

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042491.D
 Acq On : 06 May 2025 11:47
 Operator : SY/MD
 Sample : QC042925 CAN 10590
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042925 CAN 10590

Quant Time: May 07 01:38:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

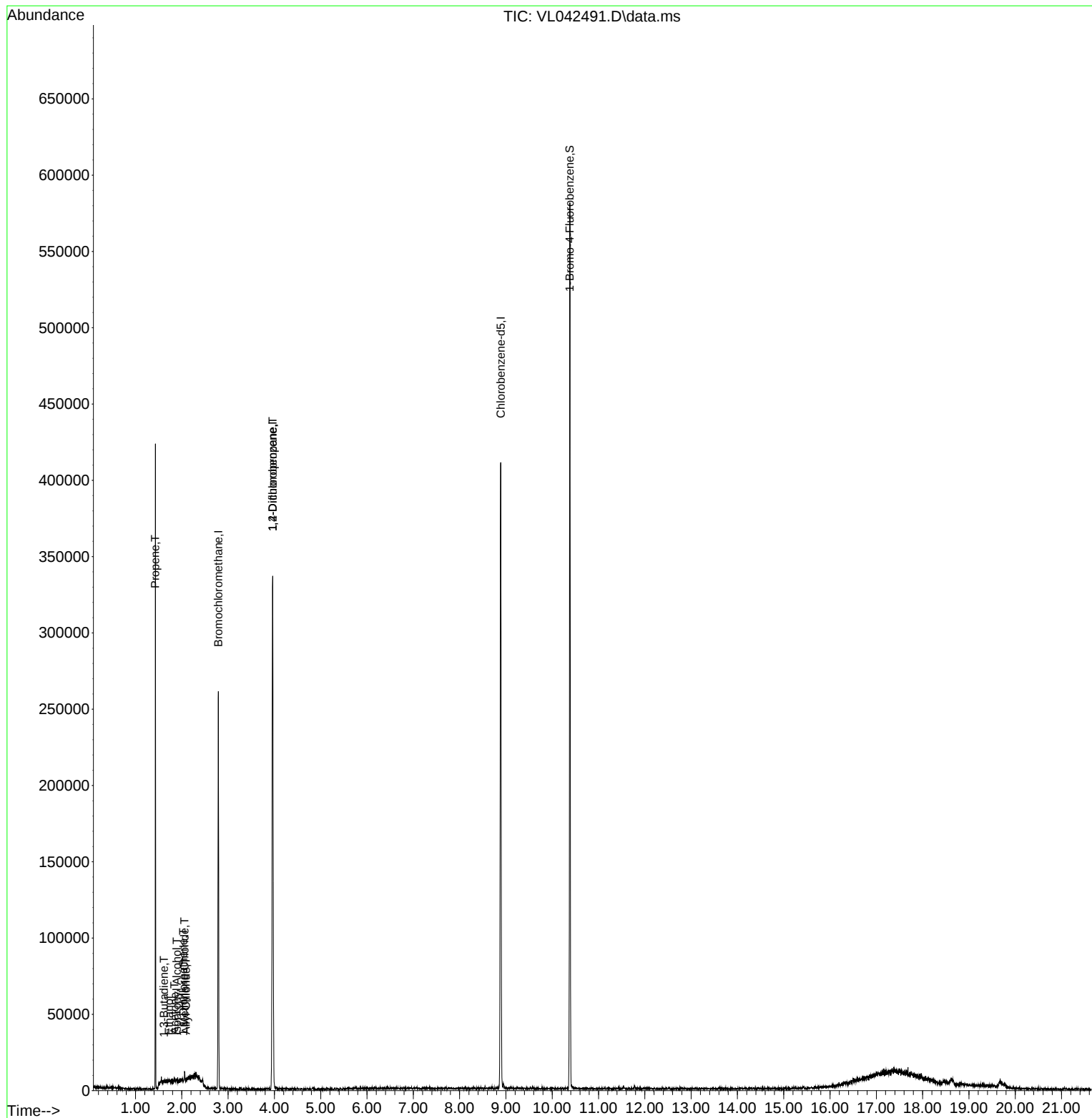
Internal Standards						
1) Bromochloromethane	2.790	49	66497	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	175336	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	146419	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	132588	9.767	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
9) Propene	1.428	41	79	0.021	ppbv	99
13) Ethanol	1.725	45	142	0.184	ppbv #	37
15) Acetone	1.839	43	1332	0.110	ppbv	100
16) 1,3-Butadiene	1.615	39	257	0.048	ppbv #	15
18) 1,1-Dichloroethene	2.036	96	86	0.023	ppbv #	1
19) Isopropyl Alcohol	1.894	45	400	0.060	ppbv #	84
20) Methylene Chloride	2.059	84	721	0.198	ppbv #	84
21) Allyl Chloride	2.088	41	186	0.024	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	50396	8.136	ppbv #	20

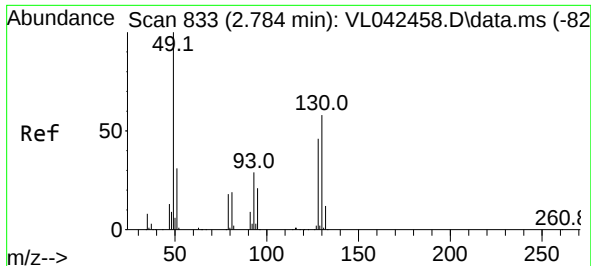
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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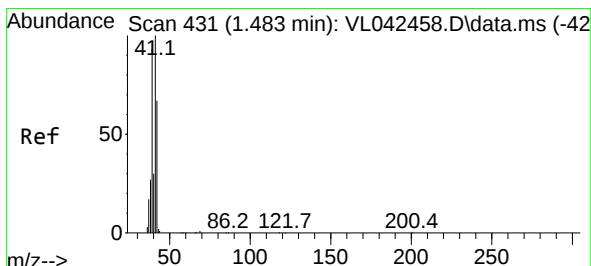
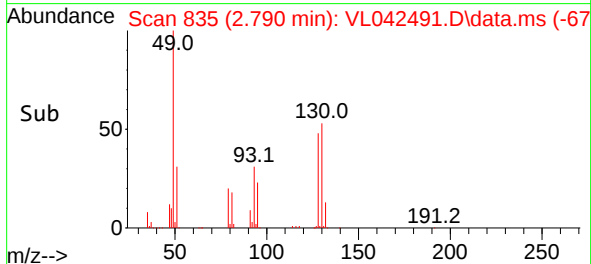
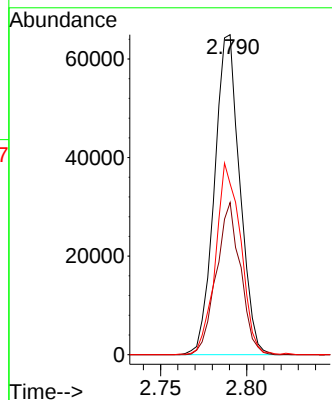
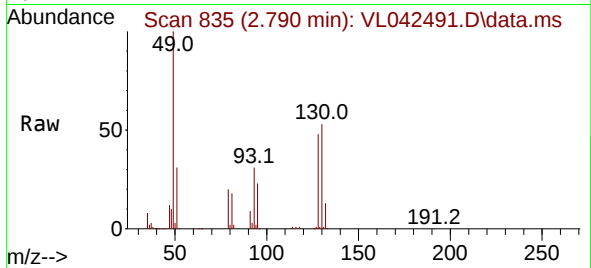




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042491.D
Acq: 06 May 2025 11:47

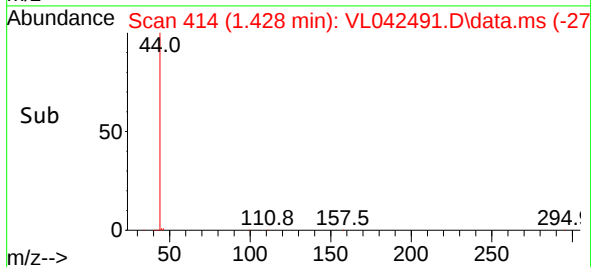
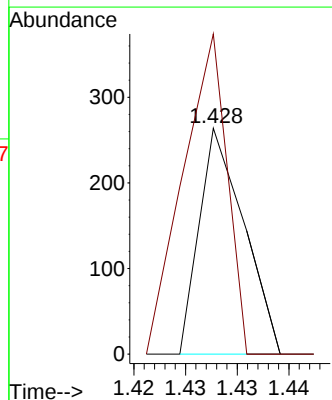
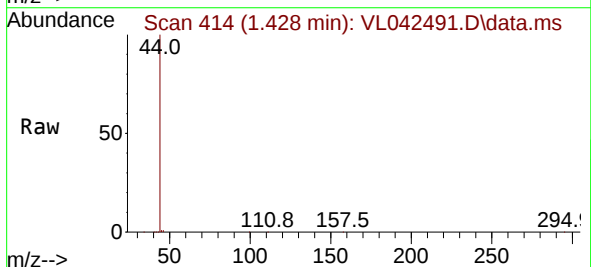
Instrument :
MSVOA_L
ClientSampleId :
QC042925 CAN 10590

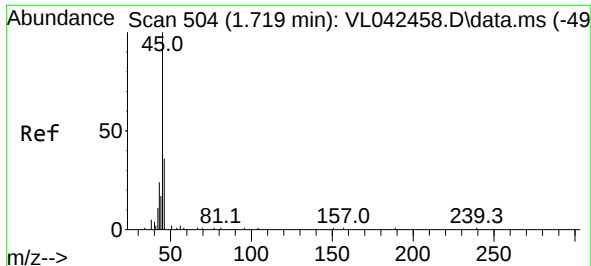
Tgt Ion: 49 Resp: 66497
Ion Ratio Lower Upper
49 100
128 45.4 23.3 69.9
130 59.4 29.5 88.6



#9
Propene
Concen: 0.021 ppbv
RT: 1.428 min Scan# 414
Delta R.T. -0.055 min
Lab File: VL042491.D
Acq: 06 May 2025 11:47

Tgt Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
42 67.1 54.3 81.5

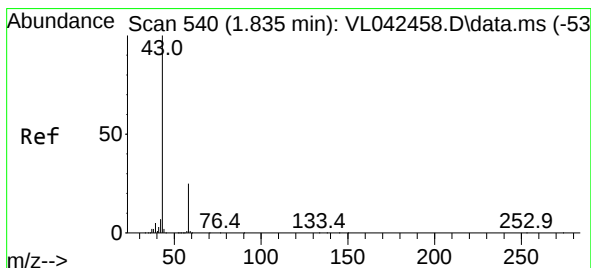
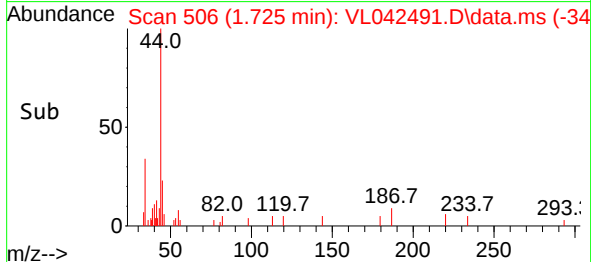
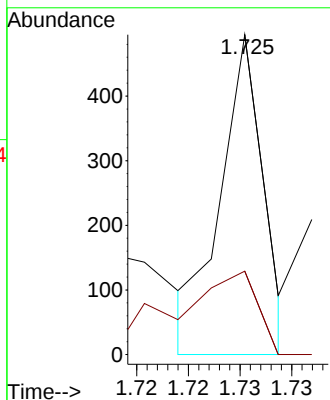
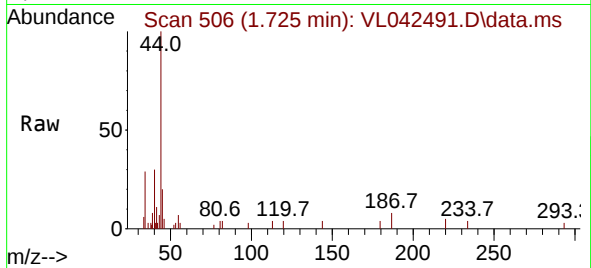




#13
 Ethanol
 Concen: 0.184 ppbv
 RT: 1.725 min Scan# 504
 Delta R.T. 0.007 min
 Lab File: VL042491.D
 Acq: 06 May 2025 11:47

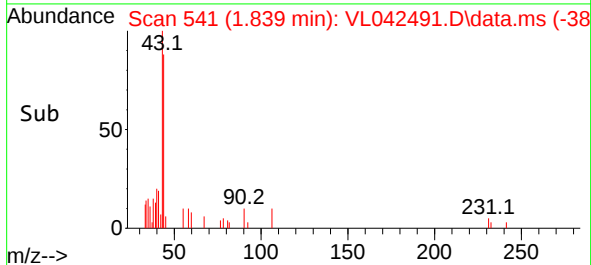
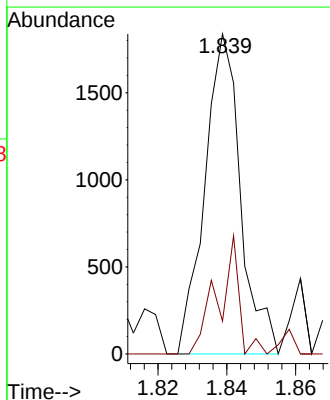
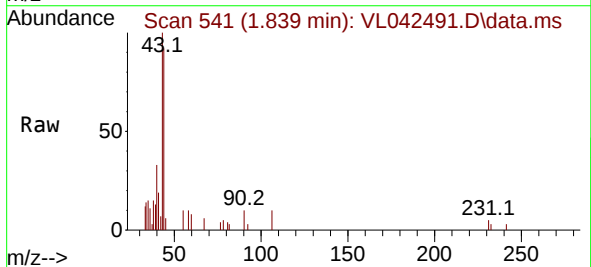
Instrument :
 MSVOA_L
 ClientSampleId :
 QC042925 CAN 10590

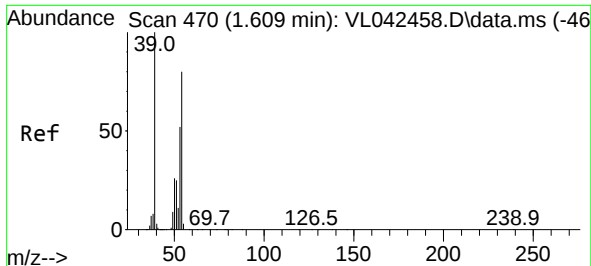
Tgt Ion: 45 Resp: 142
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.1#



#15
 Acetone
 Concen: 0.110 ppbv
 RT: 1.839 min Scan# 541
 Delta R.T. 0.003 min
 Lab File: VL042491.D
 Acq: 06 May 2025 11:47

Tgt Ion: 43 Resp: 1332
 Ion Ratio Lower Upper
 43 100
 58 24.6 19.8 29.8





#16

1,3-Butadiene

Concen: 0.048 ppbv

RT: 1.615 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042491.D

Acq: 06 May 2025 11:47

Instrument :

MSVOA_L

ClientSampleId :

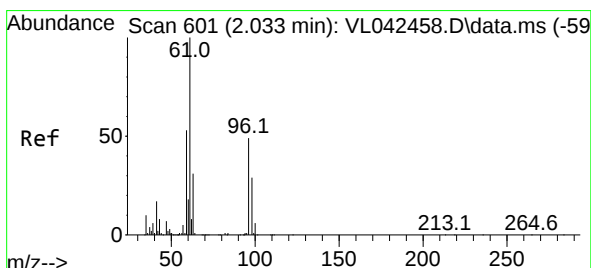
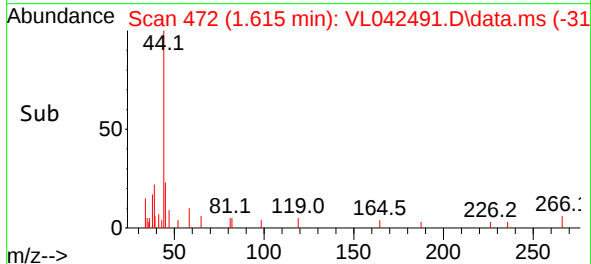
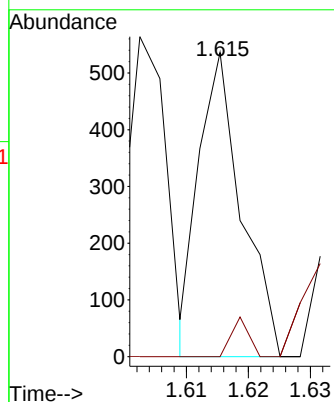
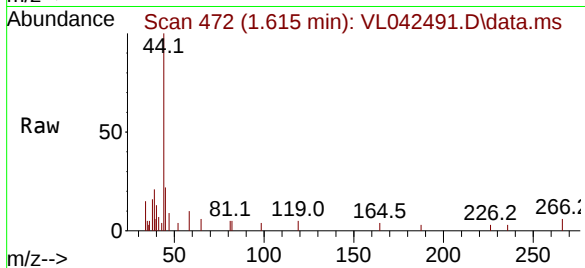
QC042925 CAN 10590

Tgt Ion: 39 Resp: 257

Ion Ratio Lower Upper

39 100

54 0.0 55.2 82.8#



#18

1,1-Dichloroethene

Concen: 0.023 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042491.D

Acq: 06 May 2025 11:47

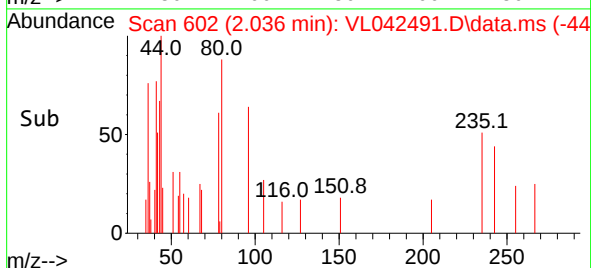
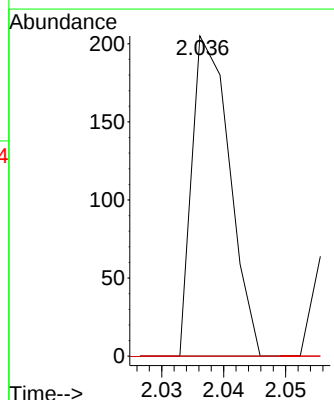
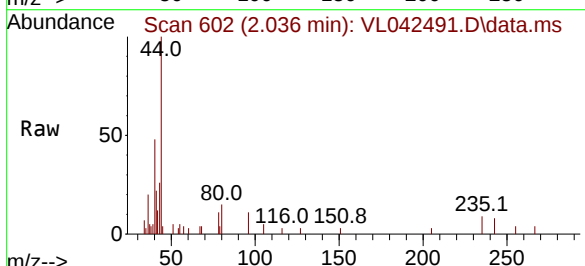
Tgt Ion: 96 Resp: 86

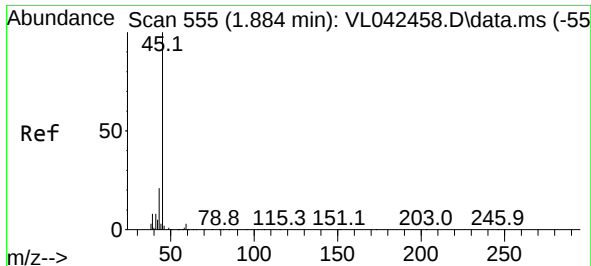
Ion Ratio Lower Upper

96 100

61 0.0 164.9 247.3#

98 0.0 48.2 72.2#

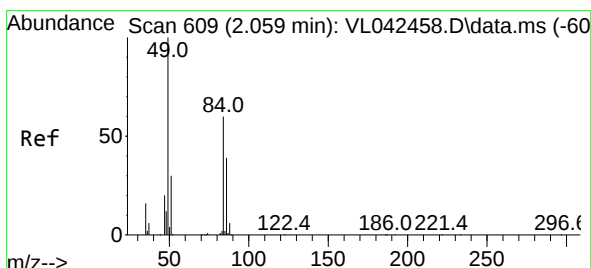
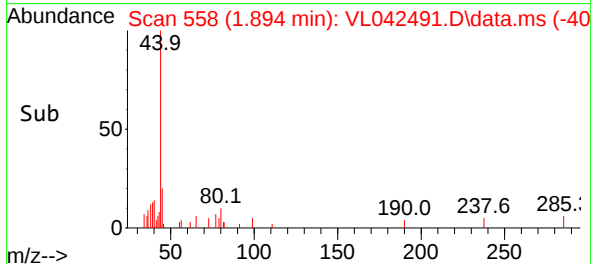
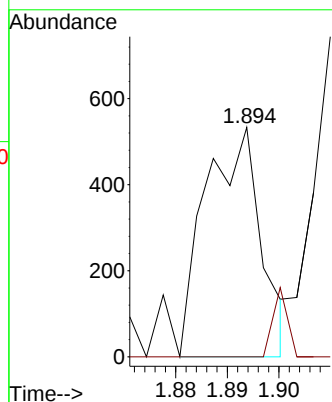
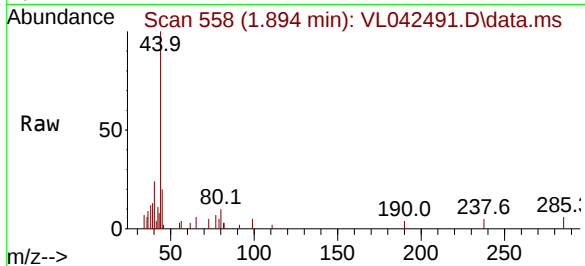




#19
Isopropyl Alcohol
Concen: 0.060 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL042491.D
Acq: 06 May 2025 11:47

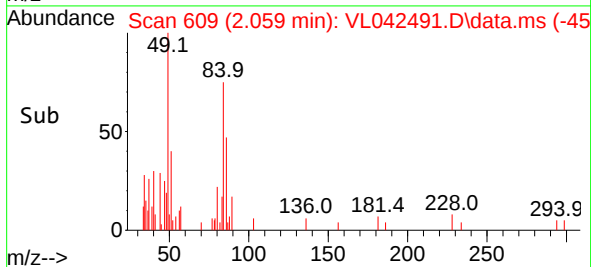
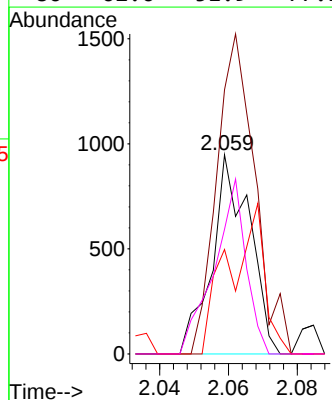
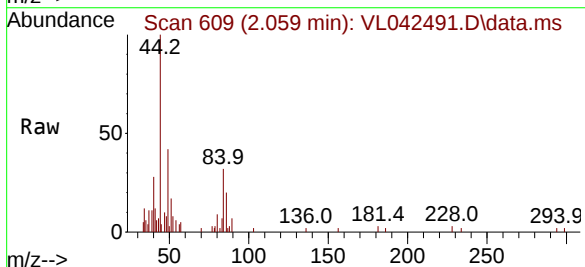
Instrument :
MSVOA_L
ClientSampleId :
QC042925 CAN 10590

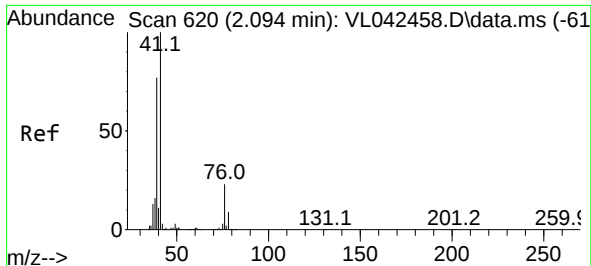
Tgt Ion: 45 Resp: 400
Ion Ratio Lower Upper
45 100
58 7.8 1.6 2.4#



#20
Methylene Chloride
Concen: 0.198 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042491.D
Acq: 06 May 2025 11:47

Tgt Ion: 84 Resp: 721
Ion Ratio Lower Upper
84 100
49 132.6 133.9 200.9#
51 52.4 41.0 61.6
86 62.6 51.9 77.9

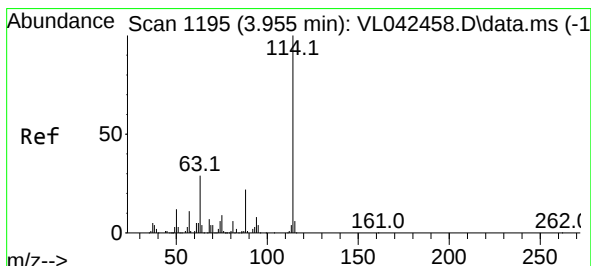
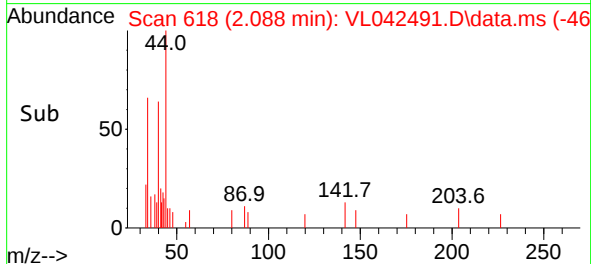
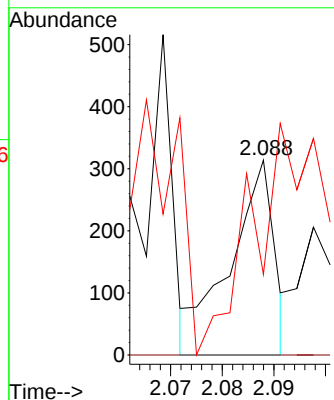
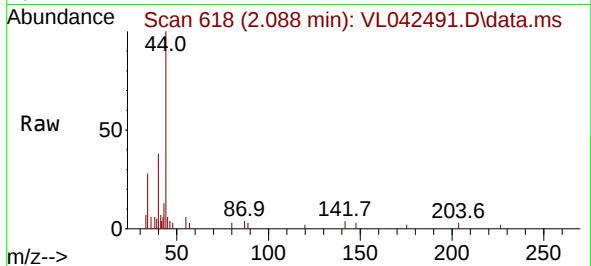




#21
Allyl Chloride
Concen: 0.024 ppbv
RT: 2.088 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL042491.D
Acq: 06 May 2025 11:47

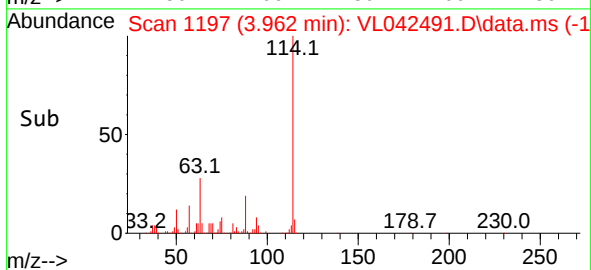
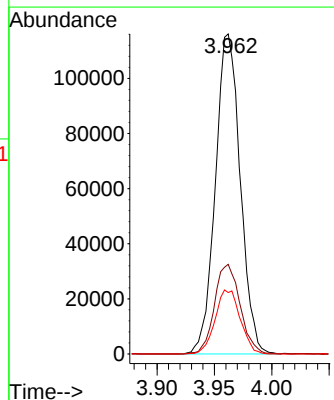
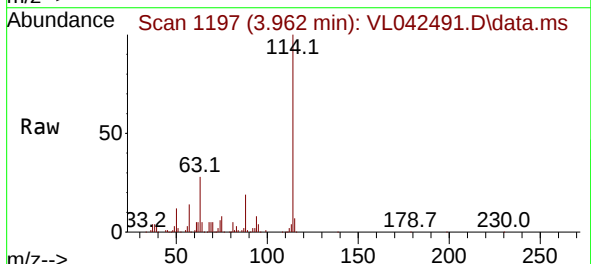
Instrument :
MSVOA_1
ClientSampleId :
QC042925 CAN 10590

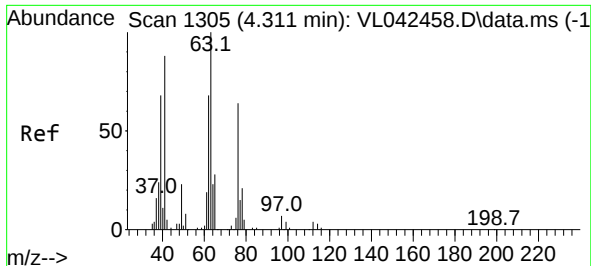
Tgt Ion:	41	Resp:	186
Ion	Ratio	Lower	Upper
41	100		
76	0.0	19.6	29.4#
39	202.2	61.0	91.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.007 min
Lab File: VL042491.D
Acq: 06 May 2025 11:47

Tgt Ion:	114	Resp:	175336
Ion	Ratio	Lower	Upper
114	100		
63	28.8	23.1	34.7
88	20.2	16.1	24.1





#39

1,2-Dichloropropane

Concen: 8.136 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.349 min

Lab File: VL042491.D

Acq: 06 May 2025 11:47

Instrument :

MSVOA_L

ClientSampleId :

QC042925 CAN 10590

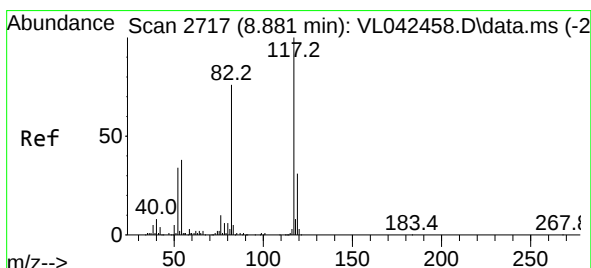
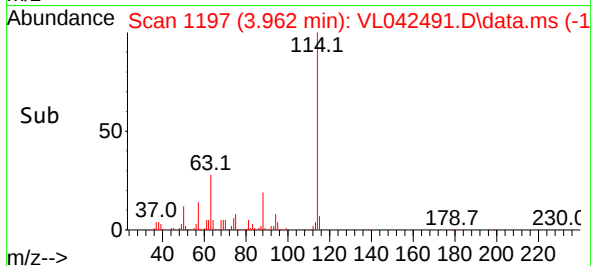
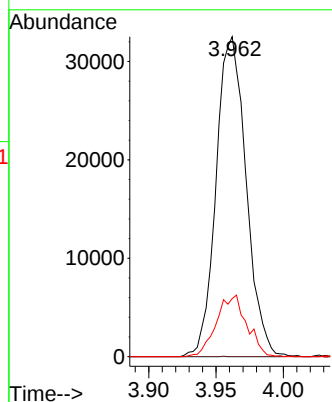
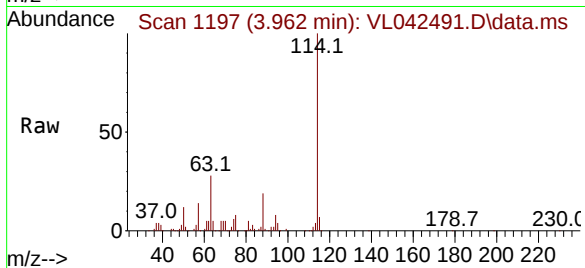
Tgt Ion: 63 Resp: 50396

Ion Ratio Lower Upper

63 100

41 0.0 69.8 104.6#

62 18.2 54.3 81.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.007 min

Lab File: VL042491.D

Acq: 06 May 2025 11:47

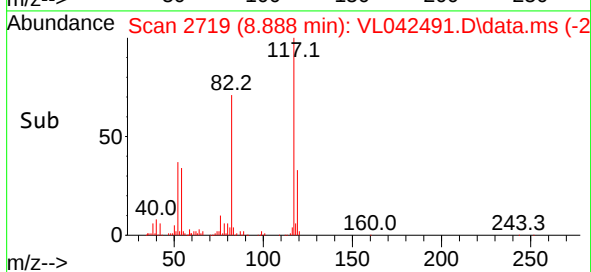
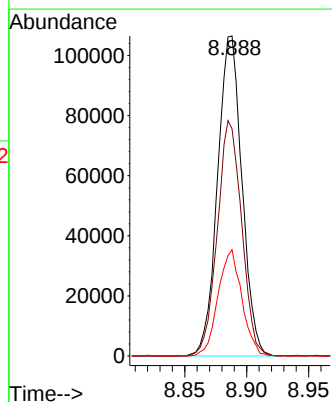
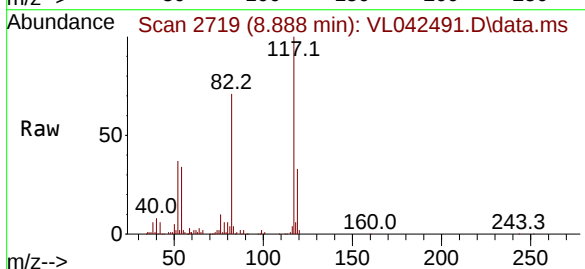
Tgt Ion: 117 Resp: 146419

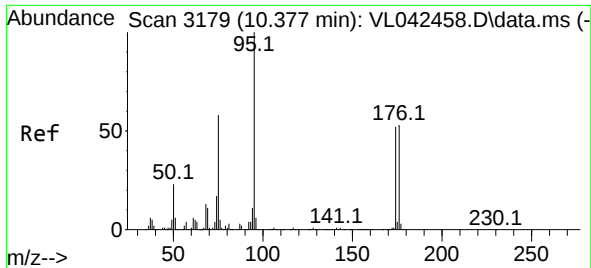
Ion Ratio Lower Upper

117 100

82 73.2 63.5 95.3

119 32.4 25.8 38.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.767 ppbv
 RT: 10.380 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042491.D
 Acq: 06 May 2025 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042925 CAN 10590

Tgt Ion: 95 Resp: 132588
 Ion Ratio Lower Upper
 95 100
 174 54.0 42.7 64.1
 175 4.2 3.6 5.4

