

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043255.D
 Acq On : 20 Nov 2025 08:08
 Operator : SY/MD
 Sample : Q3626-12DL2 1200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 16-SG-1DL2

Quant Time: Nov 21 00:09:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

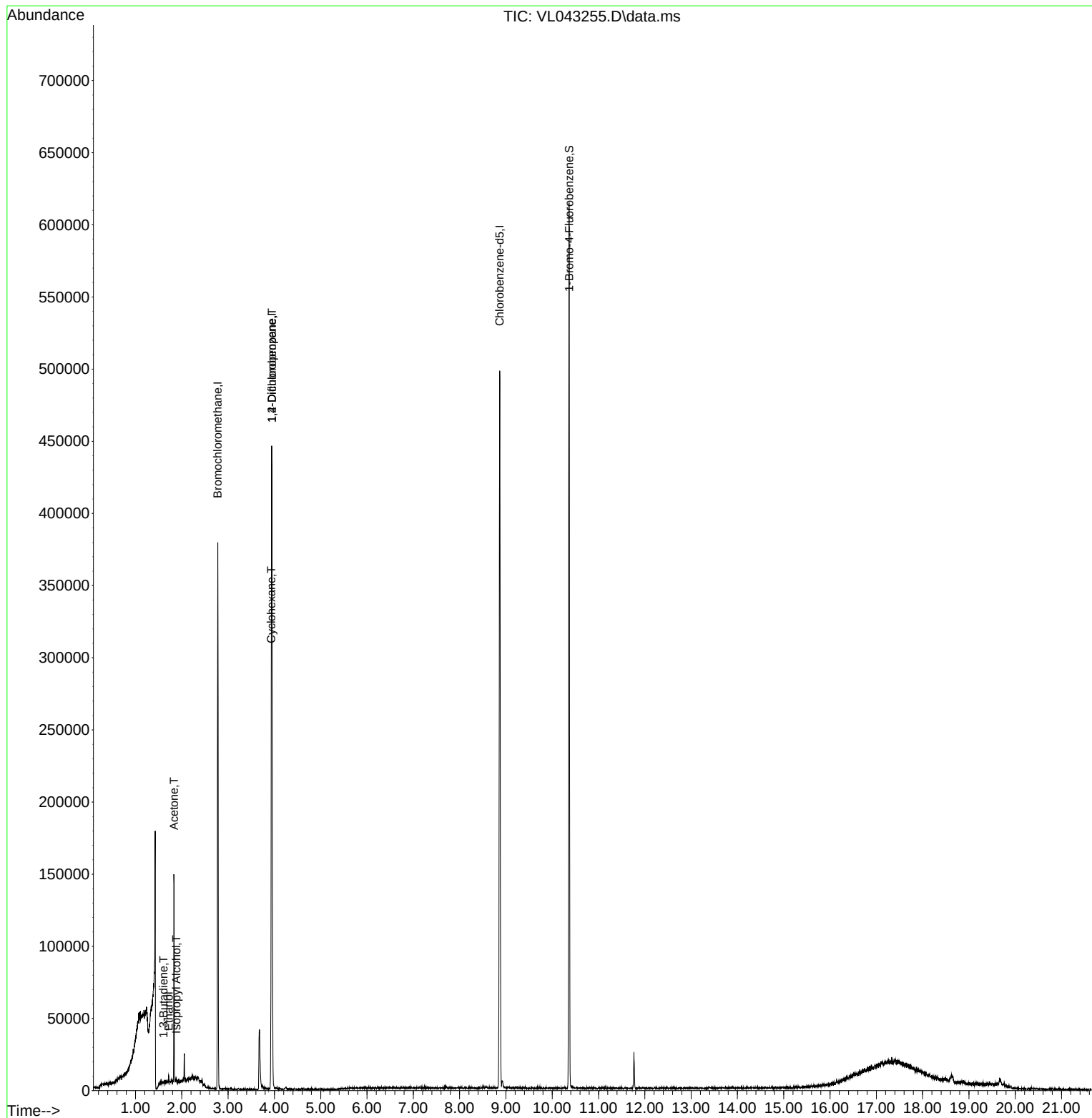
Internal Standards						
1) Bromochloromethane	2.777	49	95392	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	258226	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	200083	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	141617	9.656	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	2004	1.014	ppbv	87
15) Acetone	1.829	43	62374	4.706	ppbv	100
16) 1,3-Butadiene	1.606	39	230	0.039	ppbv #	12
19) Isopropyl Alcohol	1.881	45	1094	0.146	ppbv #	36
20) Methylene Chloride	2.056	84	2841	Below Cal	#	76
30) Cyclohexane	3.933	84	521	0.050	ppbv #	18
39) 1,2-Dichloropropane	3.946	63	66347	7.330	ppbv #	24

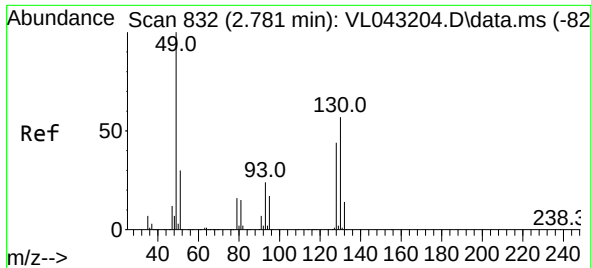
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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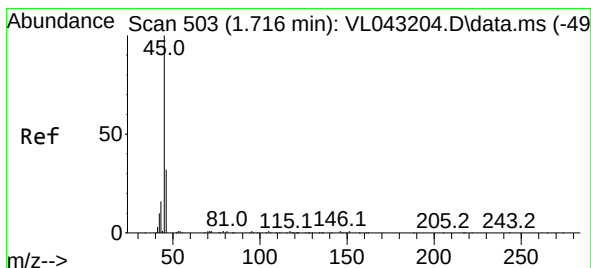
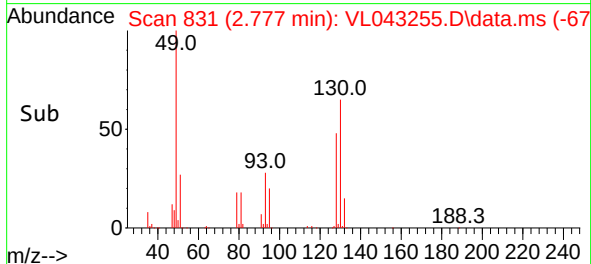
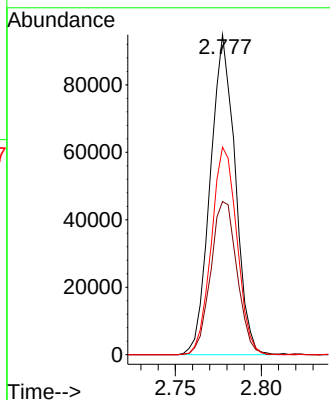
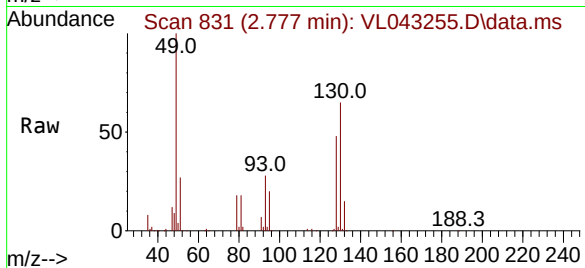




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

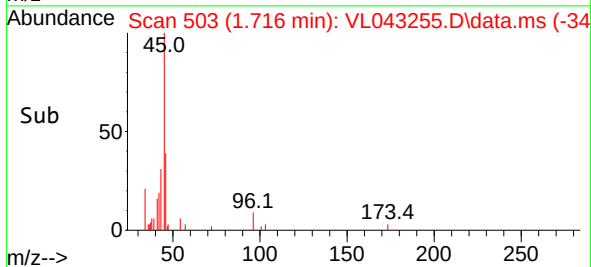
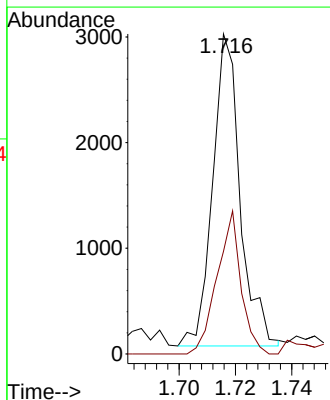
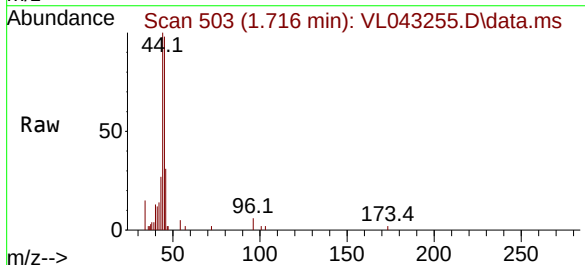
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL2

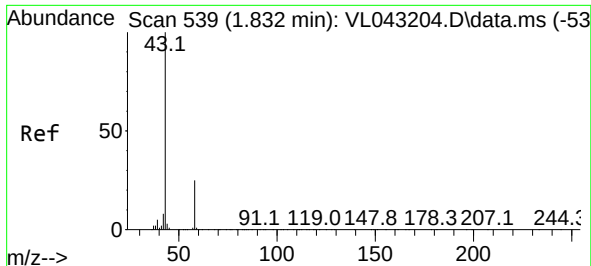
Tgt Ion: 49 Resp: 95392
Ion Ratio Lower Upper
49 100
128 50.8 23.0 69.0
130 66.6 29.9 89.7



#13
Ethanol
Concen: 1.014 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

Tgt Ion: 45 Resp: 2004
Ion Ratio Lower Upper
45 100
46 45.1 15.0 59.8

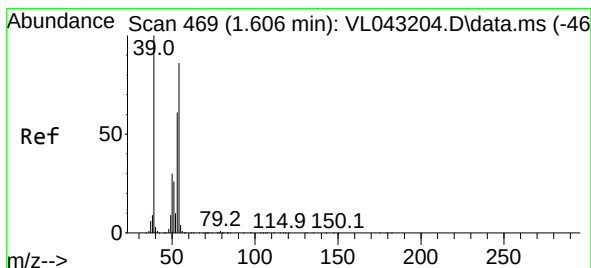
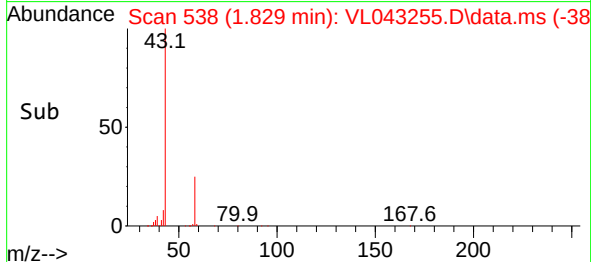
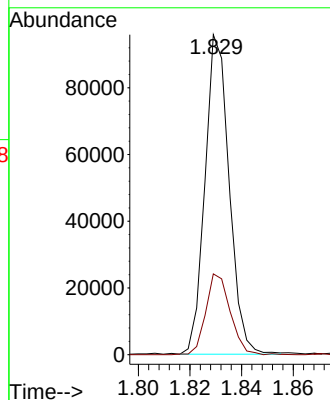
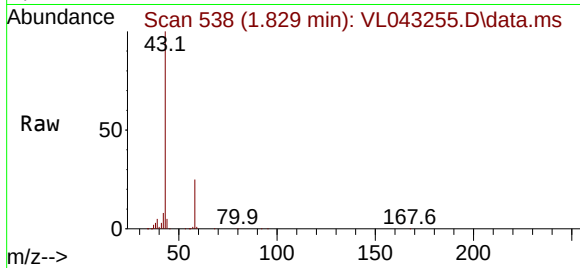




#15
Acetone
Concen: 4.706 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

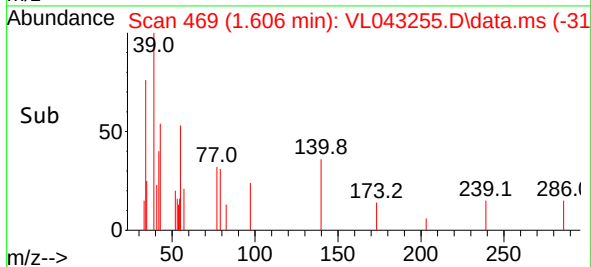
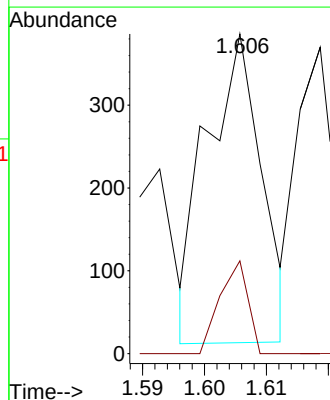
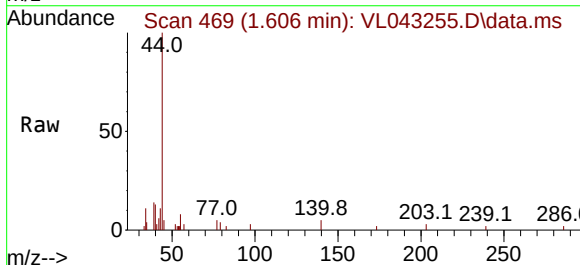
Instrument :
MSVOA_1
ClientSampleId :
16-SG-1DL2

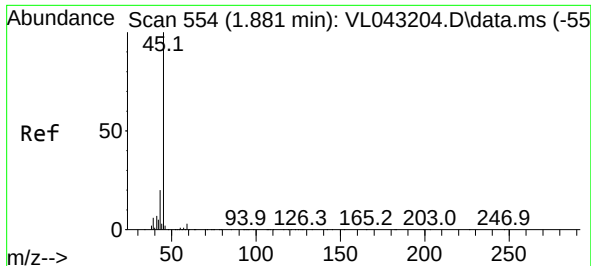
Tgt Ion: 43 Resp: 62374
Ion Ratio Lower Upper
43 100
58 25.7 20.7 31.1



#16
1,3-Butadiene
Concen: 0.039 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

Tgt Ion: 39 Resp: 230
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#

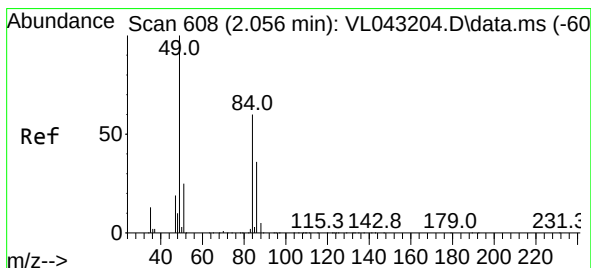
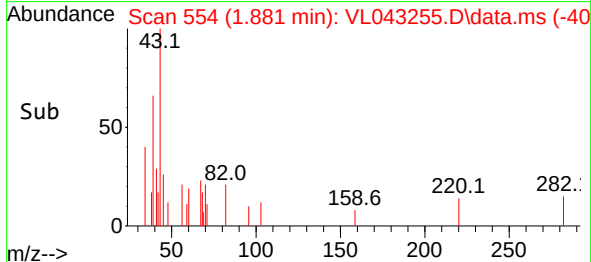
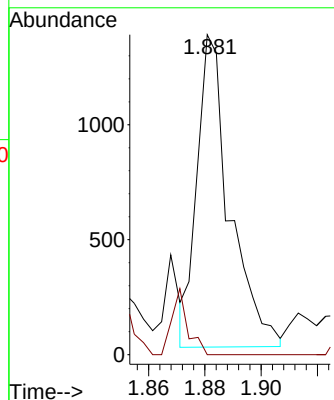
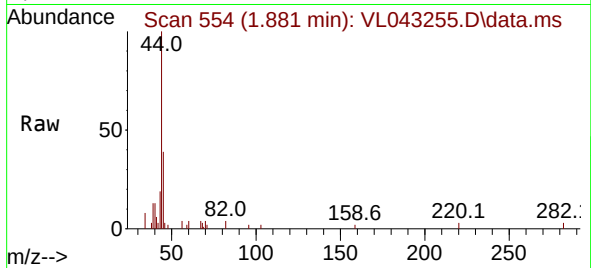




#19
Isopropyl Alcohol
Concen: 0.146 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

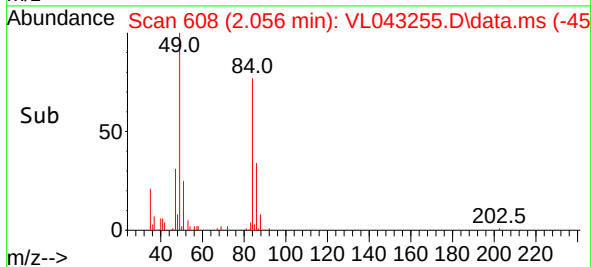
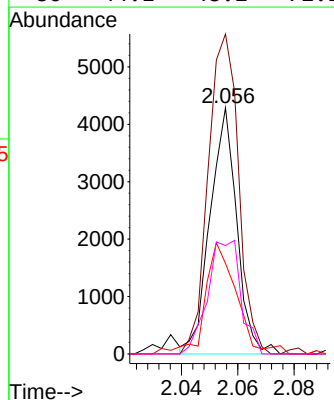
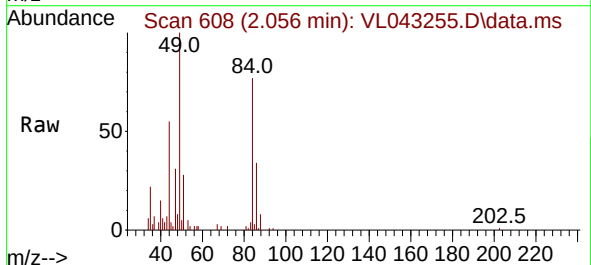
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL2

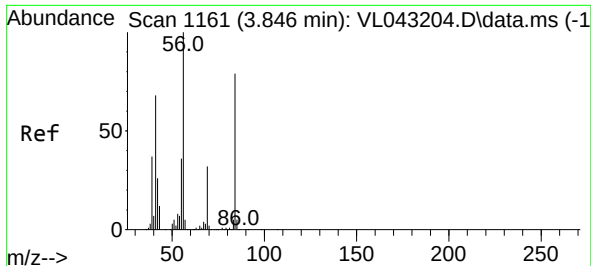
Tgt Ion: 45 Resp: 1094
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

Tgt Ion: 84 Resp: 2841
Ion Ratio Lower Upper
84 100
49 130.0 132.9 199.3#
51 33.9 34.8 52.2#
86 44.1 48.2 72.2#

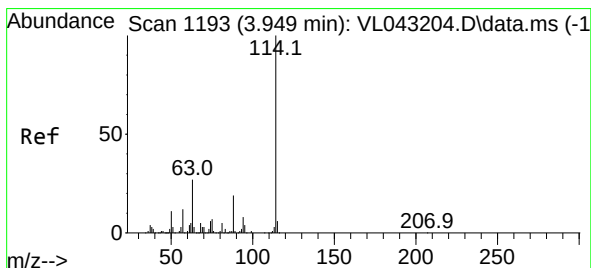
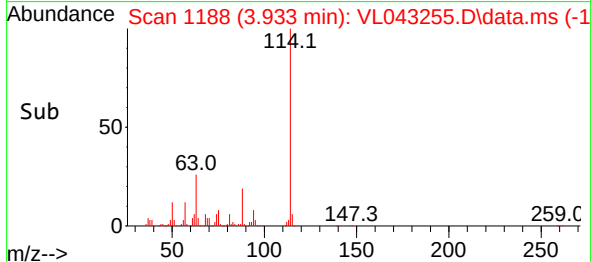
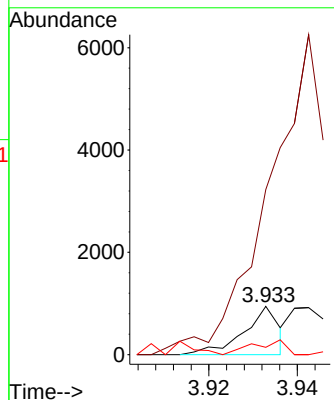
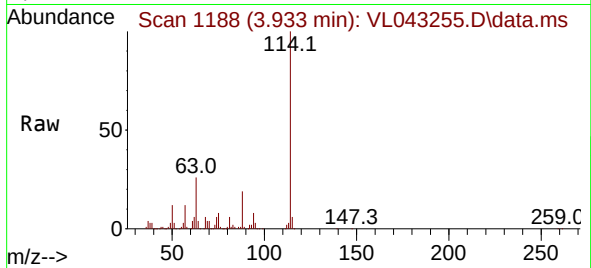




#30
Cyclohexane
Concen: 0.050 ppbv
RT: 3.933 min Scan# 1161
Delta R.T. 0.087 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

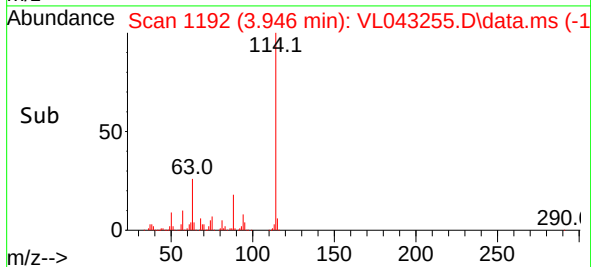
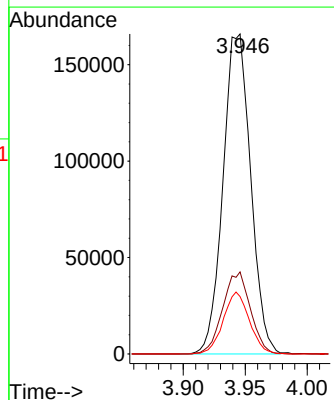
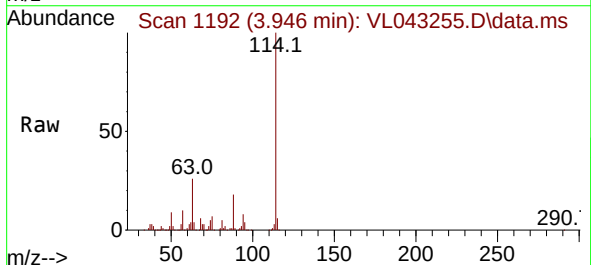
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL2

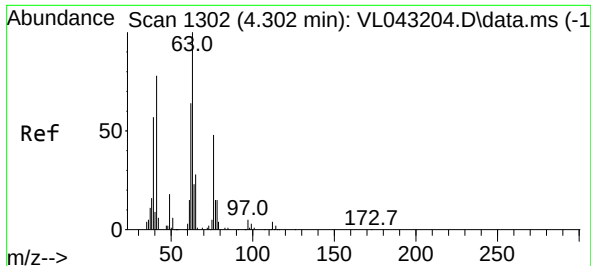
Tgt Ion: 84 Resp: 521
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1#
41 121.1 69.0 103.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.003 min
Lab File: VL043255.D
Acq: 20 Nov 2025 08:08

Tgt Ion: 114 Resp: 258226
Ion Ratio Lower Upper
114 100
63 25.7 21.0 31.6
88 18.3 14.9 22.3





#39

1,2-Dichloropropane

Concen: 7.330 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.356 min

Lab File: VL043255.D

Acq: 20 Nov 2025 08:08

Instrument :

MSVOA_1

ClientSampleId :

16-SG-1DL2

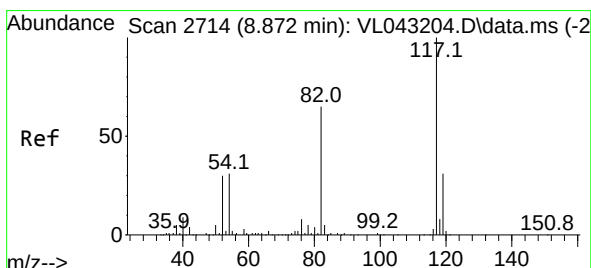
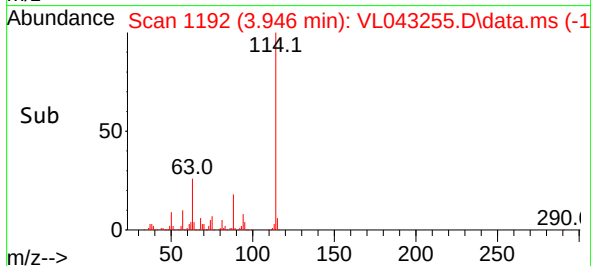
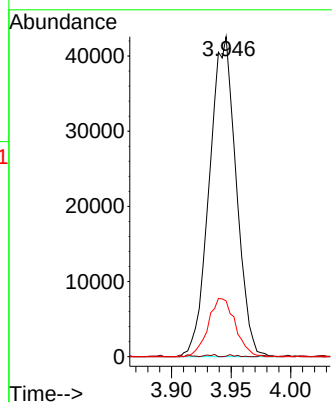
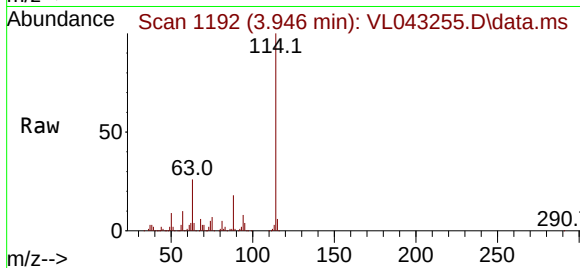
Tgt Ion: 63 Resp: 66347

Ion Ratio Lower Upper

63 100

41 0.0 62.6 93.8#

62 17.4 51.0 76.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.866 min Scan# 2712

Delta R.T. -0.007 min

Lab File: VL043255.D

Acq: 20 Nov 2025 08:08

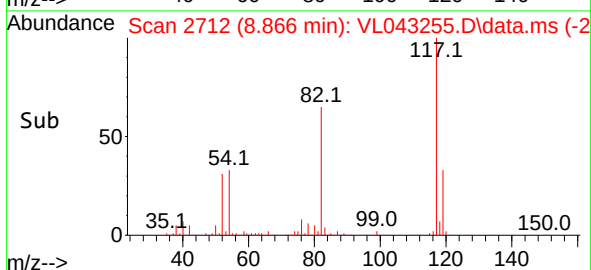
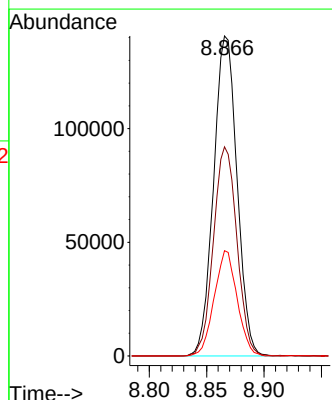
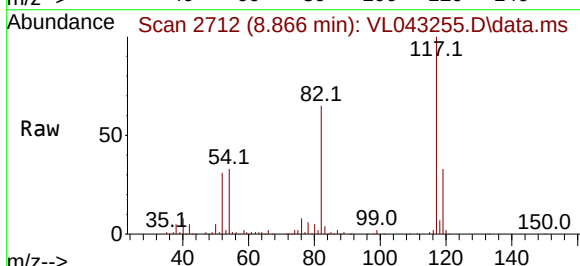
Tgt Ion: 117 Resp: 200083

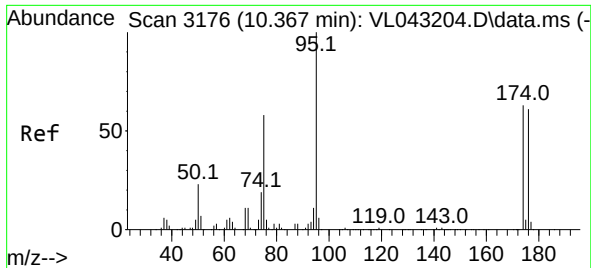
Ion Ratio Lower Upper

117 100

82 65.5 56.1 84.1

119 32.2 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.656 ppbv
 RT: 10.364 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL043255.D
 Acq: 20 Nov 2025 08:08

Instrument :
 MSVOA_L
 ClientSampleId :
 16-SG-1DL2

Tgt Ion: 95 Resp: 141617
 Ion Ratio Lower Upper
 95 100
 174 65.0 50.2 75.2
 175 5.2 4.1 6.1

