

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042562.D
 Acq On : 21 May 2025 12:33
 Operator : SY/MD
 Sample : QC051925 CAN 10158
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051925 CAN 10158

Quant Time: May 21 22:54:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

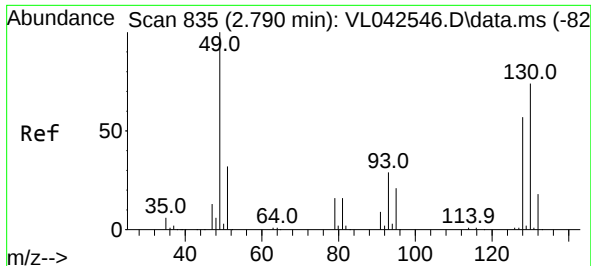
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.790	49	104582	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	321263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	276069	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	222792	10.083	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
9) Propene	1.599	41	279	0.050	ppbv	83
13) Ethanol	1.709	45	125	0.154	ppbv #	37
15) Acetone	1.839	43	2708	0.186	ppbv	90
16) 1,3-Butadiene	1.606	39	253	0.043	ppbv #	5
20) Methylene Chloride	2.062	84	1411	0.200	ppbv #	87
30) Cyclohexane	3.959	84	2375	0.216	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	76991	8.437	ppbv #	25
74) 1,2,4-Trimethylbenzene	11.539	105	2104	0.053	ppbv #	68

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

Quant Time: May 21 22:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration

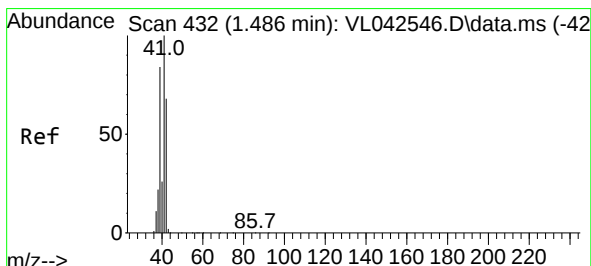
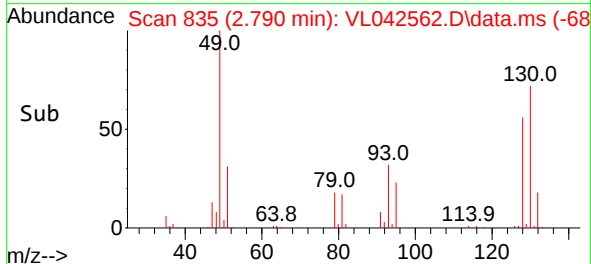
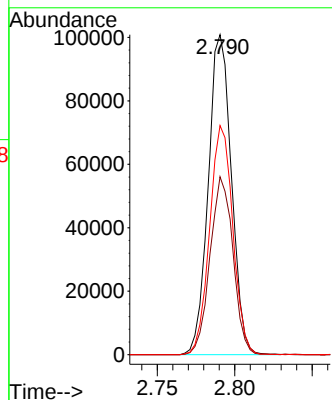
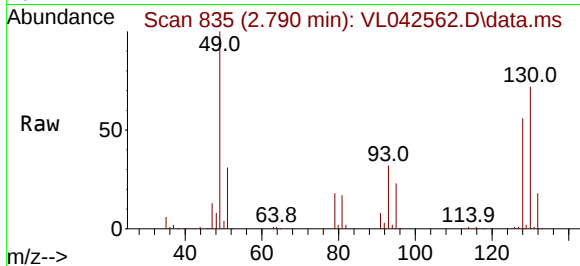




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

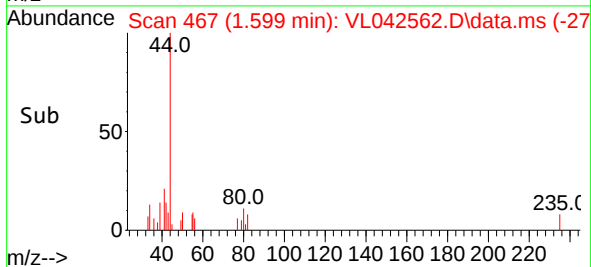
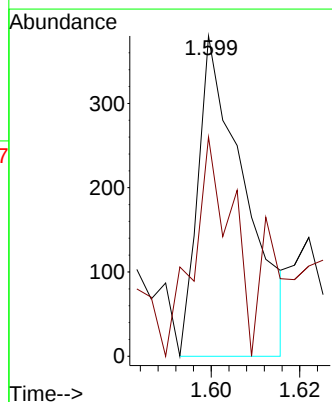
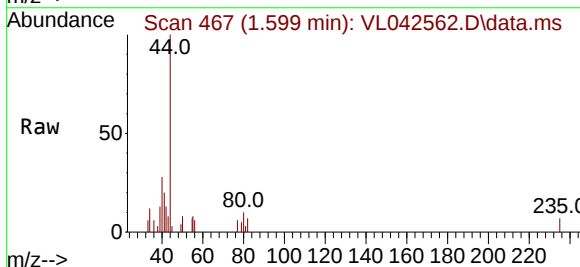
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

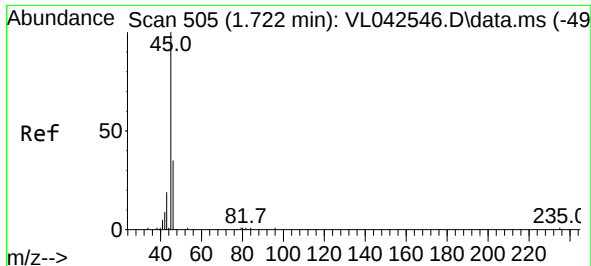
Tgt Ion: 49 Resp: 104582
Ion Ratio Lower Upper
49 100
128 55.1 28.6 85.8
130 71.8 36.6 109.8



#9
Propene
Concen: 0.050 ppbv
RT: 1.599 min Scan# 467
Delta R.T. 0.113 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 41 Resp: 279
Ion Ratio Lower Upper
41 100
42 55.2 55.0 82.4

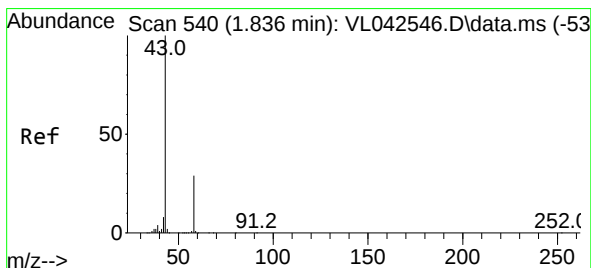
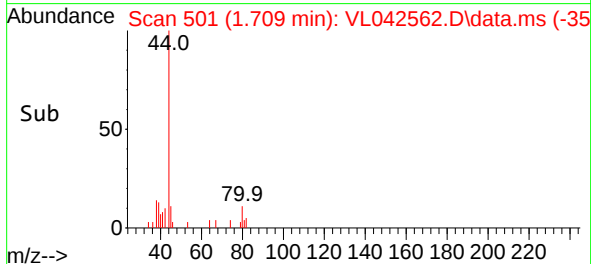
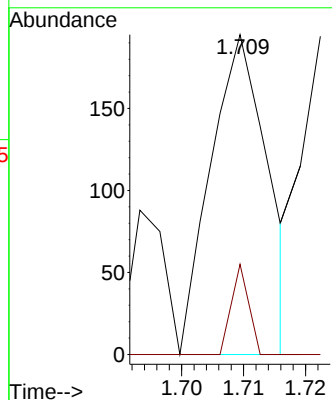
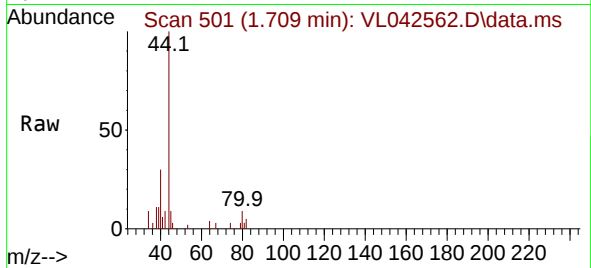




#13
Ethanol
Concen: 0.154 ppbv
RT: 1.709 min Scan# 505
Delta R.T. -0.013 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

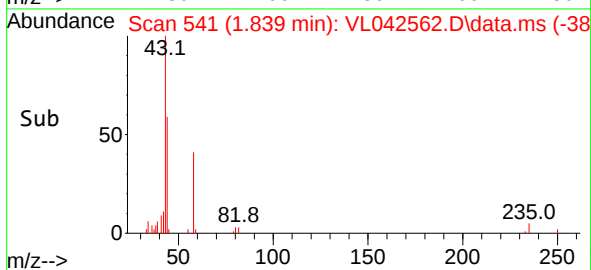
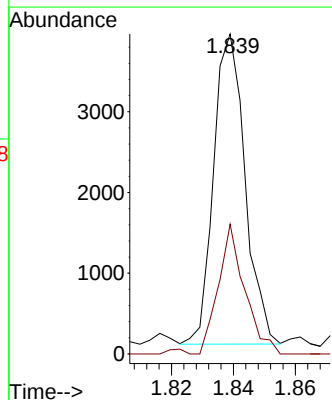
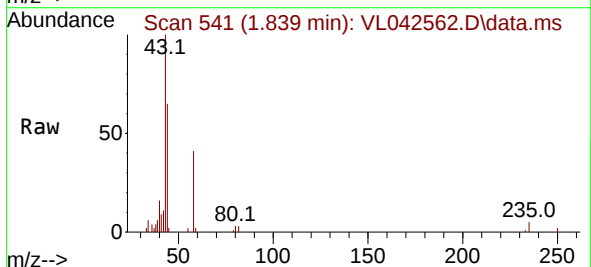
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

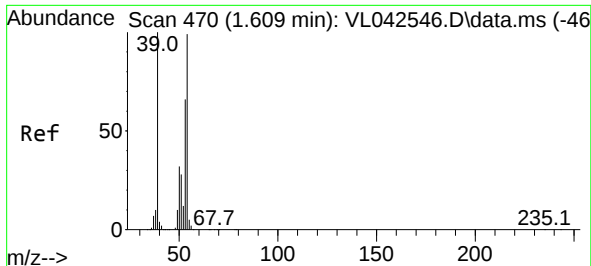
Tgt Ion: 45 Resp: 125
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#15
Acetone
Concen: 0.186 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
58 35.9 24.2 36.2





#16

1,3-Butadiene

Concen: 0.043 ppbv

RT: 1.606 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

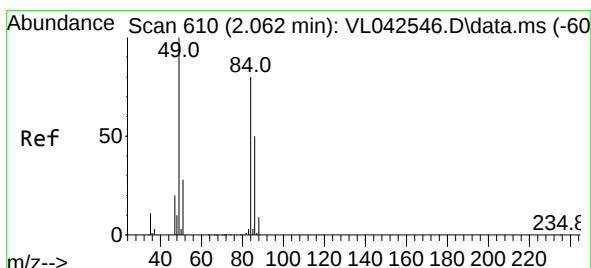
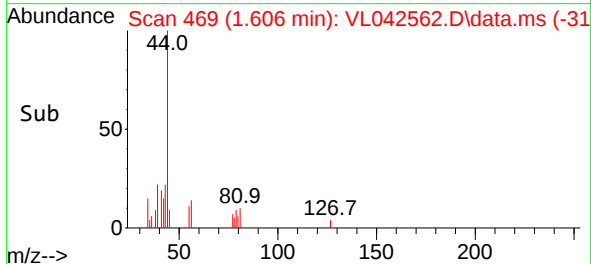
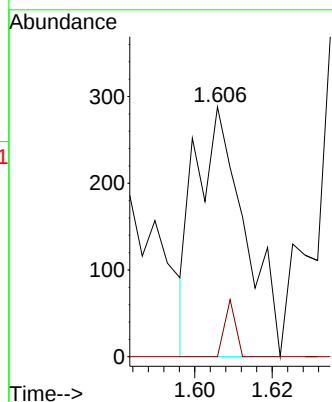
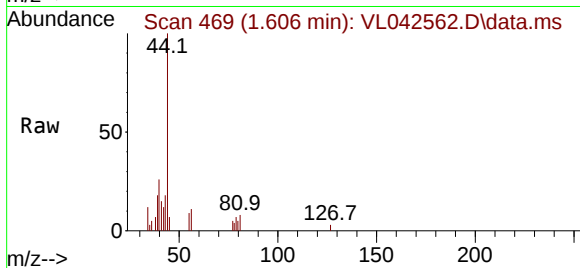
QC051925 CAN 10158

Tgt Ion: 39 Resp: 253

Ion Ratio Lower Upper

39 100

54 0.0 71.8 107.8#



#20

Methylene Chloride

Concen: 0.200 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.000 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Tgt Ion: 84 Resp: 1411

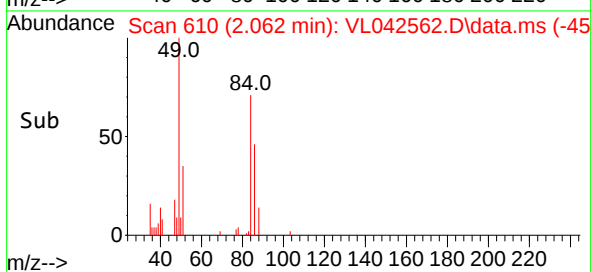
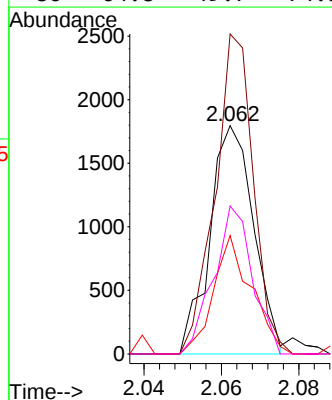
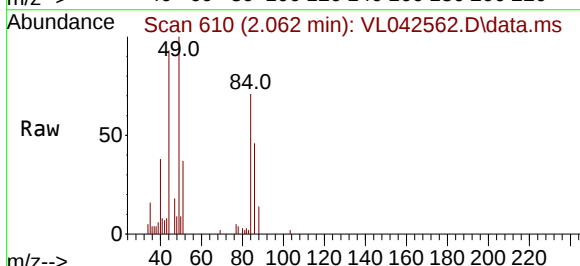
Ion Ratio Lower Upper

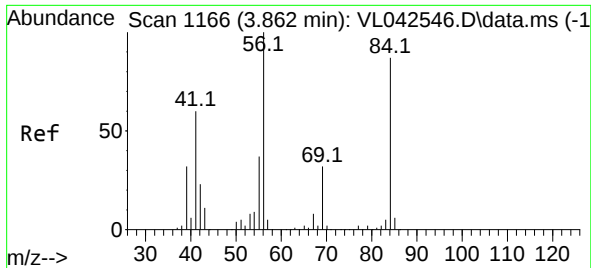
84 100

49 140.1 99.7 149.5

51 51.8 29.7 44.5#

86 64.8 49.7 74.5

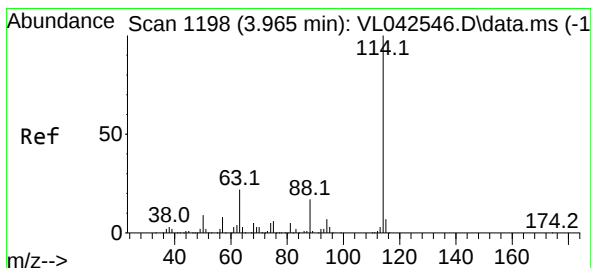
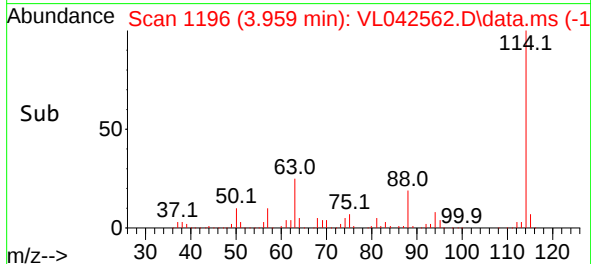
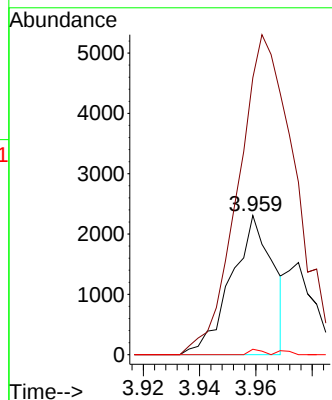
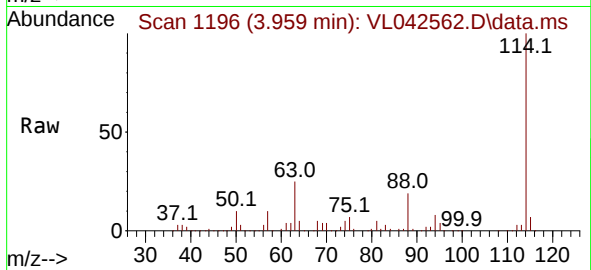




#30
Cyclohexane
Concen: 0.216 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.097 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

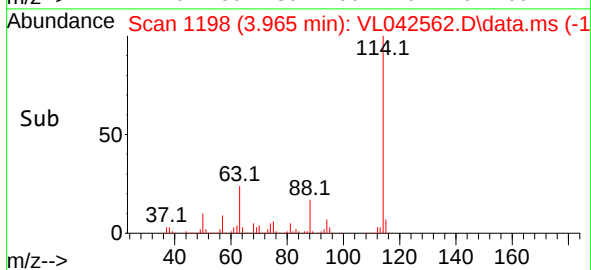
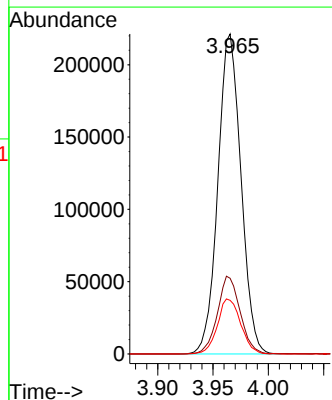
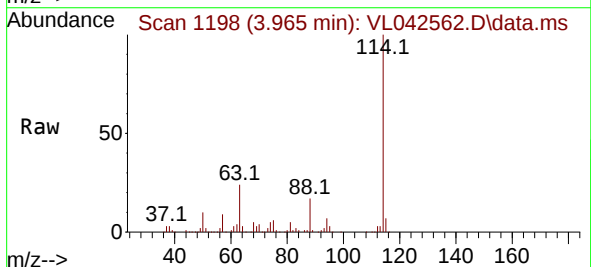
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

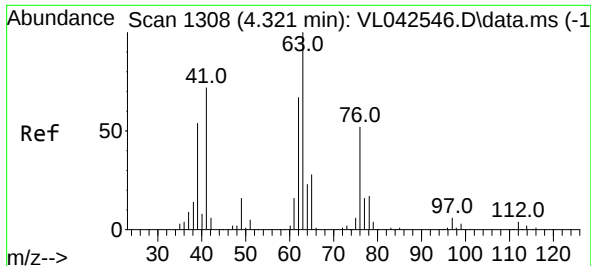
Tgt Ion: 84 Resp: 2375
Ion Ratio Lower Upper
84 100
56 322.4 92.3 138.5#
41 0.0 57.0 85.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 114 Resp: 321263
Ion Ratio Lower Upper
114 100
63 24.0 18.4 27.6
88 17.3 14.0 21.0





#39

1,2-Dichloropropane

Concen: 8.437 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.359 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

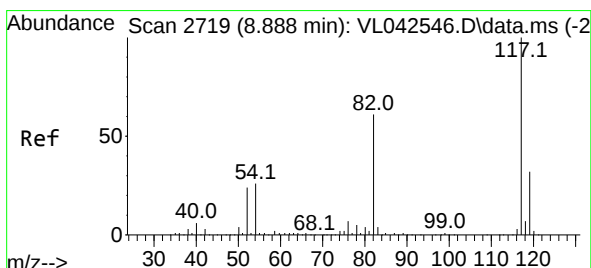
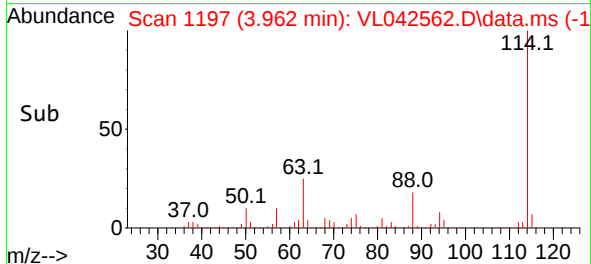
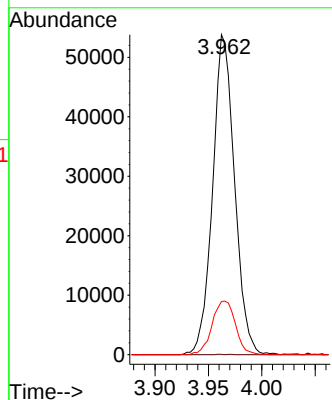
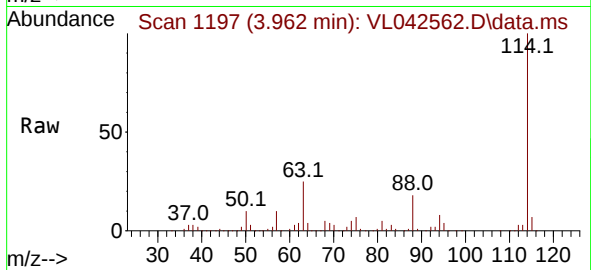
Tgt Ion: 63 Resp: 76991

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 16.6 53.3 79.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.000 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

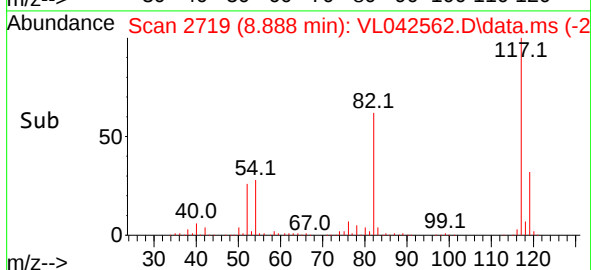
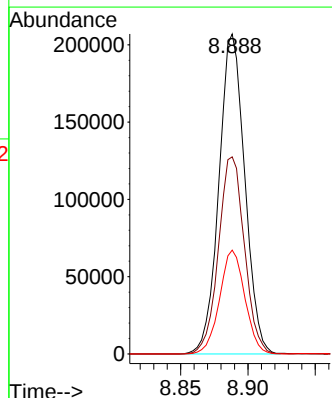
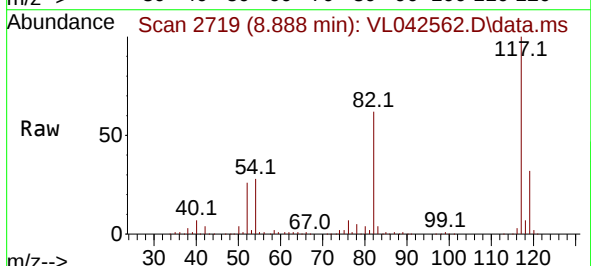
Tgt Ion: 117 Resp: 276069

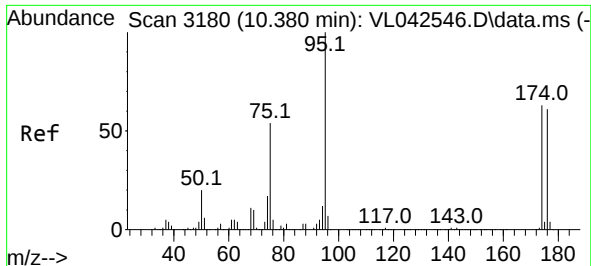
Ion Ratio Lower Upper

117 100

82 61.9 51.0 76.4

119 31.9 27.0 40.4

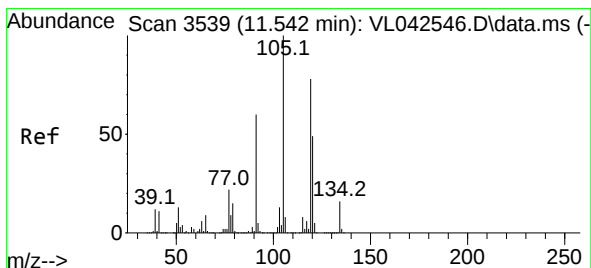
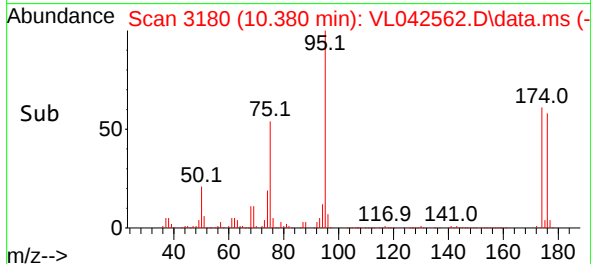
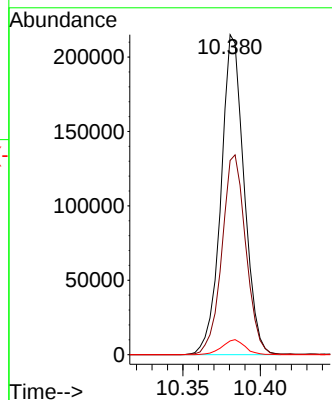
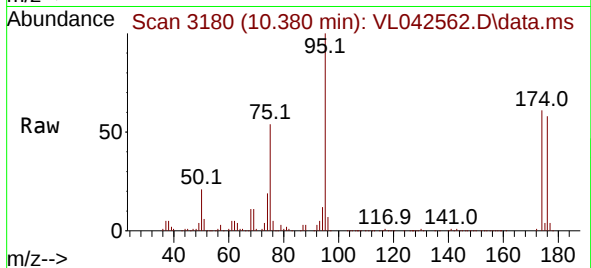




#68
1-Bromo-4-Fluorobenzene
Concen: 10.083 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Instrument :
MSVOA_1
ClientSampleId :
QC051925 CAN 10158

Tgt Ion: 95 Resp: 222792
Ion Ratio Lower Upper
95 100
174 65.2 52.0 78.0
175 4.7 3.8 5.6



#74
1,2,4-Trimethylbenzene
Concen: 0.053 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 105 Resp: 2104
Ion Ratio Lower Upper
105 100
120 46.4 39.4 59.0
91 12.9 47.8 71.8#
77 15.0 17.8 26.6#

