

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041946.D
 Acq On : 27 Jan 2025 11:17
 Operator : SY/MD
 Sample : VL0127ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 28 02:34:02 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)

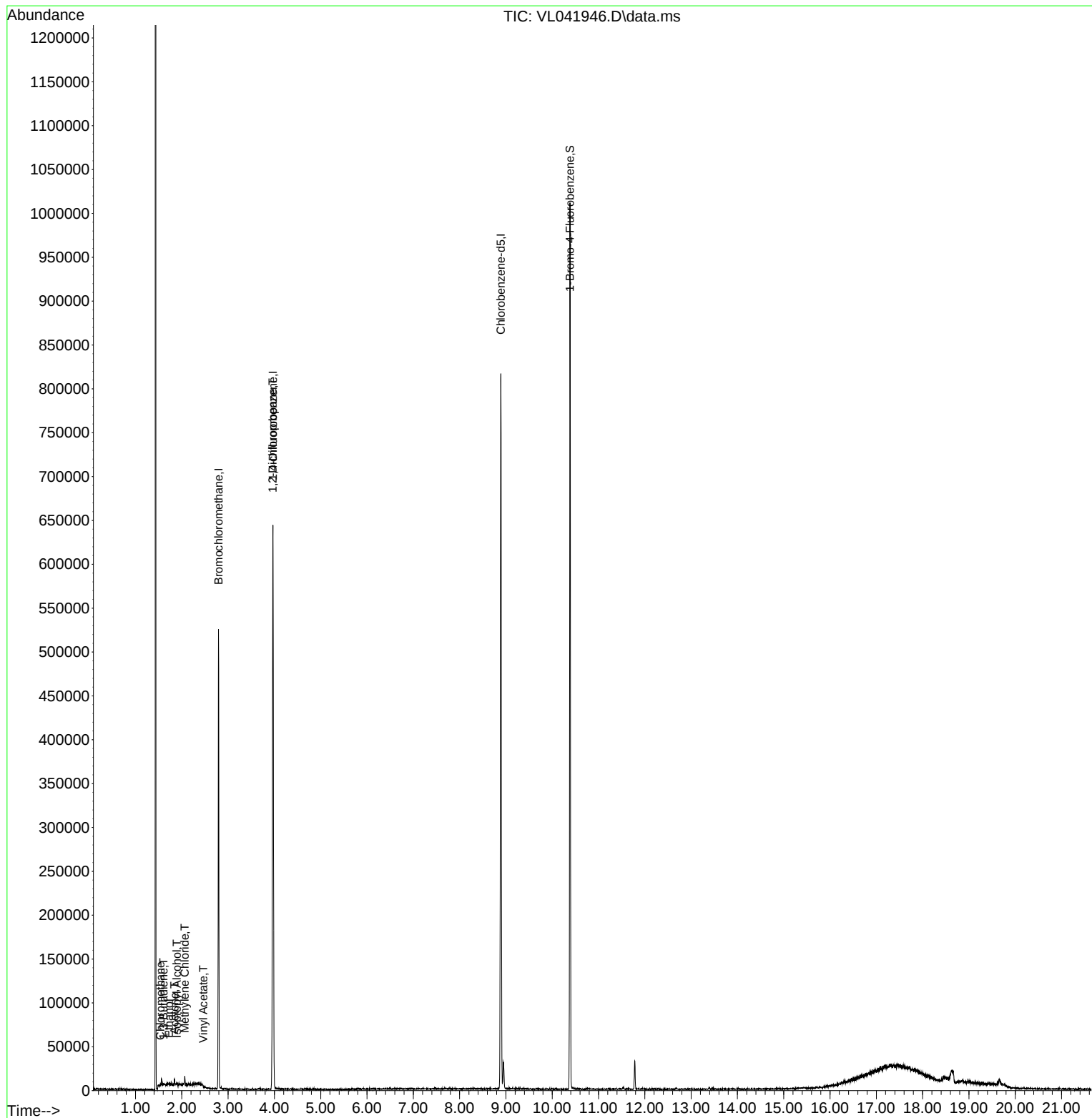
Internal Standards						
1) Bromochloromethane	2.794	49	142661	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	386765	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	337301	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	257049	9.675	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
4) Chloromethane	1.535	50	230	0.031	ppbv	98
13) Ethanol	1.725	45	845	1.376	ppbv #	31
15) Acetone	1.842	43	2940	0.172	ppbv #	78
16) 1,3-Butadiene	1.606	39	307	0.040	ppbv #	69
19) Isopropyl Alcohol	1.891	45	975	0.096	ppbv #	1
20) Methylene Chloride	2.062	84	1173	0.173	ppbv #	87
23) Vinyl Acetate	2.463	43	302	0.036	ppbv #	63
39) 1,2-Dichloropropane	3.965	63	96536	7.758	ppbv #	22

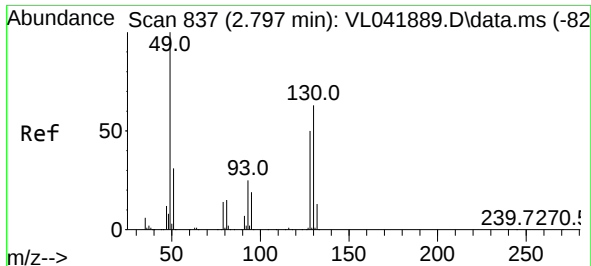
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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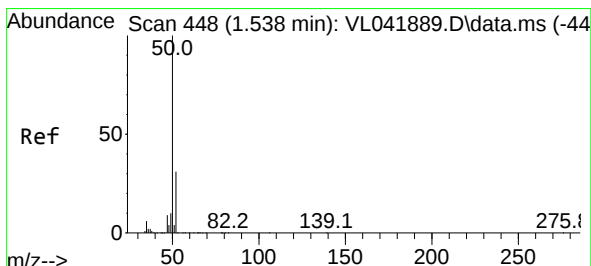
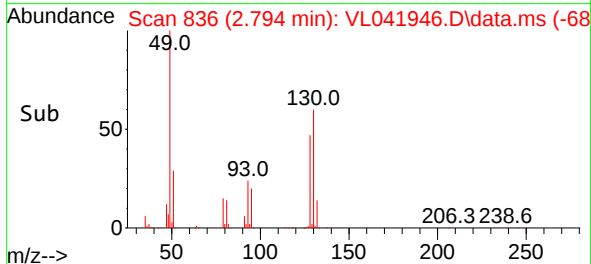
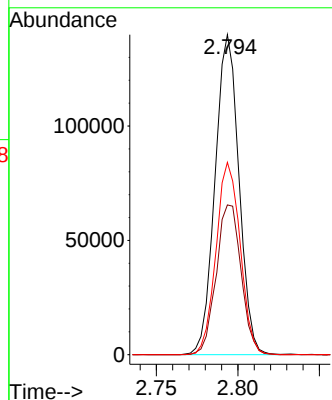
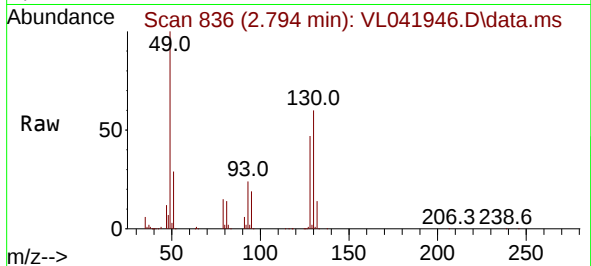




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

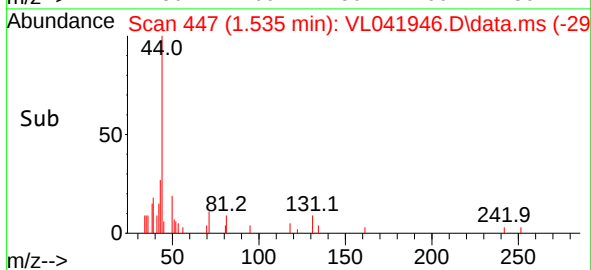
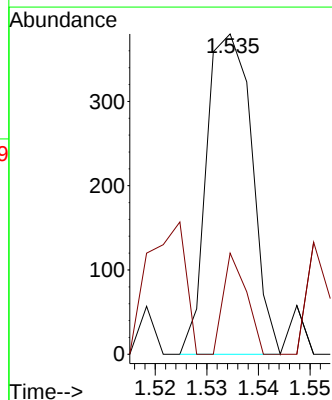
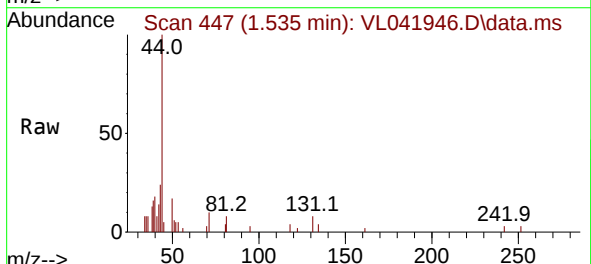
Instrument :
MSVOA_L
ClientSampleId :

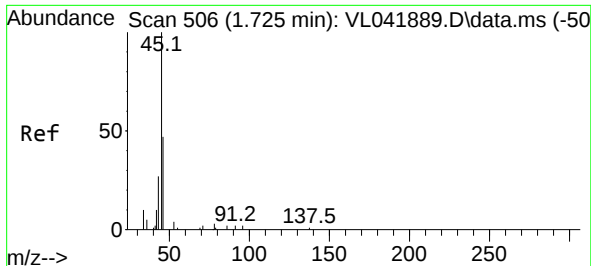
Tgt Ion: 49 Resp: 142661
Ion Ratio Lower Upper
49 100
128 48.8 24.3 73.0
130 60.7 31.1 93.2



#4
Chloromethane
Concen: 0.031 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 31.6 24.6 36.8

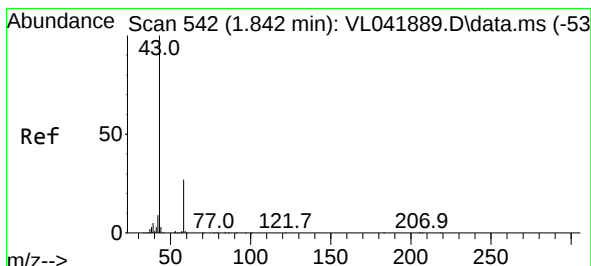
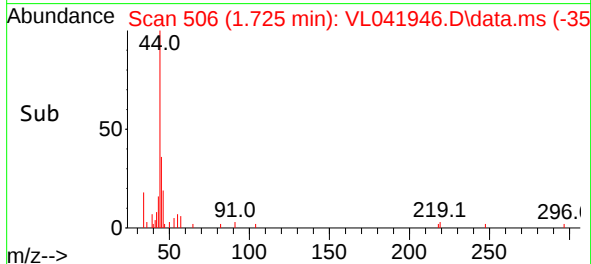
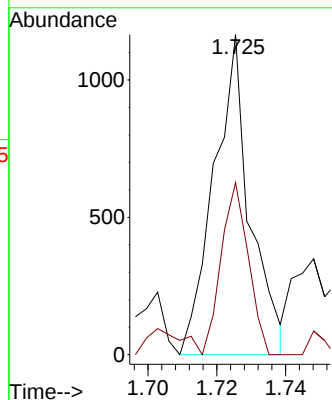
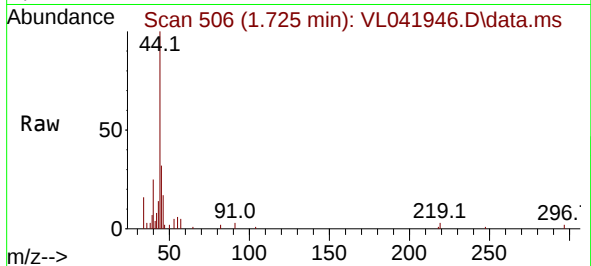




#13
Ethanol
Concen: 1.376 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

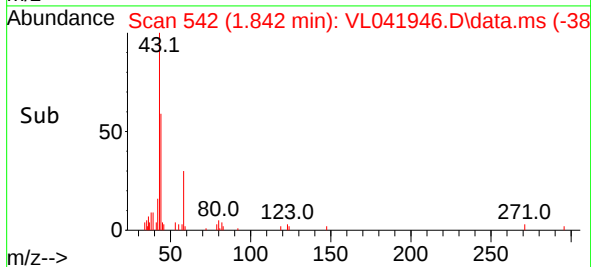
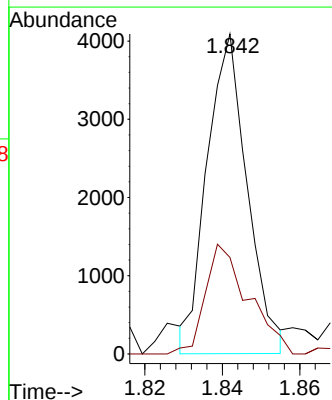
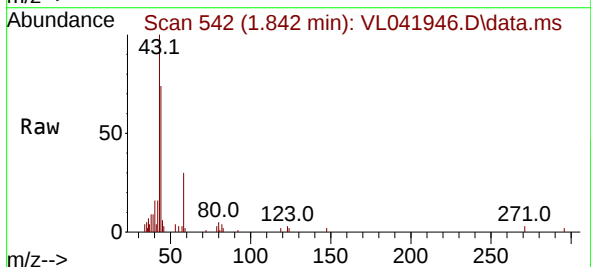
Instrument :
MSVOA_L
ClientSampleId :

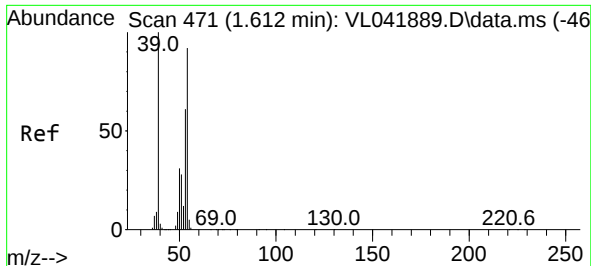
Tgt Ion: 45 Resp: 845
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#



#15
Acetone
Concen: 0.172 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

Tgt Ion: 43 Resp: 2940
Ion Ratio Lower Upper
43 100
58 39.1 21.9 32.9#

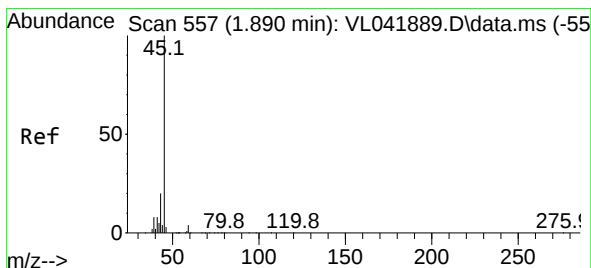
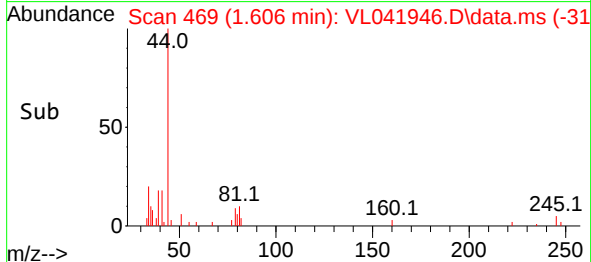
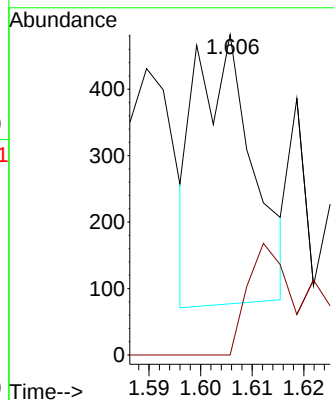
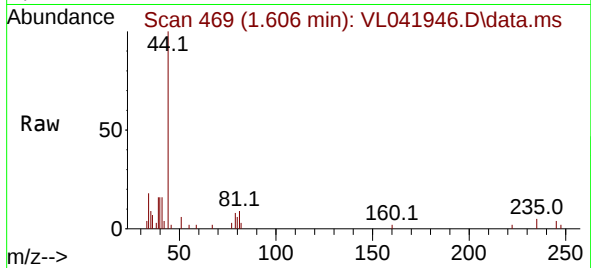




#16
1,3-Butadiene
Concen: 0.040 ppbv
RT: 1.606 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

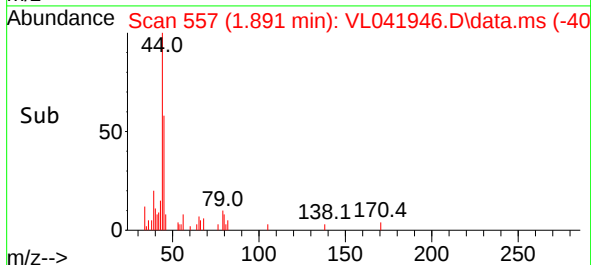
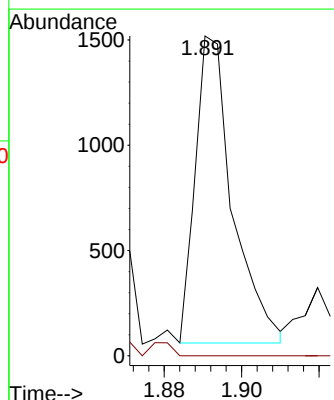
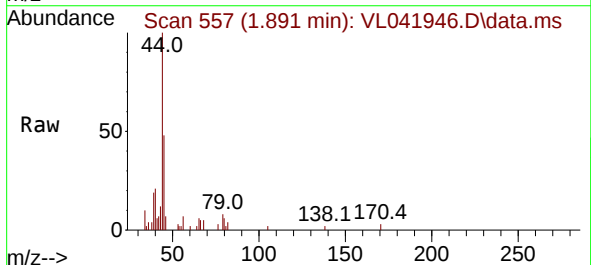
Instrument :
MSVOA_L
ClientSampleId :

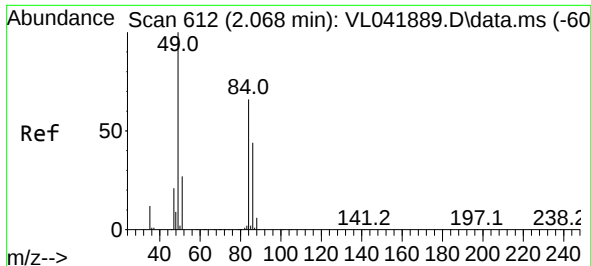
Tgt Ion: 39 Resp: 307
Ion Ratio Lower Upper
39 100
54 50.5 61.6 92.4#



#19
Isopropyl Alcohol
Concen: 0.096 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

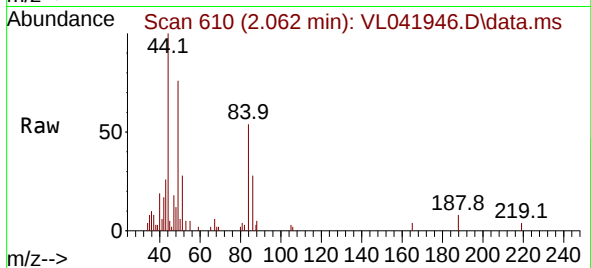
Tgt Ion: 45 Resp: 975
Ion Ratio Lower Upper
45 100
58 117.8 35.0 52.6#



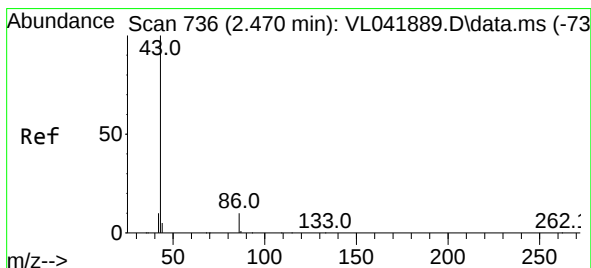
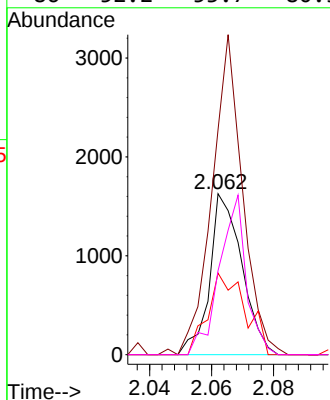
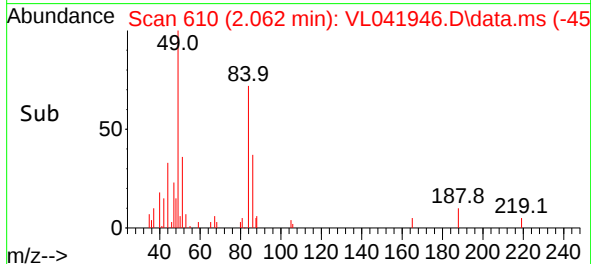


#20
Methylene Chloride
Concen: 0.173 ppbv
RT: 2.062 min Scan# 612
Delta R.T. -0.006 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

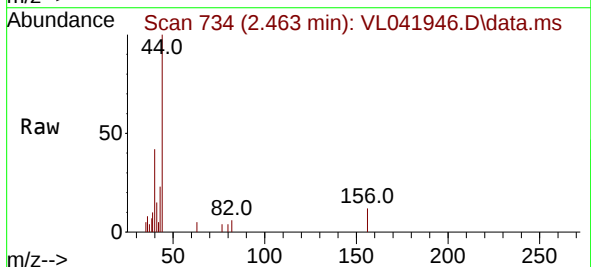
Instrument :
MSVOA_L
ClientSampleId :



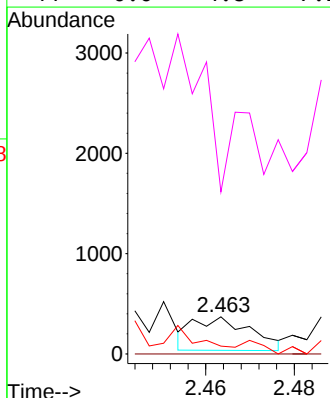
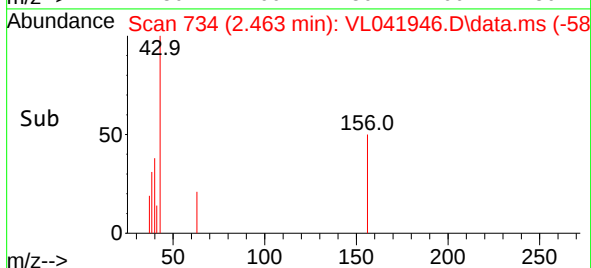
Tgt Ion: 84 Resp: 1173
Ion Ratio Lower Upper
84 100
49 139.8 123.1 184.7
51 50.8 35.8 53.8
86 52.2 53.7 80.5#

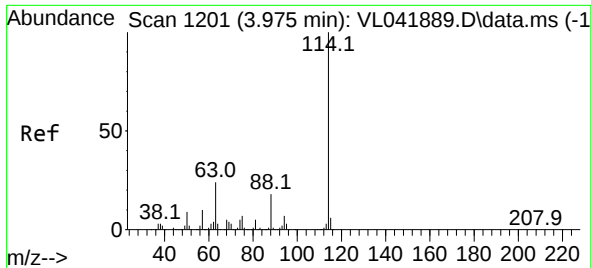


#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 2.463 min Scan# 734
Delta R.T. -0.006 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17



Tgt Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#
42 33.1 8.5 12.7#
44 0.0 4.8 7.2#

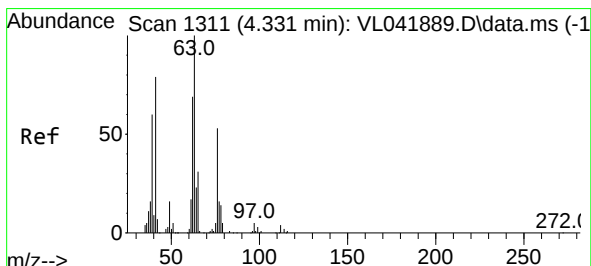
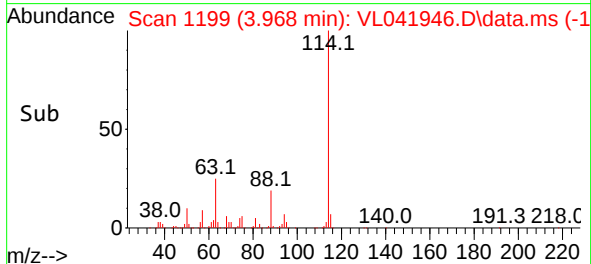
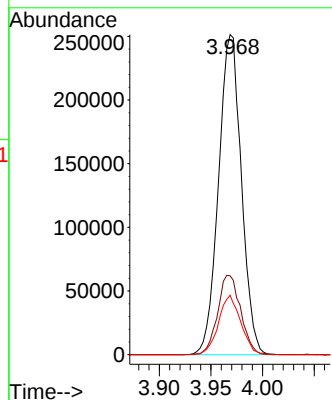
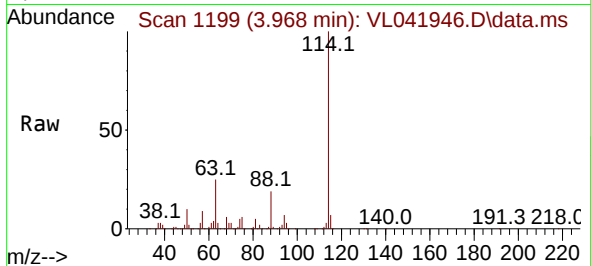




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.968 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: VL041946.D
 Acq: 27 Jan 2025 11:17

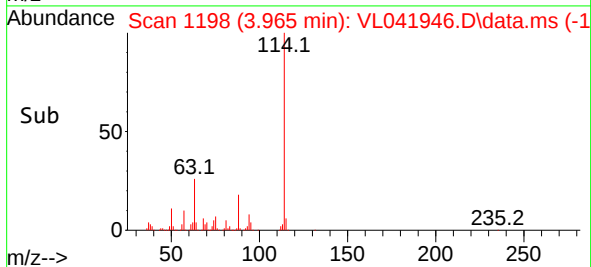
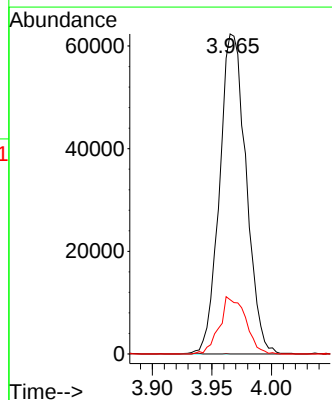
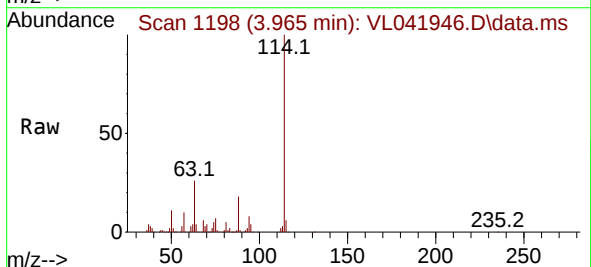
Instrument :
 MSVOA_L
 ClientSampleId :

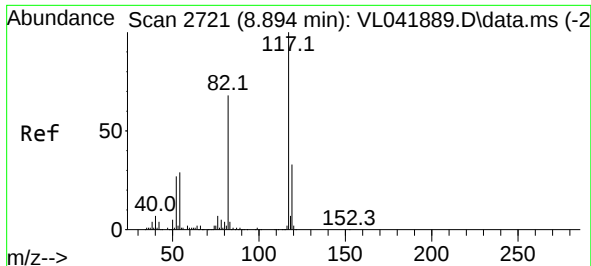
Tgt Ion:114 Resp: 386765
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.8 29.6
 88 18.0 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.758 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. -0.366 min
 Lab File: VL041946.D
 Acq: 27 Jan 2025 11:17

Tgt Ion: 63 Resp: 96536
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.7 95.5#
 62 17.0 55.4 83.2#

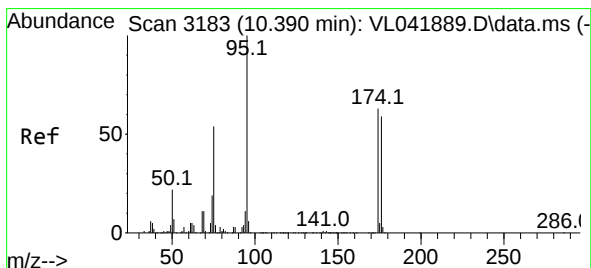
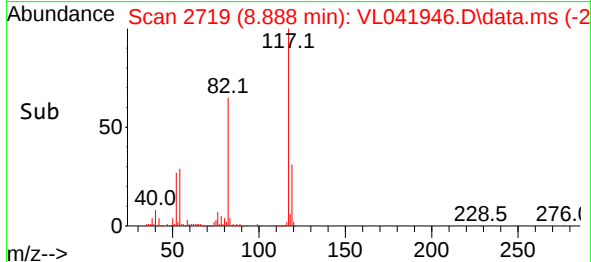
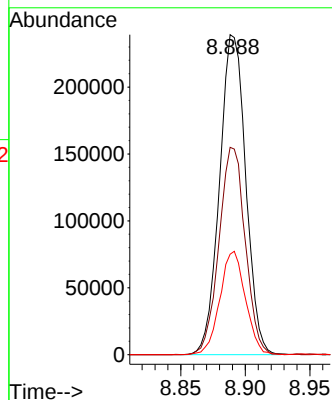
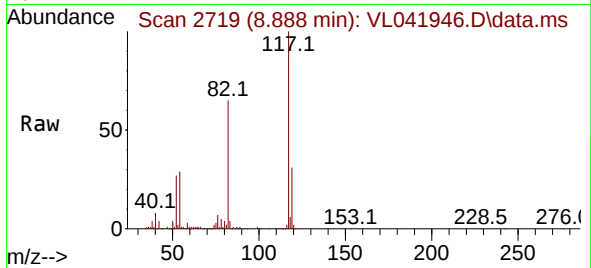




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 337301
Ion Ratio Lower Upper
117 100
82 65.0 54.2 81.4
119 31.5 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.675 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.006 min
Lab File: VL041946.D
Acq: 27 Jan 2025 11:17

Tgt Ion: 95 Resp: 257049
Ion Ratio Lower Upper
95 100
174 59.2 49.0 73.4
175 4.5 3.8 5.8

