

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043259.D
 Acq On : 20 Nov 2025 11:34
 Operator : SY/MD
 Sample : QC111725 CAN 10588
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC111725 CAN 10588

Quant Time: Nov 21 00:35:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

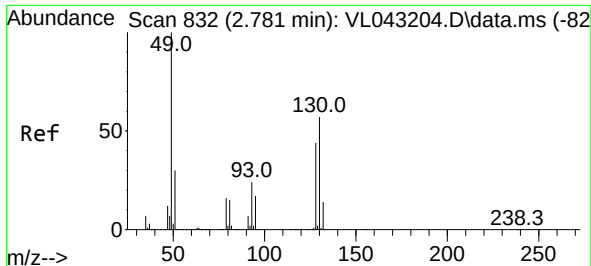
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	97406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	258018	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	201755	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	144519	9.772	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
6) Bromomethane	1.670	94	107	0.039	ppbv #	4
13) Ethanol	1.712	45	191	0.095	ppbv #	38
15) Acetone	1.835	43	2067	0.153	ppbv #	71
16) 1,3-Butadiene	1.606	39	225	0.037	ppbv #	12
20) Methylene Chloride	2.062	84	2961	Below Cal	#	73
30) Cyclohexane	3.949	84	796	0.074	ppbv #	1
34) 2-Butanone	2.557	43	883	0.048	ppbv #	88
39) 1,2-Dichloropropane	3.952	63	66448	7.347	ppbv #	25

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

Quant Time: Nov 21 00:35:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

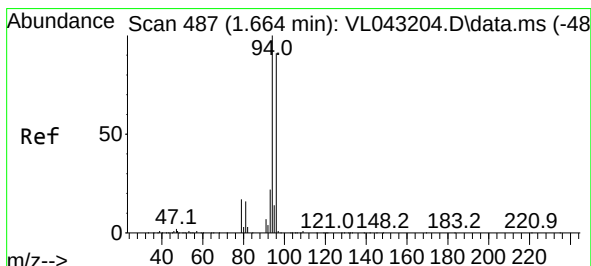
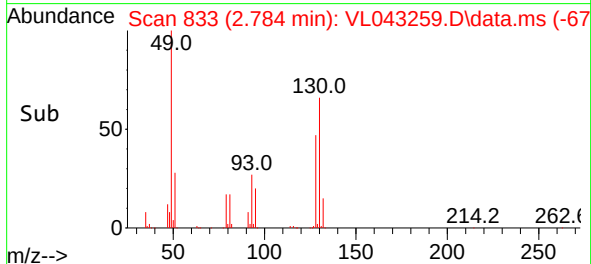
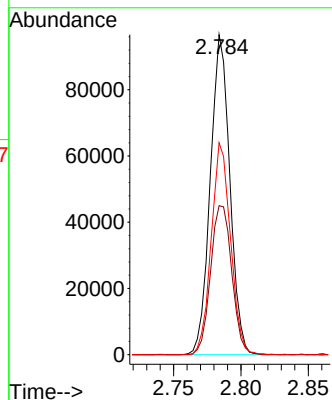
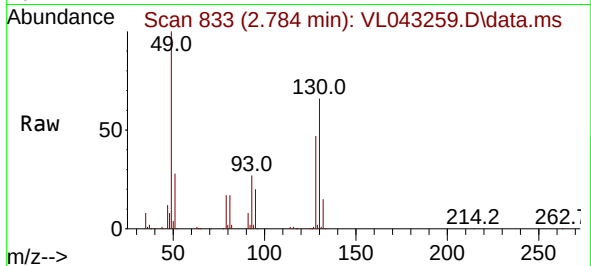




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

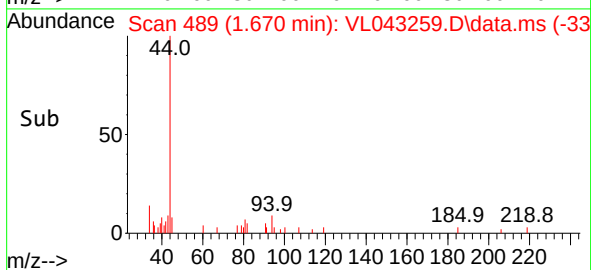
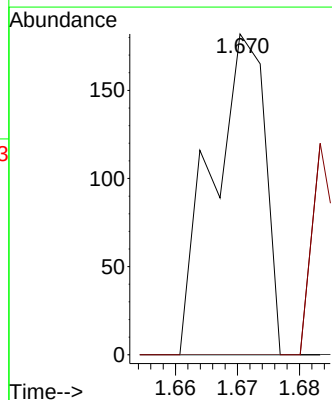
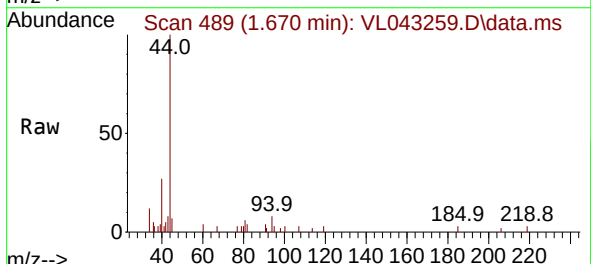
Instrument :
MSVOA_L
ClientSampleId :
QC111725 CAN 10588

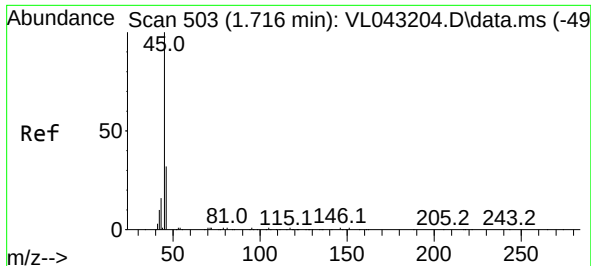
Tgt Ion: 49 Resp: 97406
Ion Ratio Lower Upper
49 100
128 50.6 23.0 69.0
130 65.3 29.9 89.7



#6
Bromomethane
Concen: 0.039 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.006 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#

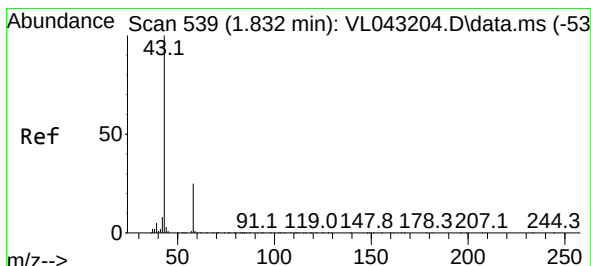
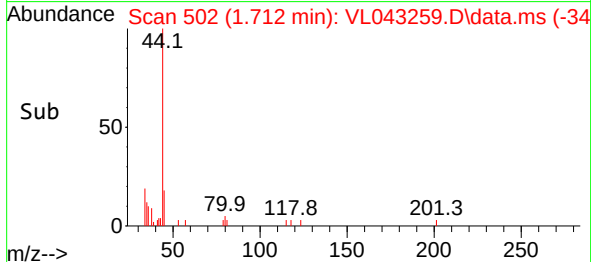
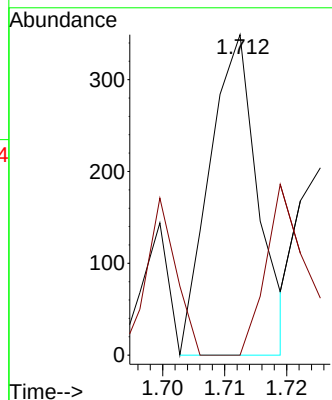
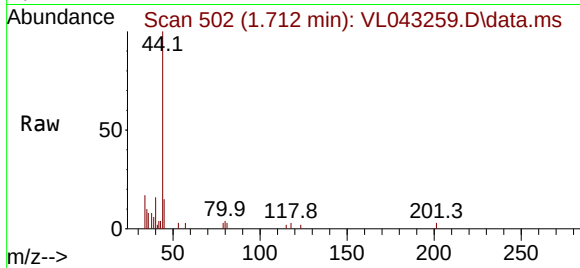




#13
Ethanol
Concen: 0.095 ppbv
RT: 1.712 min Scan# 50
Delta R.T. -0.003 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

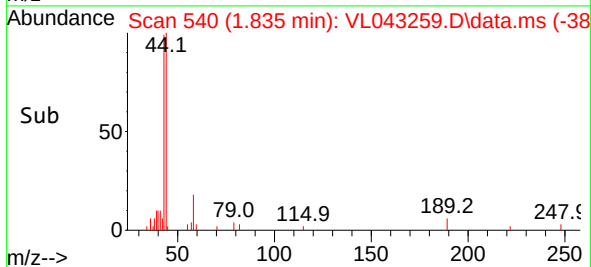
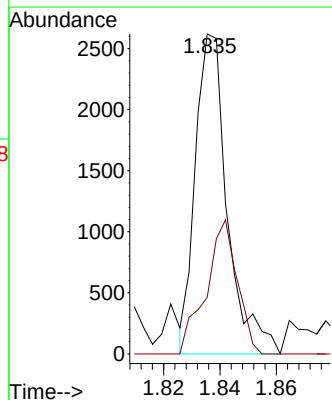
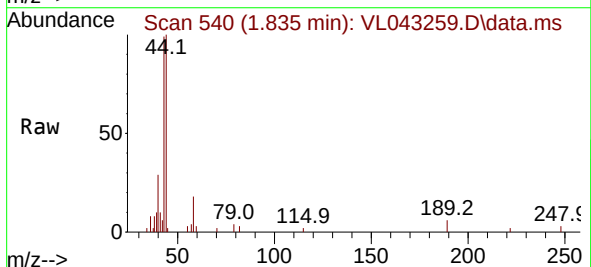
Instrument :
MSVOA_1
ClientSampleId :
QC111725 CAN 10588

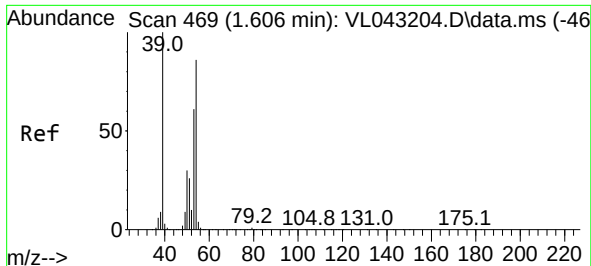
Tgt Ion: 45 Resp: 191
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#



#15
Acetone
Concen: 0.153 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
58 40.7 20.7 31.1#

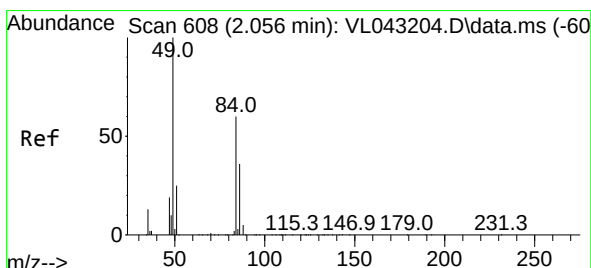
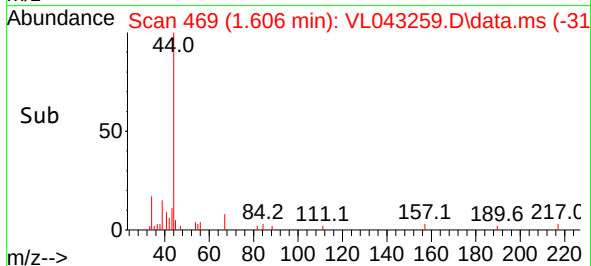
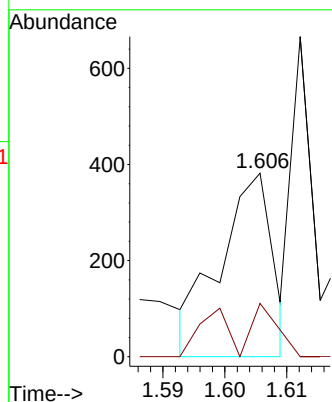
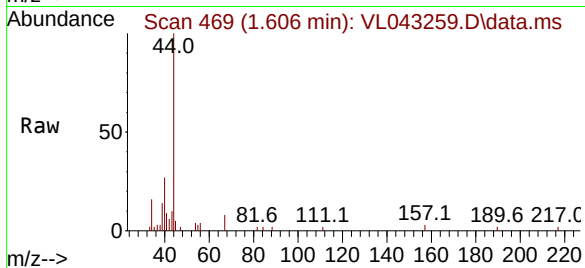




#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 1.606 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

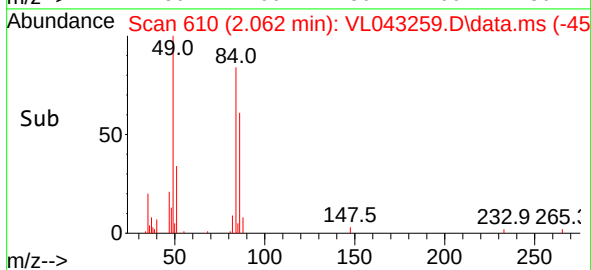
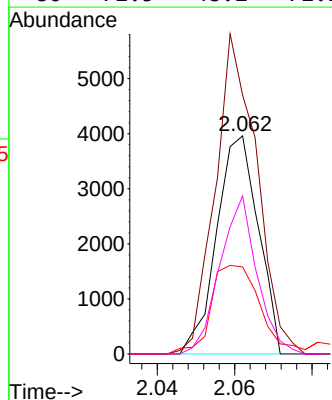
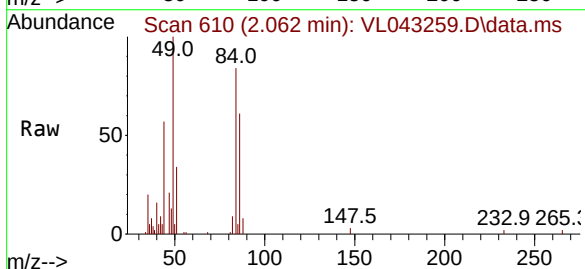
Instrument :
MSVOA_L
ClientSampleId :
QC111725 CAN 10588

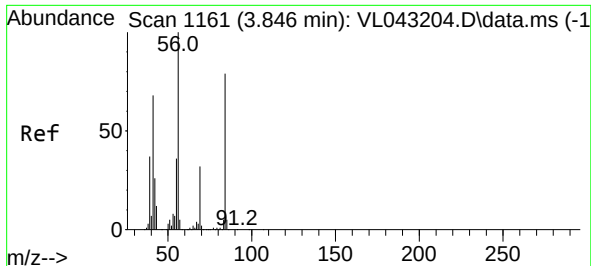
Tgt Ion: 39 Resp: 225
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Tgt Ion: 84 Resp: 2961
Ion Ratio Lower Upper
84 100
49 117.1 132.9 199.3#
51 37.3 34.8 52.2
86 72.5 48.2 72.2#



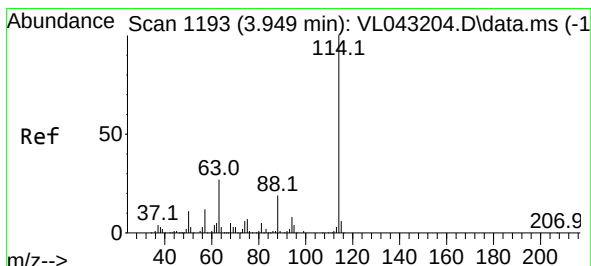
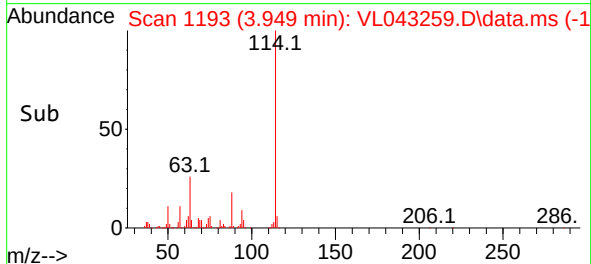
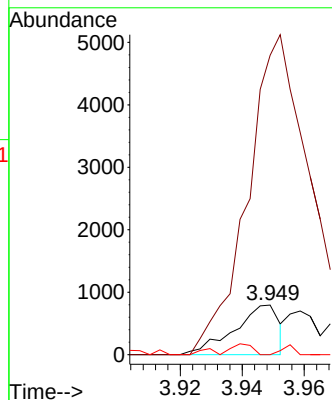
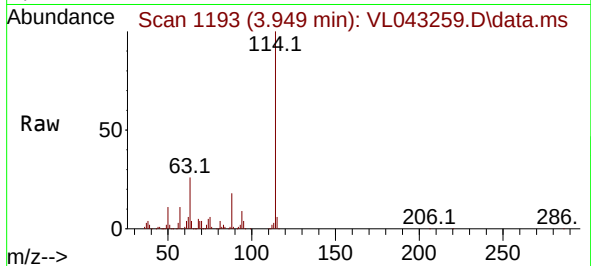


#30
Cyclohexane
Concen: 0.074 ppbv
RT: 3.949 min Scan# 11193
Delta R.T. 0.103 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Instrument : MSVOA_1
ClientSampleId : QC111725 CAN 10588

Tgt Ion: 84 Resp: 796

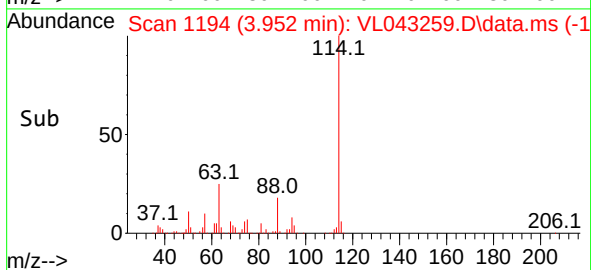
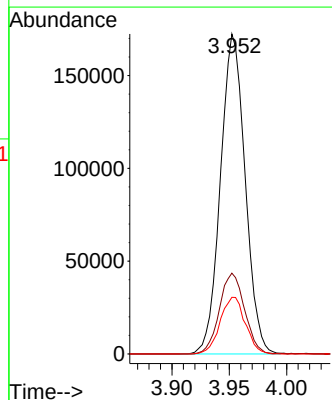
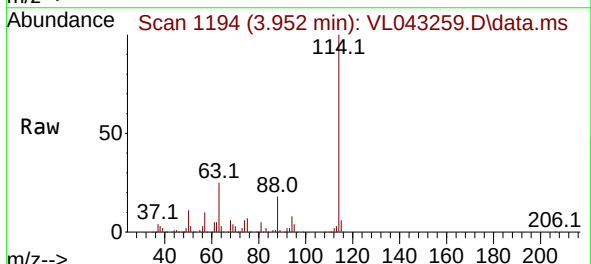
Ion	Ratio	Lower	Upper
84	100		
56	933.5	104.7	157.1#
41	15.6	69.0	103.6#

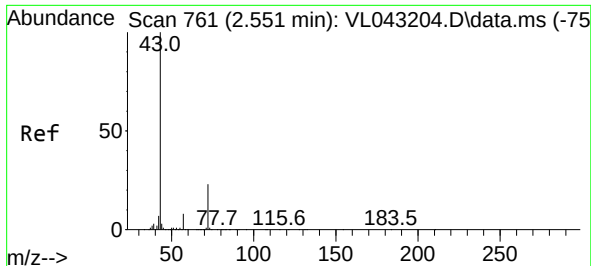


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Tgt Ion: 114 Resp: 258018

Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.0	31.6
88	18.1	14.9	22.3

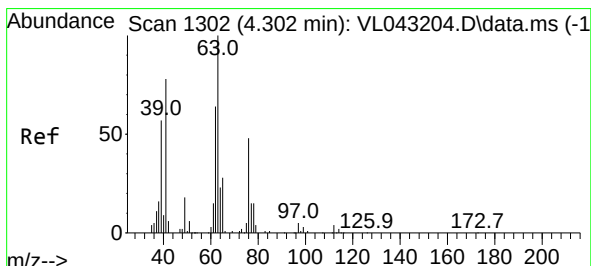
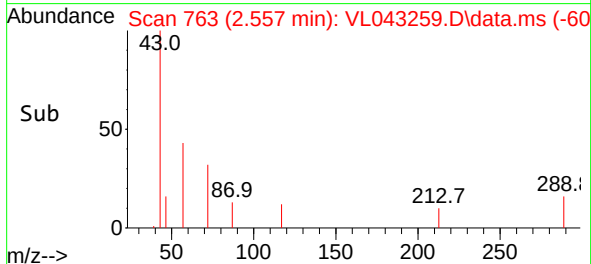
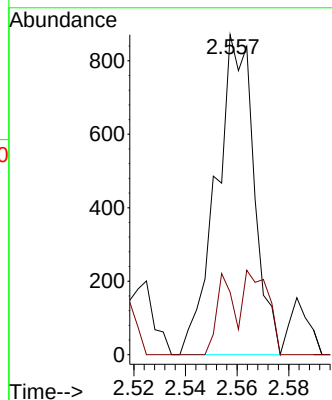
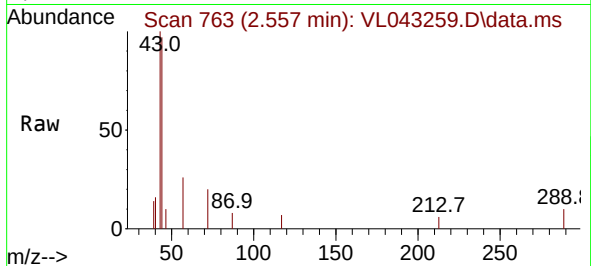




#34
2-Butanone
Concen: 0.048 ppbv
RT: 2.557 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

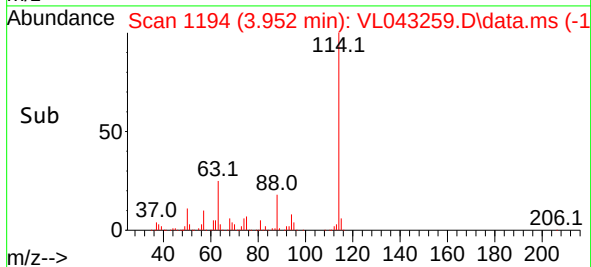
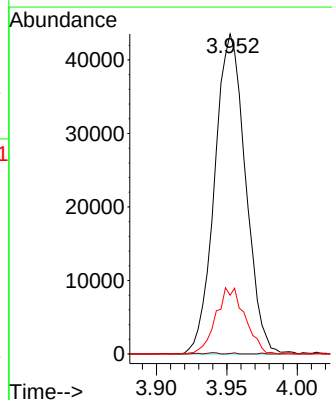
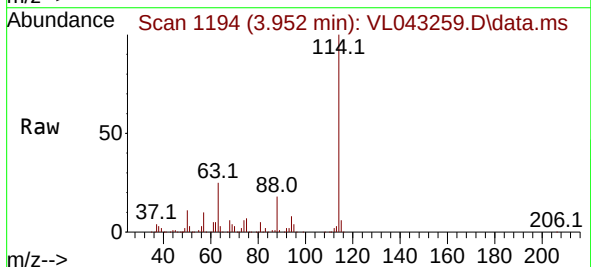
Instrument :
MSVOA_1
ClientSampleId :
QC111725 CAN 10588

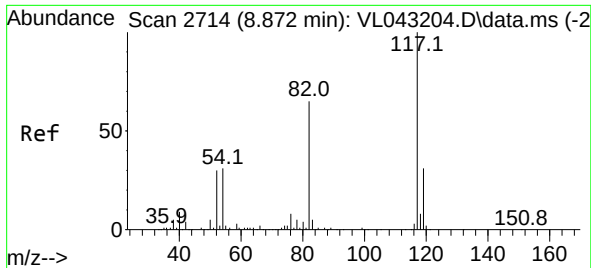
Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
72 28.3 18.1 27.1#



#39
1,2-Dichloropropane
Concen: 7.347 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.350 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Tgt Ion: 63 Resp: 66448
Ion Ratio Lower Upper
63 100
41 0.1 62.6 93.8#
62 18.4 51.0 76.6#

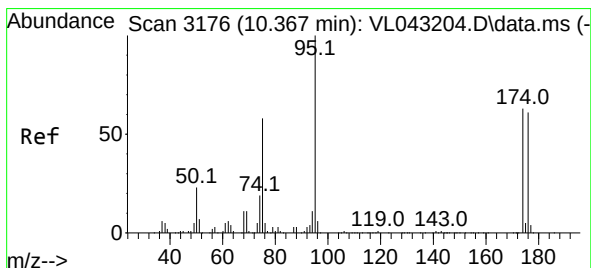
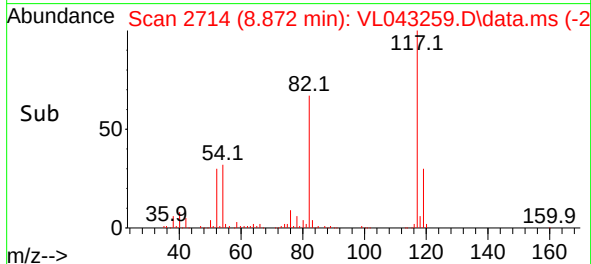
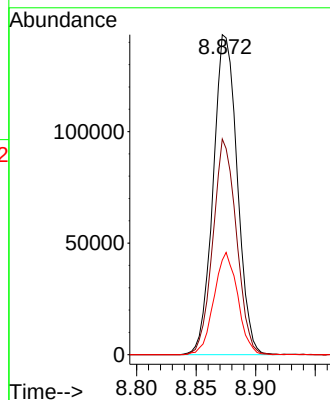
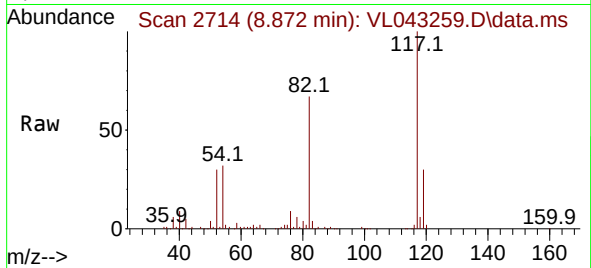




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Instrument :
MSVOA_L
ClientSampleId :
QC111725 CAN 10588

Tgt Ion:117 Resp: 201755
Ion Ratio Lower Upper
117 100
82 65.8 56.1 84.1
119 31.5 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.772 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043259.D
Acq: 20 Nov 2025 11:34

Tgt Ion: 95 Resp: 144519
Ion Ratio Lower Upper
95 100
174 64.6 50.2 75.2
175 4.7 4.1 6.1

