

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042082.D
 Acq On : 03 Mar 2025 17:55
 Operator : SY/MD
 Sample : Q1430-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Mar 04 00:20:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

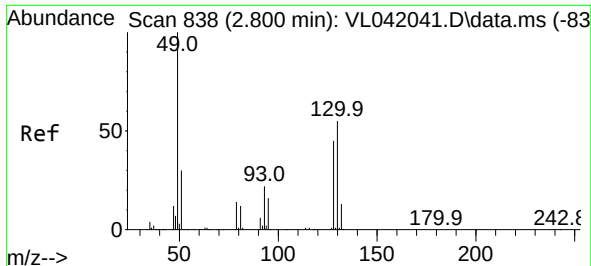
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	163345	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	361923	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	302484	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	218838	9.404	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.000%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	1083	0.112	ppbv	84
13) Ethanol	1.722	45	8052	13.115	ppbv #	33
15) Acetone	1.835	43	10453	0.725	ppbv #	74
16) 1,3-Butadiene	1.602	39	1278	0.190	ppbv #	12
17) tert-Butyl alcohol	2.049	59	733	0.041	ppbv #	52
19) Isopropyl Alcohol	1.722	45	8052	0.972	ppbv	90
20) Methylene Chloride	2.062	84	1664	0.305	ppbv #	85
26) Hexane	2.826	57	1053	0.045	ppbv #	39
34) 2-Butanone	2.560	43	20922	0.742	ppbv	95
39) 1,2-Dichloropropane	3.955	63	96472	6.708	ppbv #	24
53) Toluene	6.923	91	1921	0.045	ppbv #	20
66) Benzyl Chloride	11.529	91	147	0.032	ppbv #	87

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

Quant Time: Mar 04 00:20:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL02252SAIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

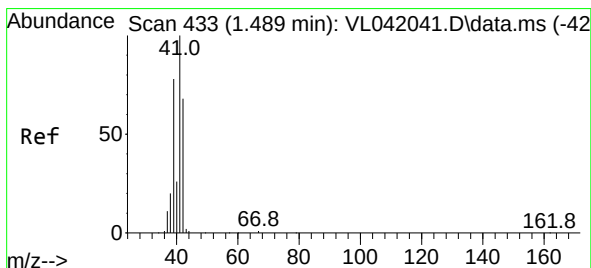
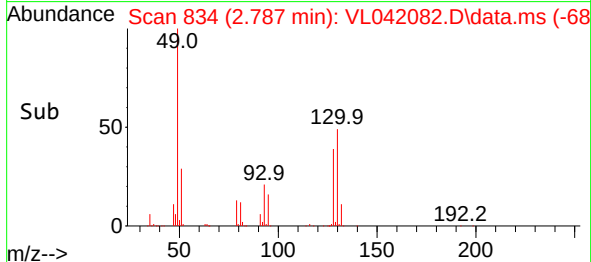
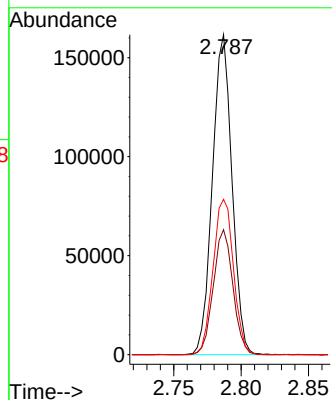
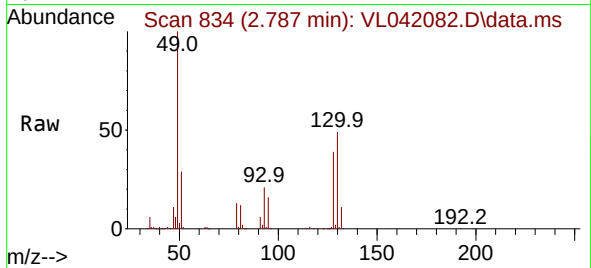




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042082.D
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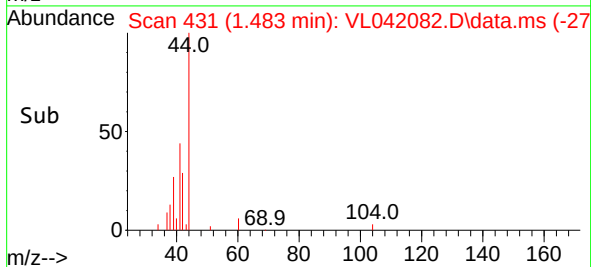
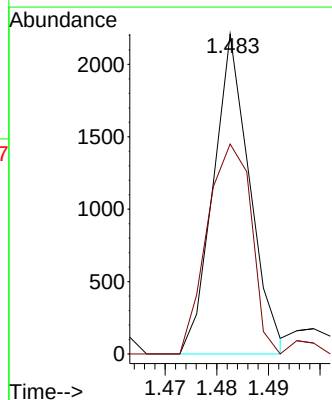
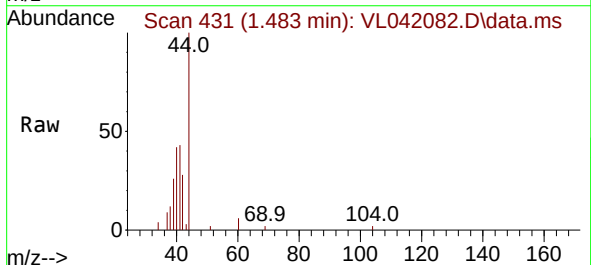
Instrument :
MSVOA_L
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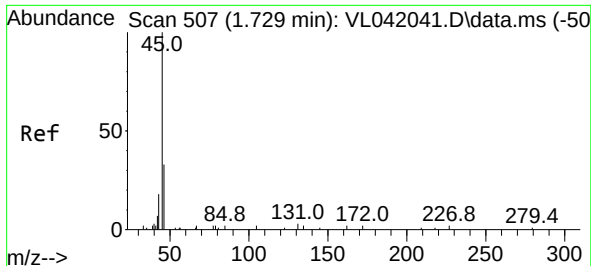
Tgt Ion: 49 Resp: 163345
Ion Ratio Lower Upper
49 100
128 39.1 21.6 64.8
130 50.8 27.8 83.4



#9
Propene
Concen: 0.112 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.007 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 41 Resp: 1083
Ion Ratio Lower Upper
41 100
42 82.5 55.8 83.6

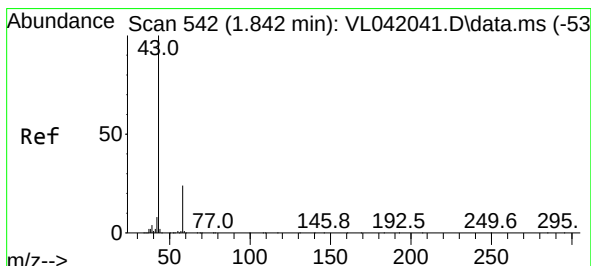
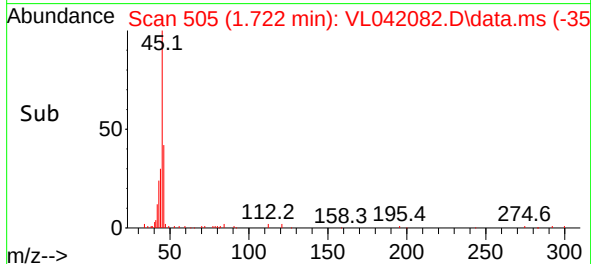
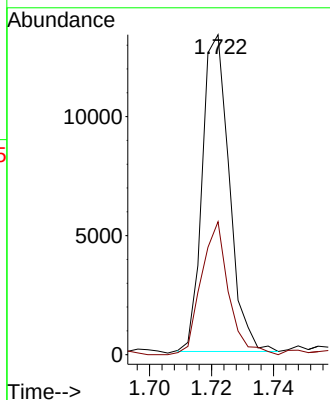
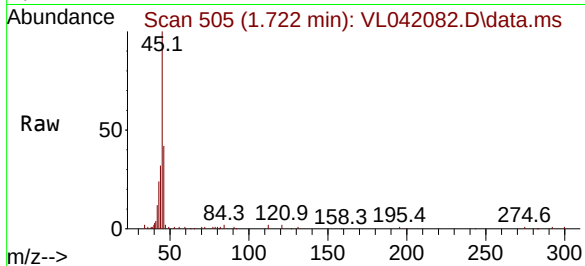




#13
Ethanol
Concen: 13.115 ppbv
RT: 1.722 min Scan# 50
Delta R.T. -0.007 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

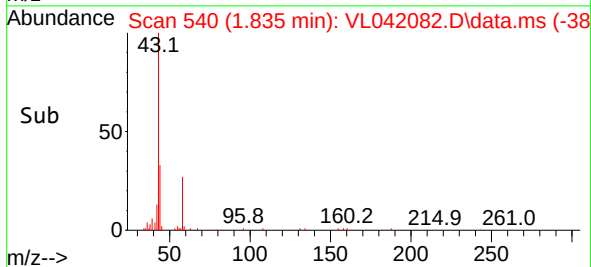
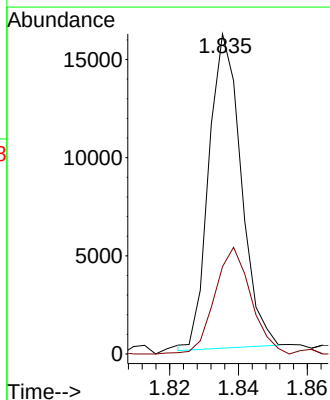
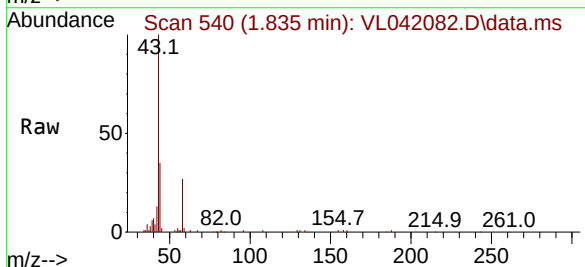
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

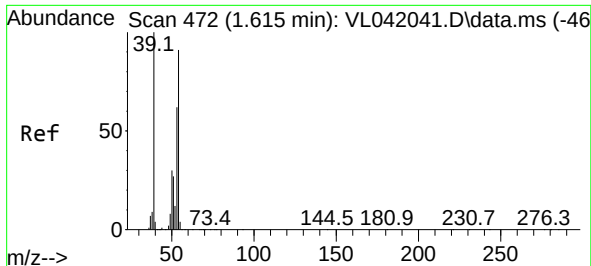
Tgt Ion: 45 Resp: 8052
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.725 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.007 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 43 Resp: 10453
Ion Ratio Lower Upper
43 100
58 39.0 20.7 31.1#





#16

1,3-Butadiene

Concen: 0.190 ppbv

RT: 1.602 min Scan# 4

Delta R.T. -0.013 min

Lab File: VL042082.D

Acq: 03 Mar 2025 17:55

Instrument :

MSVOA_L

ClientSampleId :

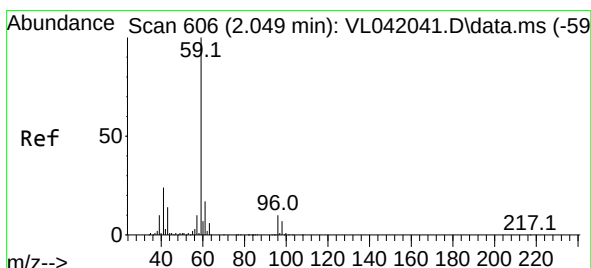
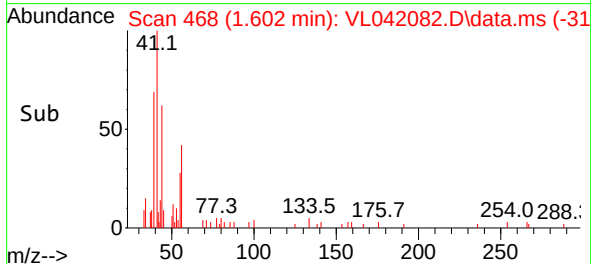
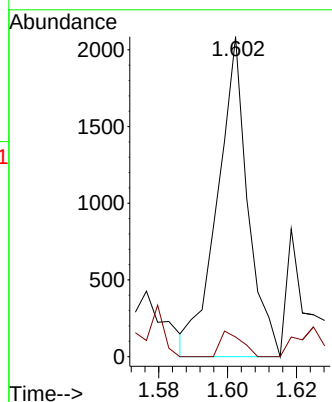
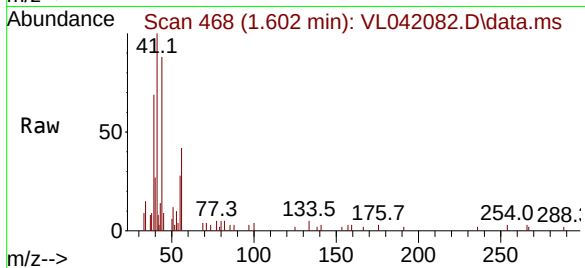
SV2DL

Tgt Ion: 39 Resp: 1278

Ion Ratio Lower Upper

39 100

54 0.0 59.6 89.4#



#17

tert-Butyl alcohol

Concen: 0.041 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.000 min

Lab File: VL042082.D

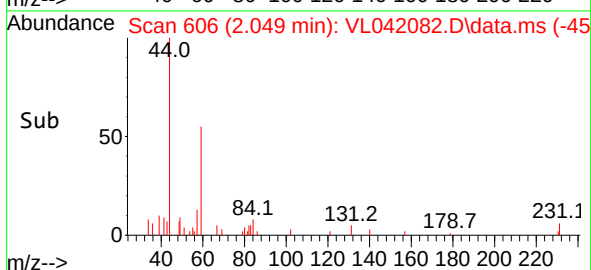
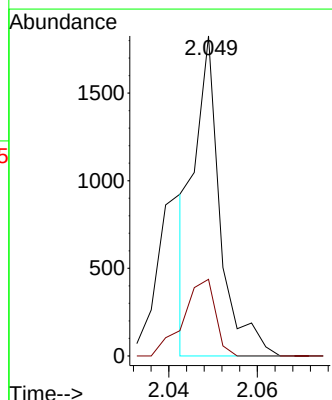
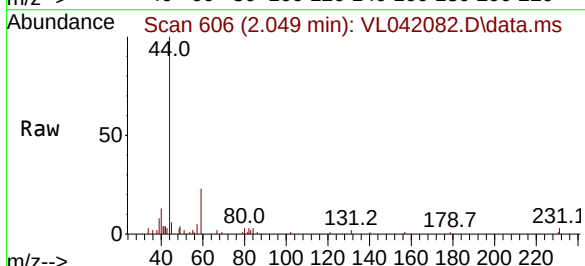
Acq: 03 Mar 2025 17:55

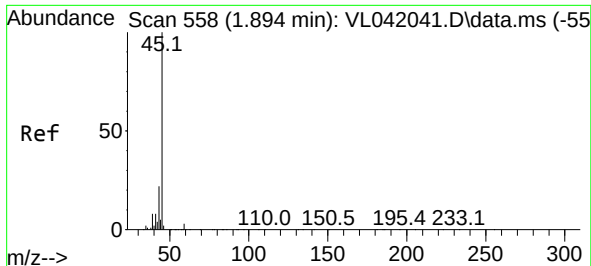
Tgt Ion: 59 Resp: 733

Ion Ratio Lower Upper

59 100

57 30.0 9.3 13.9#

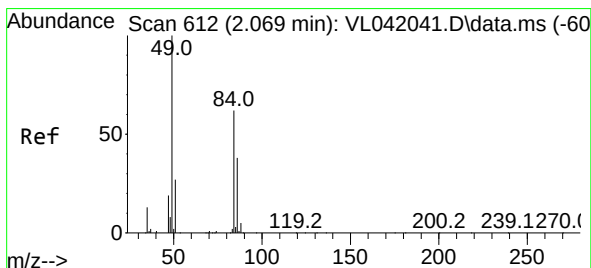
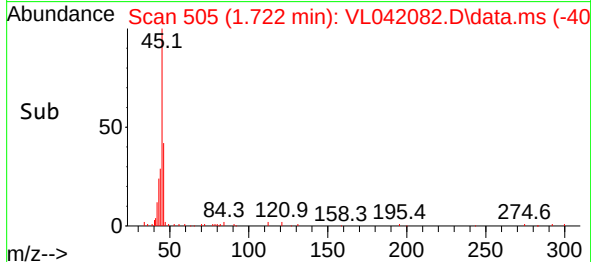
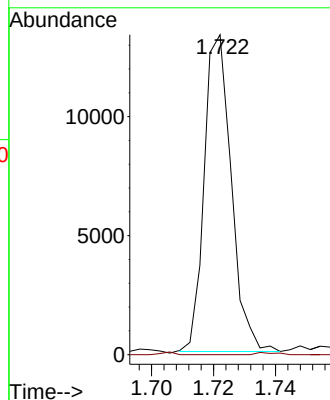
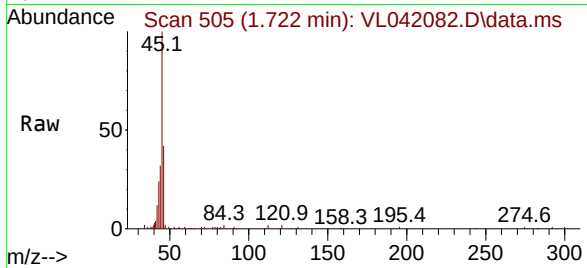




#19
Isopropyl Alcohol
Concen: 0.972 ppbv
RT: 1.722 min Scan# 50
Delta R.T. -0.172 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

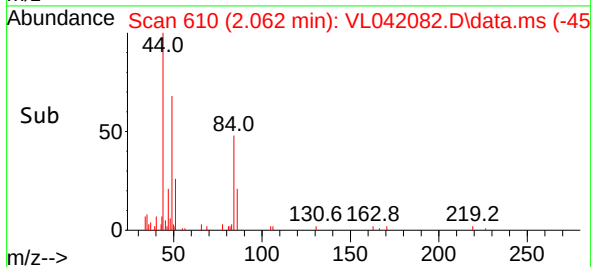
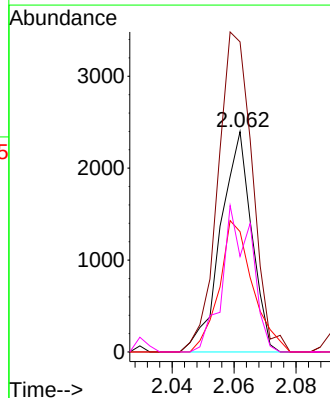
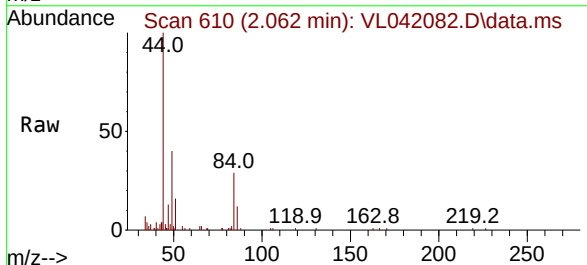
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

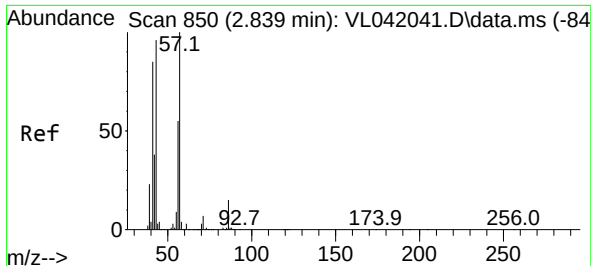
Tgt Ion: 45 Resp: 8052
Ion Ratio Lower Upper
45 100
58 50.7 35.3 52.9



#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.007 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 84 Resp: 1664
Ion Ratio Lower Upper
84 100
49 146.2 130.0 195.0
51 54.6 37.4 56.0
86 43.3 48.6 72.8#

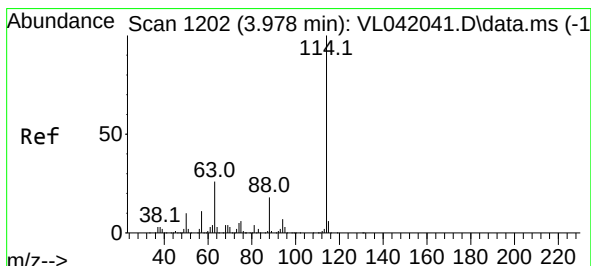
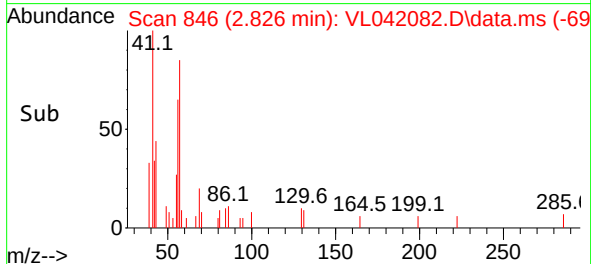
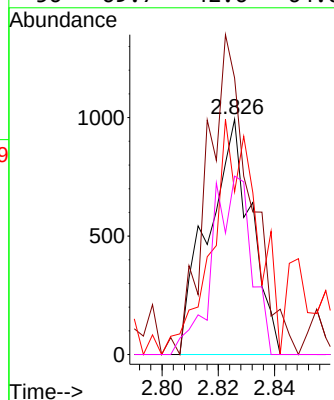
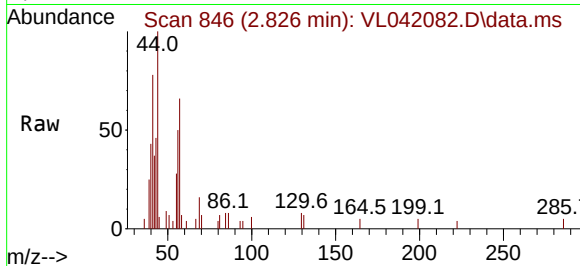




#26
Hexane
Concen: 0.045 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.013 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

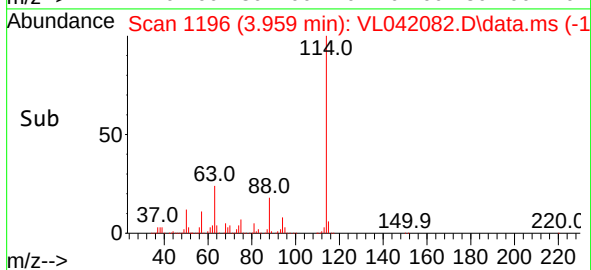
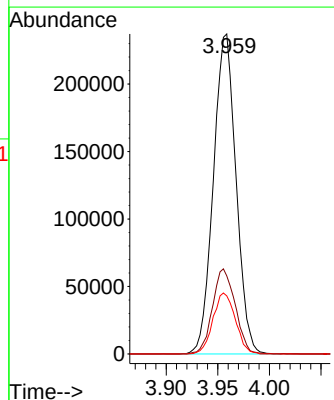
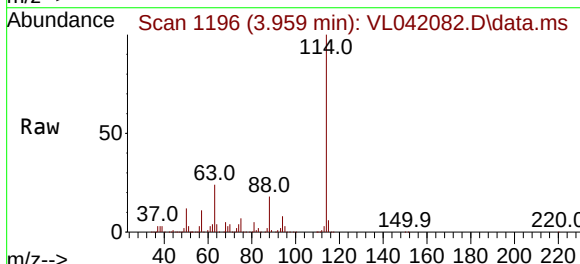
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

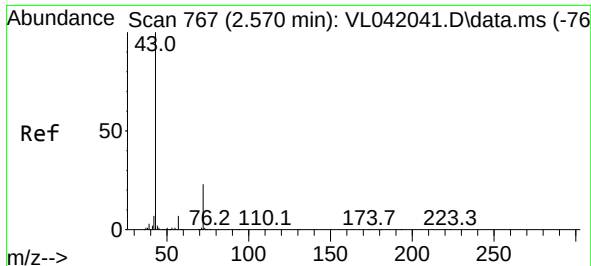
Tgt Ion: 57	Resp: 1053
Ion Ratio	Lower Upper
57 100	
41 154.9	70.6 106.0#
43 134.2	199.4 299.0#
56 69.7	42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.020 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 114	Resp: 361923
Ion Ratio	Lower Upper
114 100	
63 26.7	20.1 30.1
88 18.8	14.3 21.5

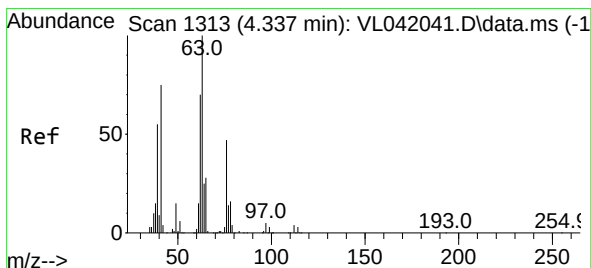
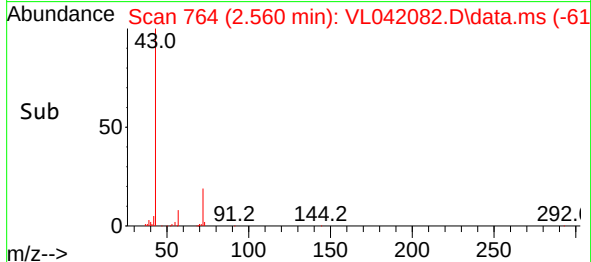
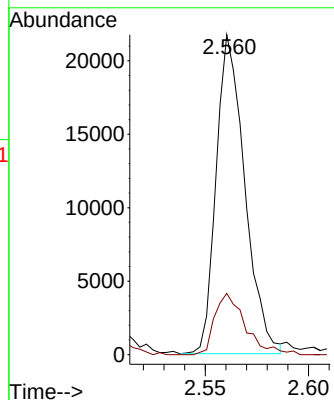
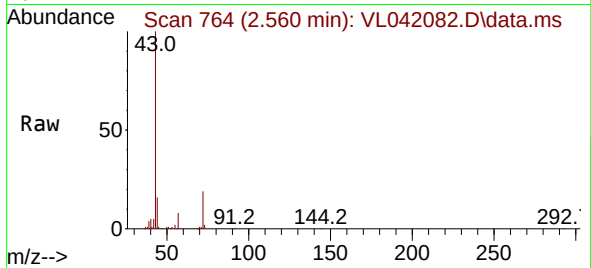




#34
2-Butanone
Concen: 0.742 ppbv
RT: 2.560 min Scan# 70
Delta R.T. -0.010 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

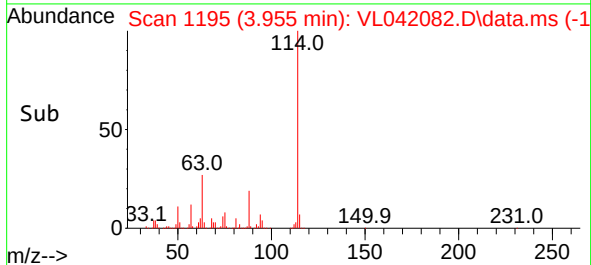
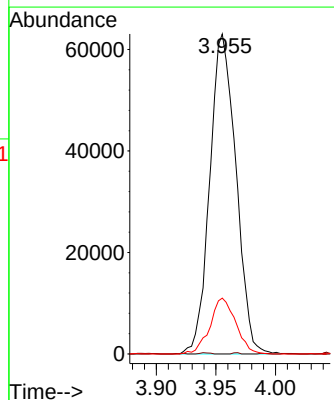
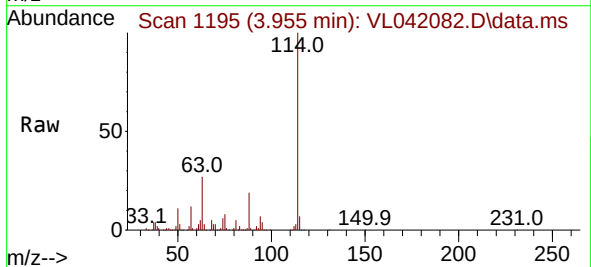
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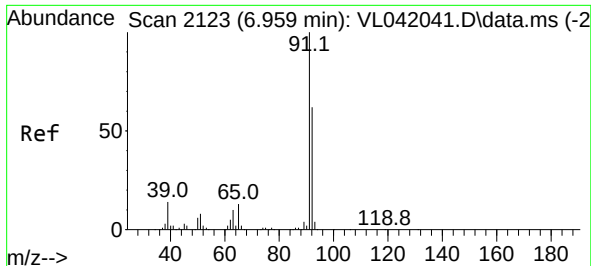
Tgt Ion: 43 Resp: 20922
Ion Ratio Lower Upper
43 100
72 20.7 18.5 27.7



#39
1,2-Dichloropropane
Concen: 6.708 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.382 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 63 Resp: 96472
Ion Ratio Lower Upper
63 100
41 0.0 60.1 90.1#
62 17.4 55.8 83.8#

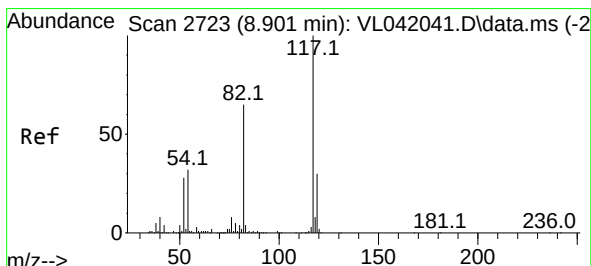
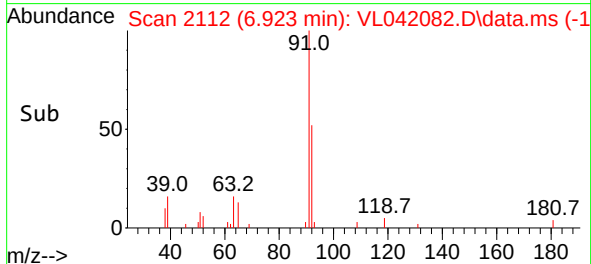
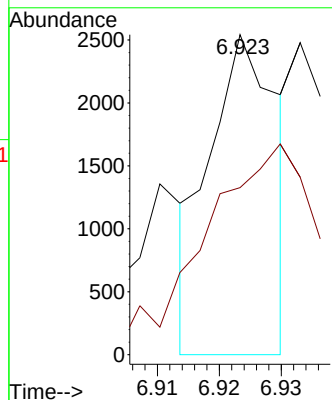
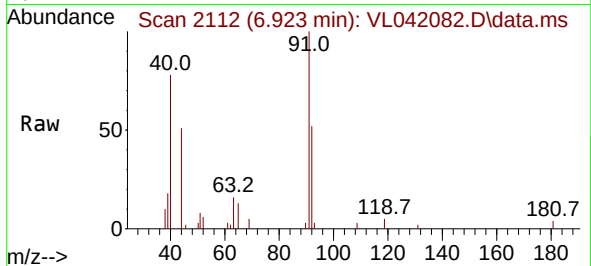




#53
Toluene
Concen: 0.045 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.036 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

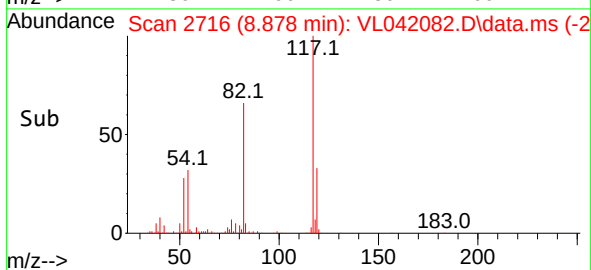
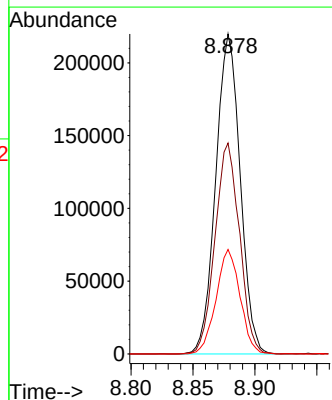
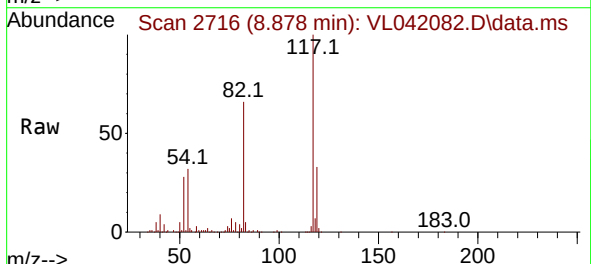
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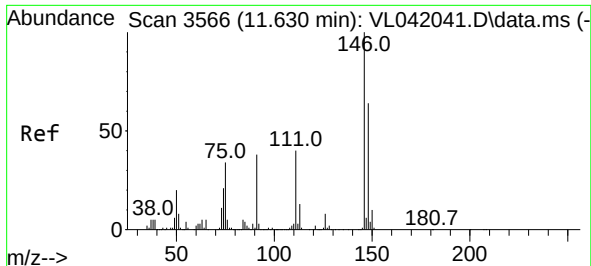
Tgt Ion: 91 Resp: 1921
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.023 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 117 Resp: 302484
Ion Ratio Lower Upper
117 100
82 66.0 55.0 82.6
119 32.0 25.9 38.9

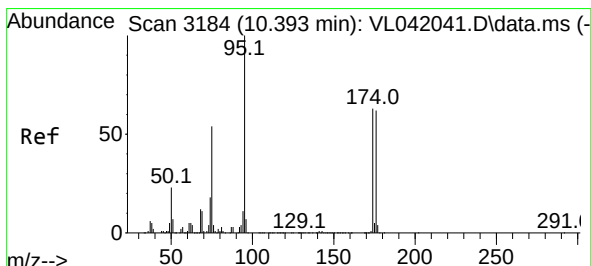
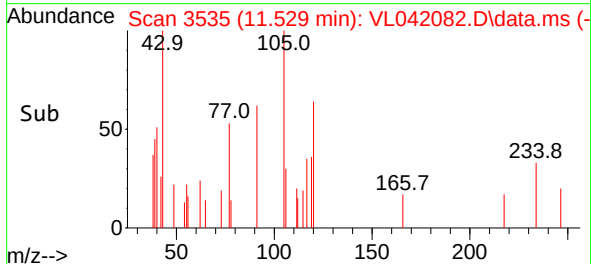
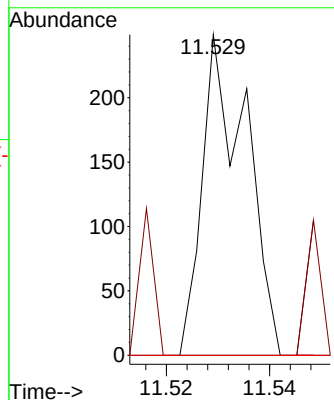
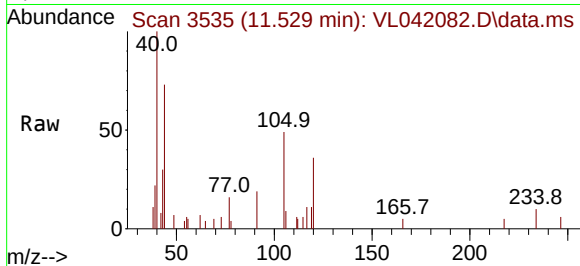




#66
Benzyl Chloride
Concen: 0.032 ppbv
RT: 11.529 min Scan# 3178
Delta R.T. -0.101 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 147
Ion Ratio Lower Upper
91 100
126 13.6 14.5 21.7#
128 0.0 5.4 8.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.404 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.020 min
Lab File: VL042082.D
Acq: 03 Mar 2025 17:55

Tgt Ion: 95 Resp: 218838
Ion Ratio Lower Upper
95 100
174 61.8 51.8 77.6
175 4.3 3.9 5.9

