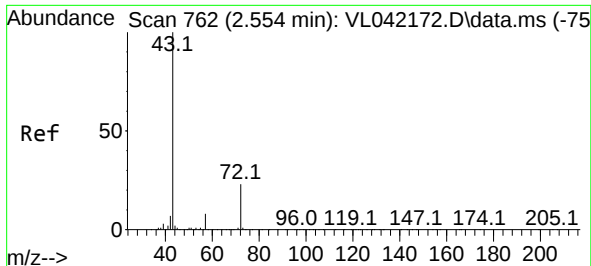
Tgt Ion: 84 Resp: 1517
Ion Ratio Lower Upper
84 100
56 0.0 102.8 154.2#
41 4.4 66.5 99.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 114 Resp: 493793
Ion Ratio Lower Upper
114 100
63 26.2 20.7 31.1
88 18.0 15.0 22.4

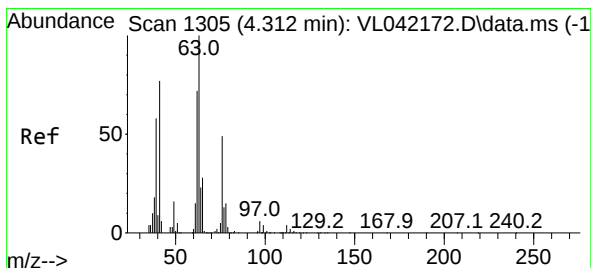
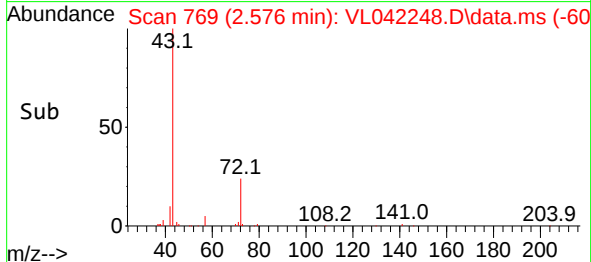
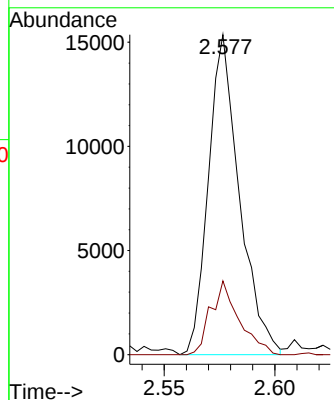
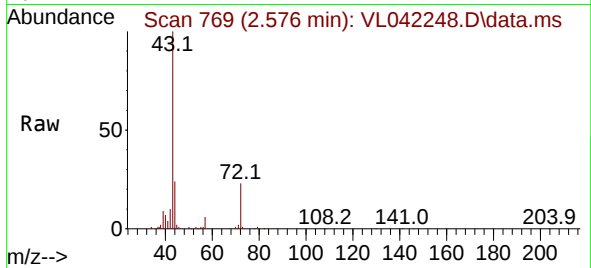




#34
2-Butanone
Concen: 0.418 ppbv
RT: 2.576 min Scan# 70
Delta R.T. 0.022 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

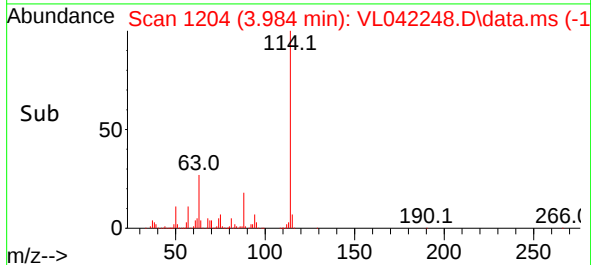
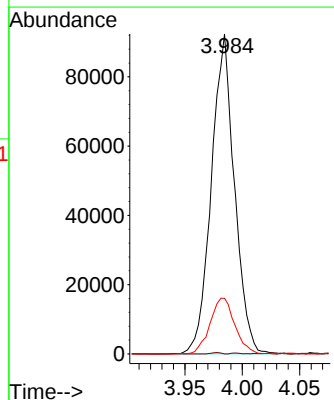
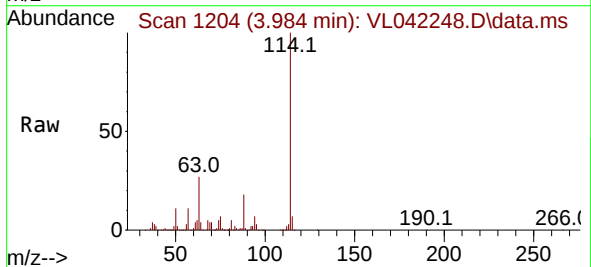
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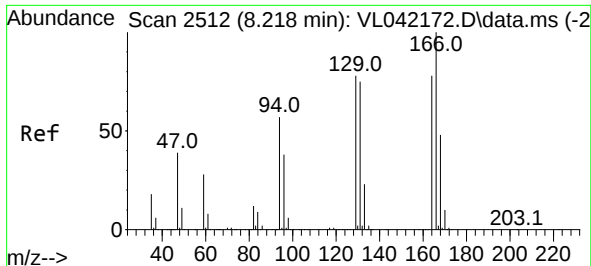
Tgt Ion: 43 Resp: 14984
Ion Ratio Lower Upper
43 100
72 21.3 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.238 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 63 Resp: 129039
Ion Ratio Lower Upper
63 100
41 0.2 61.7 92.5#
62 17.3 57.6 86.4#

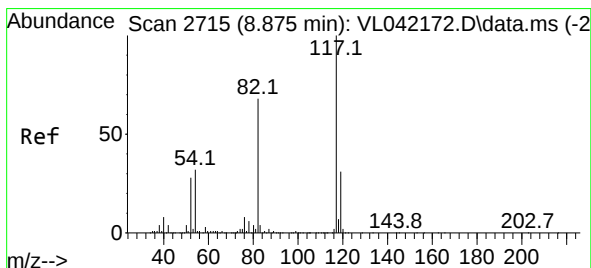
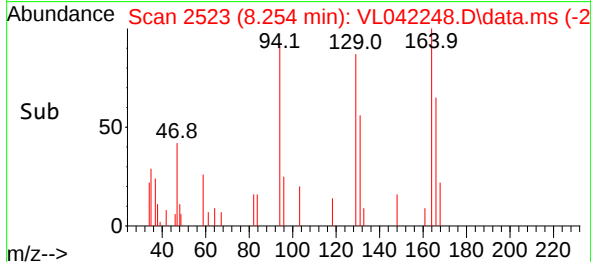
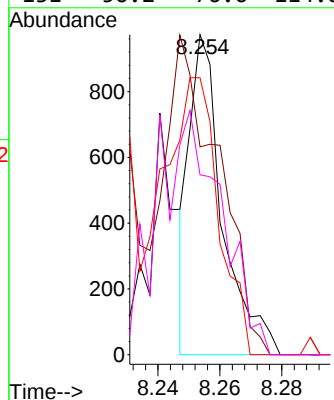
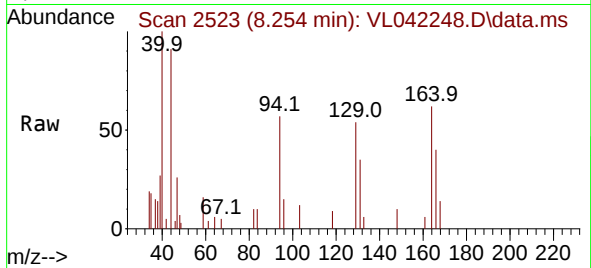




#52
Tetrachloroethene
Concen: 0.037 ppbv
RT: 8.254 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

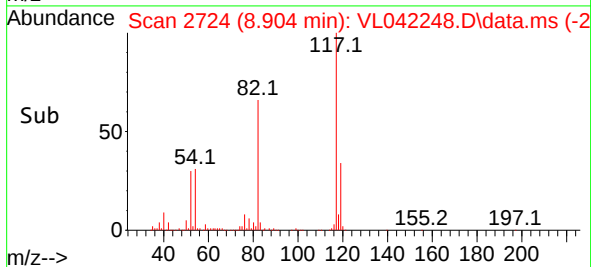
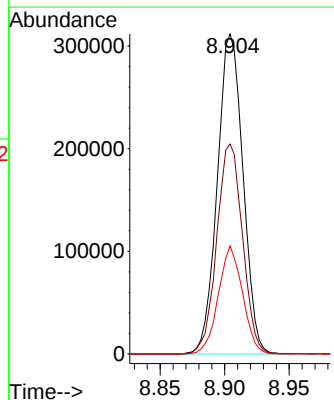
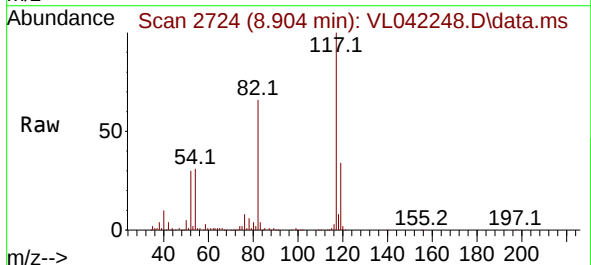
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

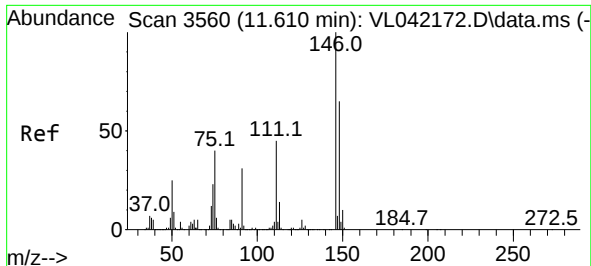
Tgt Ion:164 Resp: 722
Ion Ratio Lower Upper
164 100
166 65.0 102.5 153.7#
129 86.5 79.8 119.8
131 56.2 76.6 114.8#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:117 Resp: 430982
Ion Ratio Lower Upper
117 100
82 65.8 55.8 83.6
119 31.8 25.5 38.3

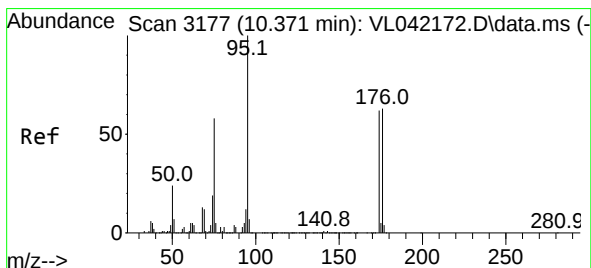
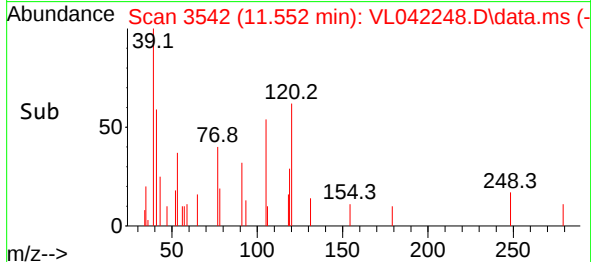
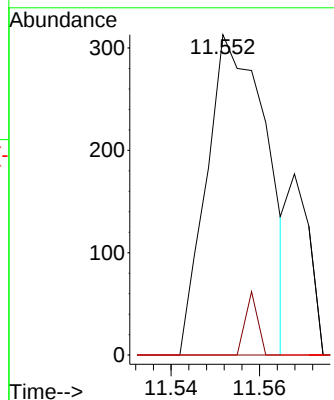
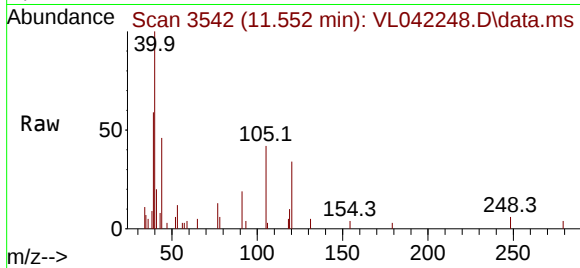




#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 11.552 min Scan# 3185
Delta R.T. -0.059 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

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

Tgt Ion: 91 Resp: 294
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.6#
128 0.0 4.5 6.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.412 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 95 Resp: 333104
Ion Ratio Lower Upper
95 100
174 60.2 50.6 76.0
175 4.3 3.8 5.6

