

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042634.D
 Acq On : 16 Jun 2025 18:03
 Operator : SY/MD
 Sample : QC061625 CAN 23182
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061625 CAN 23182

Quant Time: Jun 17 03:09:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

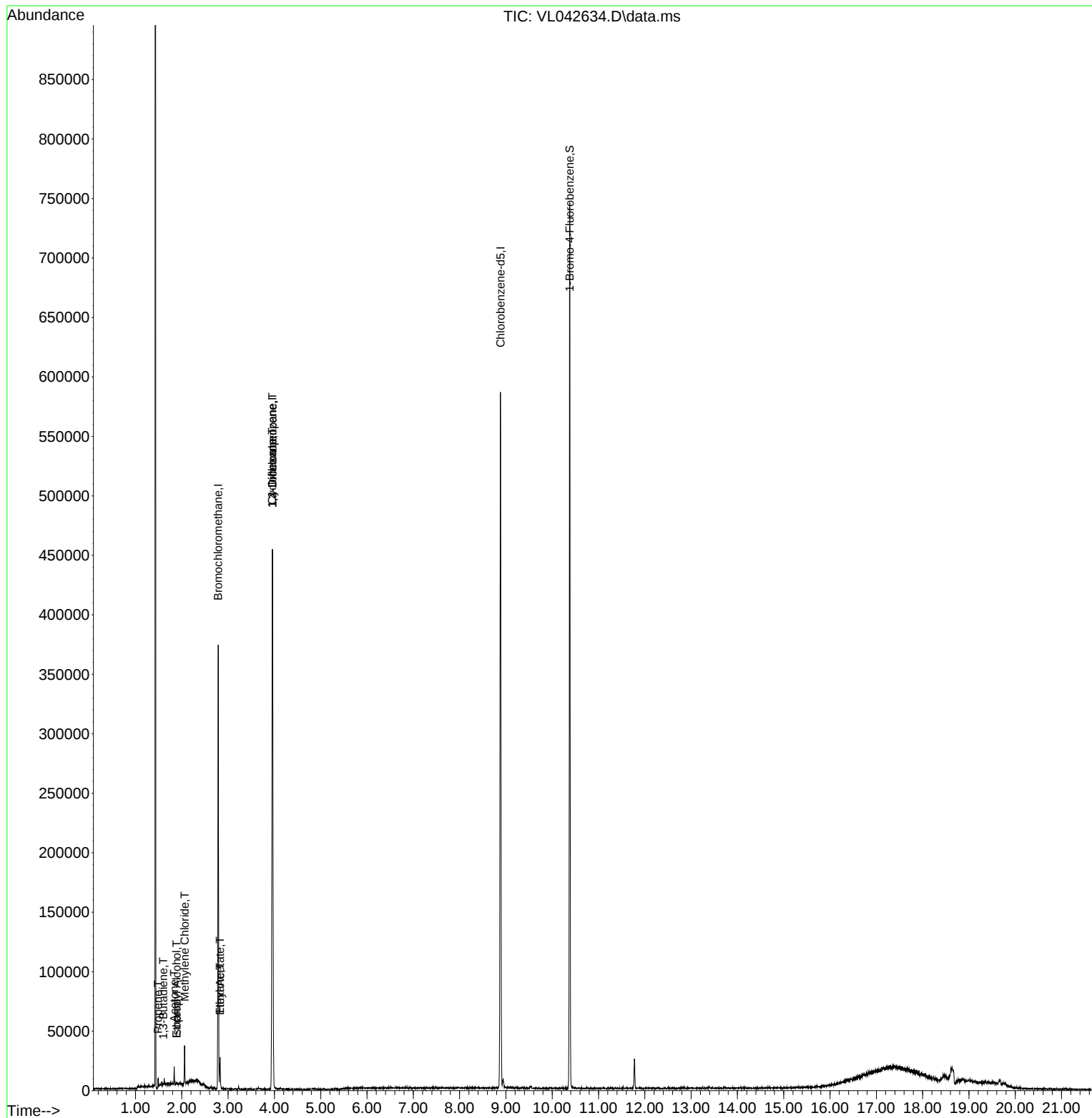
Internal Standards							
1) Bromochloromethane		2.787	49	101310	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.959	114	264995	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.882	117	232858	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.377	95	182074	10.431	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 104.300%	
Target Compounds							
							Qvalue
9) Propene		1.489	41	682	0.099	ppbv	86
13) Ethanol		1.887	45	731	0.888	ppbv #	39
15) Acetone		1.835	43	6641	0.544	ppbv	95
16) 1,3-Butadiene		1.599	39	209	0.036	ppbv #	38
19) Isopropyl Alcohol		1.887	45	731	0.100	ppbv #	1
20) Methylene Chloride		2.062	84	4751	1.180	ppbv #	93
25) Ethyl Acetate		2.823	43	4006	0.120	ppbv #	75
26) Hexane		2.826	57	5829	0.384	ppbv #	38
30) Cyclohexane		3.955	84	856	0.068	ppbv #	1
39) 1,2-Dichloropropane		3.959	63	67682	7.014	ppbv #	23

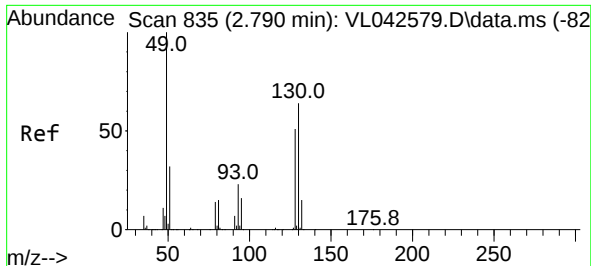
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042634.D
Acq On : 16 Jun 2025 18:03
Operator : SY/MD
Sample : QC061625 CAN 23182
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Quant Time: Jun 17 03:09:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

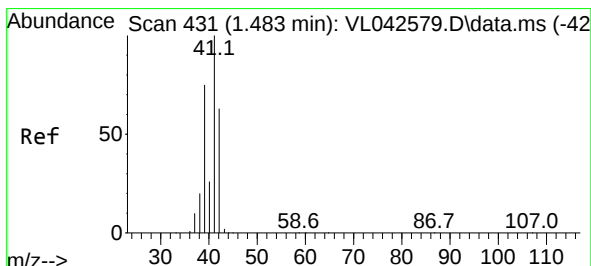
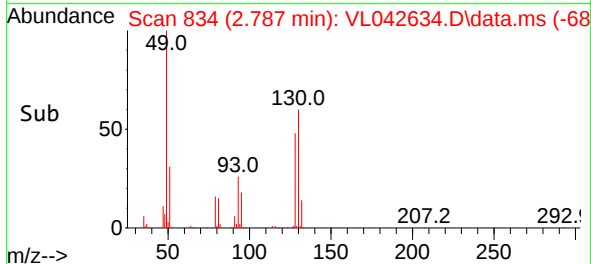
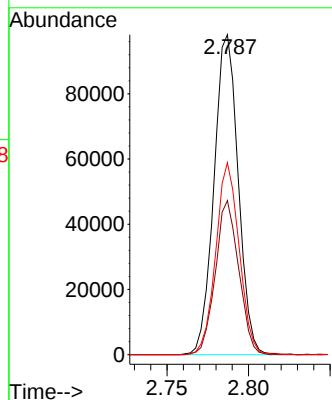
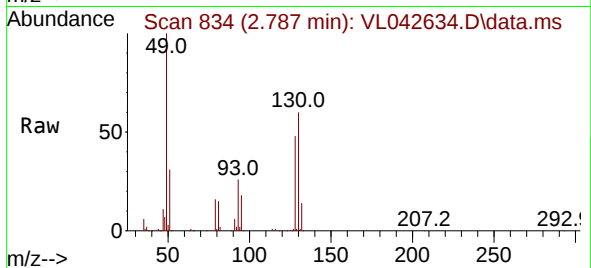




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

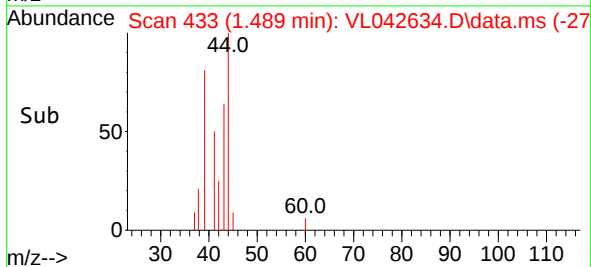
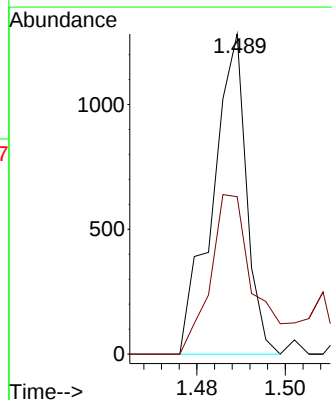
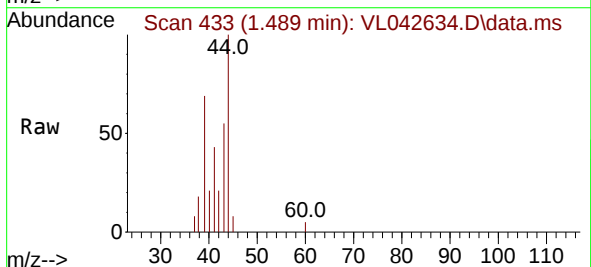
Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

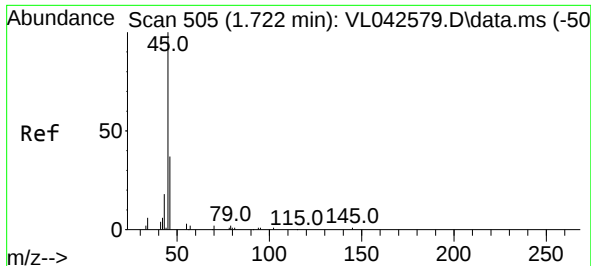
Tgt Ion: 49 Resp: 101310
Ion Ratio Lower Upper
49 100
128 46.5 24.2 72.6
130 57.9 30.4 91.2



#9
Propene
Concen: 0.099 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

Tgt Ion: 41 Resp: 682
Ion Ratio Lower Upper
41 100
42 77.6 53.3 79.9

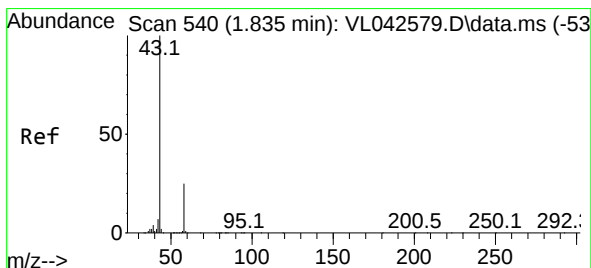
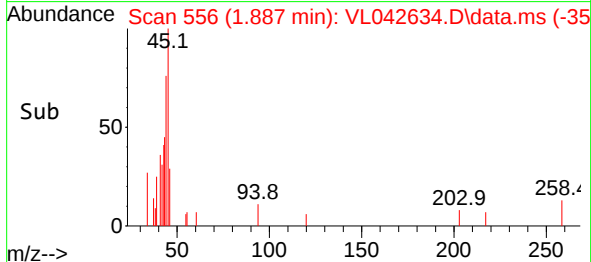
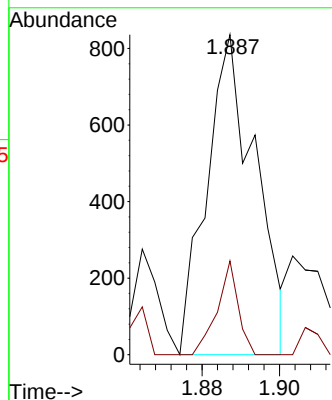
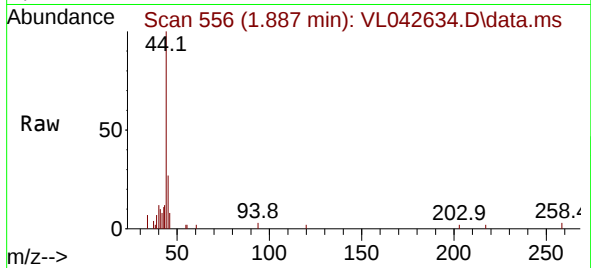




#13
 Ethanol
 Concen: 0.888 ppbv
 RT: 1.887 min Scan# 51
 Delta R.T. 0.165 min
 Lab File: VL042634.D
 Acq: 16 Jun 2025 18:03

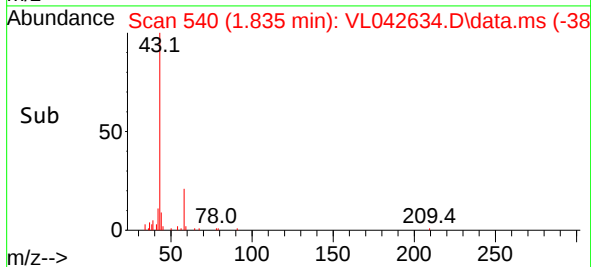
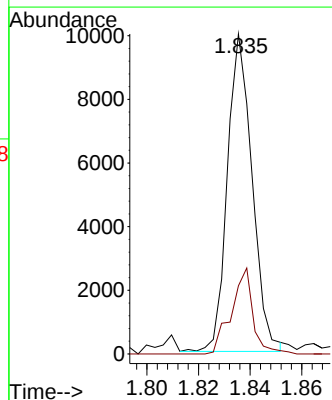
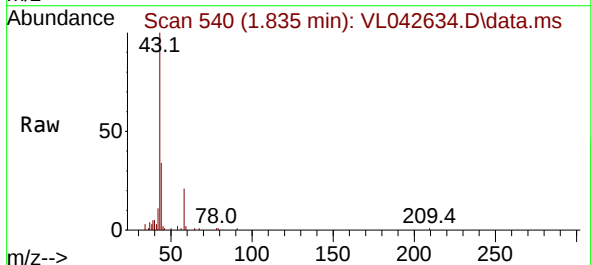
Instrument :
 MSVOA_L
 ClientSampleId :
 QC061625 CAN 23182

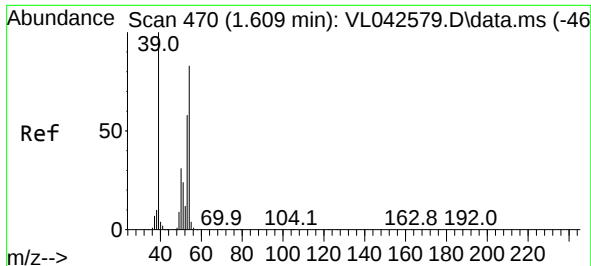
Tgt Ion: 45 Resp: 731
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 58.1#



#15
 Acetone
 Concen: 0.544 ppbv
 RT: 1.835 min Scan# 540
 Delta R.T. 0.000 min
 Lab File: VL042634.D
 Acq: 16 Jun 2025 18:03

Tgt Ion: 43 Resp: 6641
 Ion Ratio Lower Upper
 43 100
 58 23.8 21.0 31.4

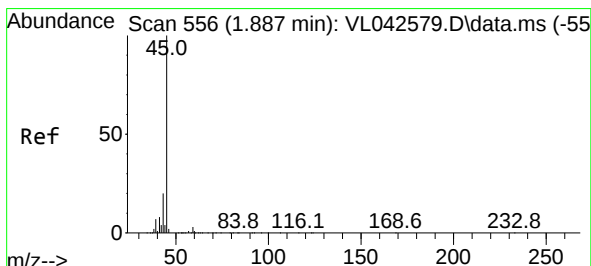
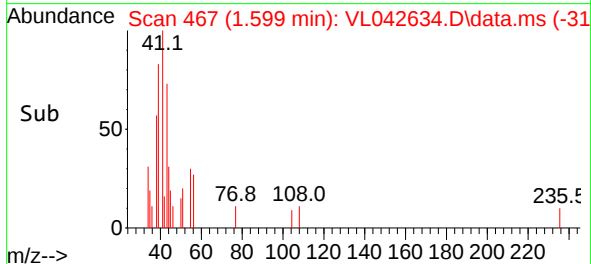
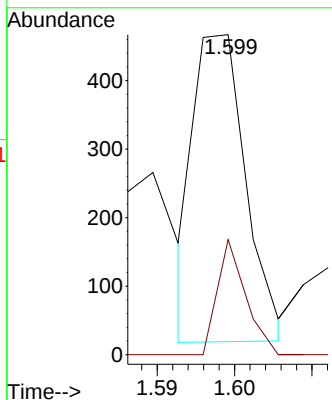
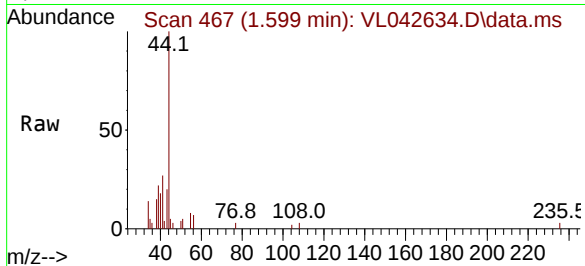




#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 1.599 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

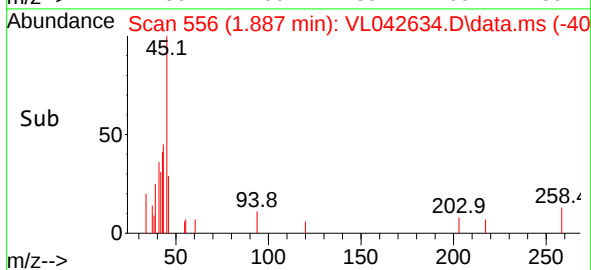
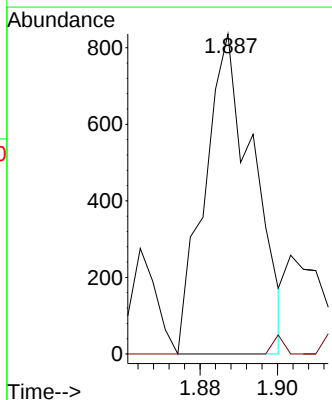
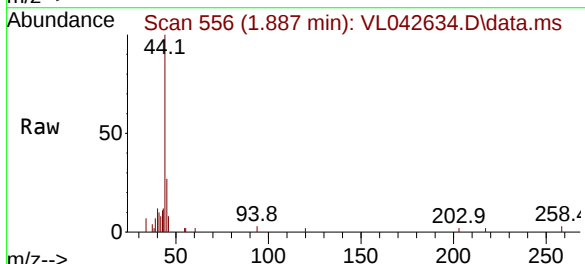
Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

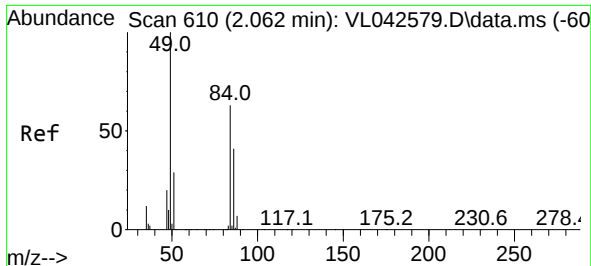
Tgt Ion: 39 Resp: 209
Ion Ratio Lower Upper
39 100
54 20.6 57.9 86.9#



#19
Isopropyl Alcohol
Concen: 0.100 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

Tgt Ion: 45 Resp: 731
Ion Ratio Lower Upper
45 100
58 216.3 29.4 44.2#

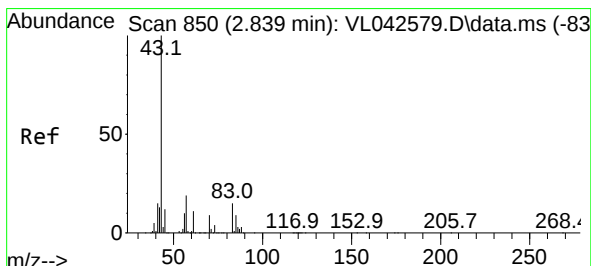
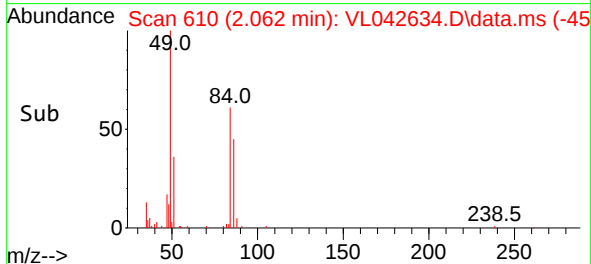
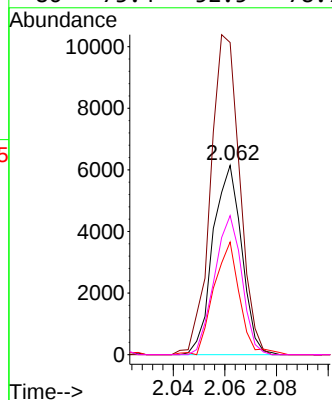
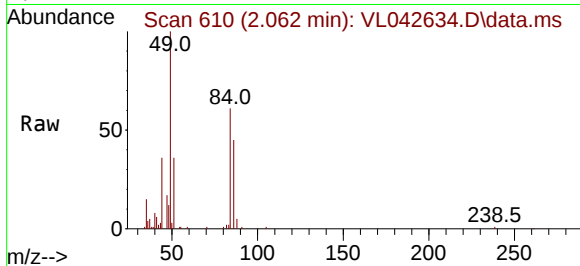




#20
Methylene Chloride
Concen: 1.180 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

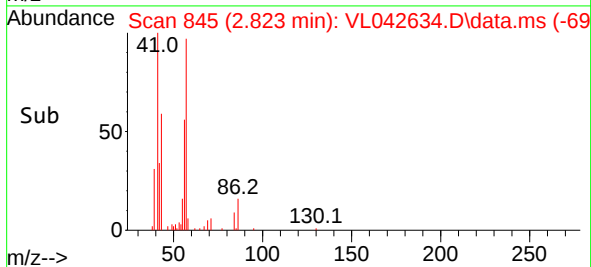
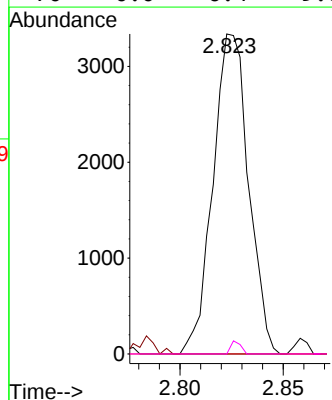
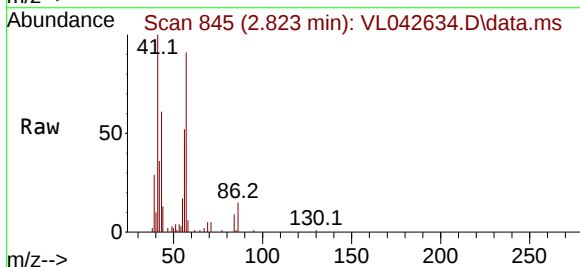
Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

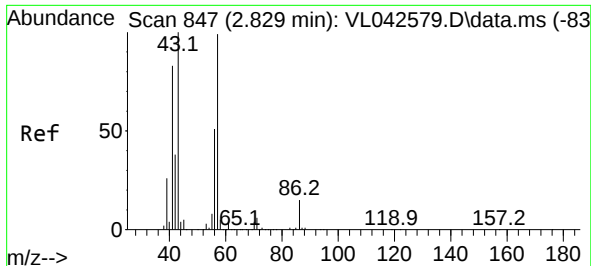
Tgt Ion:	84	Resp:	4751
Ion	Ratio	Lower	Upper
84	100		
49	164.9	128.8	193.2
51	58.7	38.6	57.8#
86	73.4	52.5	78.7



#25
Ethyl Acetate
Concen: 0.120 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.016 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

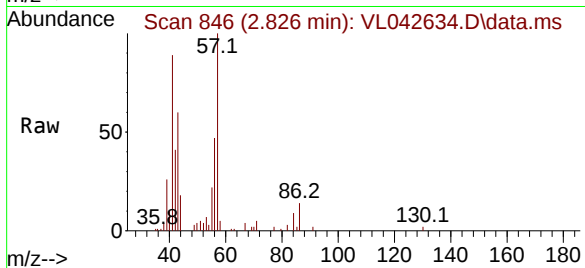
Tgt Ion:	43	Resp:	4006
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.0	7.1	10.7#
70	0.0	6.4	9.6#





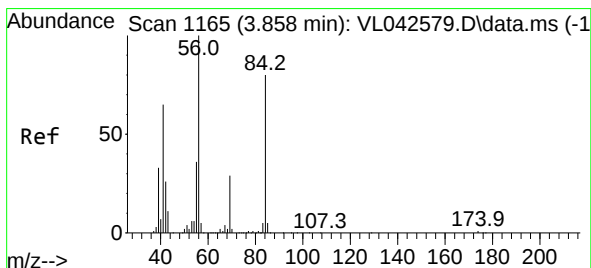
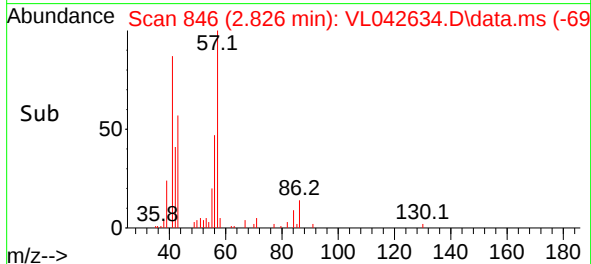
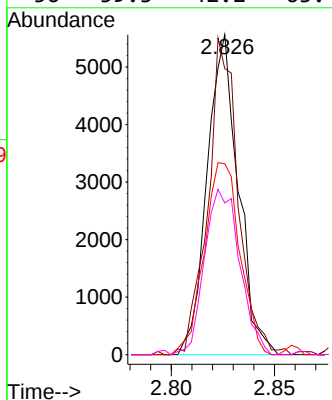
#26
Hexane
Concen: 0.384 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182



Tgt Ion: 57 Resp: 5829

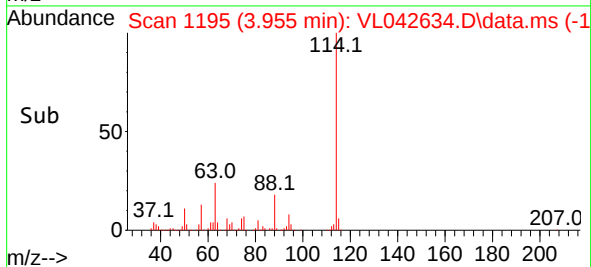
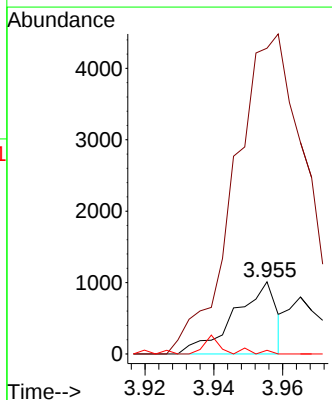
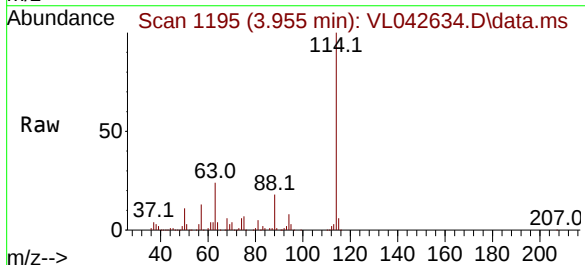
Ion	Ratio	Lower	Upper
57	100		
41	97.1	70.6	106.0
43	70.9	181.1	271.7#
56	59.3	42.2	63.4

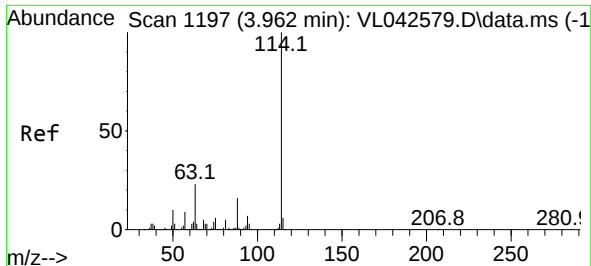


#30
Cyclohexane
Concen: 0.068 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.097 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

Tgt Ion: 84 Resp: 856

Ion	Ratio	Lower	Upper
84	100		
56	778.3	103.7	155.5#
41	14.5	65.1	97.7#

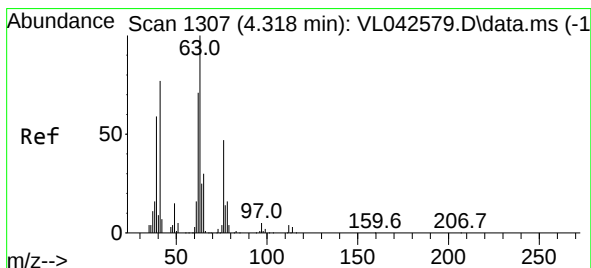
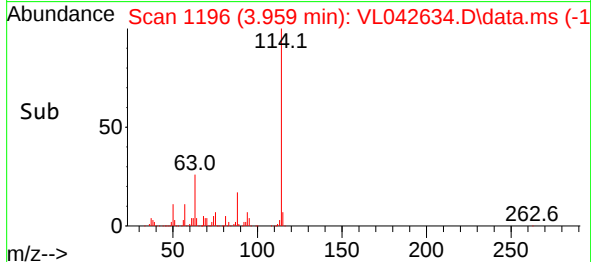
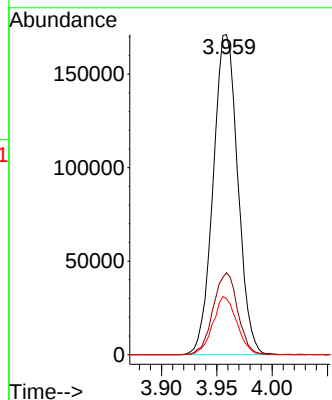
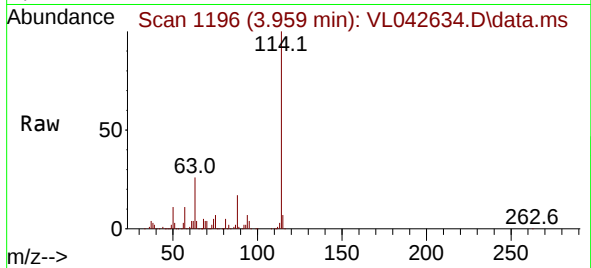




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.003 min
 Lab File: VL042634.D
 Acq: 16 Jun 2025 18:03

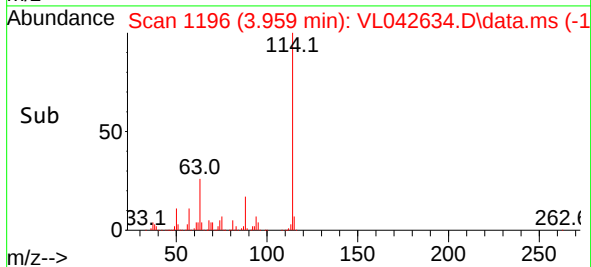
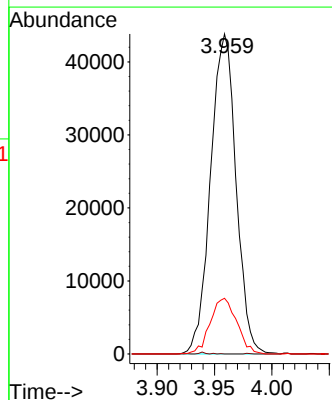
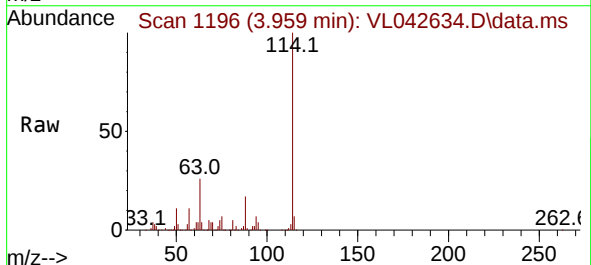
Instrument :
 MSVOA_L
 ClientSampleId :
 QC061625 CAN 23182

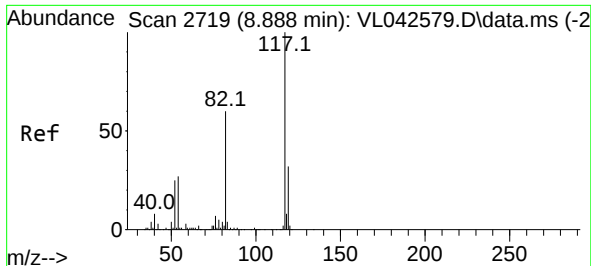
Tgt Ion: 114 Resp: 264995
 Ion Ratio Lower Upper
 114 100
 63 25.6 19.0 28.6
 88 17.7 13.6 20.4



#39
 1,2-Dichloropropane
 Concen: 7.014 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.359 min
 Lab File: VL042634.D
 Acq: 16 Jun 2025 18:03

Tgt Ion: 63 Resp: 67682
 Ion Ratio Lower Upper
 63 100
 41 0.2 61.8 92.6#
 62 17.4 56.6 85.0#

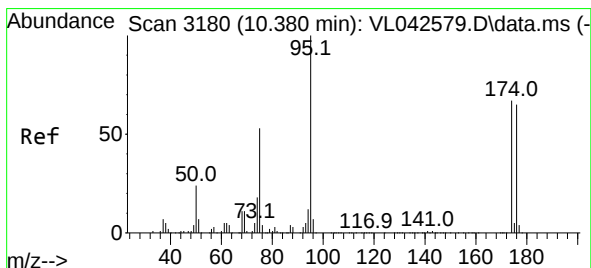
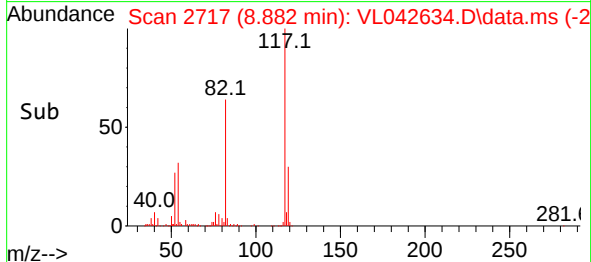
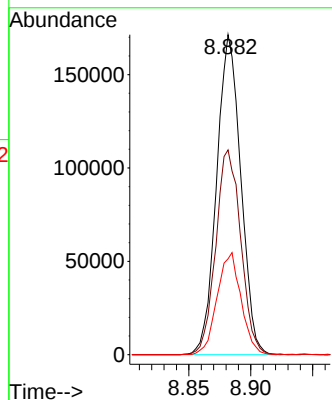
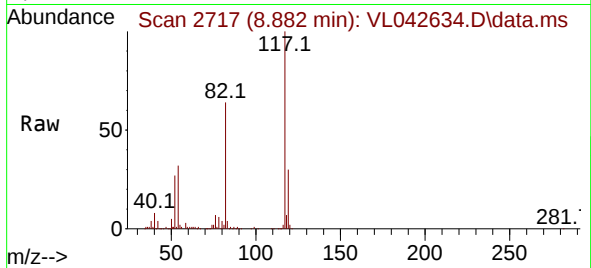




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion:117 Resp: 232858
Ion Ratio Lower Upper
117 100
82 66.3 51.2 76.8
119 31.7 26.3 39.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.431 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042634.D
Acq: 16 Jun 2025 18:03

Tgt Ion: 95 Resp: 182074
Ion Ratio Lower Upper
95 100
174 61.5 53.1 79.7
175 4.4 4.2 6.2

