

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040225\
 Data File : VL042213.D
 Acq On : 02 Apr 2025 12:03
 Operator : SY/MD
 Sample : QC040125 CAN 10258
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 01:43:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

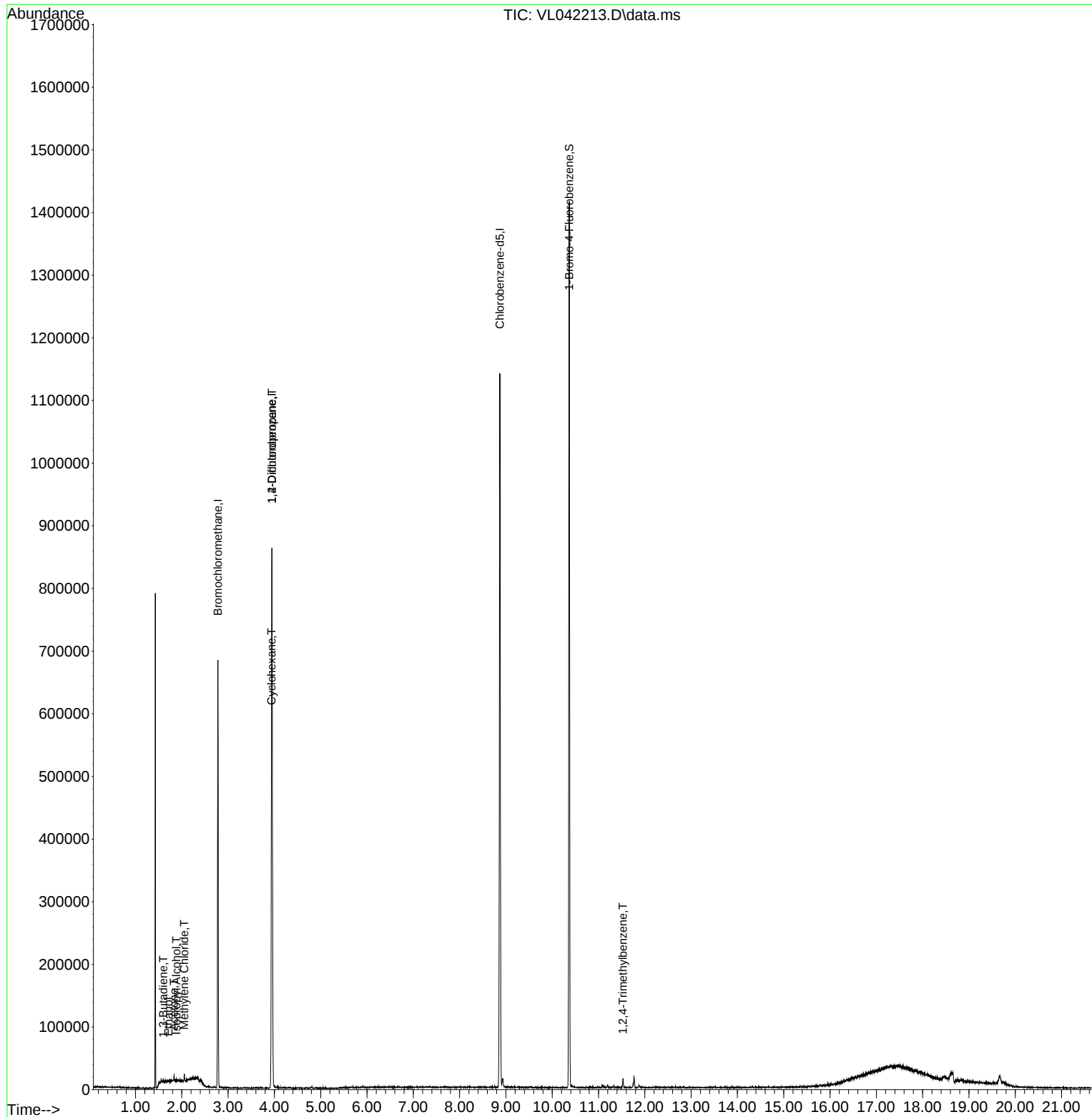
Internal Standards						
1) Bromochloromethane	2.781	49	178900	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	496734	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	449065	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	354699	9.618	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.712	45	271	0.232	ppbv	65
15) Acetone	1.832	43	3785	0.151	ppbv	91
16) 1,3-Butadiene	1.602	39	449	0.037	ppbv #	11
19) Isopropyl Alcohol	1.884	45	825	0.058	ppbv #	30
20) Methylene Chloride	2.056	84	1653	0.177	ppbv #	86
30) Cyclohexane	3.936	84	1075	0.049	ppbv #	3
39) 1,2-Dichloropropane	3.946	63	128326	7.155	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.526	105	5180	0.065	ppbv #	63

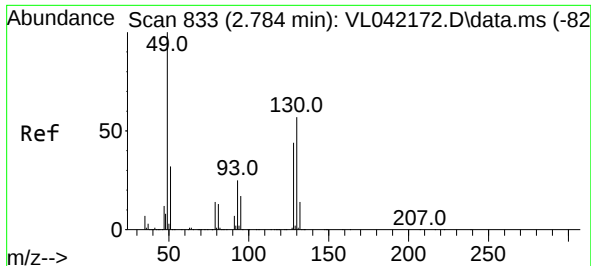
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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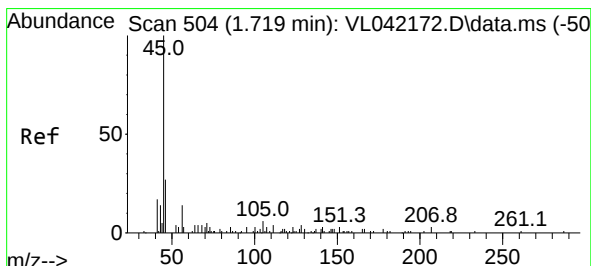
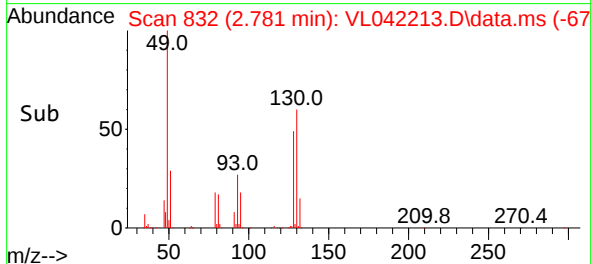
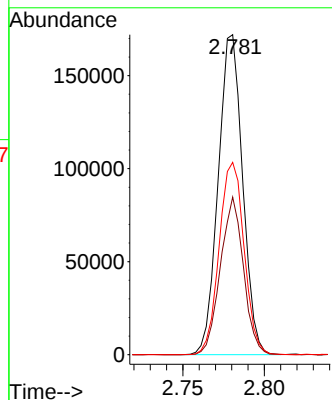
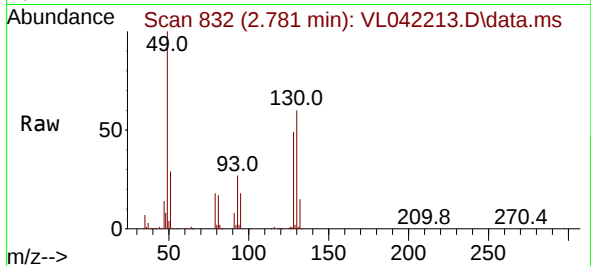




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

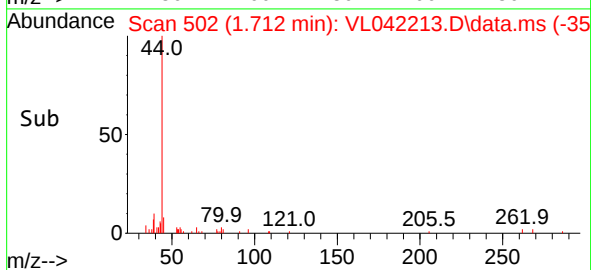
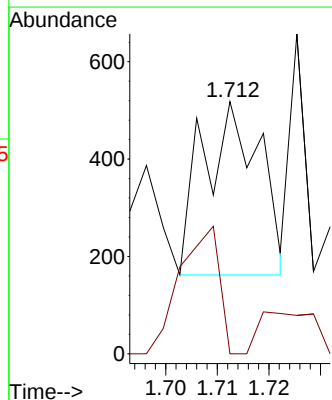
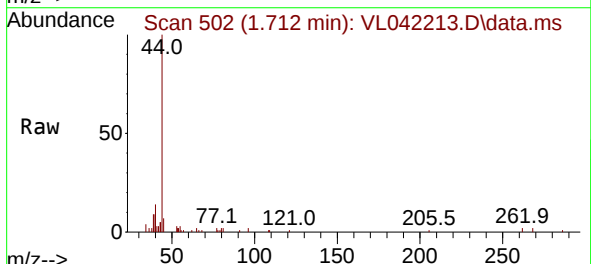
Instrument :
MSVOA_L
ClientSampleId :

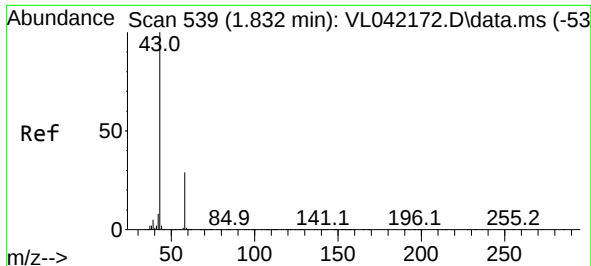
Tgt Ion: 49 Resp: 178900
Ion Ratio Lower Upper
49 100
128 46.6 22.9 68.5
130 61.5 28.8 86.4



#13
Ethanol
Concen: 0.232 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.007 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

Tgt Ion: 45 Resp: 271
Ion Ratio Lower Upper
45 100
46 74.9 20.2 80.8





#15

Acetone

Concen: 0.151 ppbv

RT: 1.832 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL042213.D

Acq: 02 Apr 2025 12:03

Instrument :

MSVOA_L

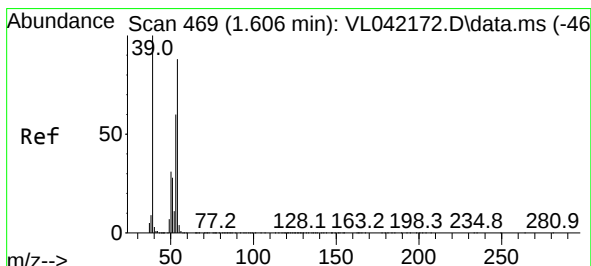
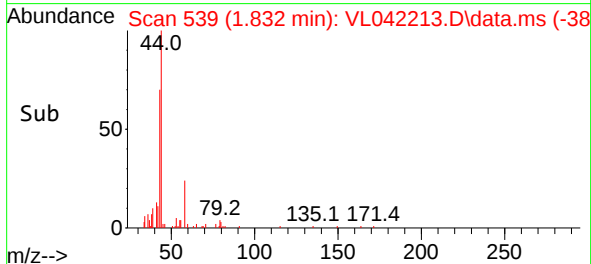
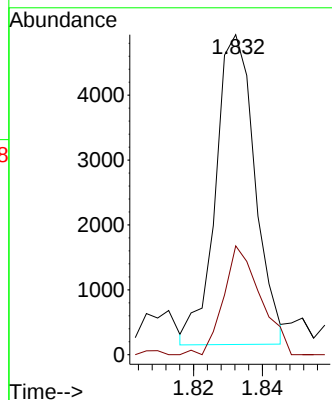
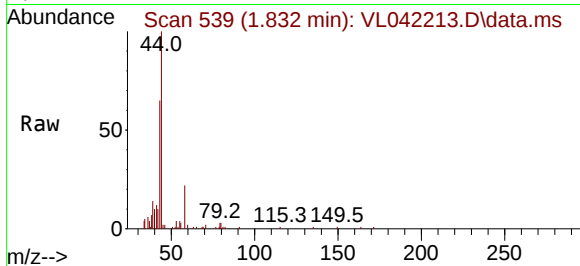
ClientSampleId :

Tgt Ion: 43 Resp: 3785

Ion Ratio Lower Upper

43 100

58 33.7 23.2 34.8



#16

1,3-Butadiene

Concen: 0.037 ppbv

RT: 1.602 min Scan# 468

Delta R.T. -0.003 min

Lab File: VL042213.D

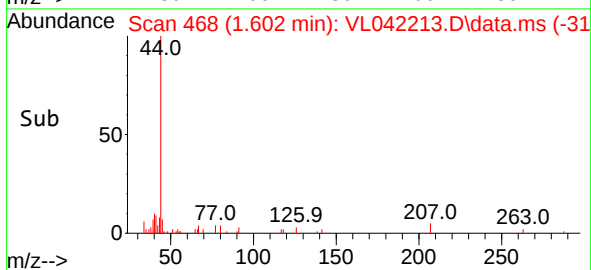
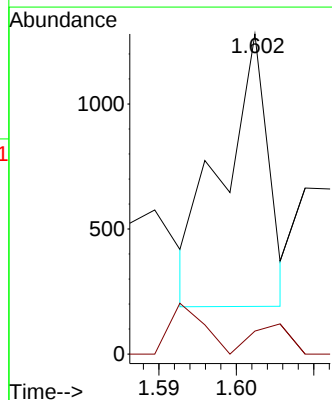
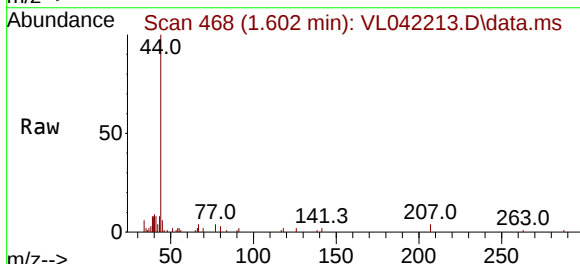
Acq: 02 Apr 2025 12:03

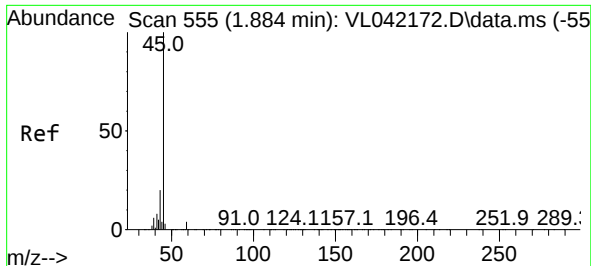
Tgt Ion: 39 Resp: 449

Ion Ratio Lower Upper

39 100

54 0.0 60.7 91.1#

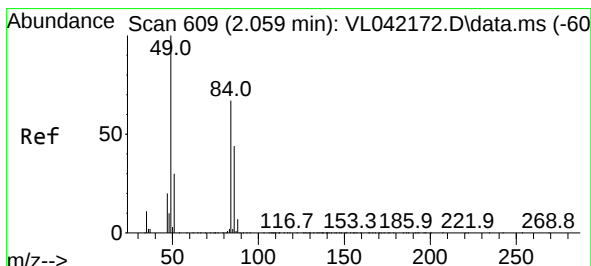
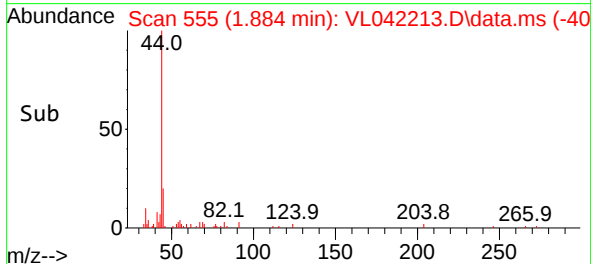
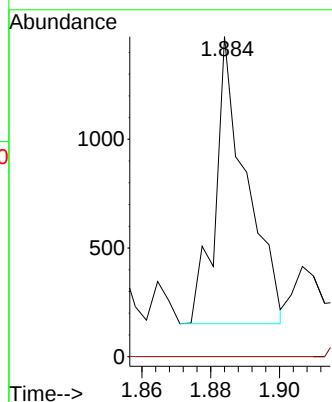
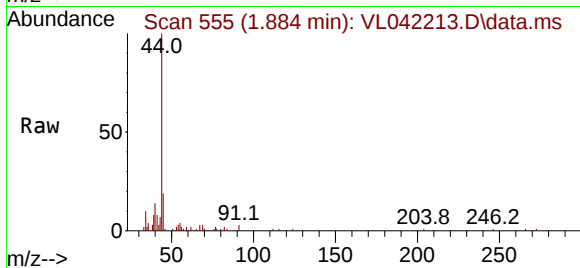




#19
Isopropyl Alcohol
Concen: 0.058 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

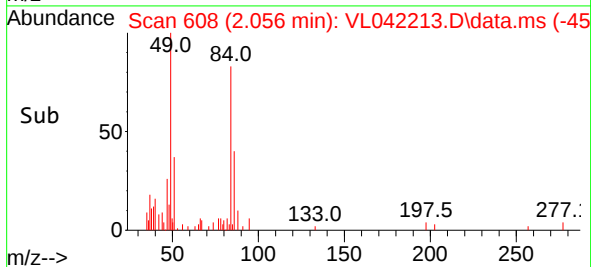
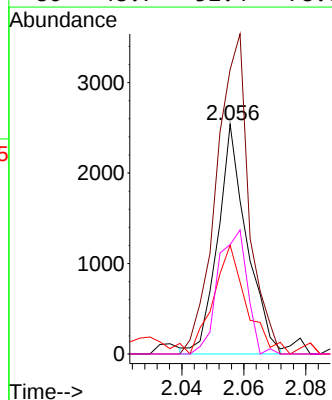
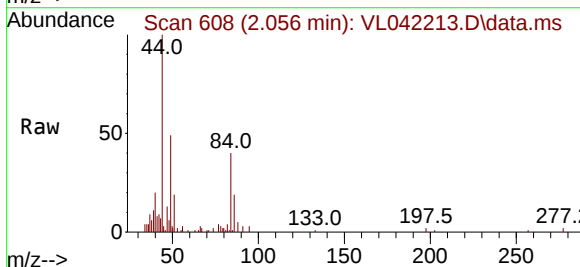
Instrument :
MSVOA_L
ClientSampleId :

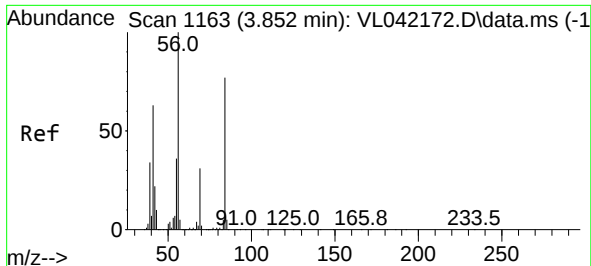
Tgt Ion: 45 Resp: 825
Ion Ratio Lower Upper
45 100
58 0.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

Tgt Ion: 84 Resp: 1653
Ion Ratio Lower Upper
84 100
49 133.9 120.2 180.4
51 43.7 37.4 56.0
86 48.7 52.4 78.6#

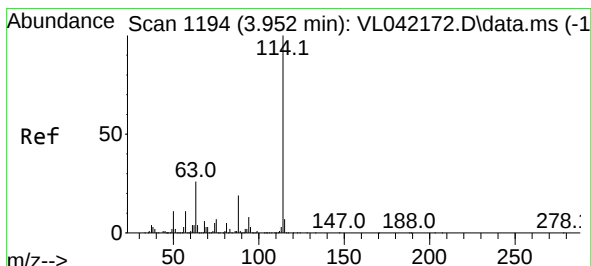
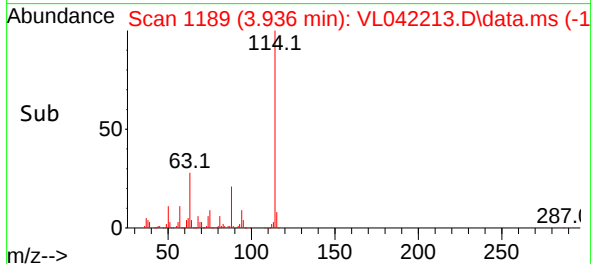
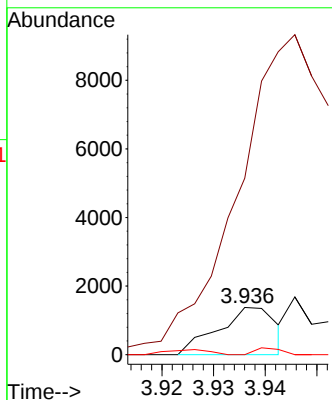
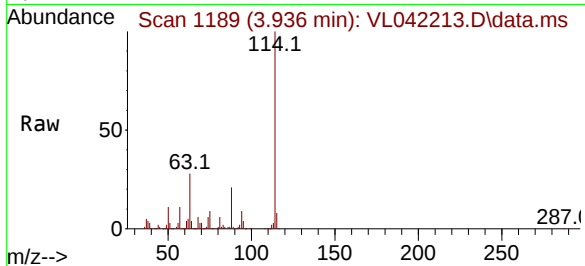




#30
Cyclohexane
Concen: 0.049 ppbv
RT: 3.936 min Scan# 1163
Delta R.T. 0.084 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

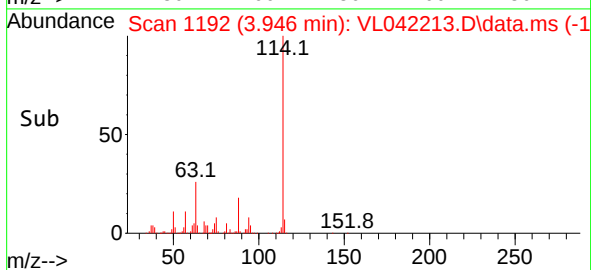
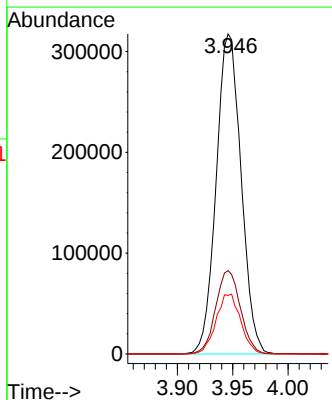
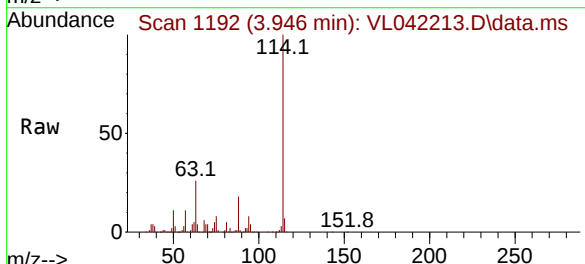
Instrument :
MSVOA_L
ClientSampleId :

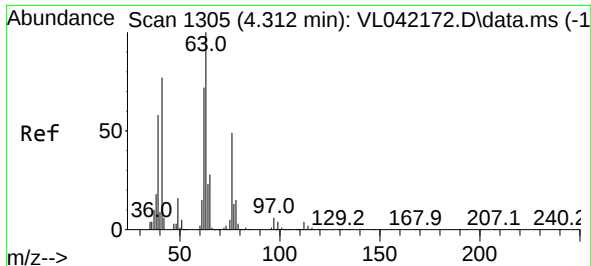
Tgt Ion: 84 Resp: 1075
Ion Ratio Lower Upper
84 100
56 0.0 102.8 154.2#
41 16.0 66.5 99.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.007 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

Tgt Ion: 114 Resp: 496734
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.5 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.155 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.366 min

Lab File: VL042213.D

Acq: 02 Apr 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

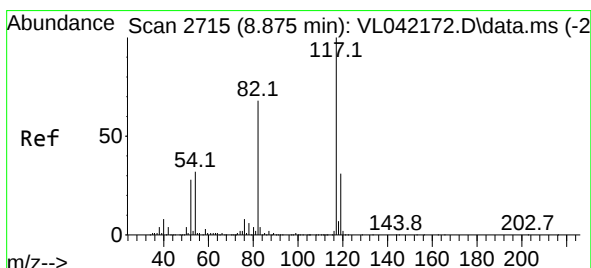
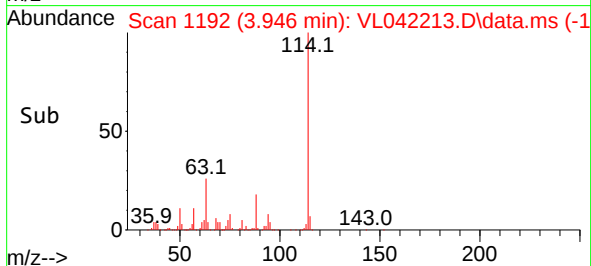
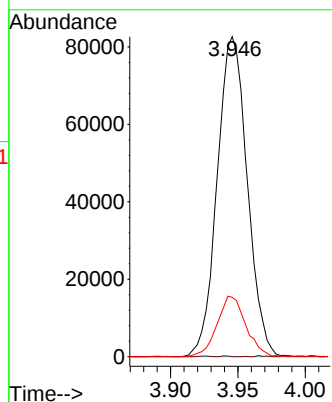
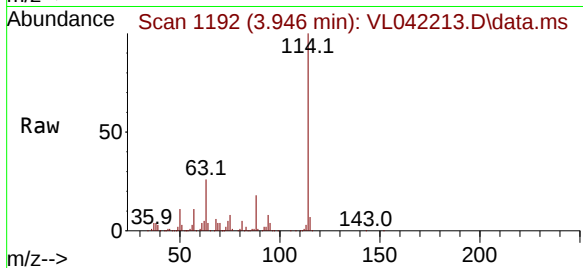
Tgt Ion: 63 Resp: 128326

Ion Ratio Lower Upper

63 100

41 0.0 61.7 92.5#

62 18.6 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 2713

Delta R.T. -0.007 min

Lab File: VL042213.D

Acq: 02 Apr 2025 12:03

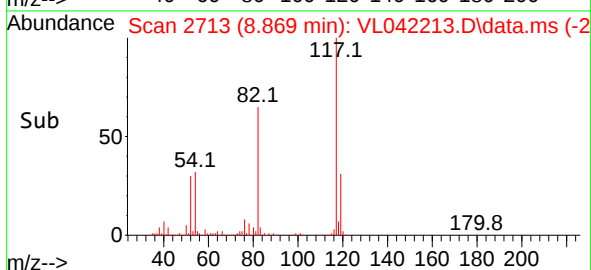
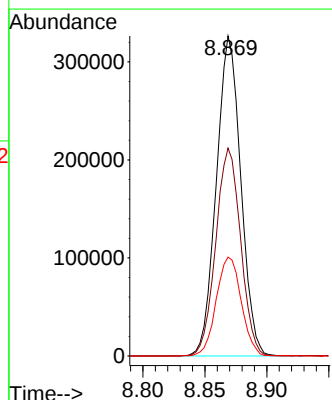
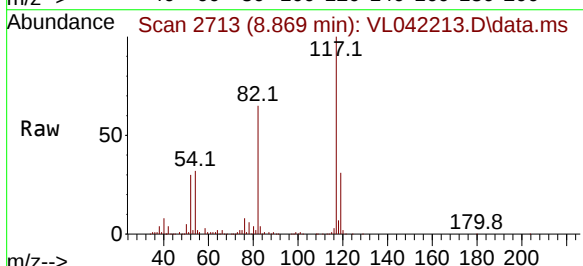
Tgt Ion: 117 Resp: 449065

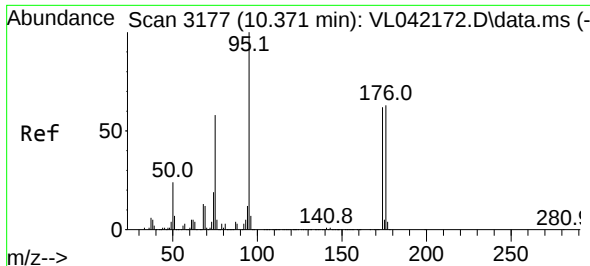
Ion Ratio Lower Upper

117 100

82 66.2 55.8 83.6

119 31.7 25.5 38.3

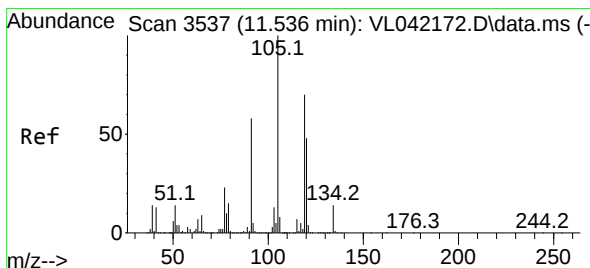
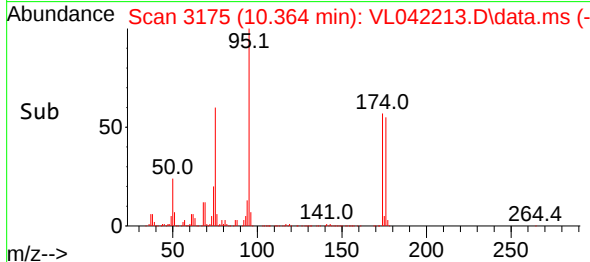
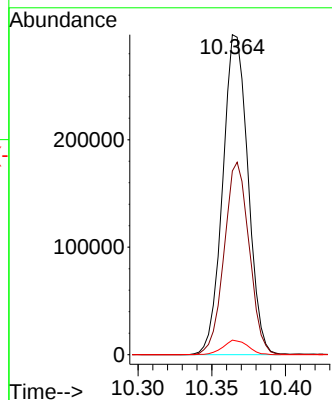
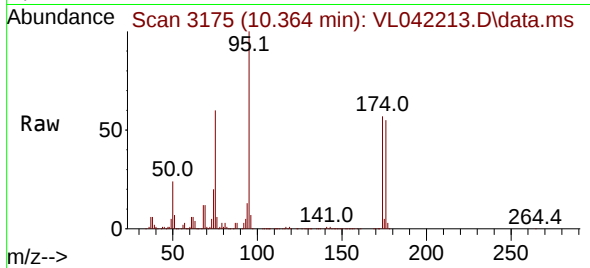




#68
1-Bromo-4-Fluorobenzene
Concen: 9.618 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.007 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 354699
Ion Ratio Lower Upper
95 100
174 59.6 50.6 76.0
175 4.5 3.8 5.6



#74
1,2,4-Trimethylbenzene
Concen: 0.065 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.010 min
Lab File: VL042213.D
Acq: 02 Apr 2025 12:03

Tgt Ion: 105 Resp: 5180
Ion Ratio Lower Upper
105 100
120 31.0 38.6 58.0#
91 16.8 46.2 69.2#
77 16.2 18.6 27.8#

