

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041918.D
 Acq On : 20 Jan 2025 13:07
 Operator : SY/MD
 Sample : VL0120ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 21 05:06:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	2.787	49	143281	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	414856	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.882	117	358631	10.000	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	275930	9.768	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%

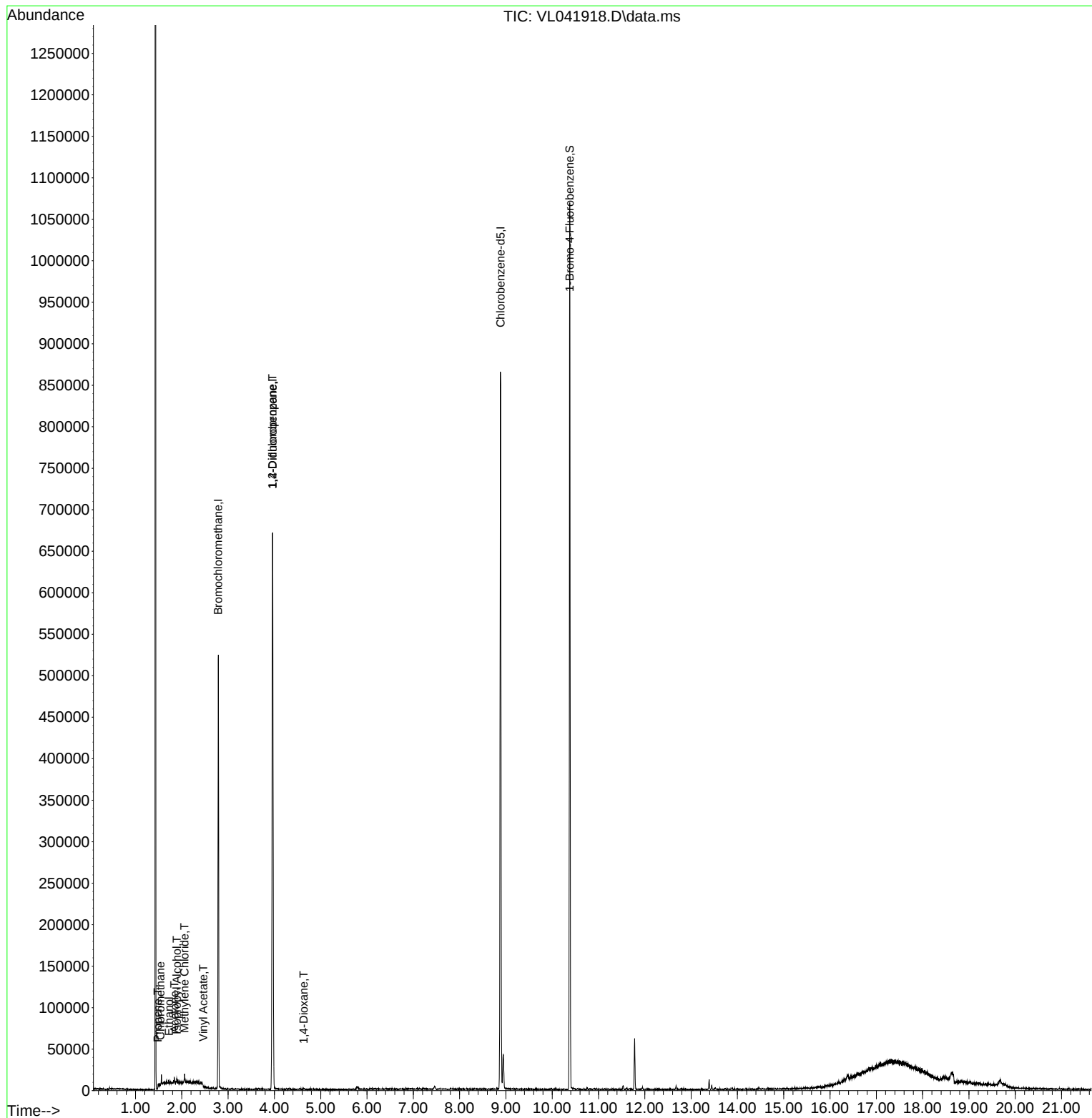
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

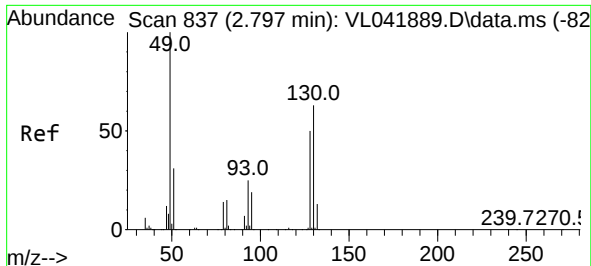
4) Chloromethane	1.535	50	305	0.042	ppbv #	72
9) Propene	1.483	41	589	0.070	ppbv	96
13) Ethanol	1.722	45	1439	2.333	ppbv #	31
15) Acetone	1.839	43	3572	0.208	ppbv	93
19) Isopropyl Alcohol	1.891	45	1845	0.181	ppbv #	36
20) Methylene Chloride	2.059	84	1449	0.213	ppbv #	72
23) Vinyl Acetate	2.467	43	284	0.033	ppbv #	1
39) 1,2-Dichloropropane	3.959	63	101305	7.590	ppbv #	22
40) 1,4-Dioxane	4.629	88	252	0.037	ppbv #	1

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 21 05:06:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

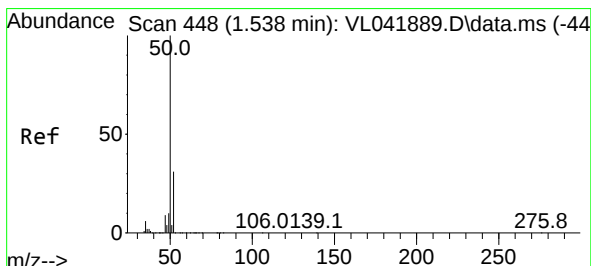
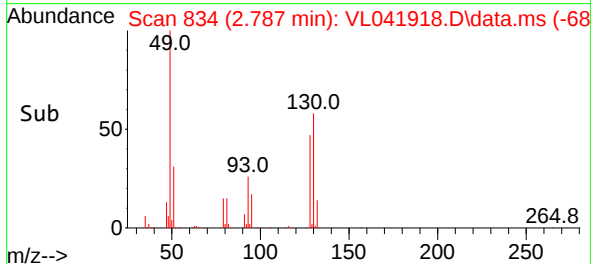
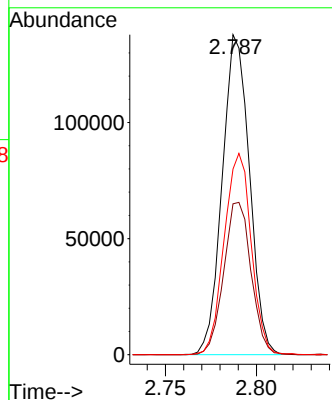
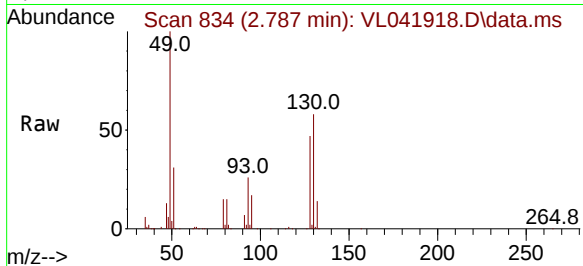




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

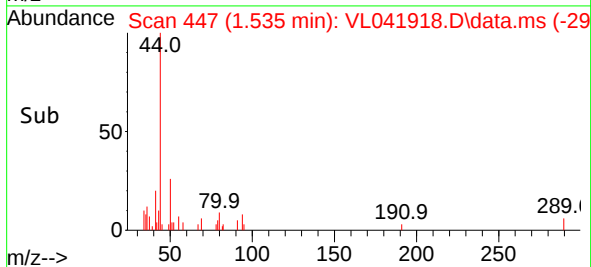
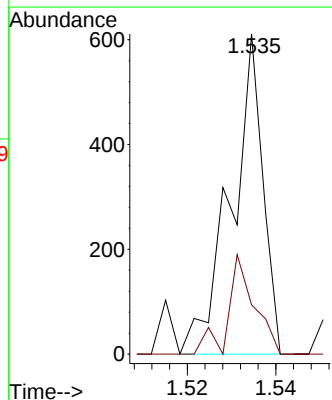
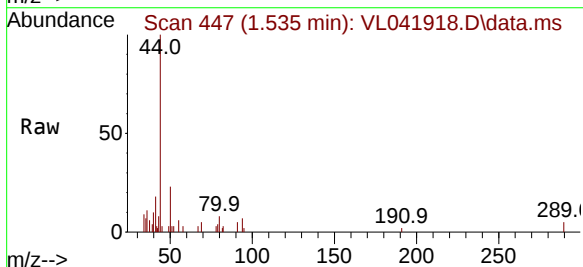
Instrument :
MSVOA_L
ClientSampleId :

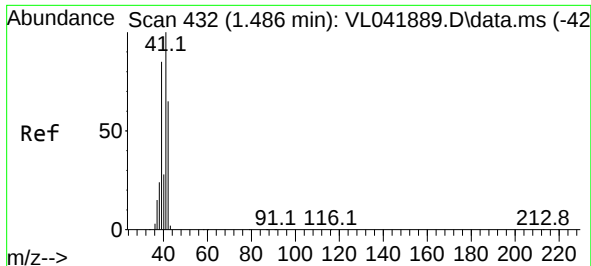
Tgt Ion: 49 Resp: 143281
Ion Ratio Lower Upper
49 100
128 48.0 24.3 73.0
130 62.7 31.1 93.2



#4
Chloromethane
Concen: 0.042 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

Tgt Ion: 50 Resp: 305
Ion Ratio Lower Upper
50 100
52 15.4 24.6 36.8#

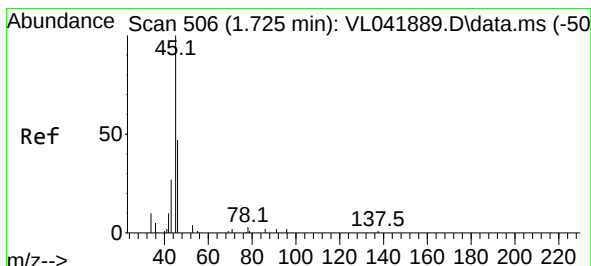
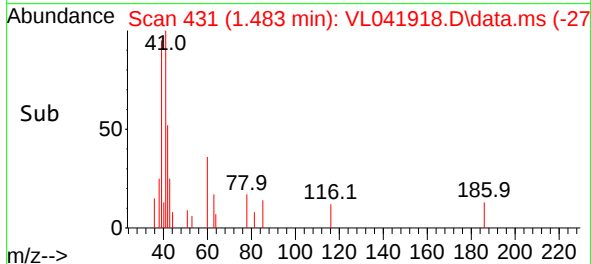
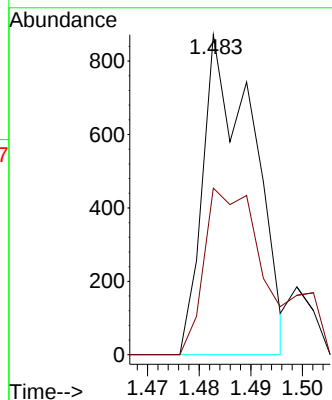
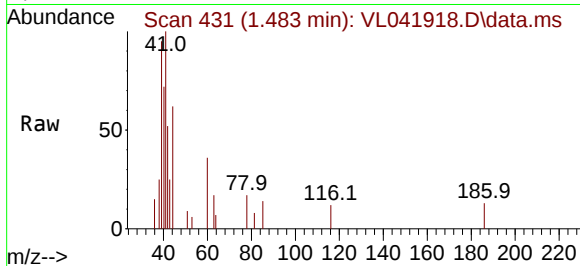




#9
 Propene
 Concen: 0.070 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041918.D
 Acq: 20 Jan 2025 13:07

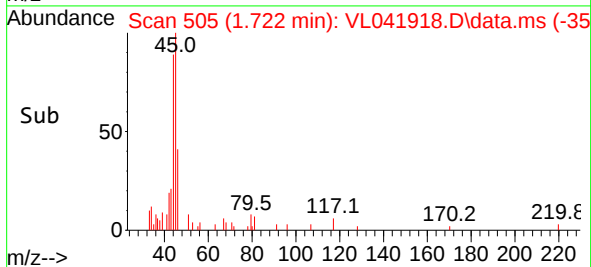
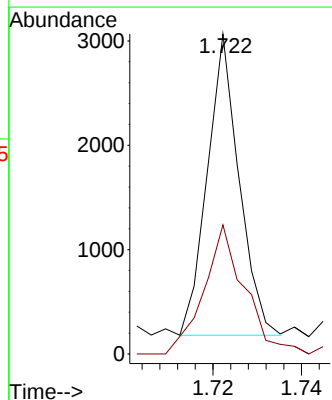
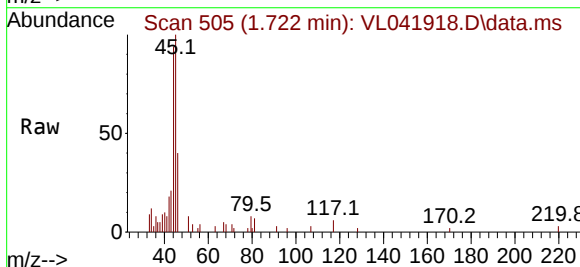
Instrument :
 MSVOA_L
 ClientSampleId :

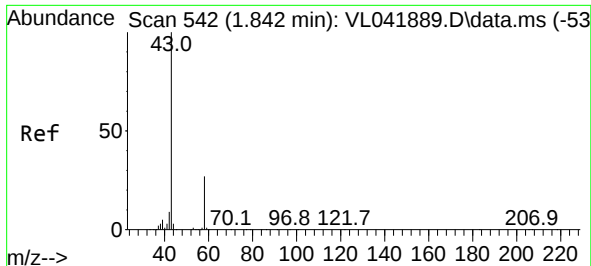
Tgt Ion: 41 Resp: 589
 Ion Ratio Lower Upper
 41 100
 42 68.3 52.0 78.0



#13
 Ethanol
 Concen: 2.333 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. -0.003 min
 Lab File: VL041918.D
 Acq: 20 Jan 2025 13:07

Tgt Ion: 45 Resp: 1439
 Ion Ratio Lower Upper
 45 100
 46 0.0 18.1 72.5#

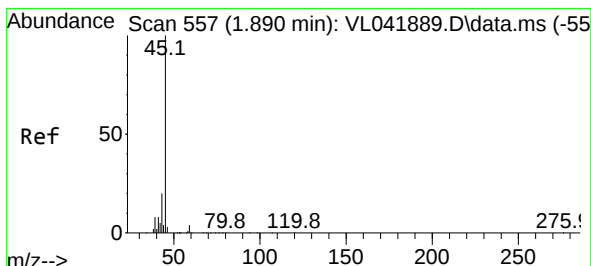
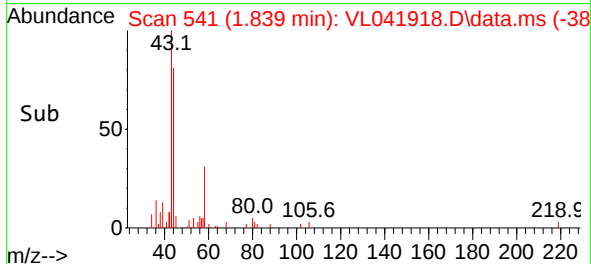
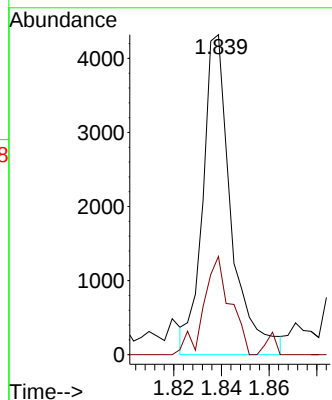
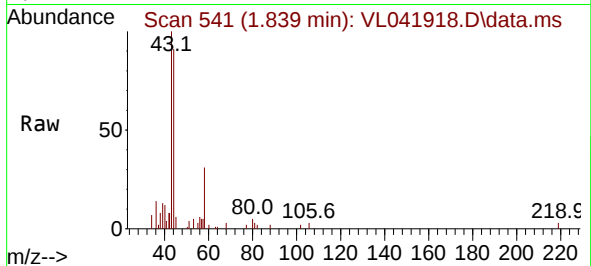




#15
Acetone
Concen: 0.208 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

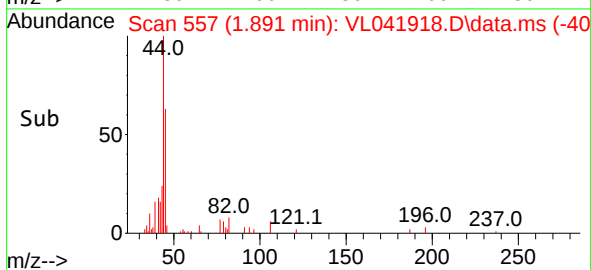
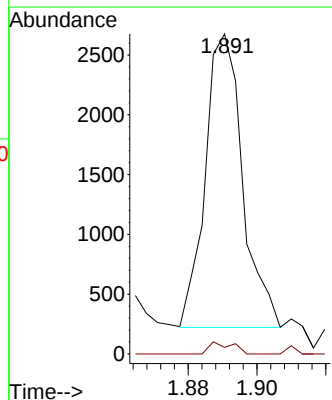
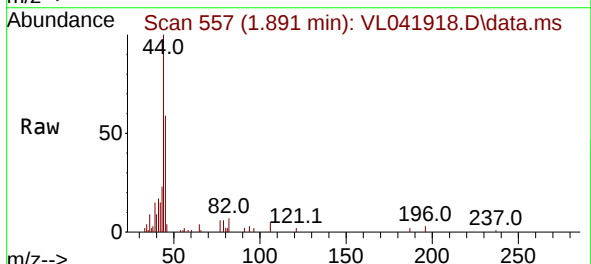
Instrument :
MSVOA_L
ClientSampleId :

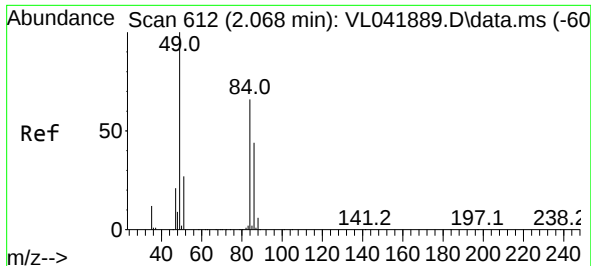
Tgt Ion: 43 Resp: 3572
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



#19
Isopropyl Alcohol
Concen: 0.181 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

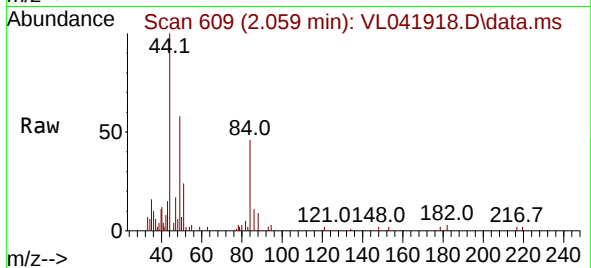
Tgt Ion: 45 Resp: 1845
Ion Ratio Lower Upper
45 100
58 2.5 35.0 52.6#





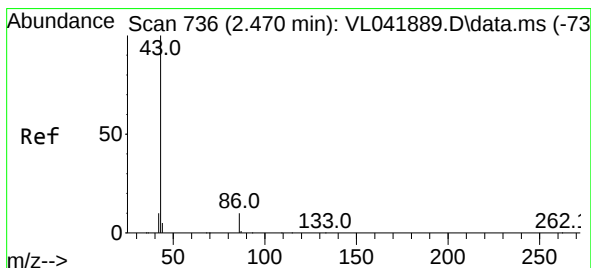
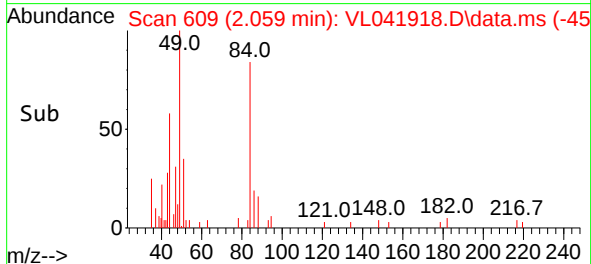
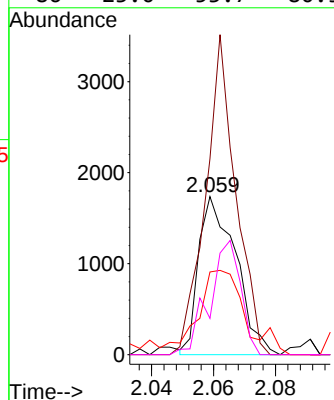
#20
Methylene Chloride
Concen: 0.213 ppbv
RT: 2.059 min Scan# 612
Delta R.T. -0.010 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 1449

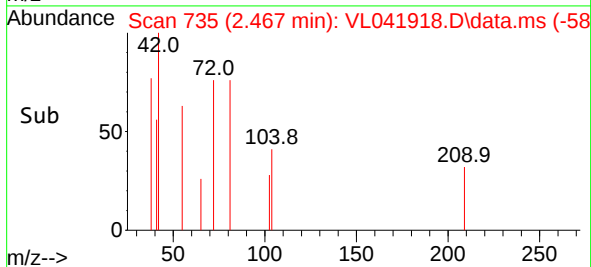
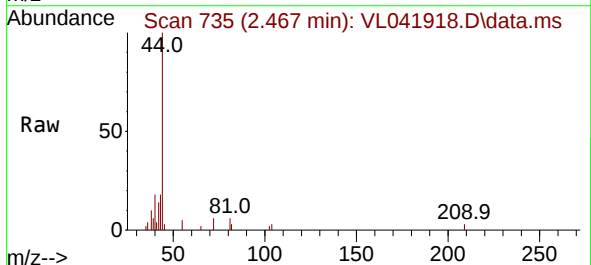
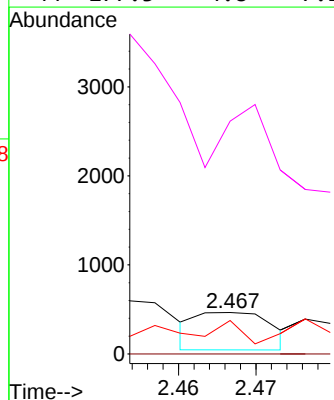
Ion	Ratio	Lower	Upper
84	100		
49	123.9	123.1	184.7
51	48.2	35.8	53.8
86	23.0	53.7	80.5#

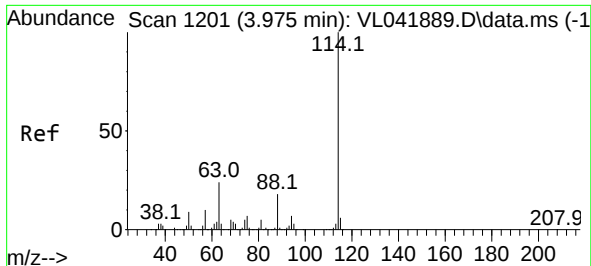


#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 2.467 min Scan# 735
Delta R.T. -0.003 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

Tgt Ion: 43 Resp: 284

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#
42	73.7	8.5	12.7#
44	277.3	4.8	7.2#

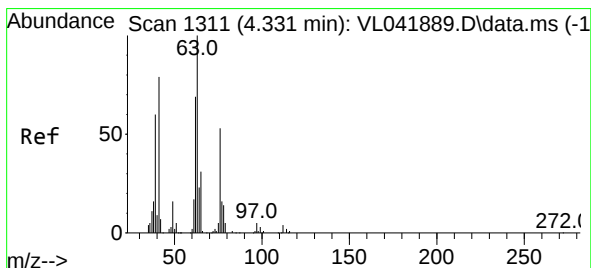
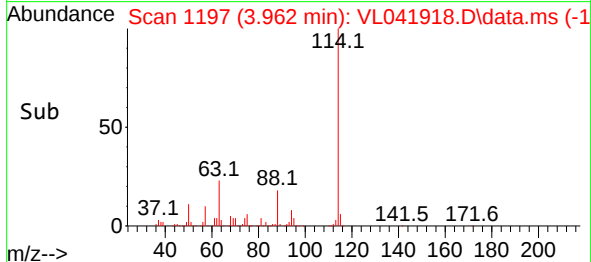
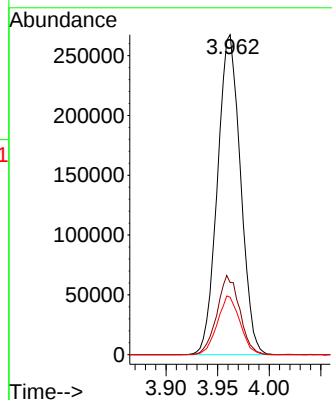
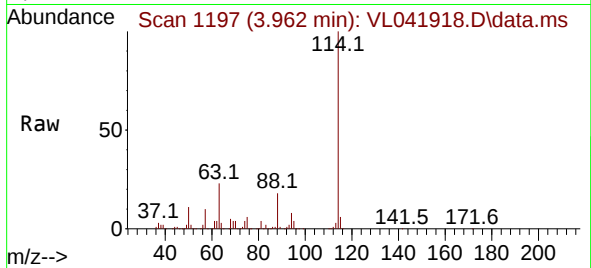




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.013 min
 Lab File: VL041918.D
 Acq: 20 Jan 2025 13:07

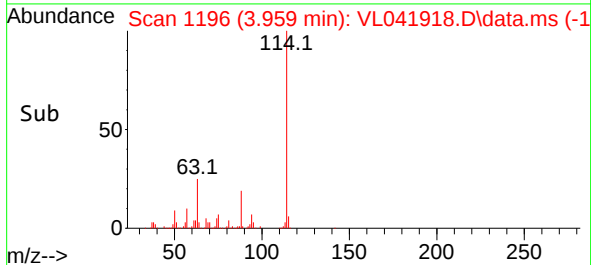
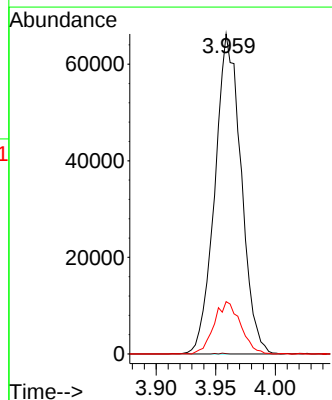
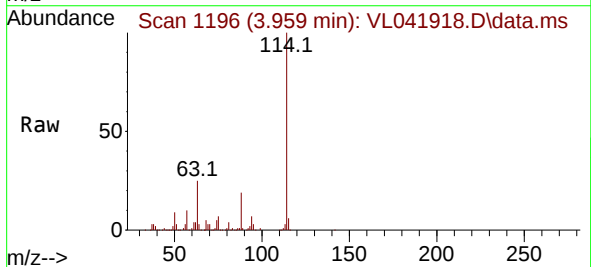
Instrument :
 MSVOA_L
 ClientSampleId :

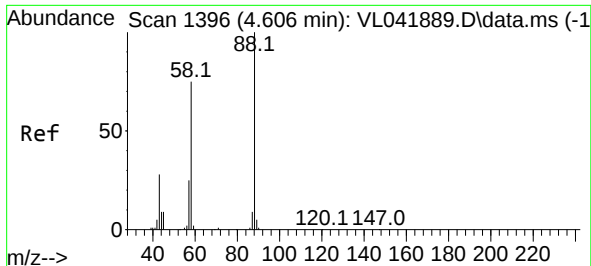
Tgt Ion:114 Resp: 414856
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.8 29.6
 88 18.0 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.590 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.372 min
 Lab File: VL041918.D
 Acq: 20 Jan 2025 13:07

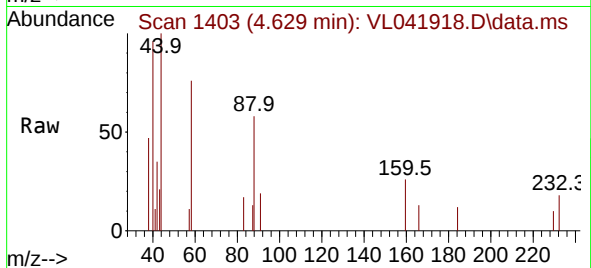
Tgt Ion: 63 Resp: 101305
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.7 95.5#
 62 16.4 55.4 83.2#



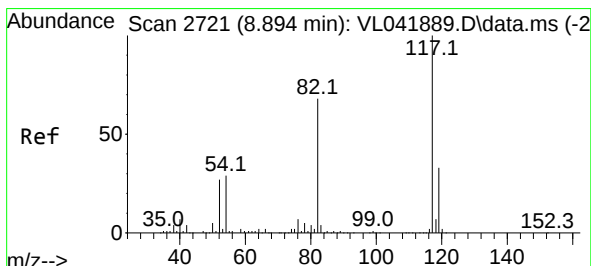
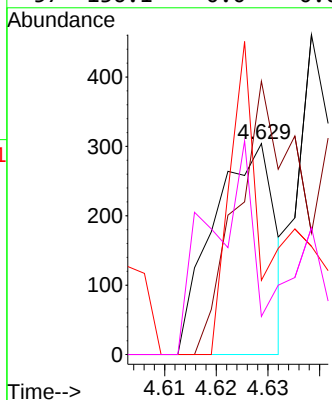
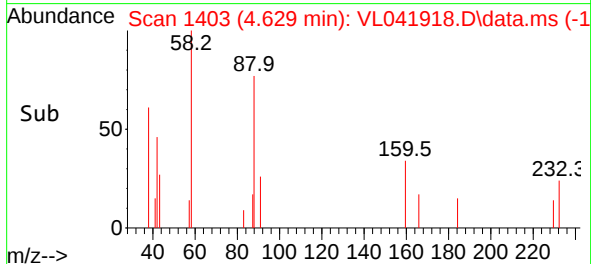


#40
1,4-Dioxane
Concen: 0.037 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.023 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

Instrument :
MSVOA_L
ClientSampleId :

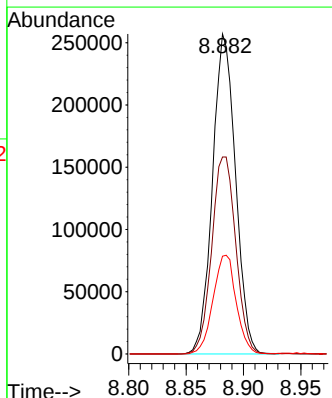
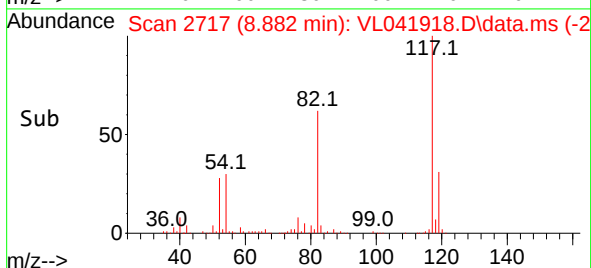
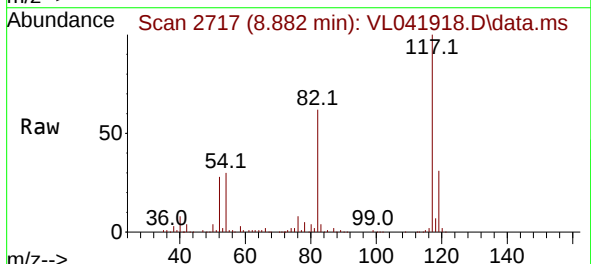


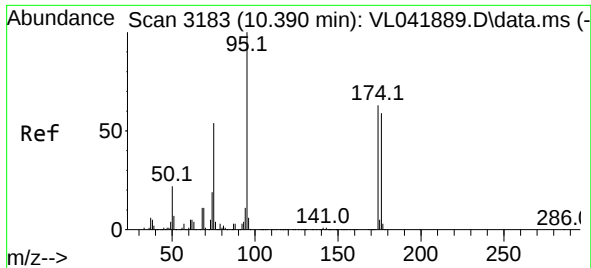
Tgt Ion:	88	Resp:	252
Ion	Ratio	Lower	Upper
88	100		
58	182.9	62.1	93.1#
43	188.9	0.0	0.0#
57	136.1	0.0	0.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.013 min
Lab File: VL041918.D
Acq: 20 Jan 2025 13:07

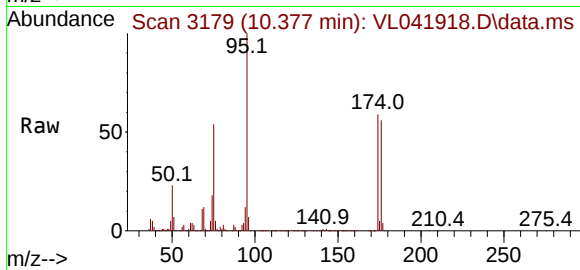
Tgt Ion:	117	Resp:	358631
Ion	Ratio	Lower	Upper
117	100		
82	64.5	54.2	81.4
119	31.4	25.0	37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.768 ppbv
 RT: 10.377 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VL041918.D
 Acq: 20 Jan 2025 13:07

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 275930
 Ion Ratio Lower Upper
 95 100
 174 60.1 49.0 73.4
 175 4.7 3.8 5.8

