

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
 Data File : VL042142.D
 Acq On : 14 Mar 2025 09:23
 Operator : SY/MD
 Sample : VL0314ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABL01

Quant Time: Mar 14 23:17:29 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)

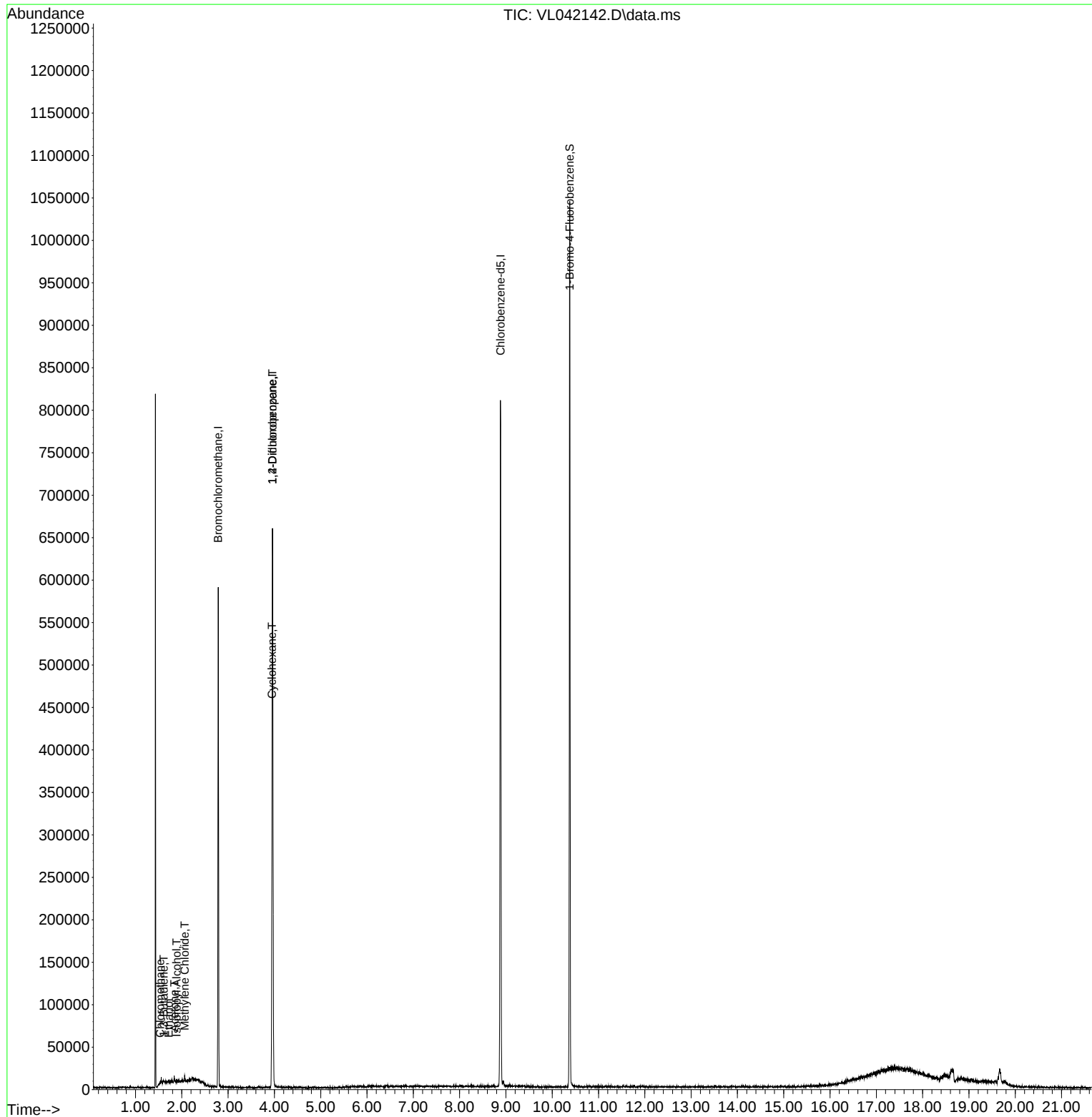
Internal Standards						
1) Bromochloromethane	2.787	49	167826	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.958	114	392046	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.881	117	329113	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250856	9.907	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	205	0.032	ppbv #	73
13) Ethanol	1.719	45	229	0.363	ppbv #	33
15) Acetone	1.838	43	2136	0.144	ppbv #	73
16) 1,3-Butadiene	1.609	39	217	0.031	ppbv #	12
19) Isopropyl Alcohol	1.887	45	501	0.059	ppbv #	32
20) Methylene Chloride	2.062	84	860	0.153	ppbv	93
30) Cyclohexane	3.949	84	1323	0.068	ppbv #	3
39) 1,2-Dichloropropane	3.958	63	97835	6.280	ppbv #	24

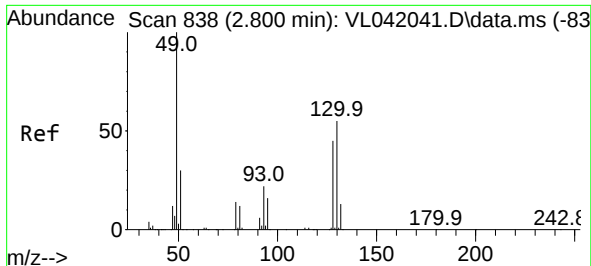
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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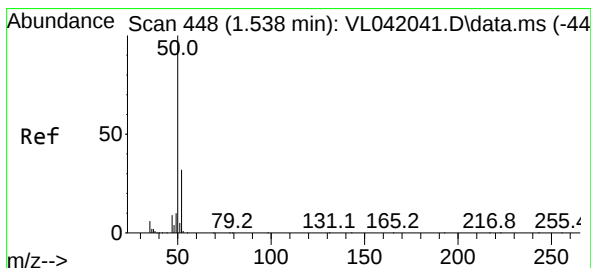
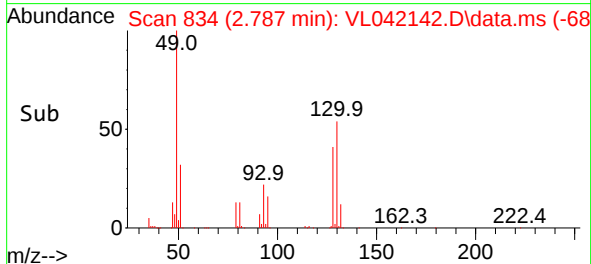
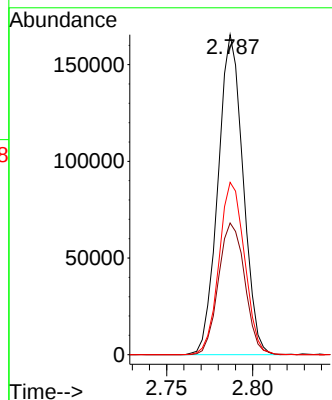
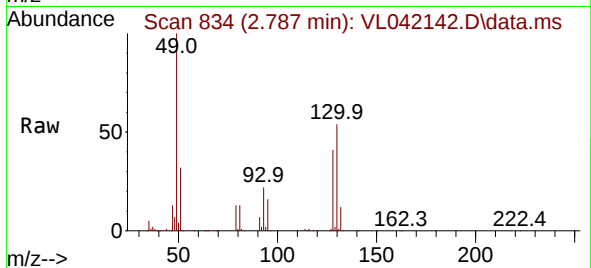




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

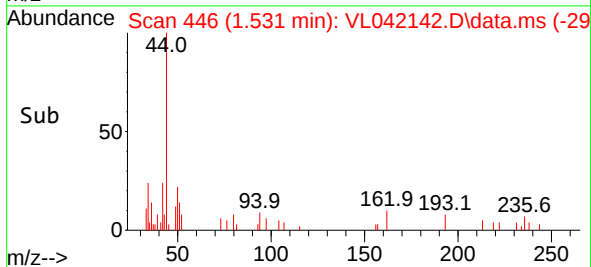
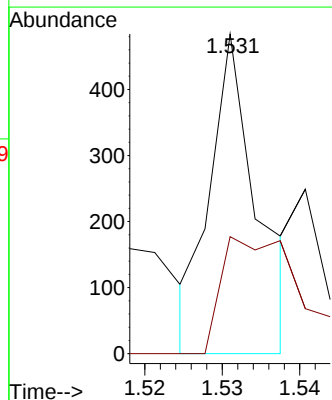
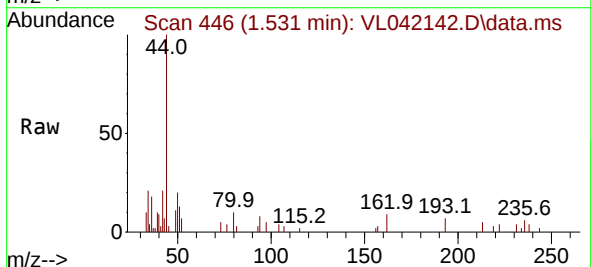
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABL01

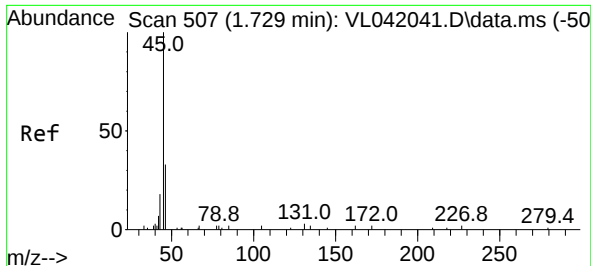
Tgt Ion: 49 Resp: 167826
Ion Ratio Lower Upper
49 100
128 43.1 21.6 64.8
130 54.8 27.8 83.4



#4
Chloromethane
Concen: 0.032 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.007 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

Tgt Ion: 50 Resp: 205
Ion Ratio Lower Upper
50 100
52 46.7 25.4 38.0#

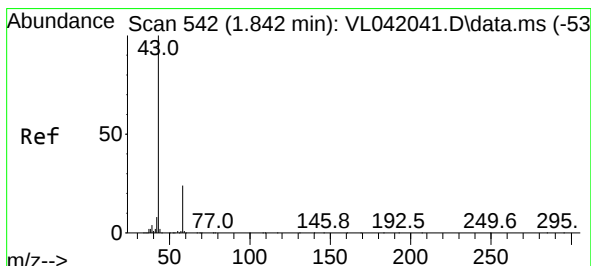
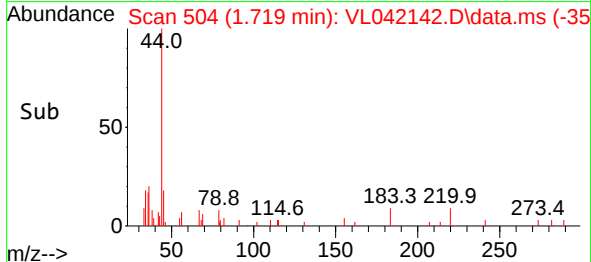
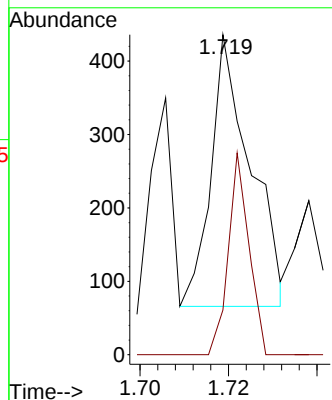
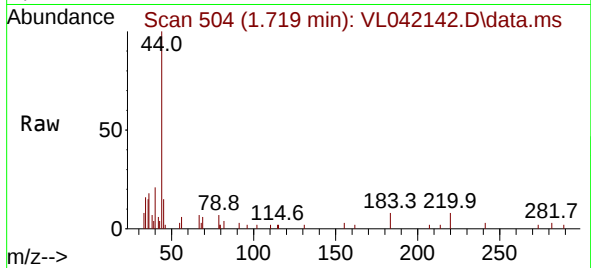




#13
Ethanol
Concen: 0.363 ppbv
RT: 1.719 min Scan# 507
Delta R.T. -0.010 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

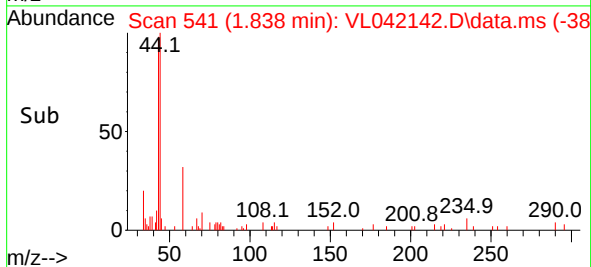
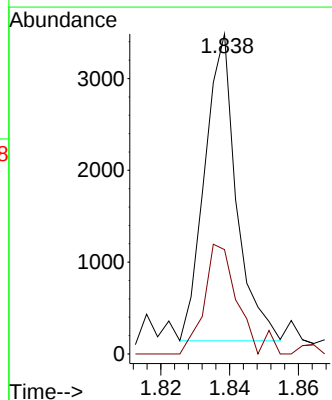
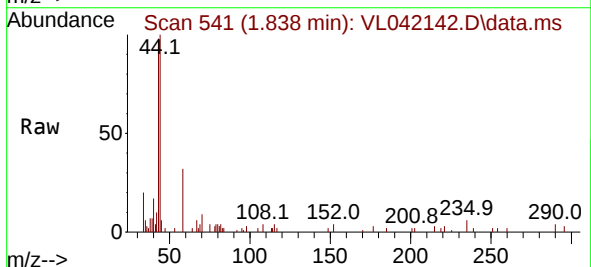
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABL01

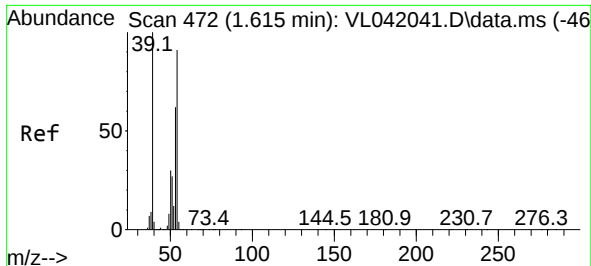
Tgt Ion: 45 Resp: 229
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.144 ppbv
RT: 1.838 min Scan# 541
Delta R.T. -0.004 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
58 39.7 20.7 31.1#

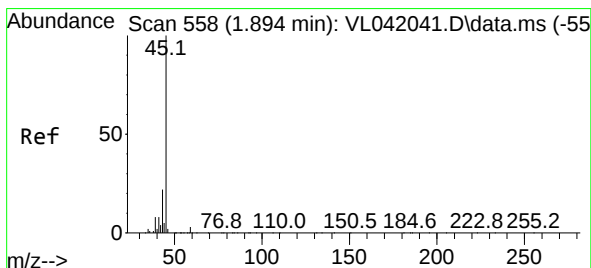
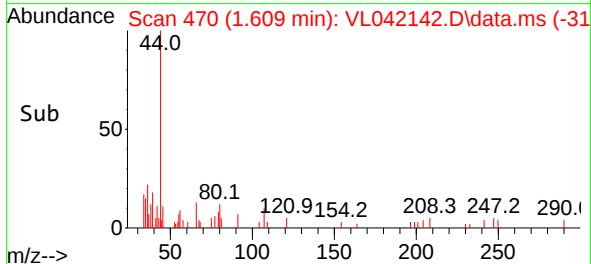
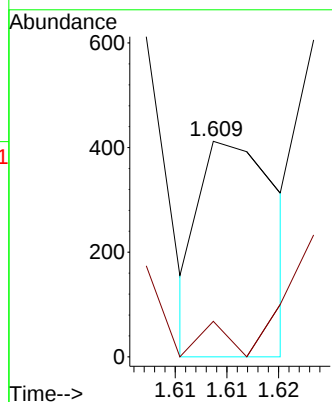
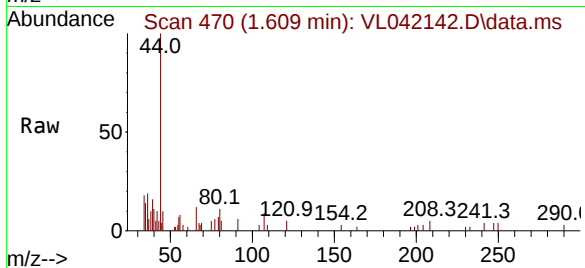




#16
1,3-Butadiene
Concen: 0.031 ppbv
RT: 1.609 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

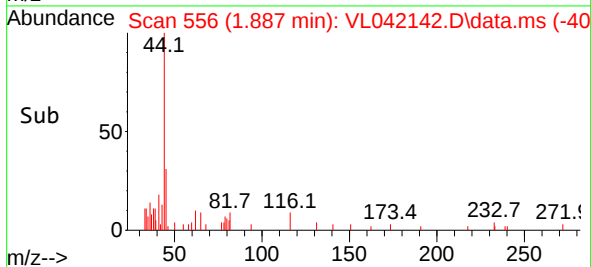
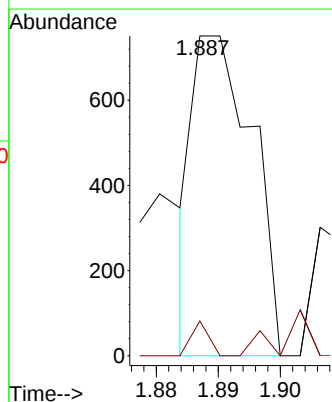
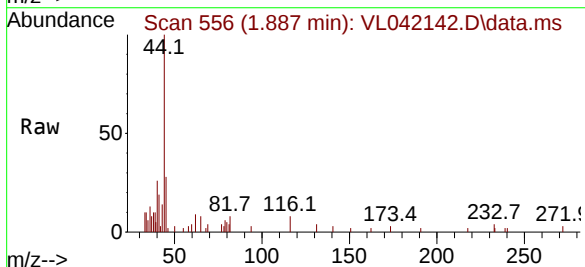
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABL01

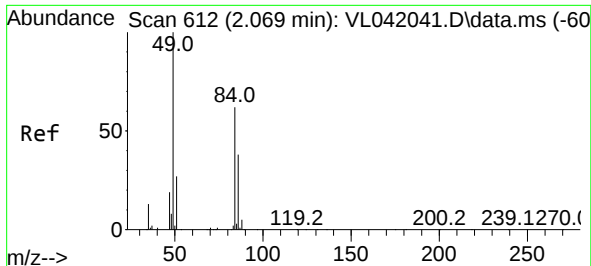
Tgt Ion: 39 Resp: 217
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 0.059 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.007 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

Tgt Ion: 45 Resp: 501
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#

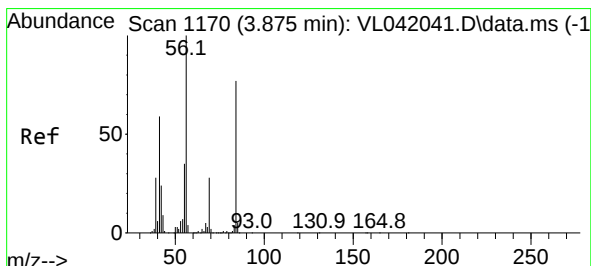
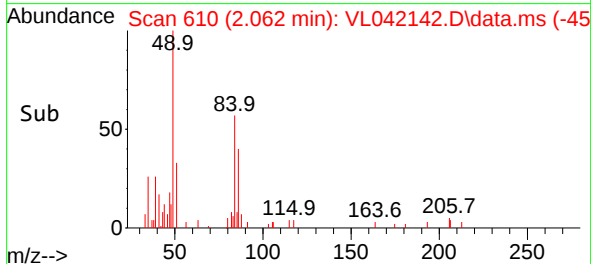
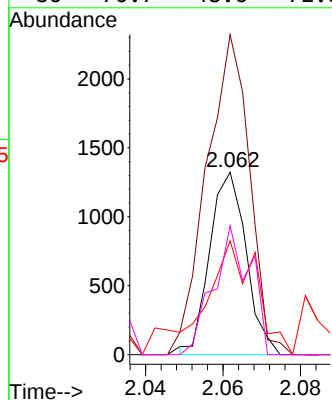
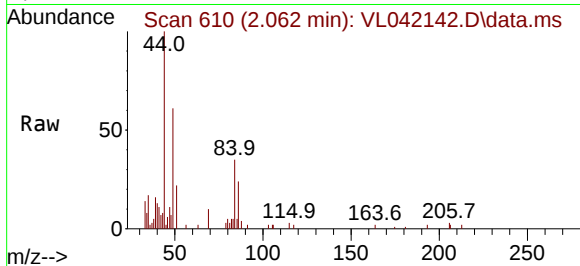




#20
Methylene Chloride
Concen: 0.153 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

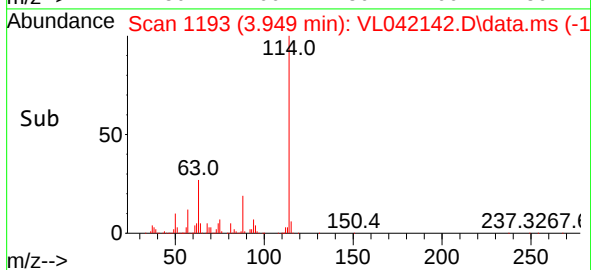
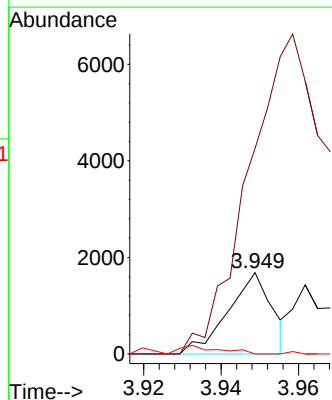
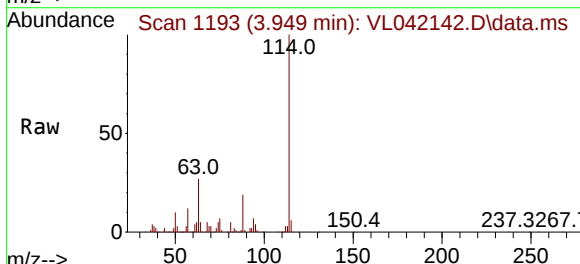
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABL01

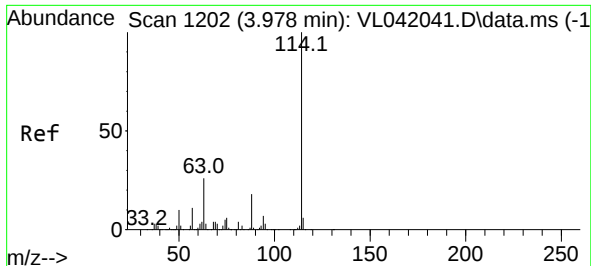
Tgt Ion:	84	Resp:	860
Ion	Ratio	Lower	Upper
84	100		
49	168.9	130.0	195.0
51	50.2	37.4	56.0
86	70.7	48.6	72.8



#30
Cyclohexane
Concen: 0.068 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.074 min
Lab File: VL042142.D
Acq: 14 Mar 2025 09:23

Tgt Ion:	84	Resp:	1323
Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.5	152.3#
41	12.6	62.6	93.8#

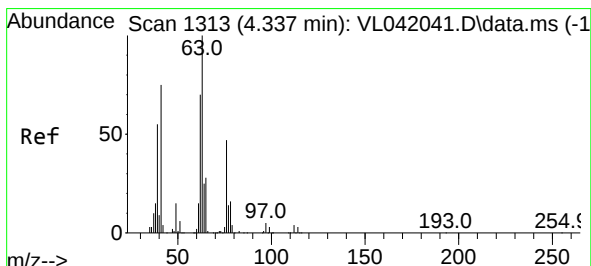
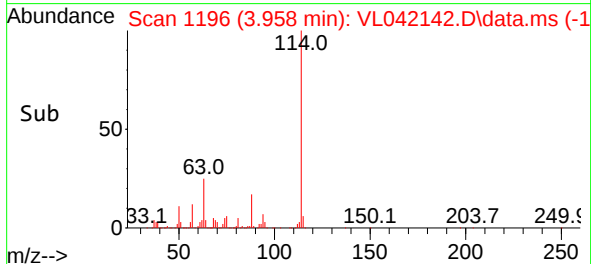
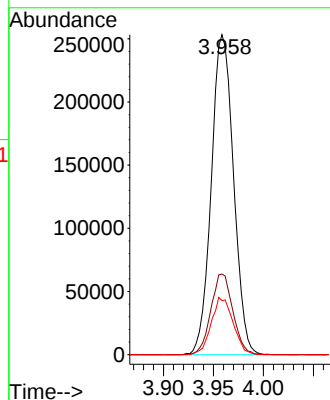
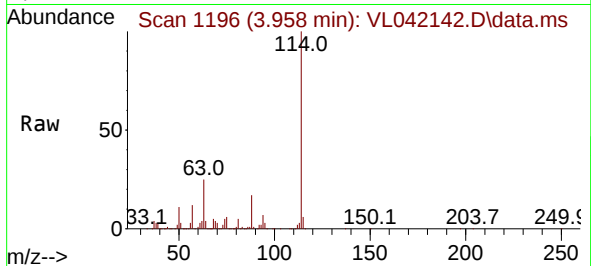




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.958 min Scan# 1196
 Delta R.T. -0.020 min
 Lab File: VL042142.D
 Acq: 14 Mar 2025 09:23

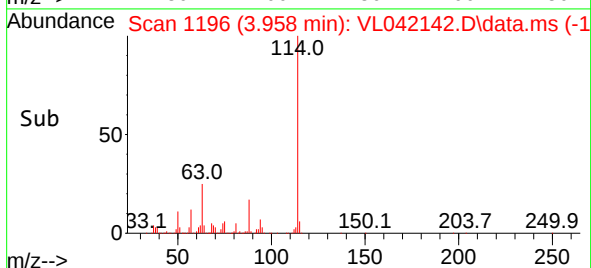
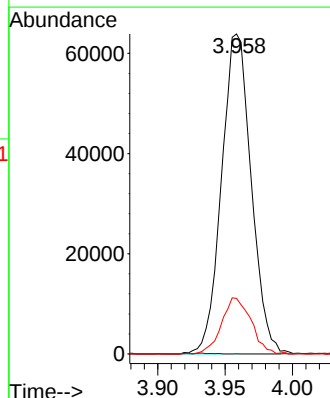
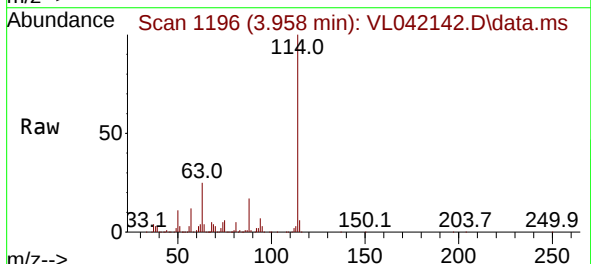
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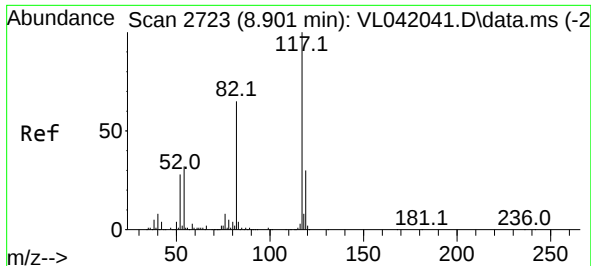
Tgt Ion:114 Resp: 392046
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.1 30.1
 88 17.6 14.3 21.5



#39
 1,2-Dichloropropane
 Concen: 6.280 ppbv
 RT: 3.958 min Scan# 1196
 Delta R.T. -0.379 min
 Lab File: VL042142.D
 Acq: 14 Mar 2025 09:23

Tgt Ion: 63 Resp: 97835
 Ion Ratio Lower Upper
 63 100
 41 0.1 60.1 90.1#
 62 17.4 55.8 83.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 21

Delta R.T. -0.020 min

Lab File: VL042142.D

Acq: 14 Mar 2025 09:23

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABL01

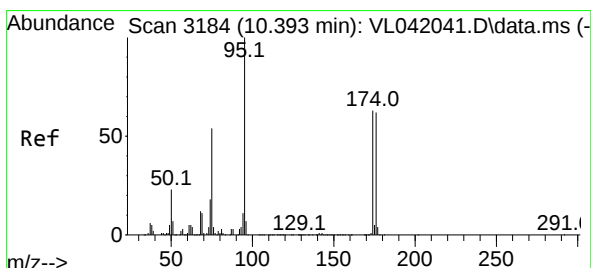
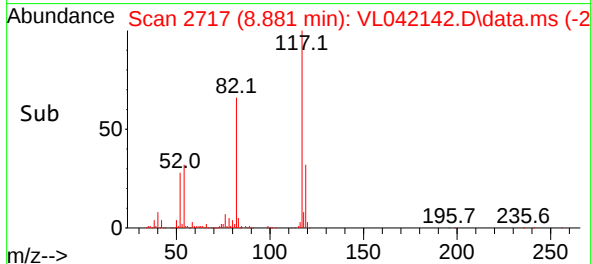
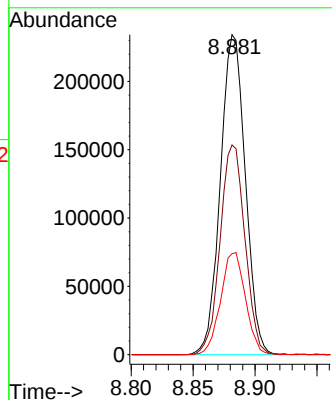
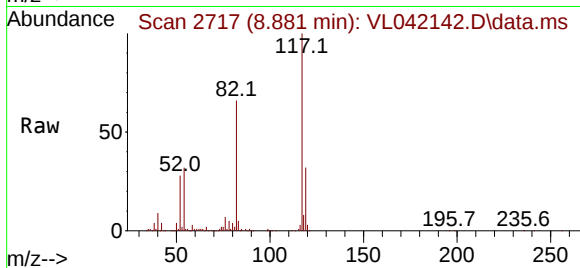
Tgt Ion:117 Resp: 329113

Ion Ratio Lower Upper

117 100

82 65.2 55.0 82.6

119 31.8 25.9 38.9



#68

1-Bromo-4-Fluorobenzene

Concen: 9.907 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.016 min

Lab File: VL042142.D

Acq: 14 Mar 2025 09:23

Tgt Ion: 95 Resp: 250856

Ion Ratio Lower Upper

95 100

174 65.5 51.8 77.6

175 4.6 3.9 5.9

