

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041978.D
 Acq On : 10 Feb 2025 09:24
 Operator : SY/MD
 Sample : VL00210ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 01:18:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

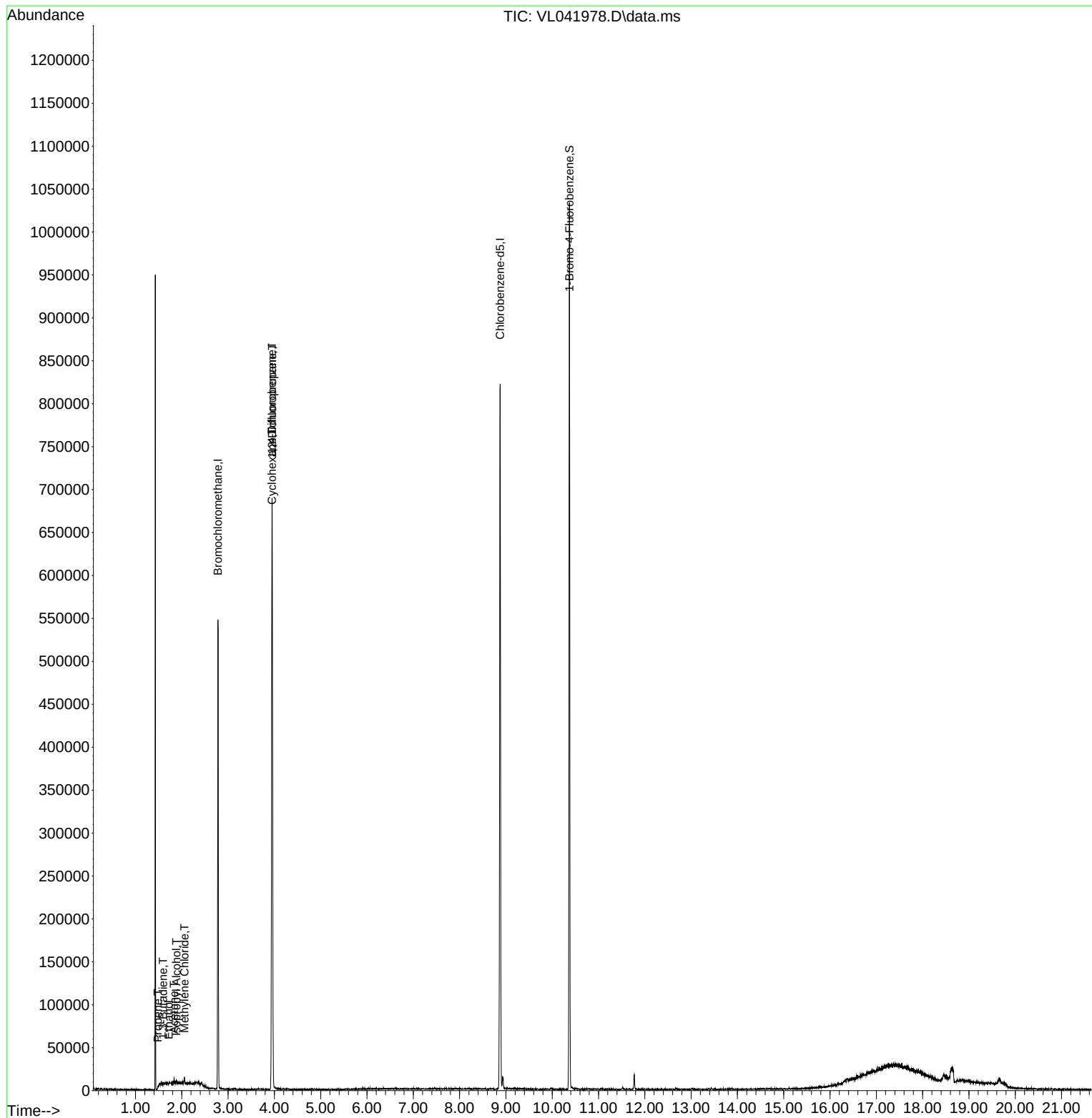
Internal Standards						
1) Bromochloromethane	2.781	49	155942	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	417063	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.875	117	341669	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	250739	9.317	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	373	0.041	ppbv #	27
13) Ethanol	1.716	45	236	0.351	ppbv #	39
15) Acetone	1.832	43	2659	0.142	ppbv #	84
16) 1,3-Butadiene	1.596	39	311	0.037	ppbv #	11
19) Isopropyl Alcohol	1.884	45	1550	0.140	ppbv #	38
20) Methylene Chloride	2.059	84	972	0.131	ppbv #	72
30) Cyclohexane	3.946	84	2194	0.127	ppbv #	1
39) 1,2-Dichloropropane	3.952	63	101551	7.568	ppbv #	20

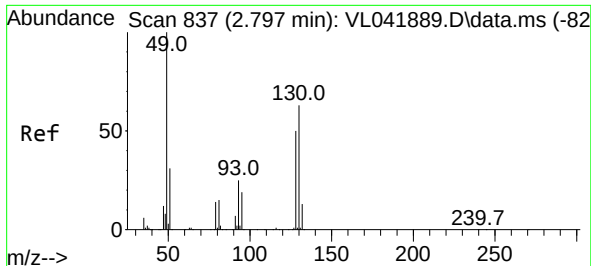
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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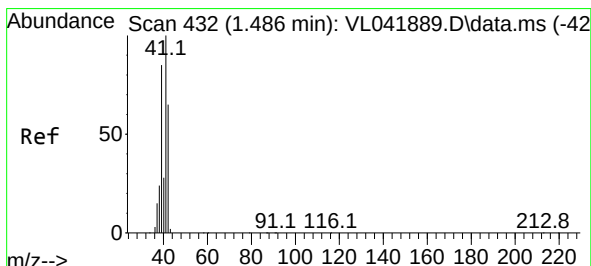
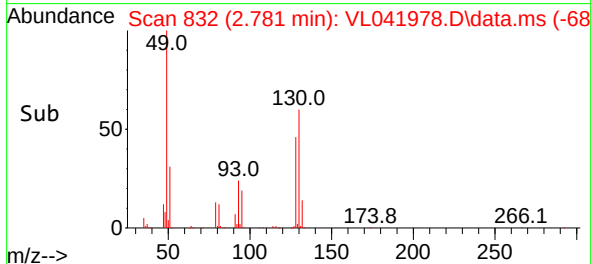
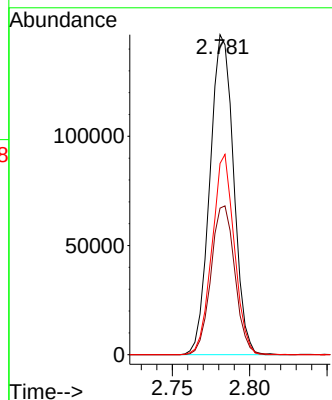
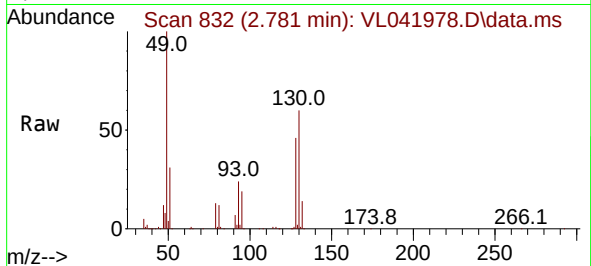




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

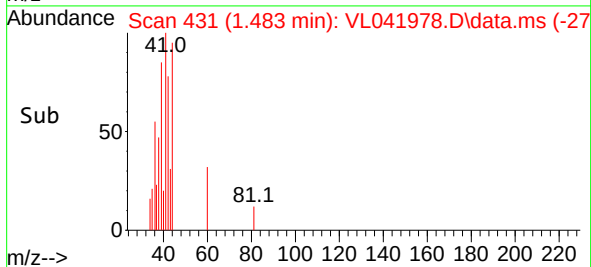
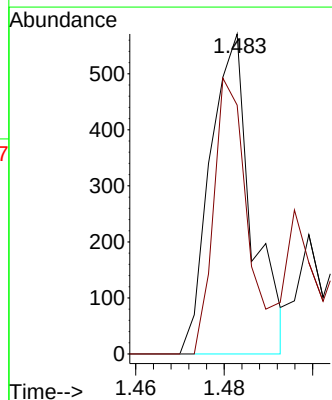
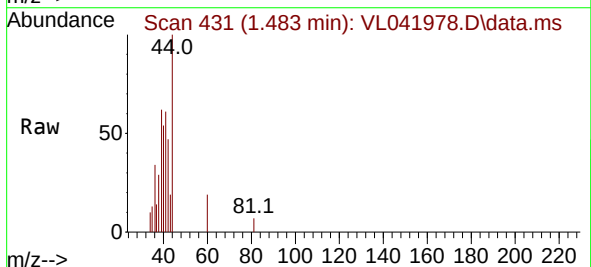
Instrument :
MSVOA_L
ClientSampleId :

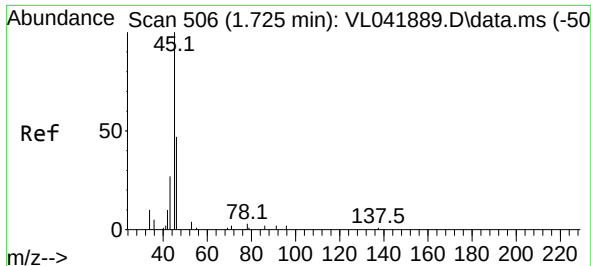
Tgt Ion: 49 Resp: 155942
Ion Ratio Lower Upper
49 100
128 46.7 24.3 73.0
130 58.9 31.1 93.2



#9
Propene
Concen: 0.041 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Tgt Ion: 41 Resp: 373
Ion Ratio Lower Upper
41 100
42 122.3 52.0 78.0#

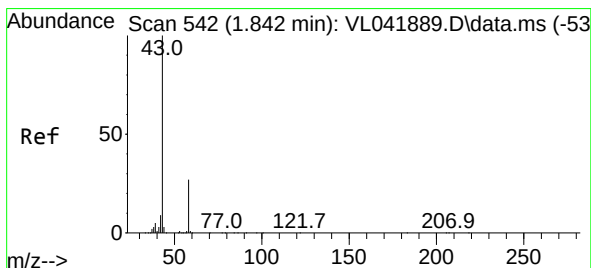
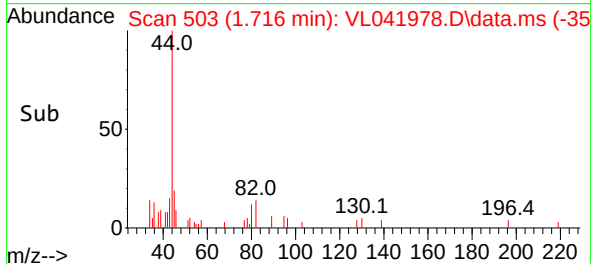
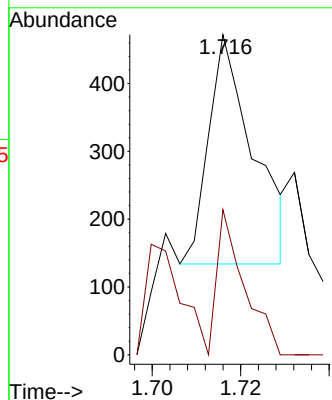
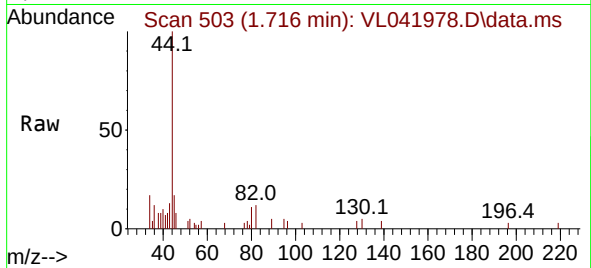




#13
Ethanol
Concen: 0.351 ppbv
RT: 1.716 min Scan# 506
Delta R.T. -0.009 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

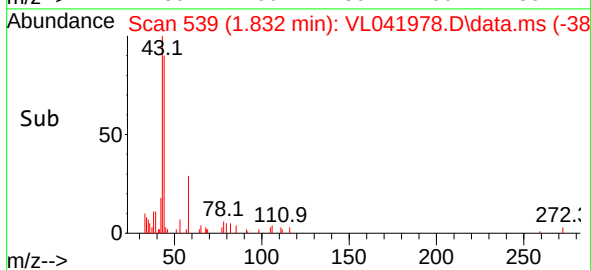
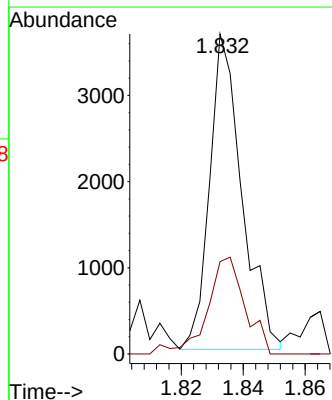
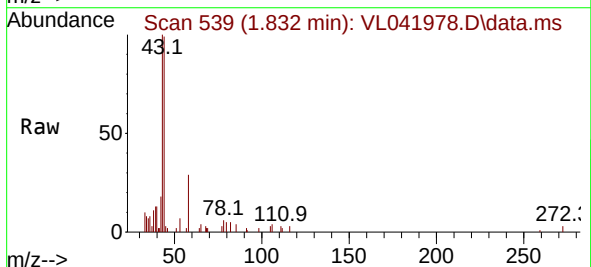
Instrument :
MSVOA_L
ClientSampleId :

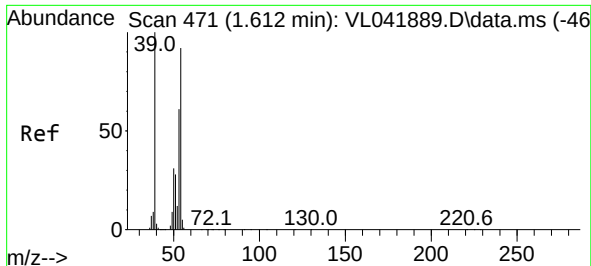
Tgt Ion: 45 Resp: 236
Ion Ratio Lower Upper
45 100
46 85.6 18.1 72.5#



#15
Acetone
Concen: 0.142 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.009 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 35.7 21.9 32.9#

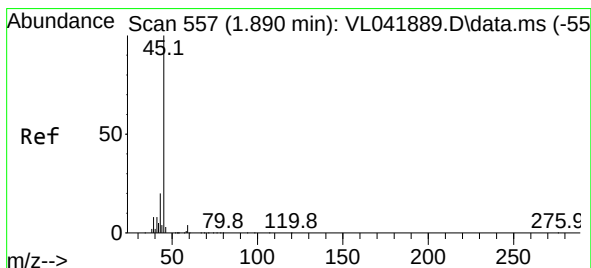
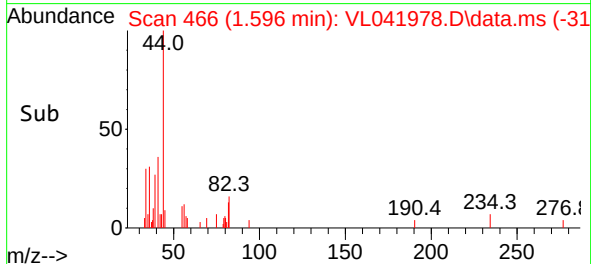
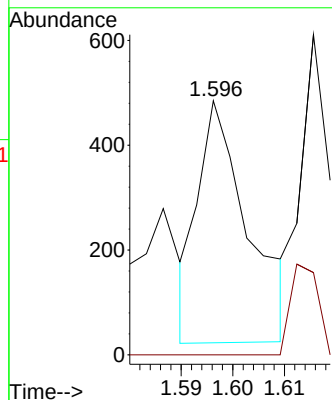
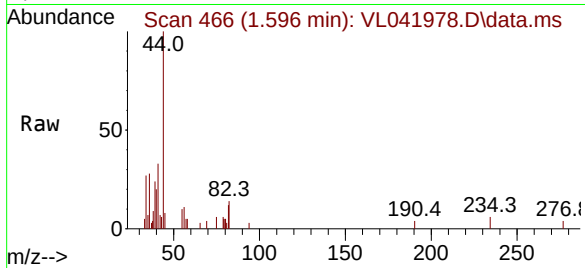




#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.016 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

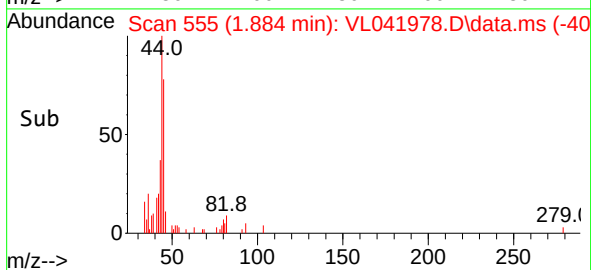
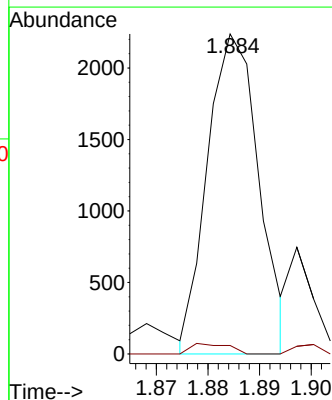
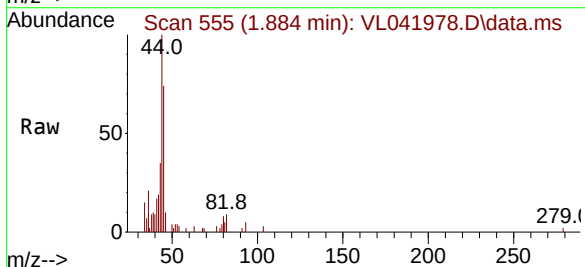
Instrument :
MSVOA_L
ClientSampleId :

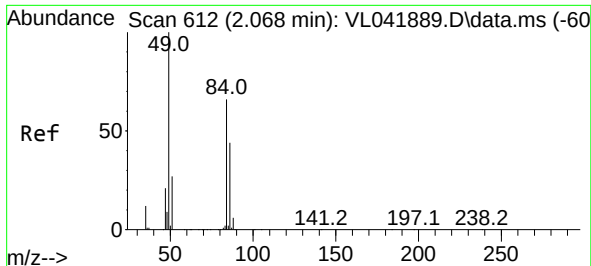
Tgt Ion: 39 Resp: 311
Ion Ratio Lower Upper
39 100
54 0.0 61.6 92.4#



#19
Isopropyl Alcohol
Concen: 0.140 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.006 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

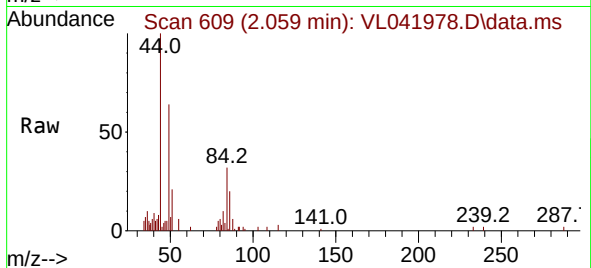
Tgt Ion: 45 Resp: 1550
Ion Ratio Lower Upper
45 100
58 3.9 35.0 52.6#





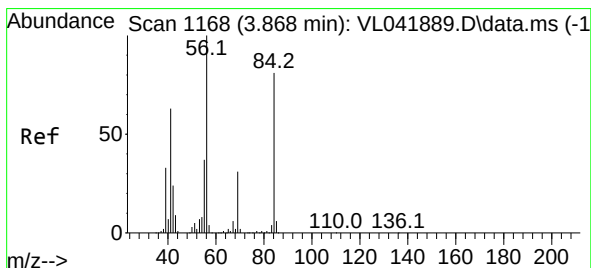
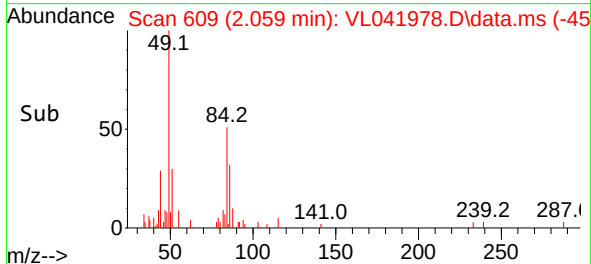
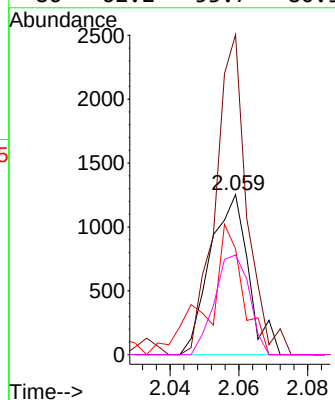
#20
Methylene Chloride
Concen: 0.131 ppbv
RT: 2.059 min Scan# 612
Delta R.T. -0.009 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 972

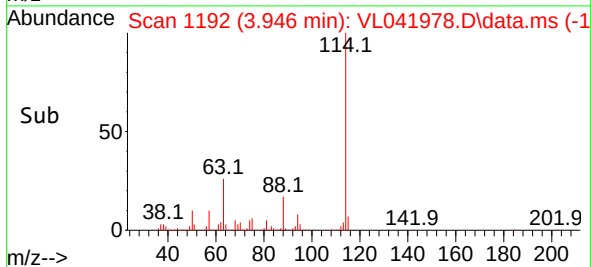
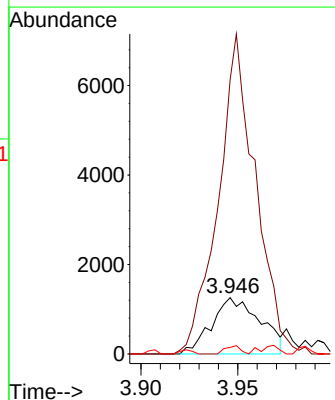
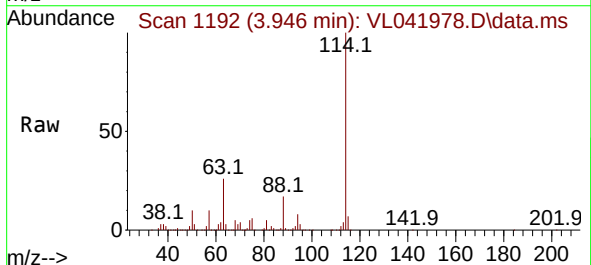
Ion	Ratio	Lower	Upper
84	100		
49	199.8	123.1	184.7#
51	66.0	35.8	53.8#
86	62.2	53.7	80.5

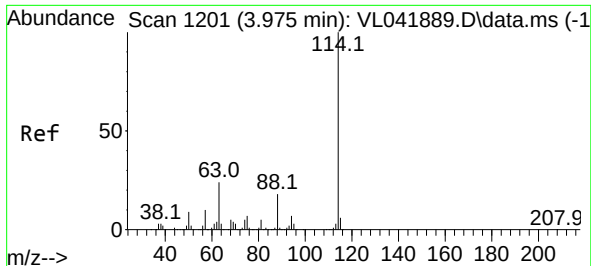


#30
Cyclohexane
Concen: 0.127 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. 0.078 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Tgt Ion: 84 Resp: 2194

Ion	Ratio	Lower	Upper
84	100		
56	435.8	99.3	148.9#
41	7.2	64.3	96.5#

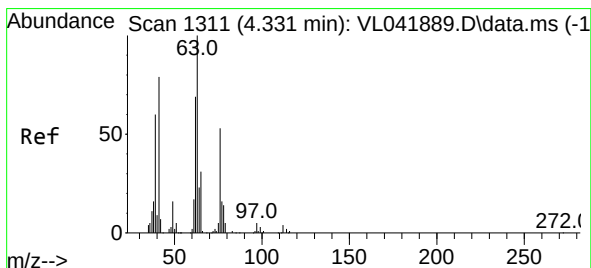
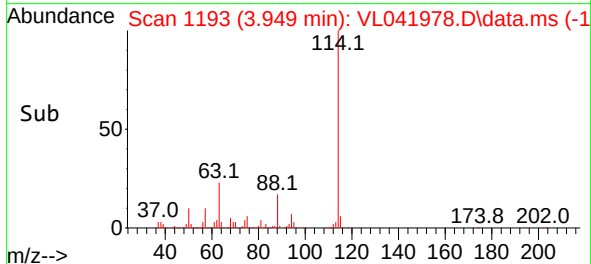
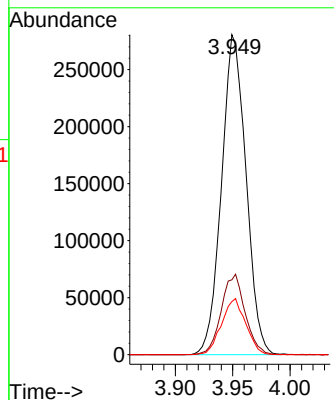
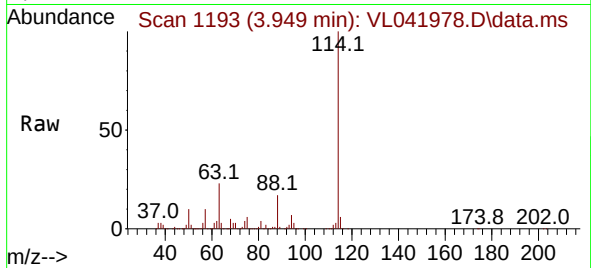




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.949 min Scan# 1193
 Delta R.T. -0.026 min
 Lab File: VL041978.D
 Acq: 10 Feb 2025 09:24

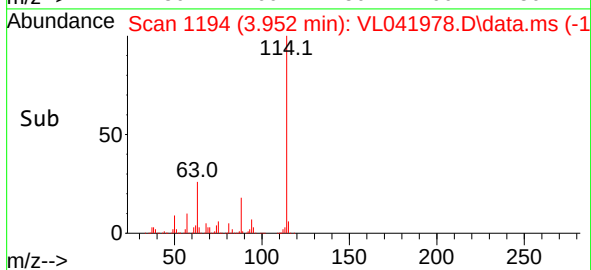
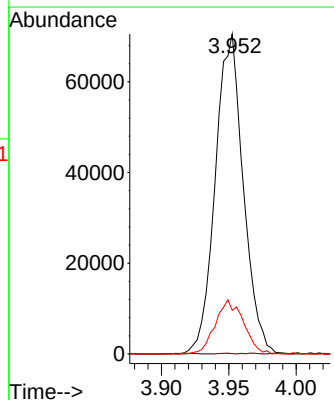
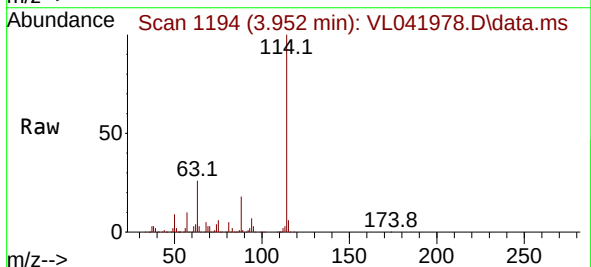
Instrument :
 MSVOA_L
 ClientSampleId :

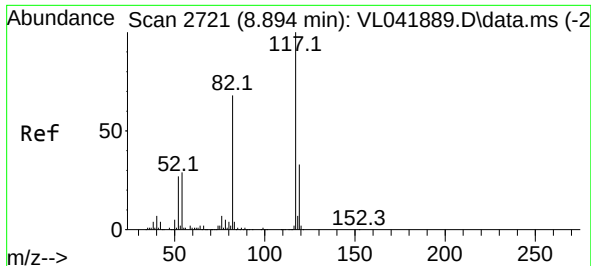
Tgt Ion:114 Resp: 417063
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.8 29.6
 88 17.3 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.568 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. -0.378 min
 Lab File: VL041978.D
 Acq: 10 Feb 2025 09:24

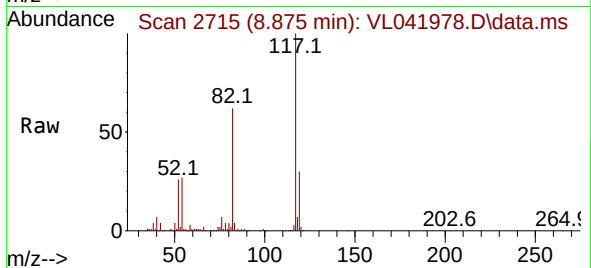
Tgt Ion: 63 Resp: 101551
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.7 95.5#
 62 13.7 55.4 83.2#



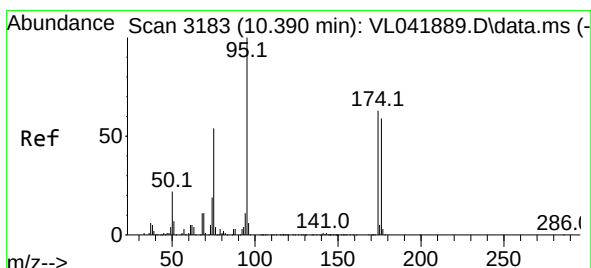
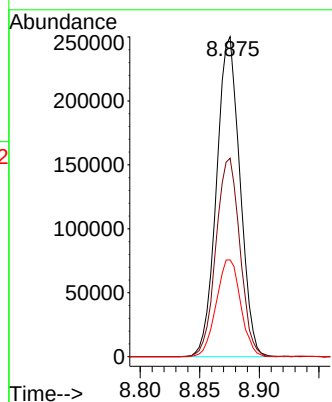
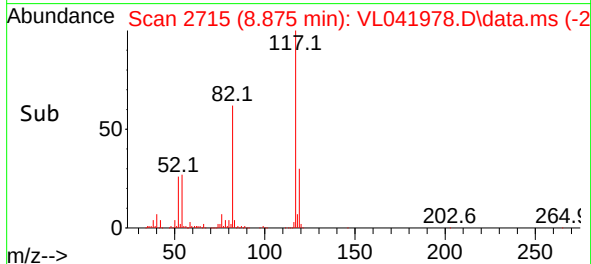


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

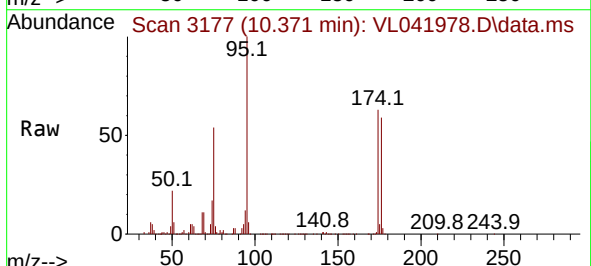
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 341669
Ion Ratio Lower Upper
117 100
82 63.5 54.2 81.4
119 31.6 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.317 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.019 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24



Tgt Ion: 95 Resp: 250739
Ion Ratio Lower Upper
95 100
174 60.2 49.0 73.4
175 4.7 3.8 5.8

