

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042639.D
 Acq On : 16 Jun 2025 20:56
 Operator : SY/MD
 Sample : QC041825 CAN 33628
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041825 CAN 33628

Quant Time: Jun 17 03:10:54 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)

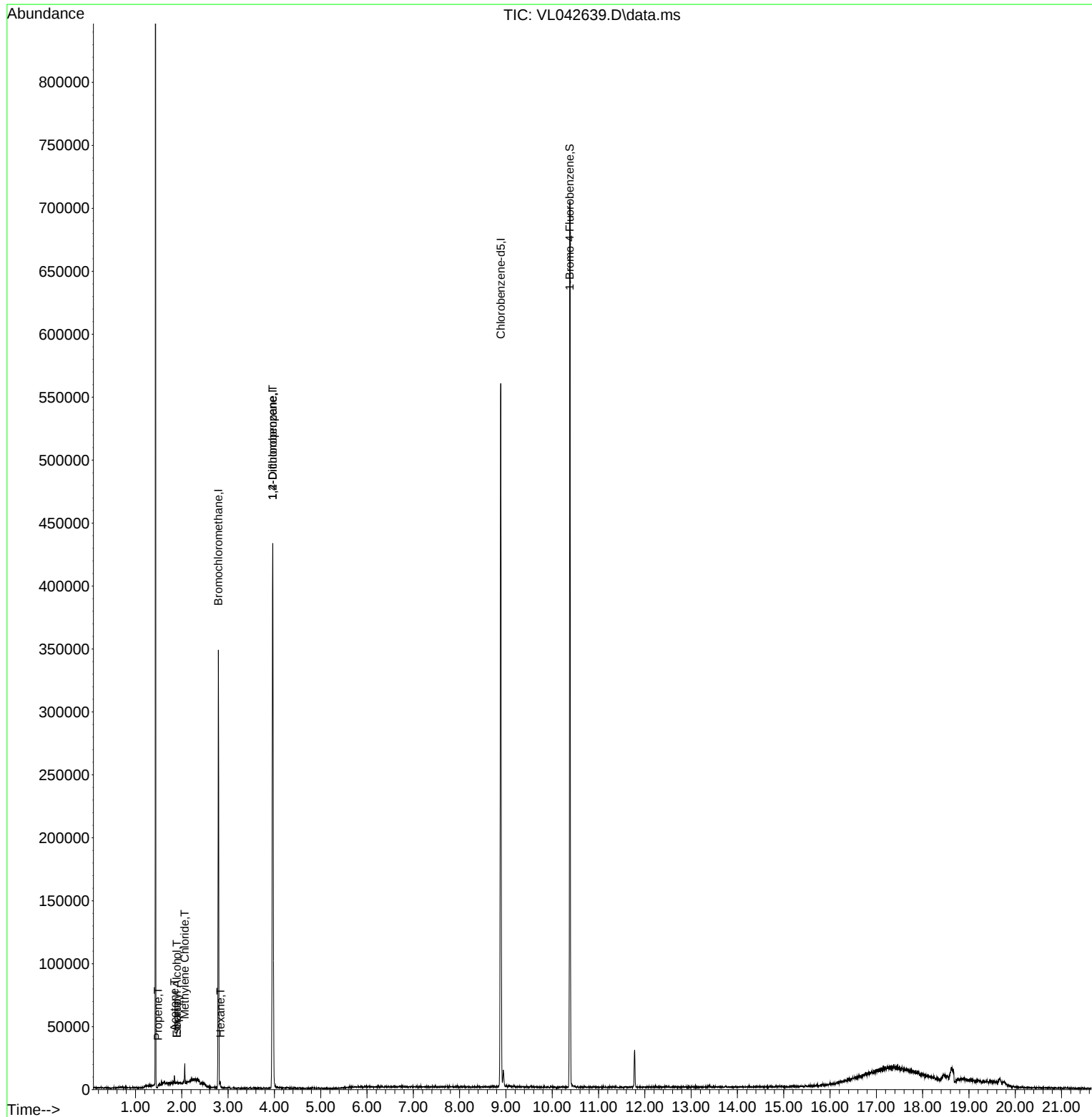
Internal Standards						
1) Bromochloromethane	2.790	49	96005	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	247428	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	220086	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	169376	10.266	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	322	0.049	ppbv #	45
13) Ethanol	1.894	45	544	0.698	ppbv #	39
15) Acetone	1.839	43	2867	0.248	ppbv	100
19) Isopropyl Alcohol	1.894	45	544	0.079	ppbv #	1
20) Methylene Chloride	2.065	84	2048	0.537	ppbv #	81
26) Hexane	2.832	57	1087	0.076	ppbv #	43
39) 1,2-Dichloropropane	3.965	63	63587	7.057	ppbv #	22

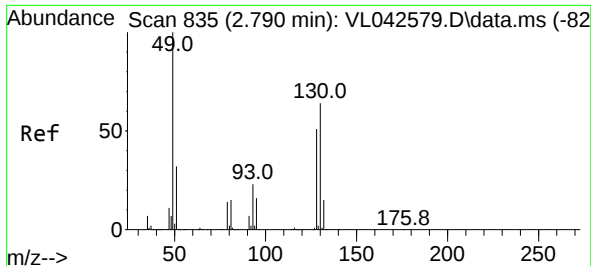
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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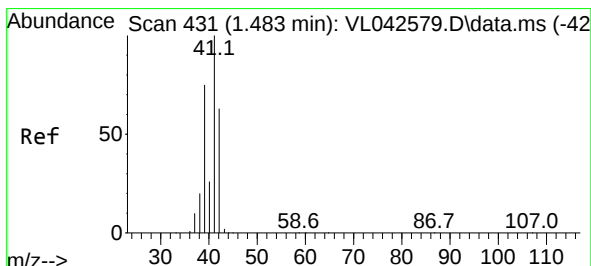
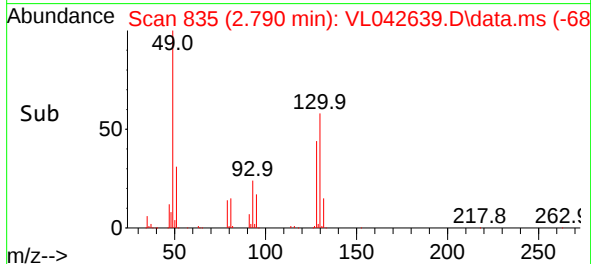
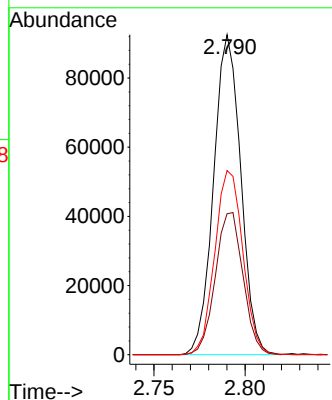
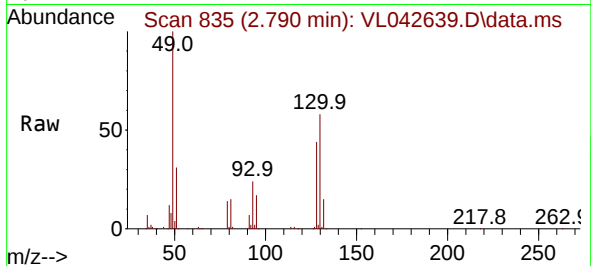




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042639.D
Acq: 16 Jun 2025 20:56

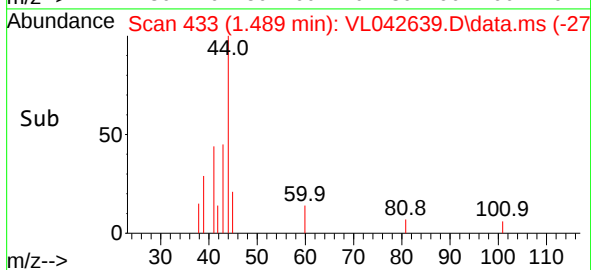
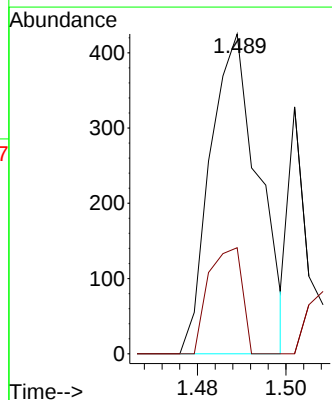
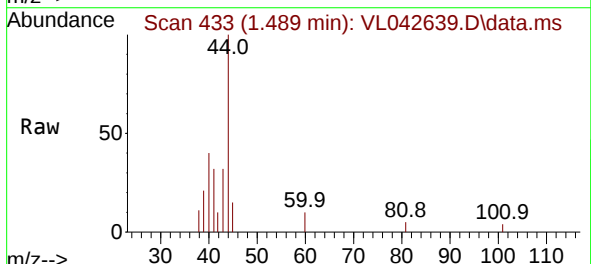
Instrument :
MSVOA_L
ClientSampleId :
QC041825 CAN 33628

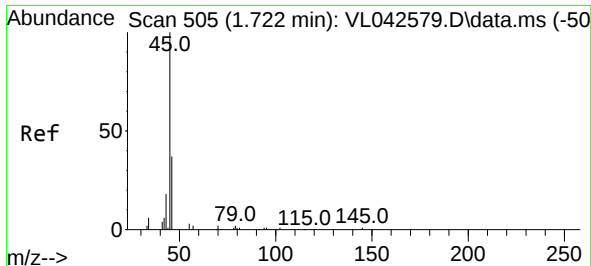
Tgt Ion: 49 Resp: 96005
Ion Ratio Lower Upper
49 100
128 45.4 24.2 72.6
130 59.6 30.4 91.2



#9
Propene
Concen: 0.049 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042639.D
Acq: 16 Jun 2025 20:56

Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
42 23.0 53.3 79.9#

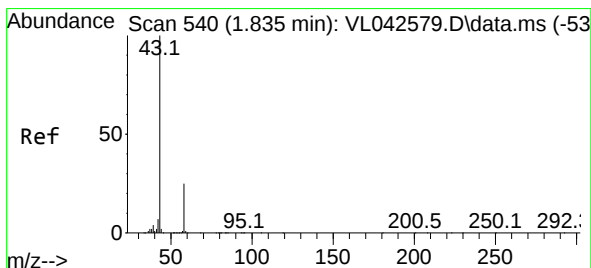
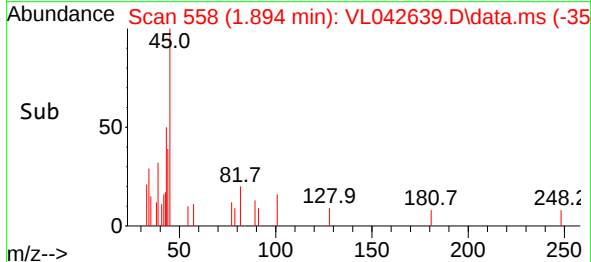
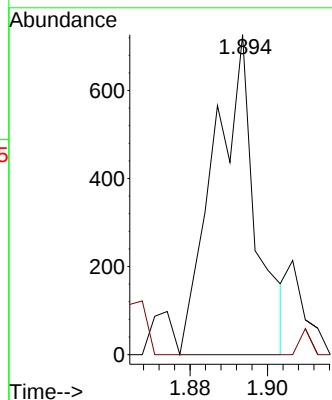
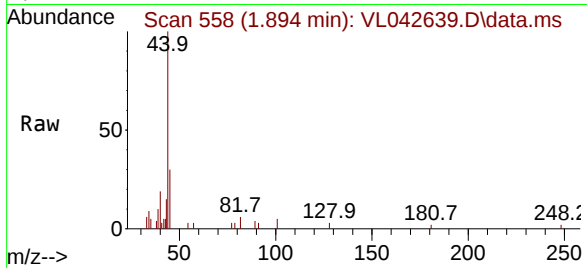




#13
 Ethanol
 Concen: 0.698 ppbv
 RT: 1.894 min Scan# 51
 Delta R.T. 0.171 min
 Lab File: VL042639.D
 Acq: 16 Jun 2025 20:56

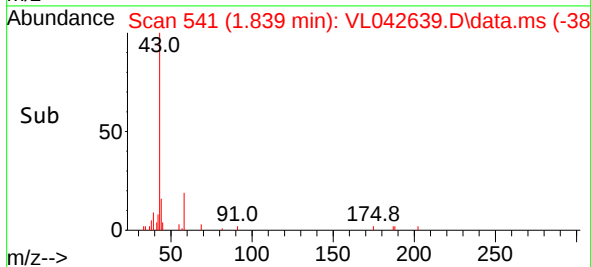
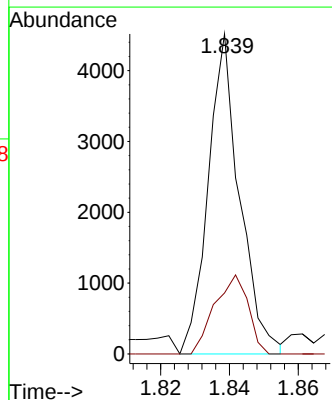
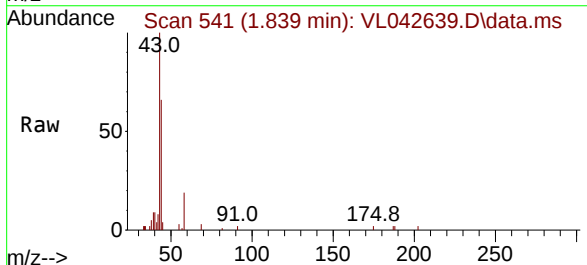
Instrument :
 MSVOA_L
 ClientSampleId :
 QC041825 CAN 33628

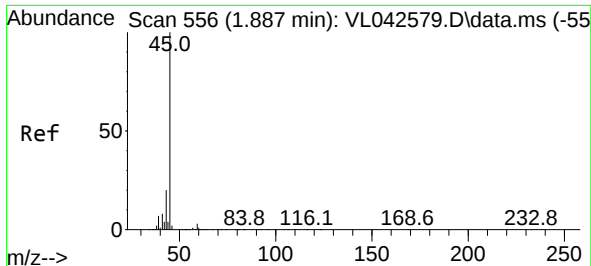
Tgt Ion: 45 Resp: 544
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 58.1#



#15
 Acetone
 Concen: 0.248 ppbv
 RT: 1.839 min Scan# 541
 Delta R.T. 0.003 min
 Lab File: VL042639.D
 Acq: 16 Jun 2025 20:56

Tgt Ion: 43 Resp: 2867
 Ion Ratio Lower Upper
 43 100
 58 26.3 21.0 31.4





#19

Isopropyl Alcohol

Concen: 0.079 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL042639.D

Acq: 16 Jun 2025 20:56

Instrument :

MSVOA_L

ClientSampleId :

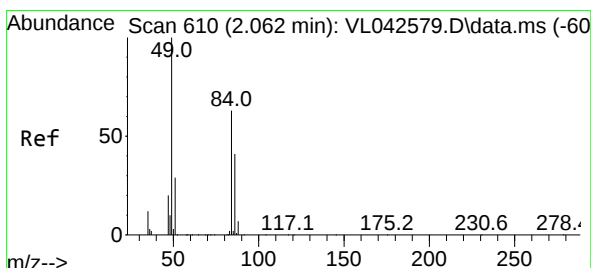
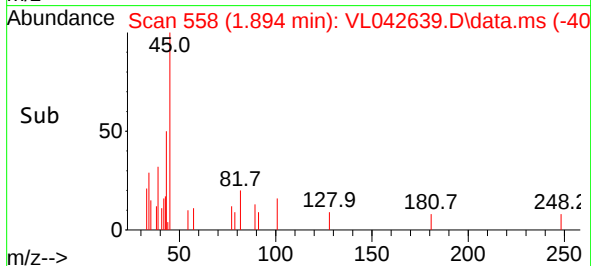
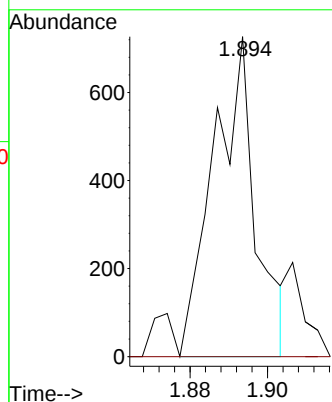
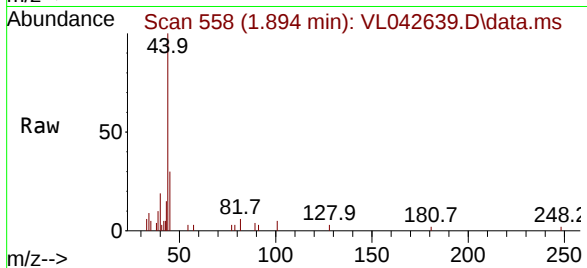
QC041825 CAN 33628

Tgt Ion: 45 Resp: 544

Ion Ratio Lower Upper

45 100

58 138.6 29.4 44.2#



#20

Methylene Chloride

Concen: 0.537 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.003 min

Lab File: VL042639.D

Acq: 16 Jun 2025 20:56

Tgt Ion: 84 Resp: 2048

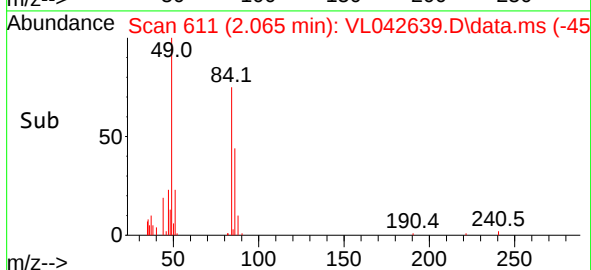
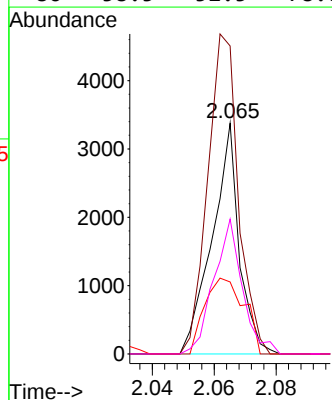
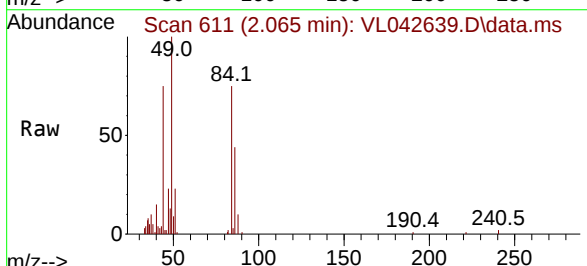
Ion Ratio Lower Upper

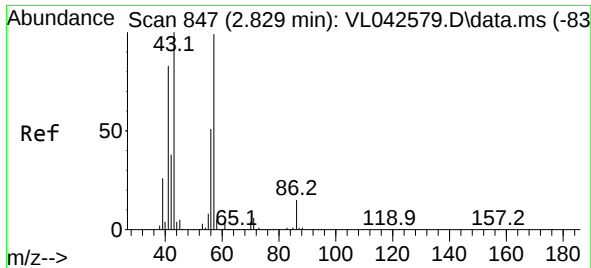
84 100

49 133.5 128.8 193.2

51 31.2 38.6 57.8#

86 58.5 52.5 78.7

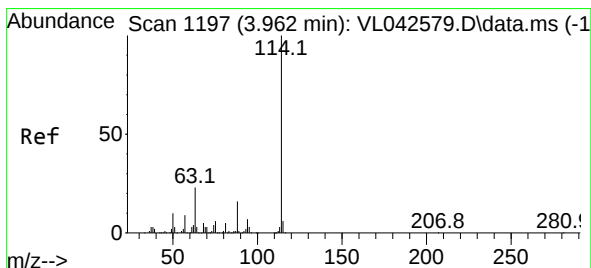
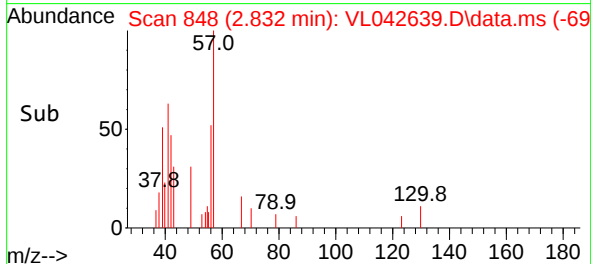
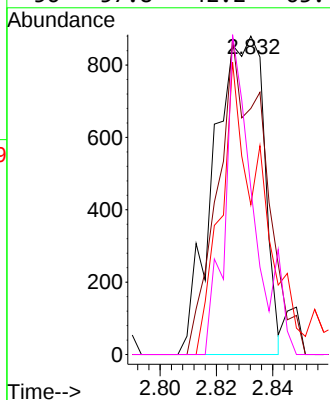
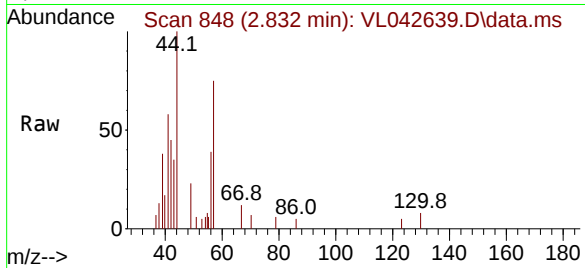




#26
Hexane
Concen: 0.076 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042639.D
Acq: 16 Jun 2025 20:56

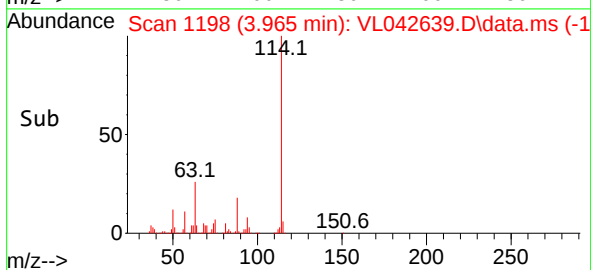
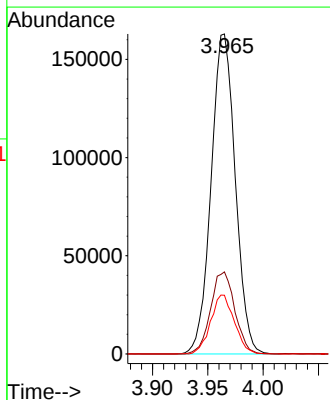
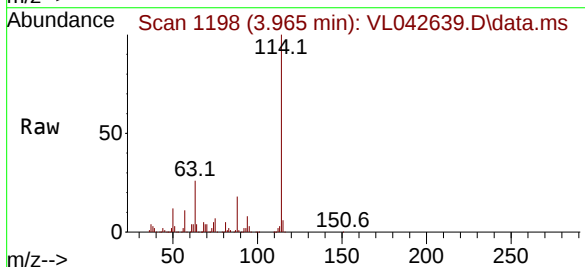
Instrument :
MSVOA_L
ClientSampleId :
QC041825 CAN 33628

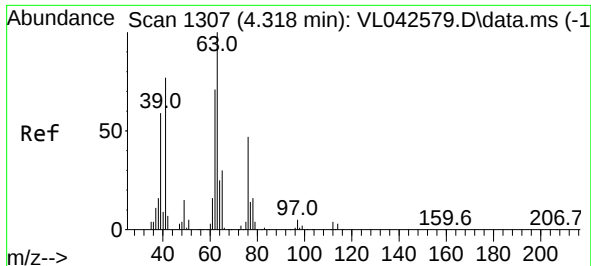
Tgt Ion: 57 Resp: 1087
Ion Ratio Lower Upper
57 100
41 91.4 70.6 106.0
43 78.8 181.1 271.7#
56 57.8 42.2 63.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042639.D
Acq: 16 Jun 2025 20:56

Tgt Ion: 114 Resp: 247428
Ion Ratio Lower Upper
114 100
63 25.7 19.0 28.6
88 18.1 13.6 20.4





#39

1,2-Dichloropropane

Concen: 7.057 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.353 min

Lab File: VL042639.D

Acq: 16 Jun 2025 20:56

Instrument :

MSVOA_L

ClientSampleId :

QC041825 CAN 33628

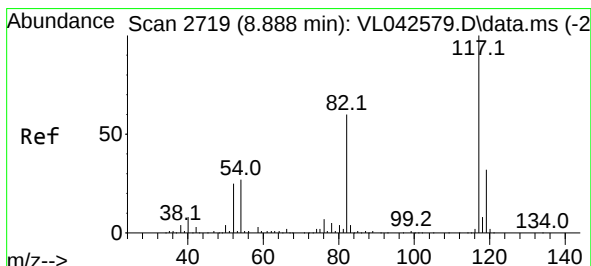
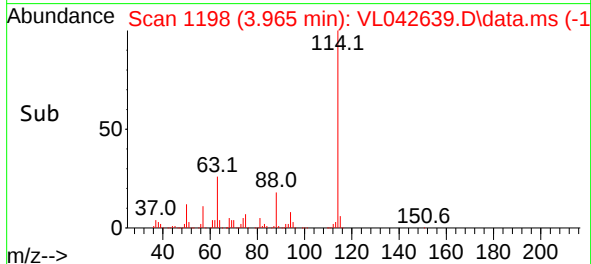
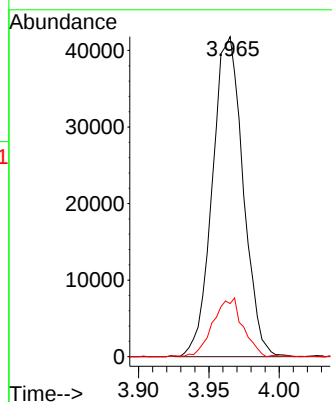
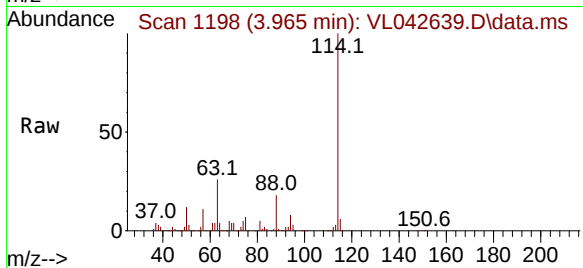
Tgt Ion: 63 Resp: 63587

Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 16.5 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042639.D

Acq: 16 Jun 2025 20:56

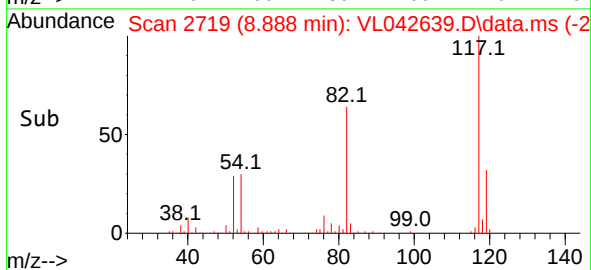
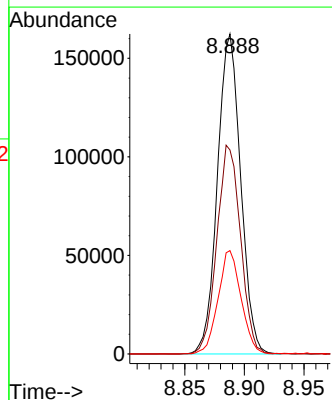
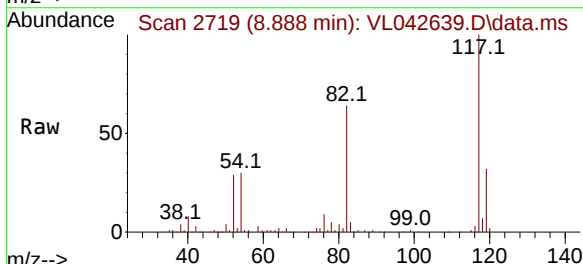
Tgt Ion: 117 Resp: 220086

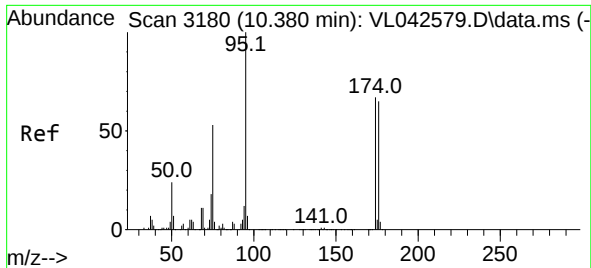
Ion Ratio Lower Upper

117 100

82 66.5 51.2 76.8

119 32.2 26.3 39.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.266 ppbv

RT: 10.380 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL042639.D

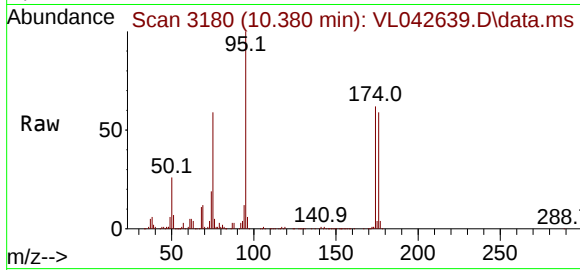
Acq: 16 Jun 2025 20:56

Instrument :

MSVOA_L

ClientSampleId :

QC041825 CAN 33628



Tgt Ion: 95 Resp: 169376

Ion Ratio Lower Upper

95 100

174 62.1 53.1 79.7

175 4.6 4.2 6.2

