

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041959.D
 Acq On : 03 Feb 2025 11:34
 Operator : SY/MD
 Sample : VL00203ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 02:32:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	152184	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	419089	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	355852	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	265361	9.468	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	290	0.032	ppbv #	18
13) Ethanol	1.722	45	321	0.490	ppbv	92
15) Acetone	1.839	43	2236	0.122	ppbv	93
17) tert-Butyl alcohol	2.046	59	951	0.042	ppbv #	68
19) Isopropyl Alcohol	1.890	45	1541	0.142	ppbv #	32
20) Methylene Chloride	2.062	84	828	0.115	ppbv #	81
21) Allyl Chloride	2.094	41	387	0.031	ppbv #	21
23) Vinyl Acetate	2.457	43	393	0.043	ppbv #	86
30) Cyclohexane	3.962	84	1267	0.075	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	102727	7.619	ppbv #	21

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

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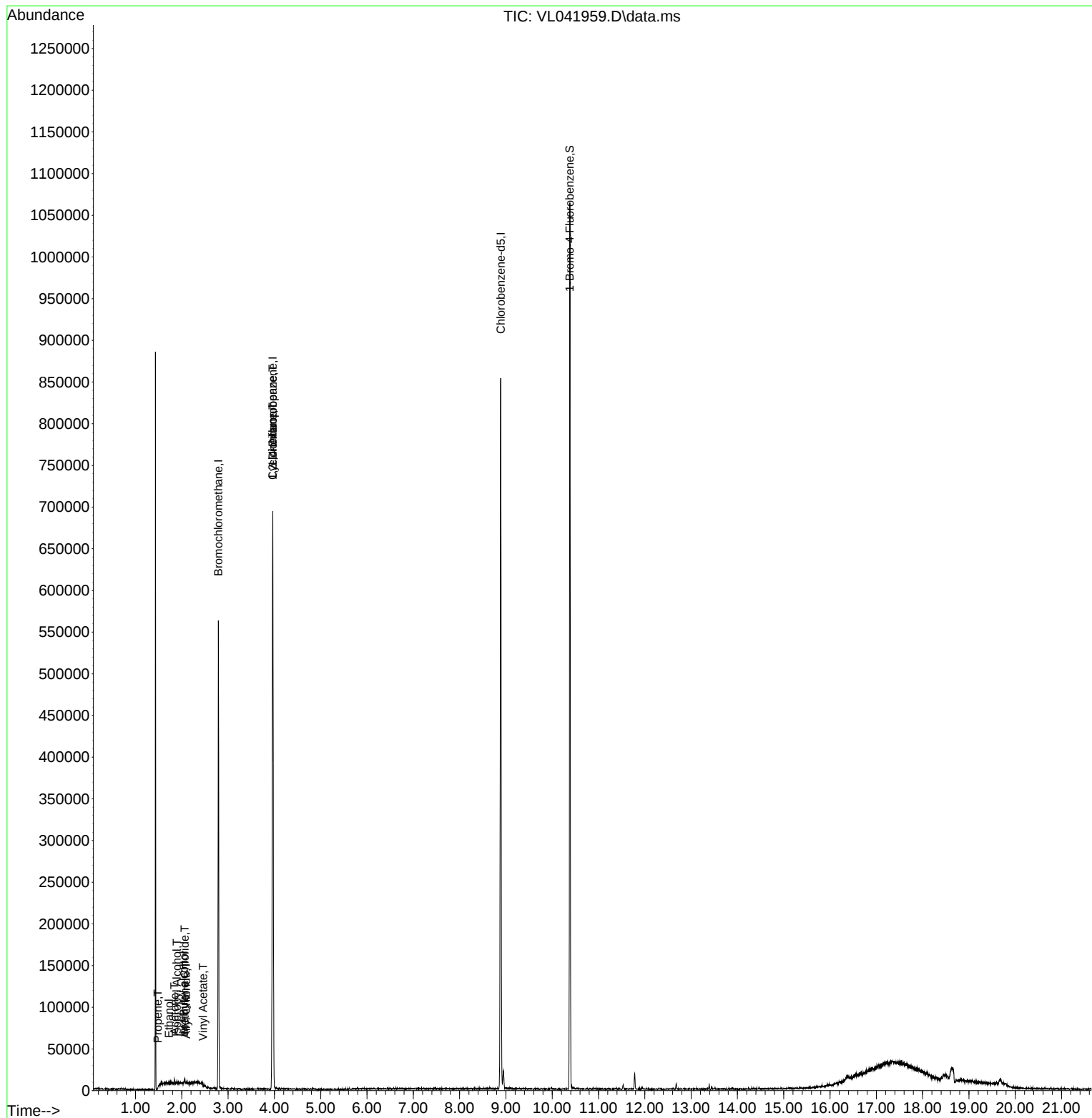
Quant Time: Feb 04 02:32:08 2025

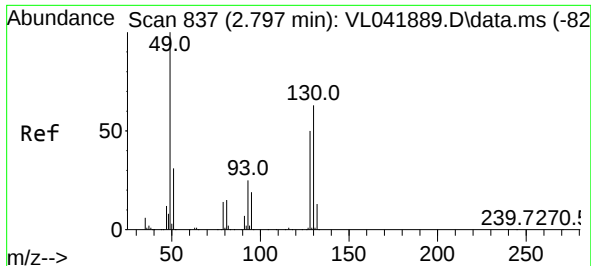
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

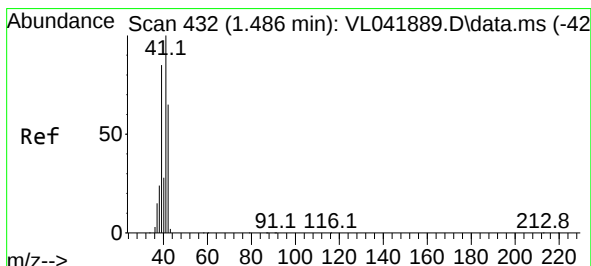
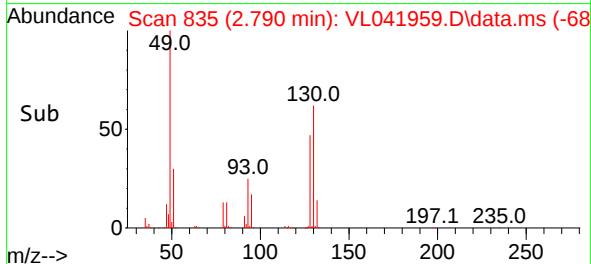
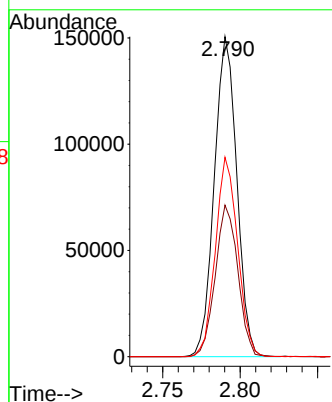
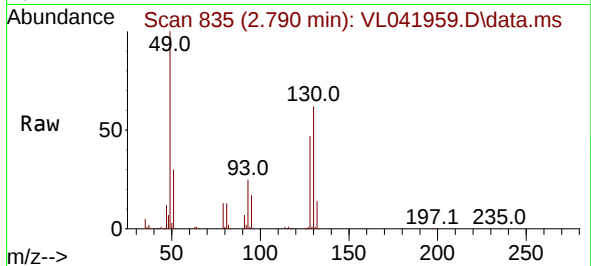




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

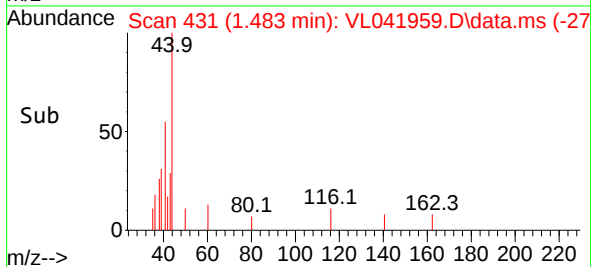
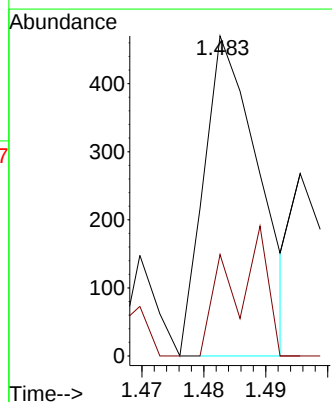
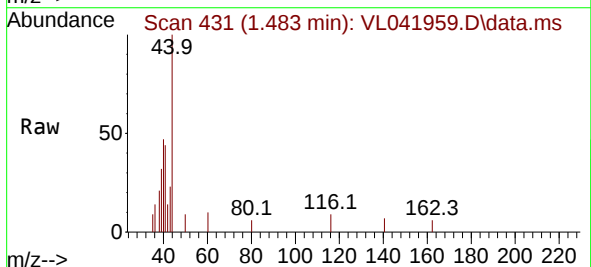
Instrument :
MSVOA_L
ClientSampleId :

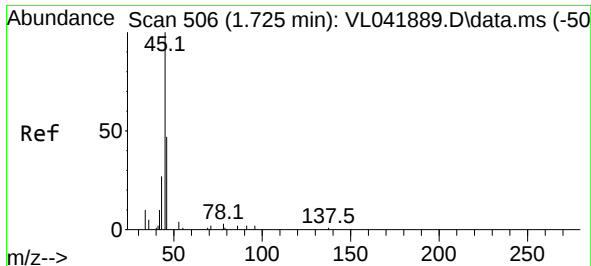
Tgt Ion: 49 Resp: 152184
Ion Ratio Lower Upper
49 100
128 47.6 24.3 73.0
130 61.8 31.1 93.2



#9
Propene
Concen: 0.032 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

Tgt Ion: 41 Resp: 290
Ion Ratio Lower Upper
41 100
42 0.0 52.0 78.0#

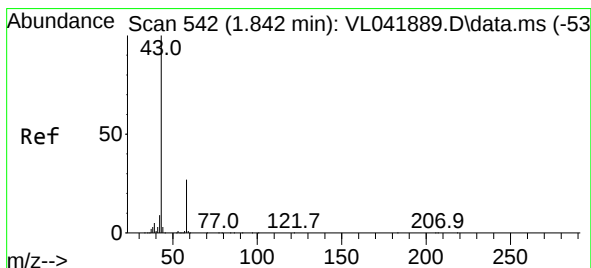
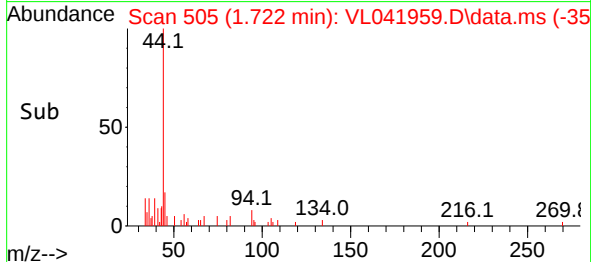
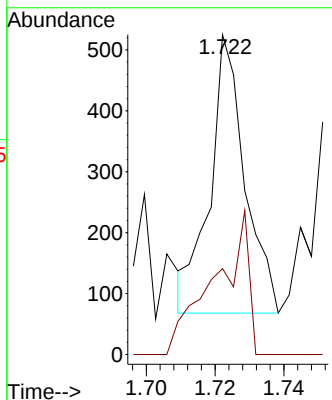
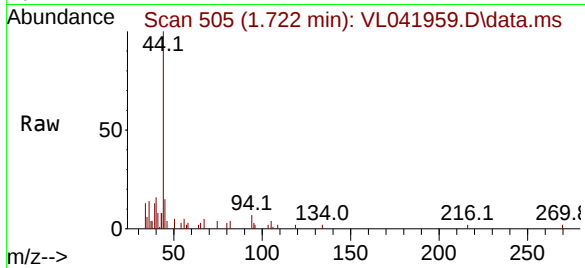




#13
Ethanol
Concen: 0.490 ppbv
RT: 1.722 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

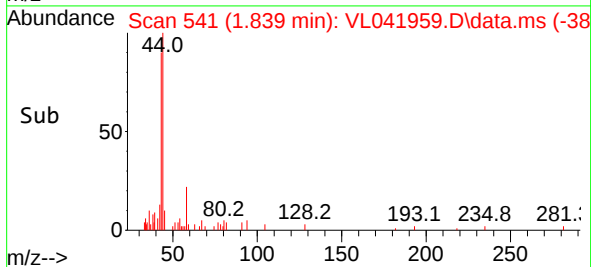
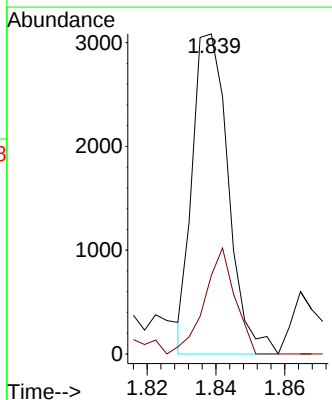
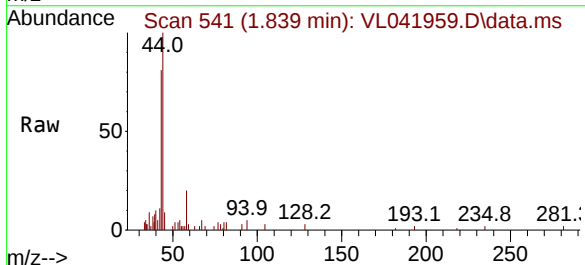
Instrument :
MSVOA_L
ClientSampleId :

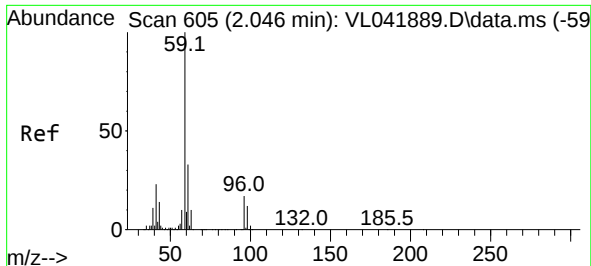
Tgt Ion: 45 Resp: 321
Ion Ratio Lower Upper
45 100
46 50.5 18.1 72.5



#15
Acetone
Concen: 0.122 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

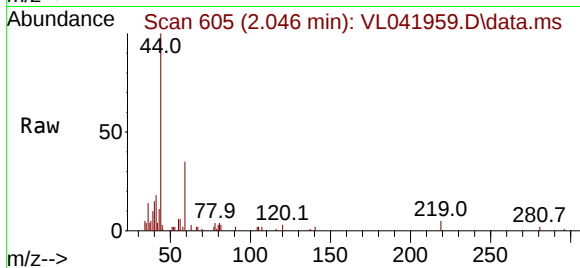
Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



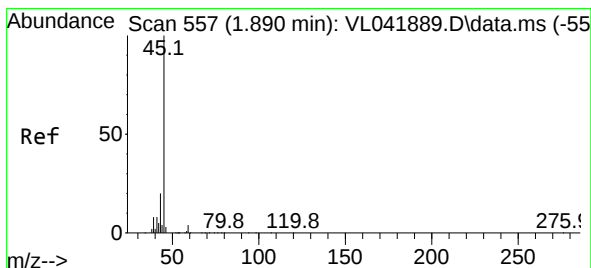
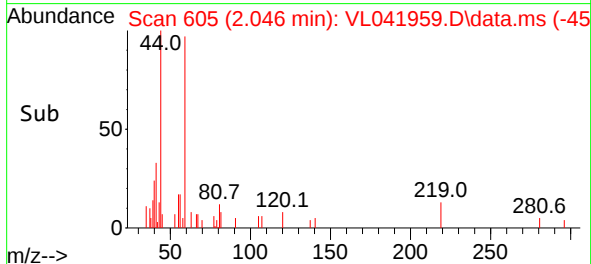
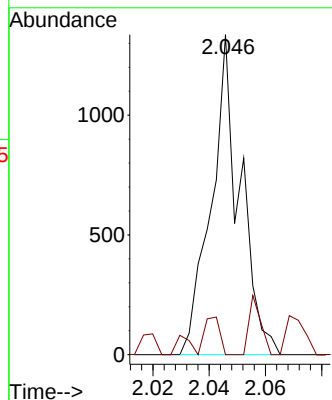


#17
tert-Butyl alcohol
Concen: 0.042 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

Instrument :
MSVOA_L
ClientSampleId :

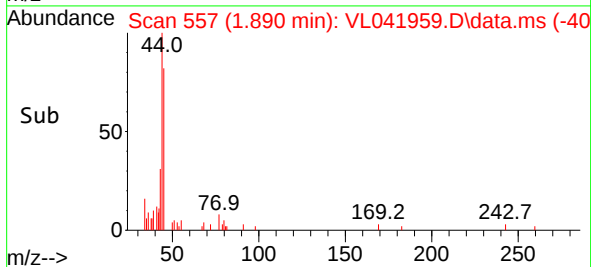
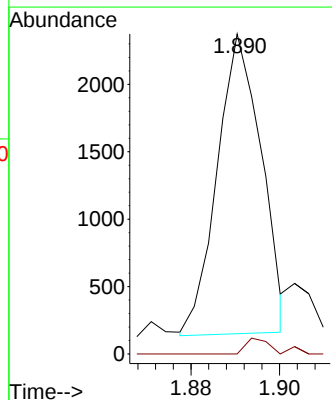
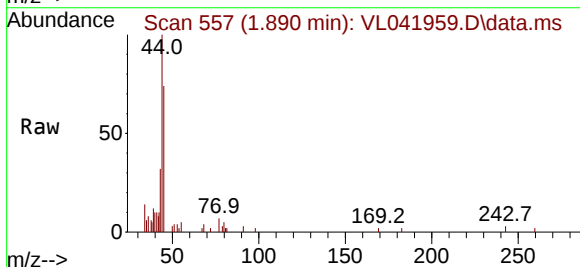


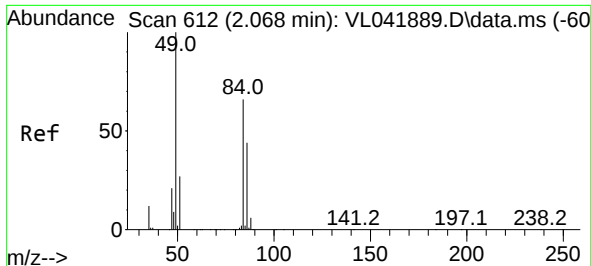
Tgt Ion: 59 Resp: 951
Ion Ratio Lower Upper
59 100
57 21.7 7.8 11.8#



#19
Isopropyl Alcohol
Concen: 0.142 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

Tgt Ion: 45 Resp: 1541
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#





#20

Methylene Chloride

Concen: 0.115 ppbv

RT: 2.062 min Scan# 61

Delta R.T. -0.006 min

Lab File: VL041959.D

Acq: 03 Feb 2025 11:34

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 84 Resp: 828

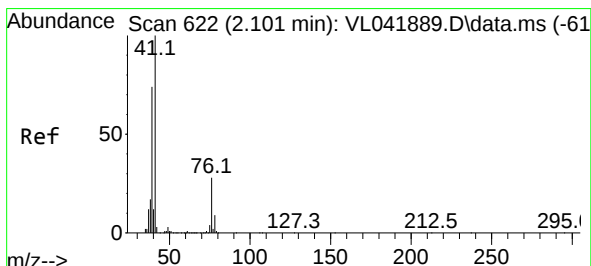
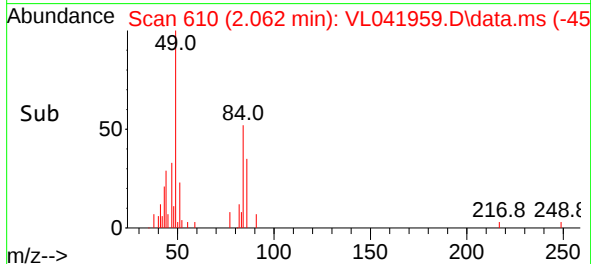
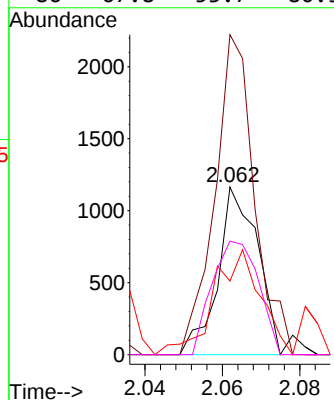
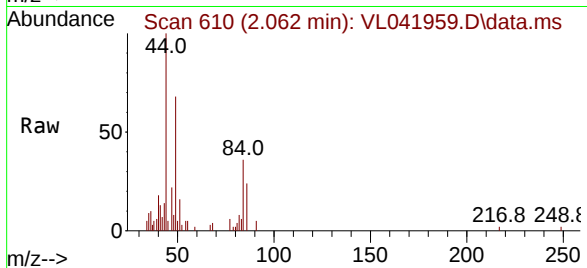
Ion Ratio Lower Upper

84 100

49 191.0 123.1 184.7#

51 37.6 35.8 53.8

86 67.8 53.7 80.5



#21

Allyl Chloride

Concen: 0.031 ppbv

RT: 2.094 min Scan# 620

Delta R.T. -0.006 min

Lab File: VL041959.D

Acq: 03 Feb 2025 11:34

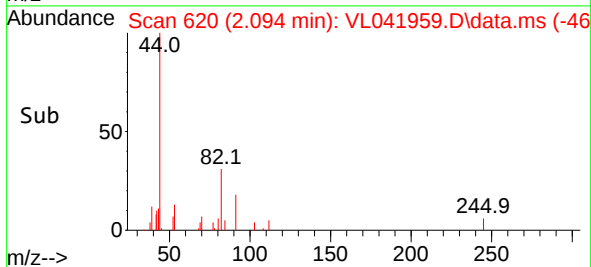
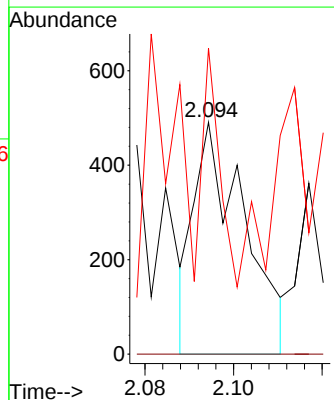
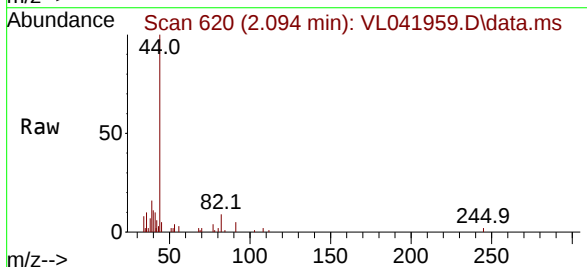
Tgt Ion: 41 Resp: 387

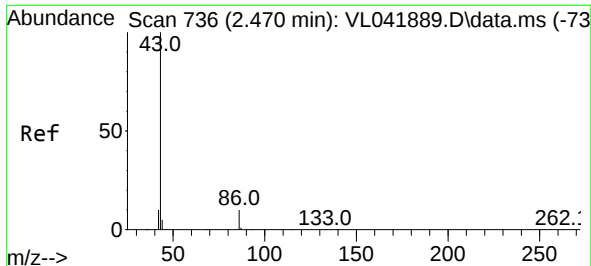
Ion Ratio Lower Upper

41 100

76 0.0 24.2 36.4#

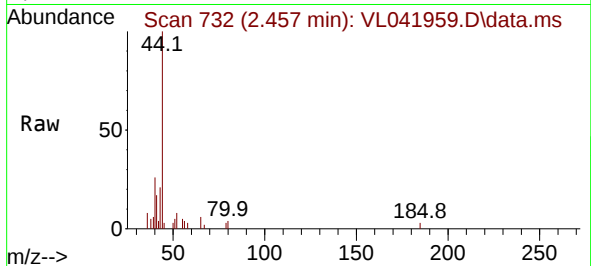
39 0.0 60.6 91.0#



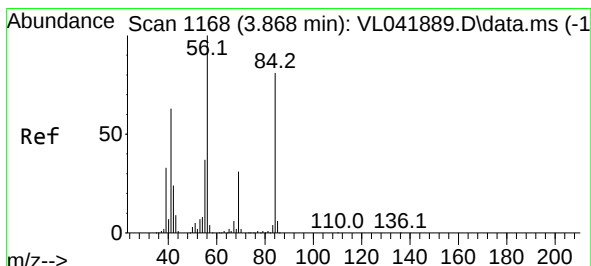
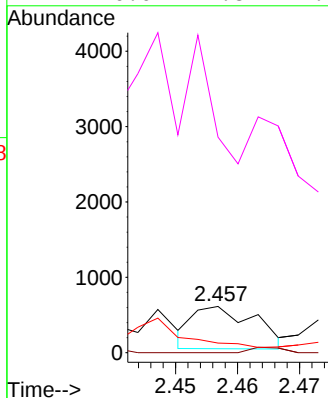
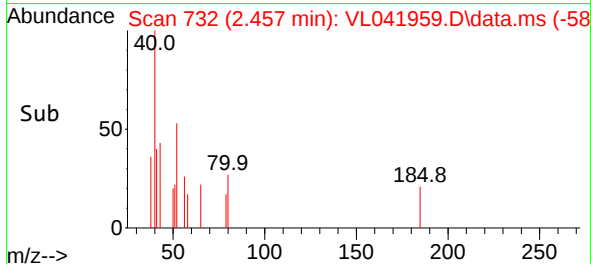


#23
 Vinyl Acetate
 Concen: 0.043 ppbv
 RT: 2.457 min Scan# 71
 Delta R.T. -0.013 min
 Lab File: VL041959.D
 Acq: 03 Feb 2025 11:34

Instrument :
 MSVOA_L
 ClientSampleId :

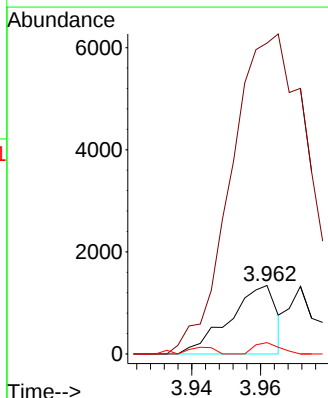
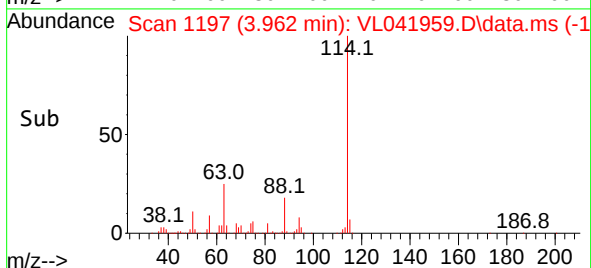
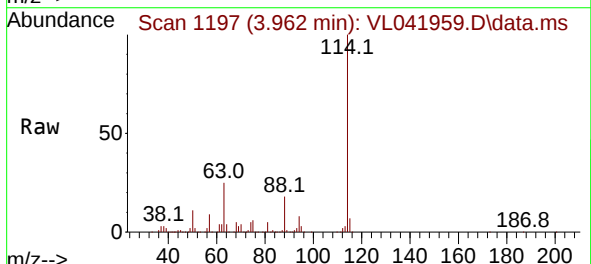


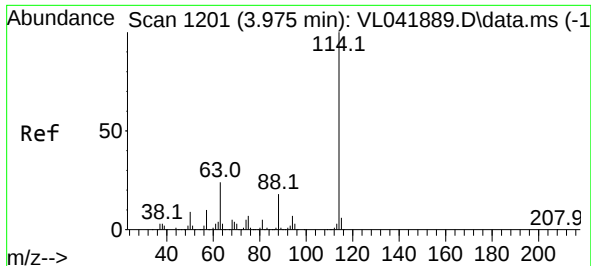
Tgt Ion: 43	Resp: 393
Ion Ratio	Lower Upper
43 100	
86 0.0	6.2 9.4#
42 12.5	8.5 12.7
44 0.0	4.8 7.2#



#30
 Cyclohexane
 Concen: 0.075 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.094 min
 Lab File: VL041959.D
 Acq: 03 Feb 2025 11:34

Tgt Ion: 84	Resp: 1267
Ion Ratio	Lower Upper
84 100	
56 798.0	99.3 148.9#
41 9.1	64.3 96.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.010 min

Lab File: VL041959.D

Acq: 03 Feb 2025 11:34

Instrument :

MSVOA_L

ClientSampleId :

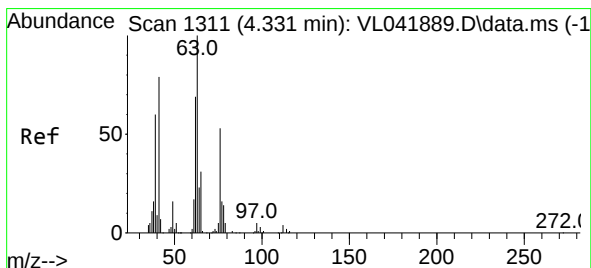
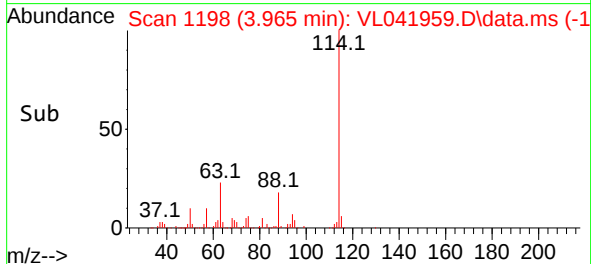
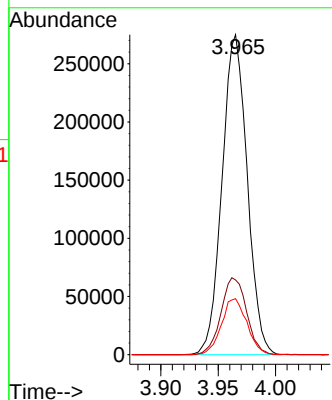
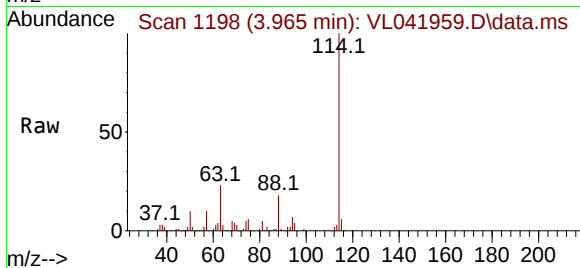
Tgt Ion:114 Resp: 419089

Ion Ratio Lower Upper

114 100

63 24.6 19.8 29.6

88 17.7 14.4 21.6



#39

1,2-Dichloropropane

Concen: 7.619 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.369 min

Lab File: VL041959.D

Acq: 03 Feb 2025 11:34

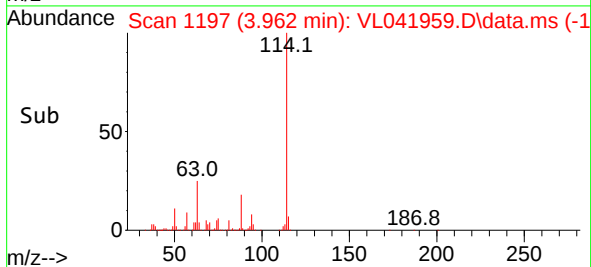
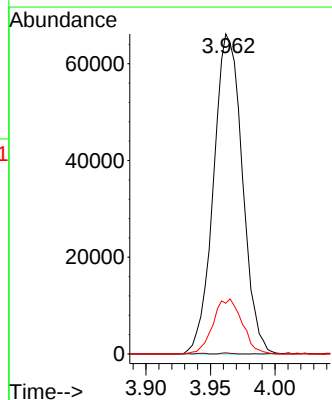
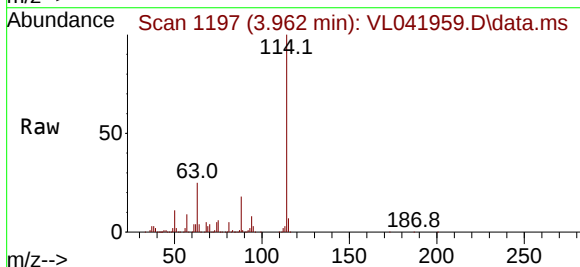
Tgt Ion: 63 Resp: 102727

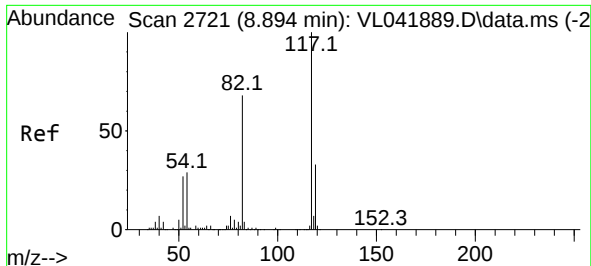
Ion Ratio Lower Upper

63 100

41 0.3 63.7 95.5#

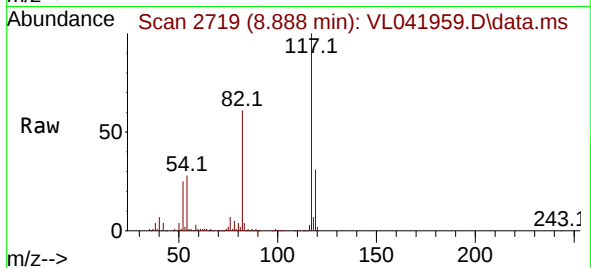
62 15.8 55.4 83.2#



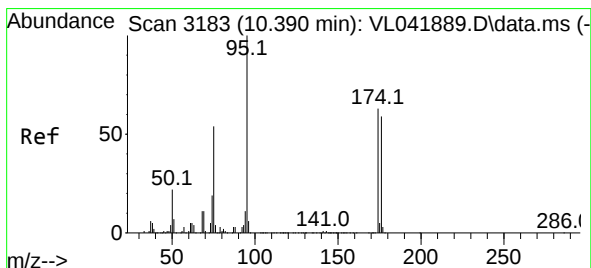
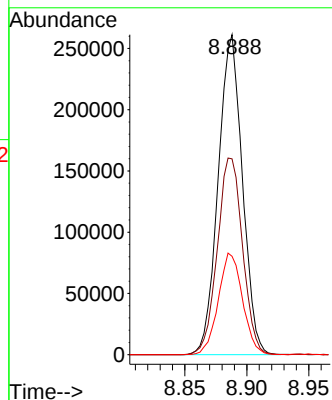
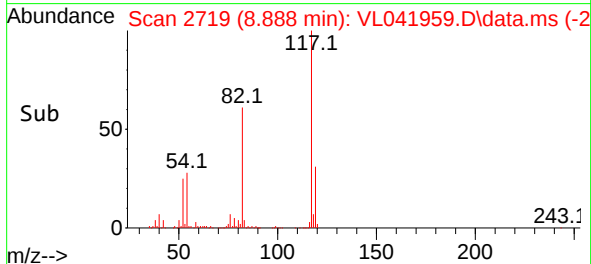


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34

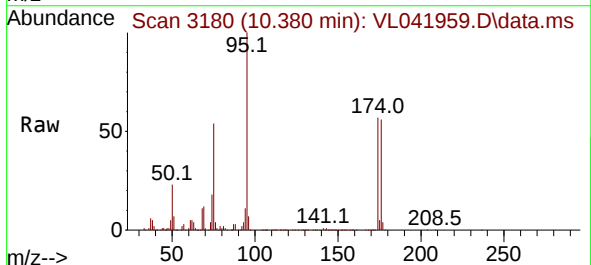
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 355852
Ion Ratio Lower Upper
117 100
82 64.2 54.2 81.4
119 31.9 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.468 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.010 min
Lab File: VL041959.D
Acq: 03 Feb 2025 11:34



Tgt Ion: 95 Resp: 265361
Ion Ratio Lower Upper
95 100
174 60.8 49.0 73.4
175 4.5 3.8 5.8

