

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042412.D
 Acq On : 21 Apr 2025 19:47
 Operator : SY/MD
 Sample : QC041725 CA 27806
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041725 CA 27806

Quant Time: Apr 22 02:58:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

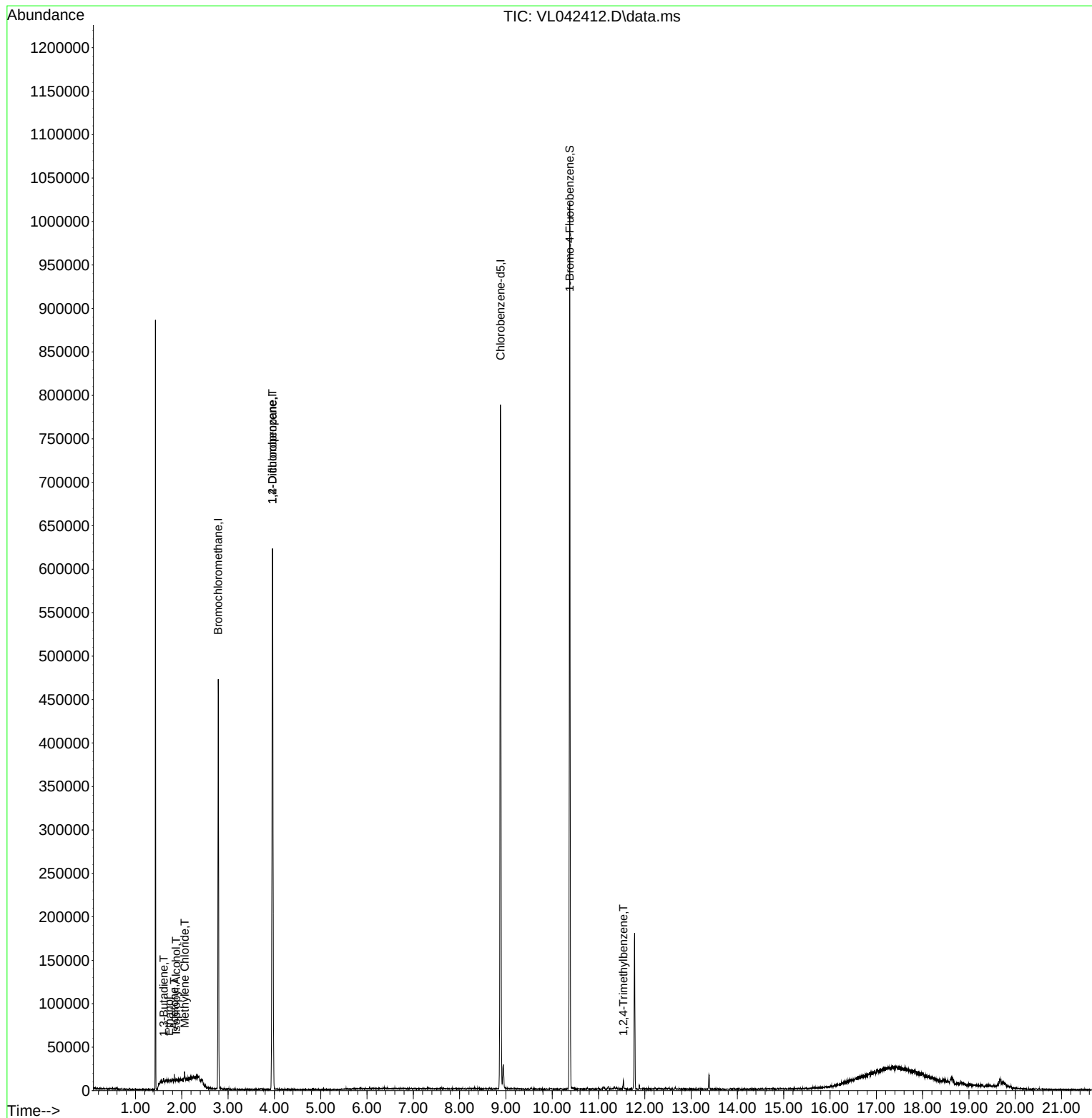
Internal Standards						
1) Bromochloromethane	2.787	49	126389	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	357003	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	300675	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	253782	10.271	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%
Target Compounds						
					Qvalue	
13) Ethanol	1.729	45	634	0.412	ppbv	77
15) Acetone	1.835	43	2720	0.131	ppbv #	78
16) 1,3-Butadiene	1.609	39	335	0.034	ppbv #	9
19) Isopropyl Alcohol	1.881	45	465	0.040	ppbv #	33
20) Methylene Chloride	2.065	84	1310	0.162	ppbv	96
39) 1,2-Dichloropropane	3.959	63	97557	6.799	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.536	105	2237	0.037	ppbv #	62

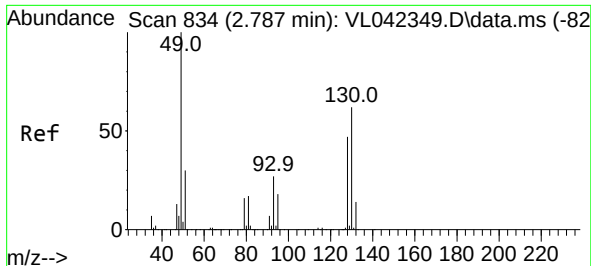
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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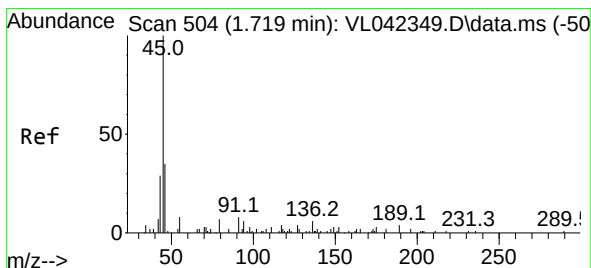
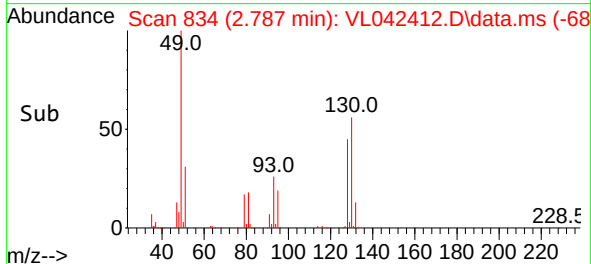
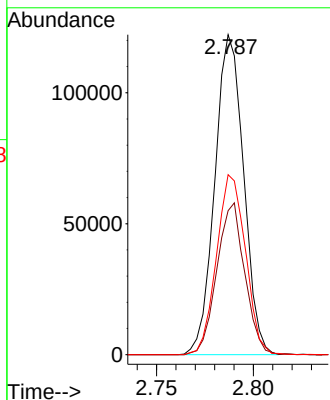
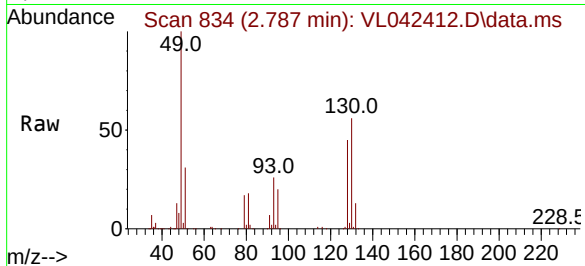




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

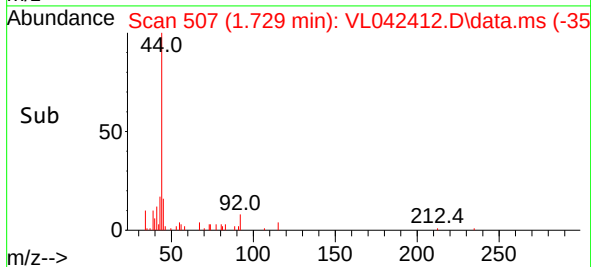
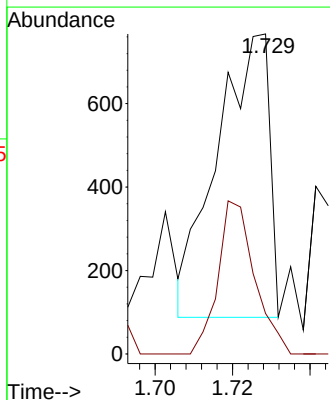
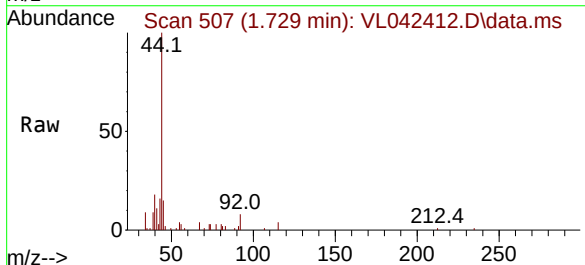
Instrument :
MSVOA_L
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QC041725 CA 27806

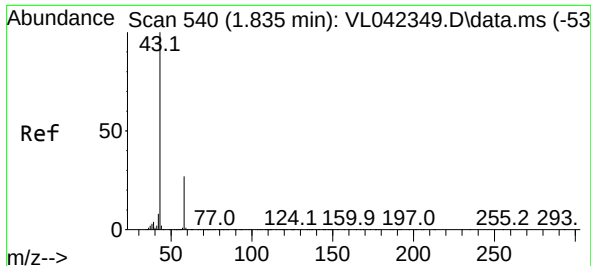
Tgt Ion: 49 Resp: 126389
Ion Ratio Lower Upper
49 100
128 46.0 22.8 68.4
130 56.5 29.3 88.0



#13
Ethanol
Concen: 0.412 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

Tgt Ion: 45 Resp: 634
Ion Ratio Lower Upper
45 100
46 38.2 21.9 87.7

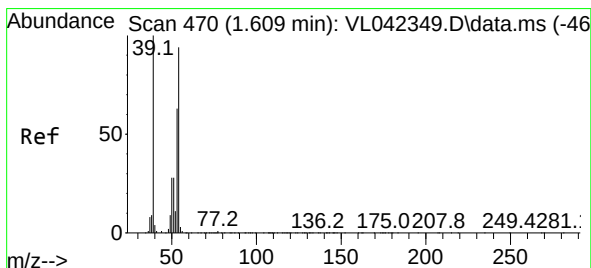
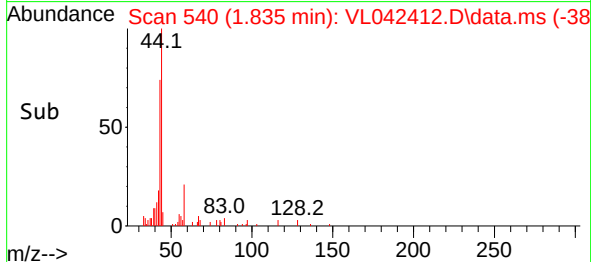
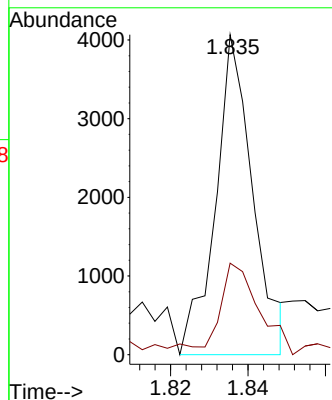
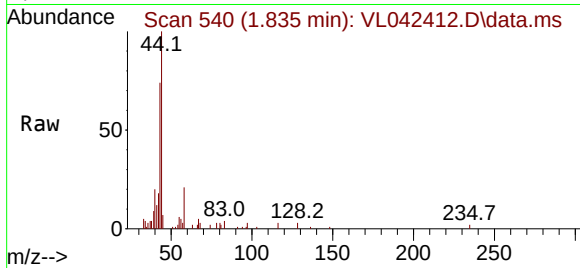




#15
Acetone
Concen: 0.131 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

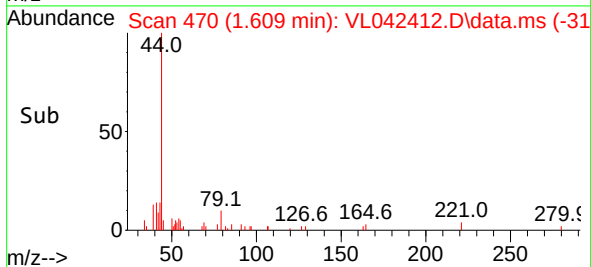
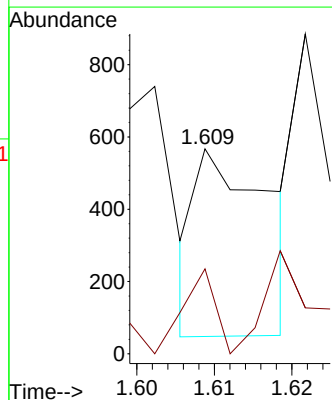
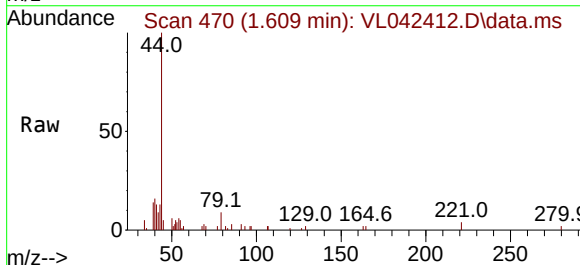
Instrument :
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QC041725 CA 27806

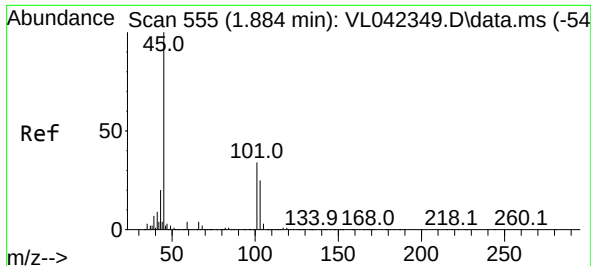
Tgt Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
58 39.8 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.034 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

Tgt Ion: 39 Resp: 335
Ion Ratio Lower Upper
39 100
54 0.0 64.9 97.3#

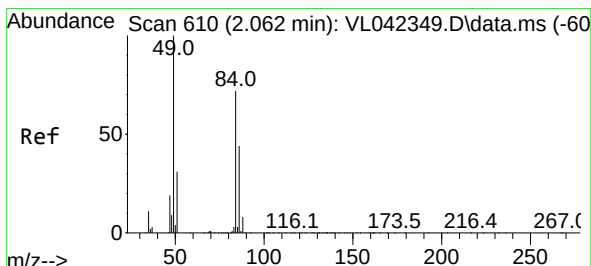
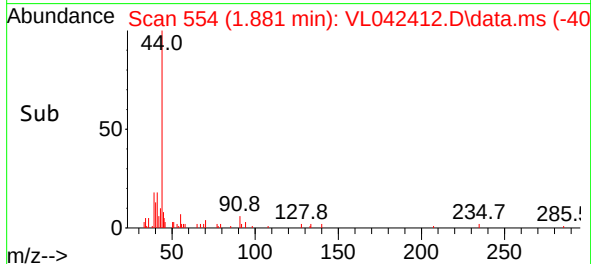
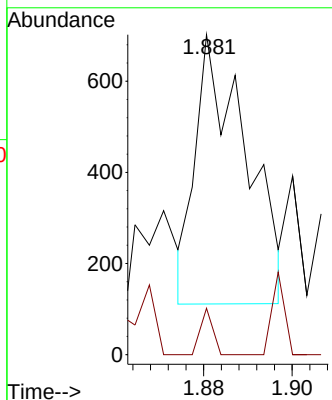
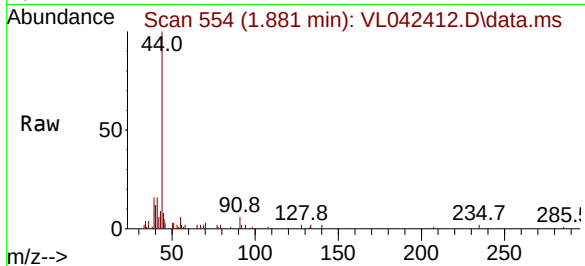




#19
Isopropyl Alcohol
Concen: 0.040 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

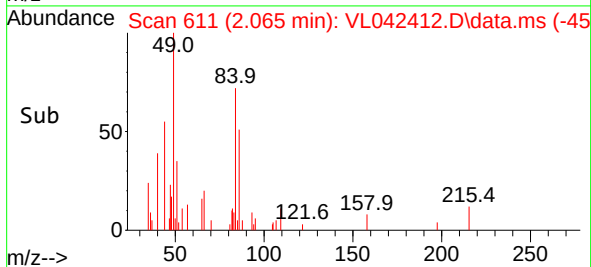
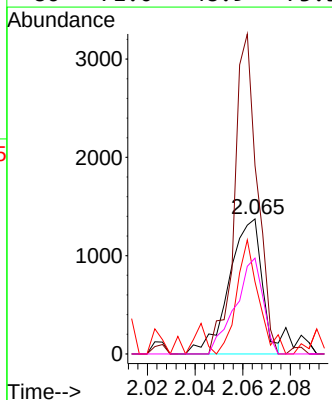
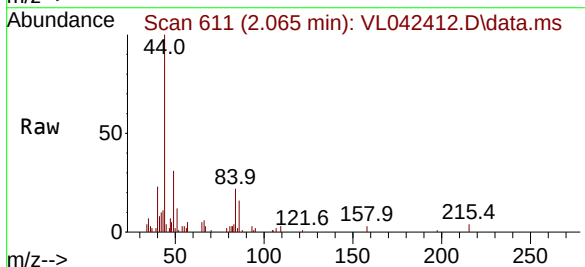
Instrument :
MSVOA_L
ClientSampleId :
QC041725 CA 27806

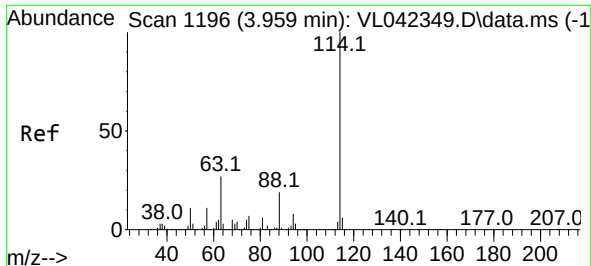
Tgt Ion: 45 Resp: 465
Ion Ratio Lower Upper
45 100
58 0.0 34.5 51.7#



#20
Methylene Chloride
Concen: 0.162 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

Tgt Ion: 84 Resp: 1310
Ion Ratio Lower Upper
84 100
49 139.5 111.6 167.4
51 40.4 35.1 52.7
86 71.0 48.9 73.3

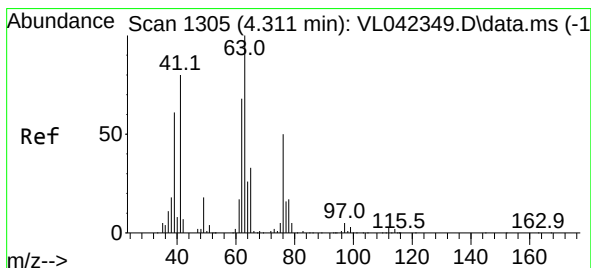
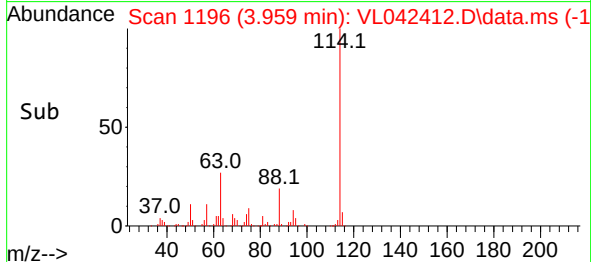
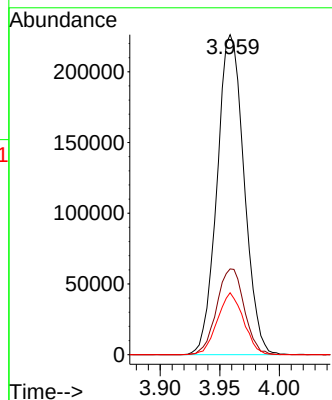
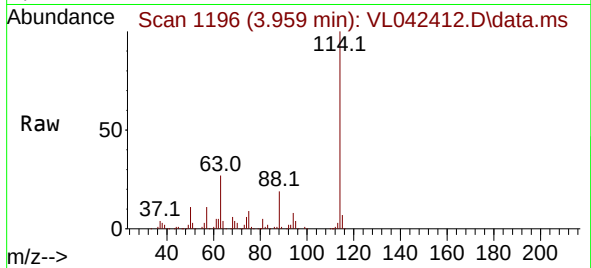




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.000 min
 Lab File: VL042412.D
 Acq: 21 Apr 2025 19:47

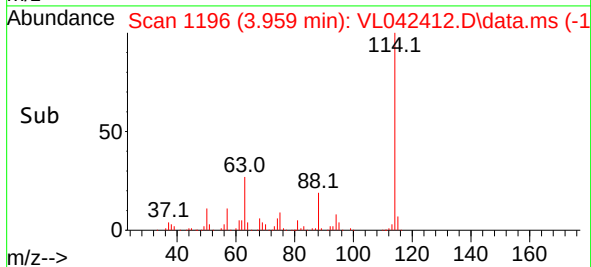
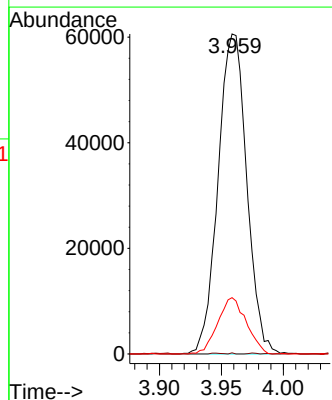
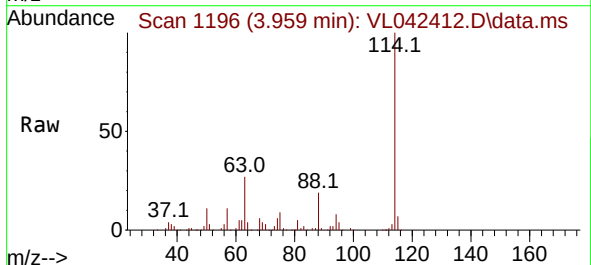
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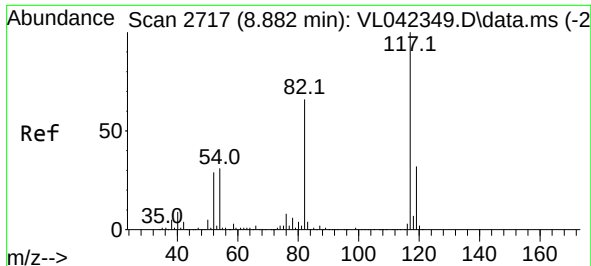
Tgt Ion:114 Resp: 357003
 Ion Ratio Lower Upper
 114 100
 63 27.4 21.8 32.6
 88 18.6 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 6.799 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.353 min
 Lab File: VL042412.D
 Acq: 21 Apr 2025 19:47

Tgt Ion: 63 Resp: 97557
 Ion Ratio Lower Upper
 63 100
 41 0.3 64.2 96.2#
 62 17.6 54.3 81.5#

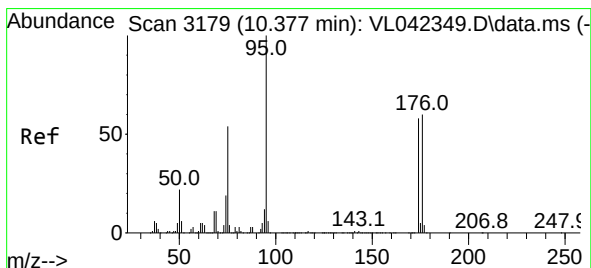
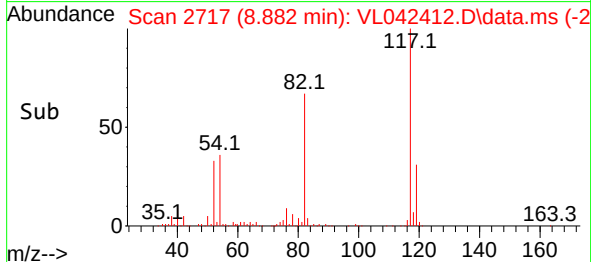
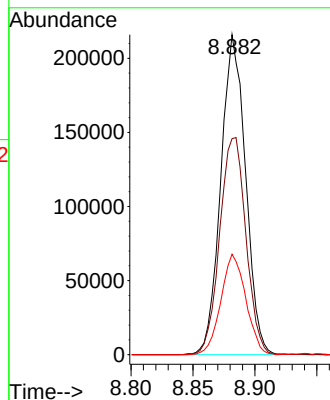
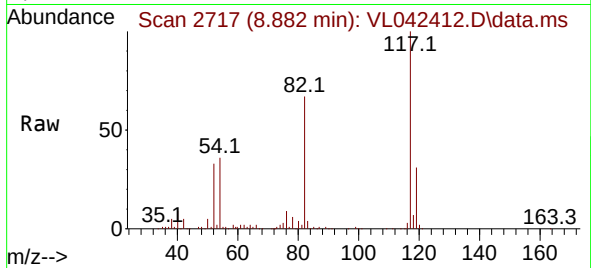




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

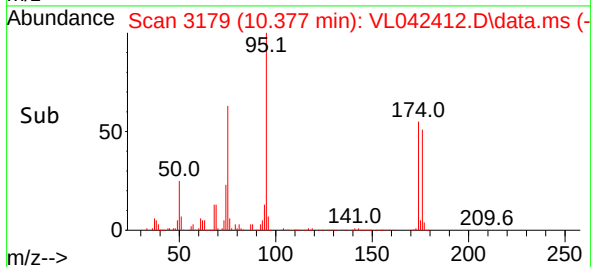
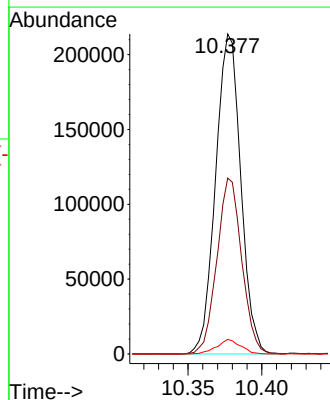
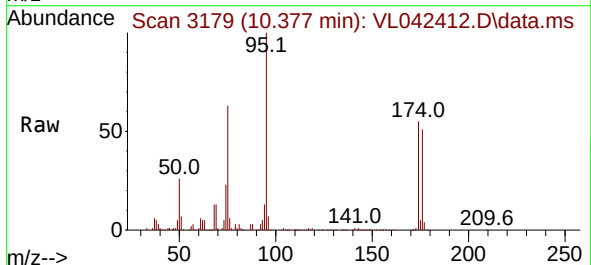
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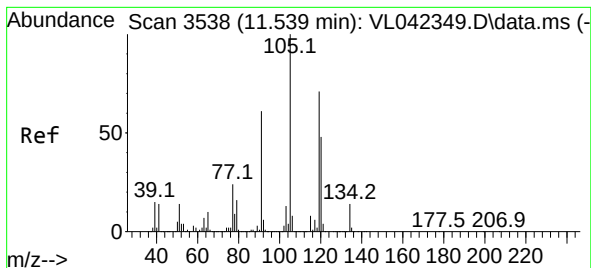
Tgt Ion:117 Resp: 300675
Ion Ratio Lower Upper
117 100
82 72.0 57.8 86.6
119 31.7 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.271 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042412.D
Acq: 21 Apr 2025 19:47

Tgt Ion: 95 Resp: 253782
Ion Ratio Lower Upper
95 100
174 54.2 48.5 72.7
175 4.3 3.7 5.5





#74

1,2,4-Trimethylbenzene

Concen: 0.037 ppbv

RT: 11.536 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL042412.D

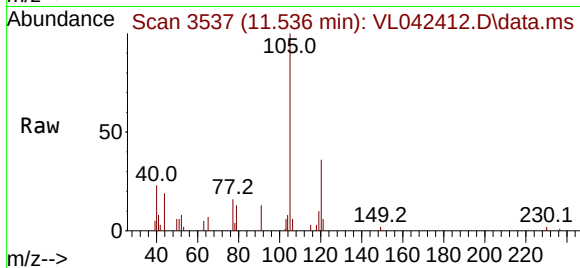
Acq: 21 Apr 2025 19:47

Instrument :

MSVOA_L

ClientSampleId :

QC041725 CA 27806



Tgt Ion:105 Resp: 2237

Ion Ratio Lower Upper

105 100

120 36.2 38.1 57.1#

91 12.8 48.8 73.2#

77 15.8 19.0 28.4#

