

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041913.D
 Acq On : 15 Jan 2025 02:53
 Operator : SY/MD
 Sample : MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 15 04:26:40 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)

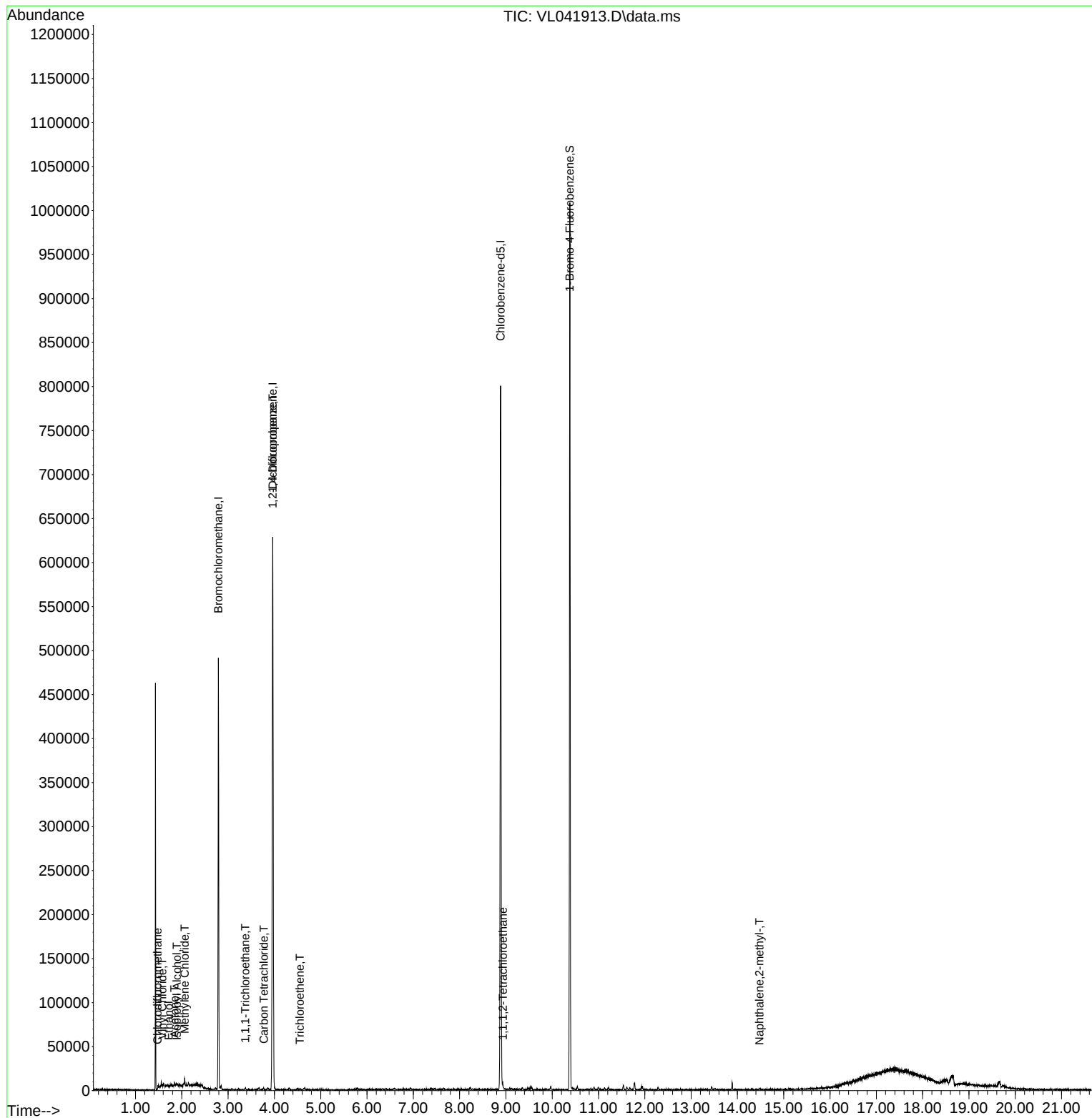
Internal Standards						
1) Bromochloromethane	2.790	49	126935	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	367914	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.885	117	320329	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	249196	9.877	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	665	0.037	ppbv #	87
5) Vinyl Chloride	1.580	62	261	0.040	ppbv #	76
13) Ethanol	1.719	45	293	0.536	ppbv	90
15) Acetone	1.839	43	1813	0.119	ppbv #	82
19) Isopropyl Alcohol	1.890	45	1019	0.113	ppbv #	50
20) Methylene Chloride	2.062	84	1246	0.207	ppbv #	85
32) 1,1,1-Trichloroethane	3.373	97	388	0.016	ppbv #	20
35) Carbon Tetrachloride	3.771	117	330	0.014	ppbv #	8
38) Trichloroethene	4.548	130	160	0.012	ppbv #	24
39) 1,2-Dichloropropane	3.965	63	91892	7.763	ppbv #	21
56) 1,1,1,2-Tetrachloroethane	8.936	131	157	0.010	ppbv #	9
80) Naphthalene,2-methyl-	14.478	142	318	0.015	ppbv	88

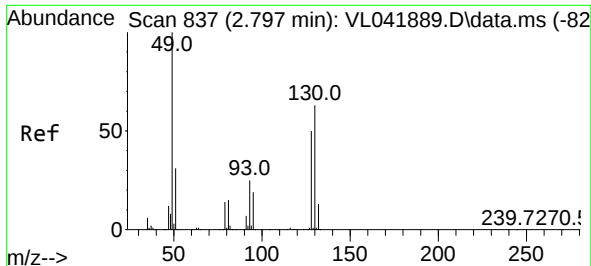
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 04:26:40 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

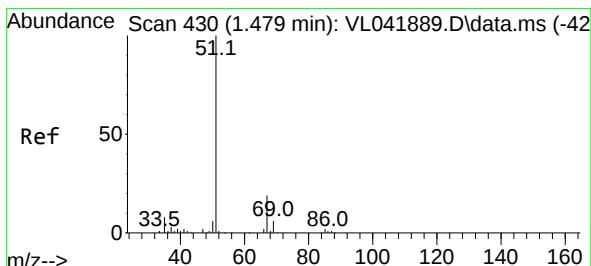
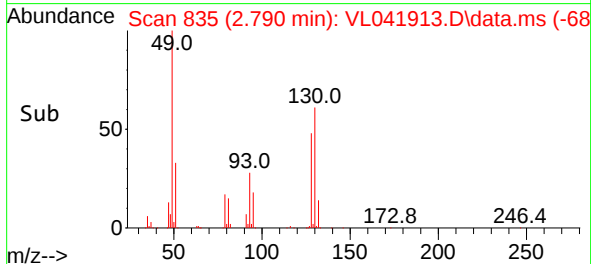
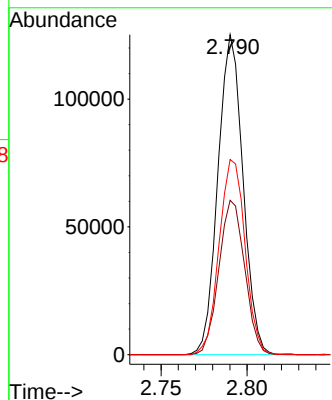
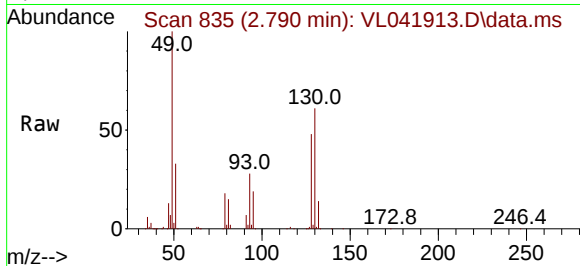




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

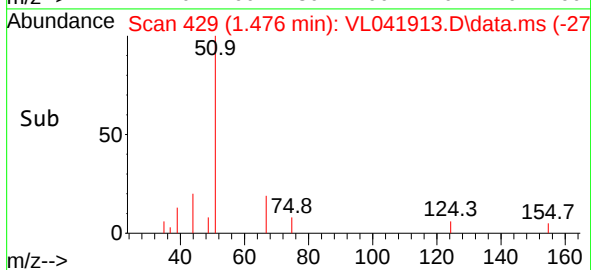
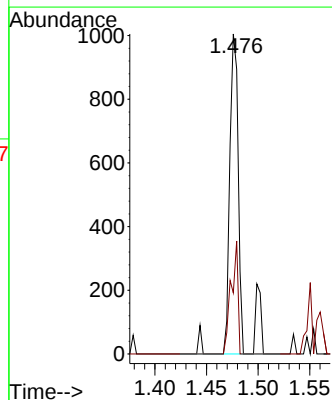
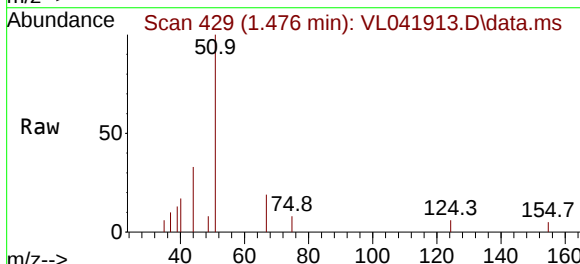
Instrument :
MSVOA_L
ClientSampleId :

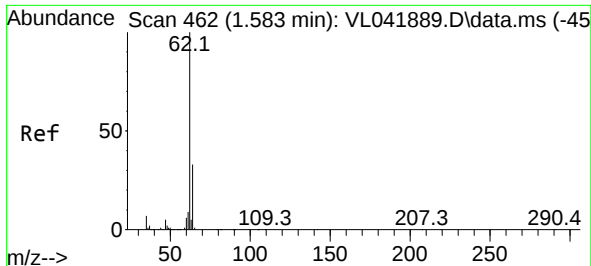
Tgt Ion: 49 Resp: 126935
Ion Ratio Lower Upper
49 100
128 49.7 24.3 73.0
130 63.1 31.1 93.2



#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Tgt Ion: 51 Resp: 665
Ion Ratio Lower Upper
51 100
67 24.7 15.0 22.4#

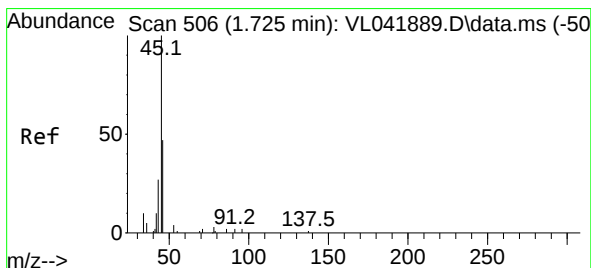
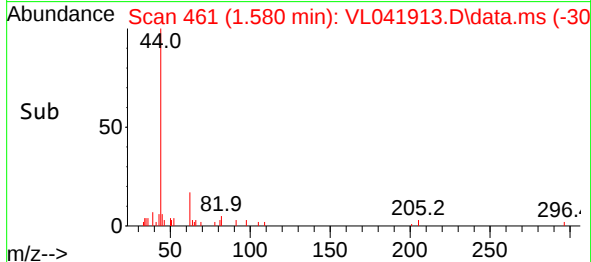
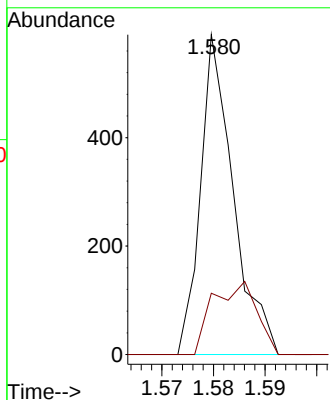
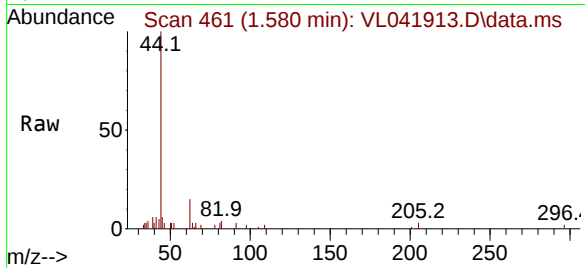




#5
 Vinyl Chloride
 Concen: 0.040 ppbv
 RT: 1.580 min Scan# 4
 Delta R.T. -0.003 min
 Lab File: VL041913.D
 Acq: 15 Jan 2025 02:53

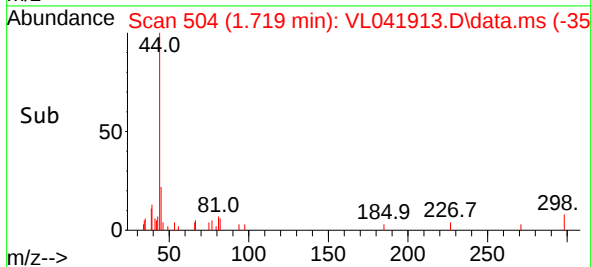
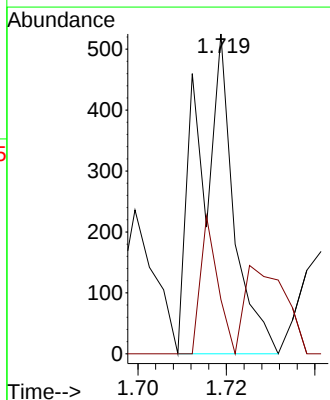
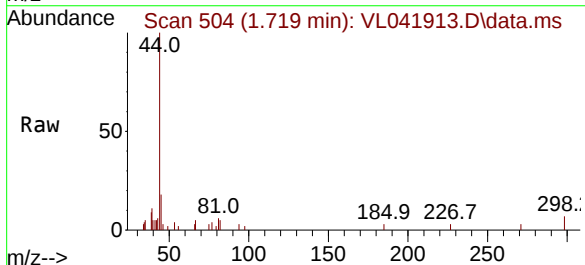
Instrument :
 MSVOA_L
 ClientSampleId :

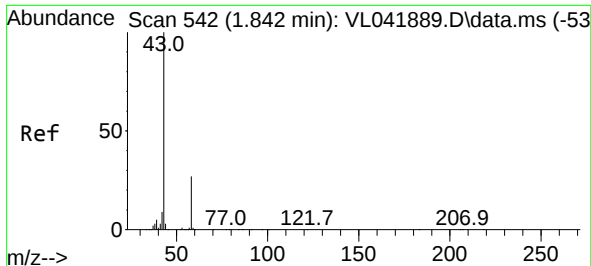
Tgt Ion: 62 Resp: 261
 Ion Ratio Lower Upper
 62 100
 64 19.2 26.1 39.1#



#13
 Ethanol
 Concen: 0.536 ppbv
 RT: 1.719 min Scan# 504
 Delta R.T. -0.007 min
 Lab File: VL041913.D
 Acq: 15 Jan 2025 02:53

Tgt Ion: 45 Resp: 293
 Ion Ratio Lower Upper
 45 100
 46 51.9 18.1 72.5

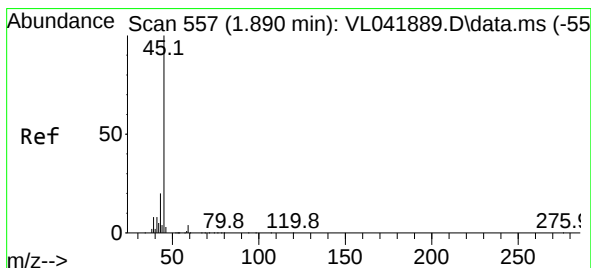
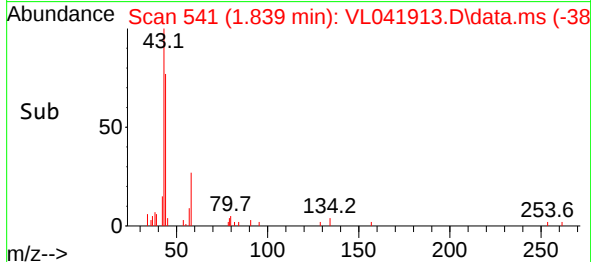
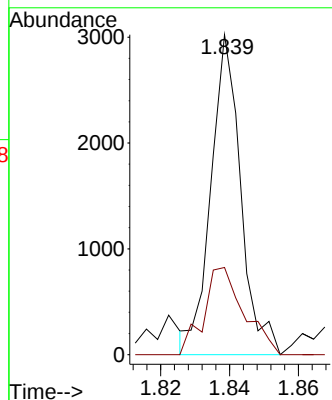
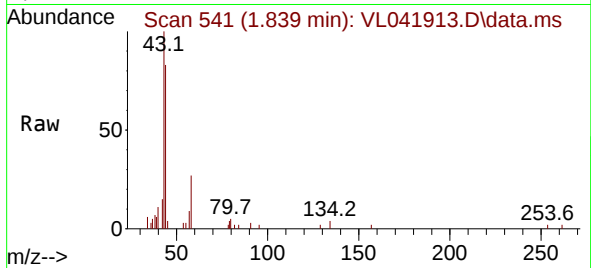




#15
Acetone
Concen: 0.119 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

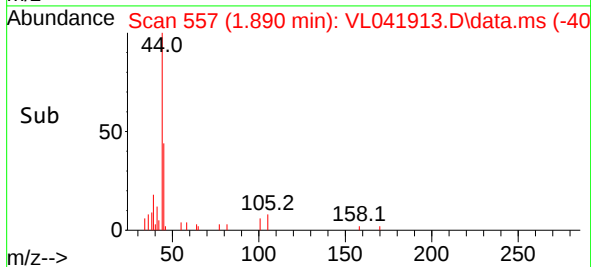
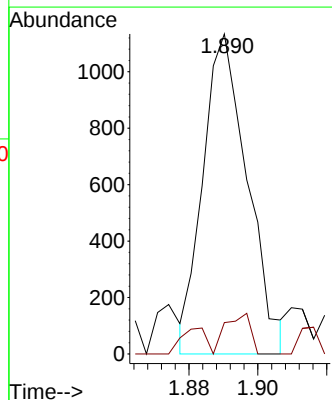
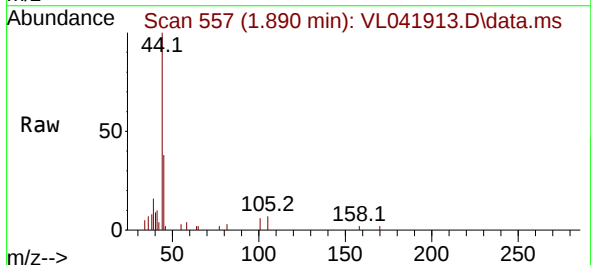
Instrument :
MSVOA_L
ClientSampleId :

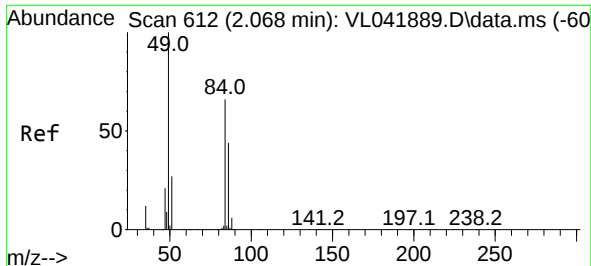
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
58 36.7 21.9 32.9#



#19
Isopropyl Alcohol
Concen: 0.113 ppbv
RT: 1.890 min Scan# 557
Delta R.T. -0.000 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Tgt Ion: 45 Resp: 1019
Ion Ratio Lower Upper
45 100
58 11.6 35.0 52.6#





#20

Methylene Chloride

Concen: 0.207 ppbv

RT: 2.062 min Scan# 61

Delta R.T. -0.007 min

Lab File: VL041913.D

Acq: 15 Jan 2025 02:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 84 Resp: 1246

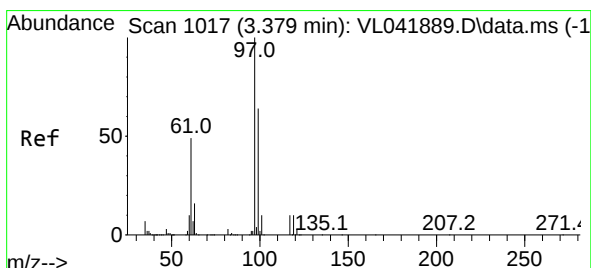
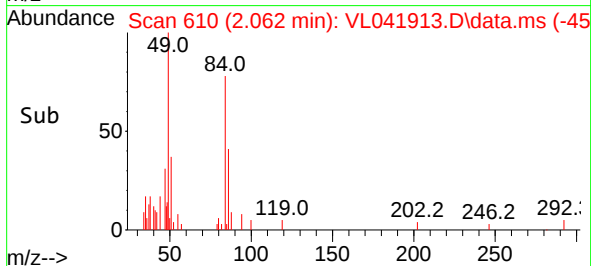
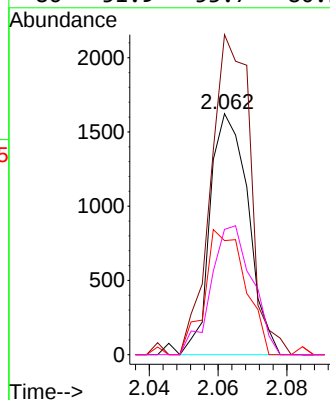
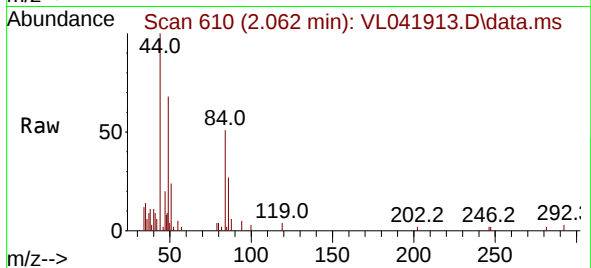
Ion Ratio Lower Upper

84 100

49 132.8 123.1 184.7

51 47.3 35.8 53.8

86 51.9 53.7 80.5#



#32

1,1,1-Trichloroethane

Concen: 0.016 ppbv

RT: 3.373 min Scan# 1015

Delta R.T. -0.007 min

Lab File: VL041913.D

Acq: 15 Jan 2025 02:53

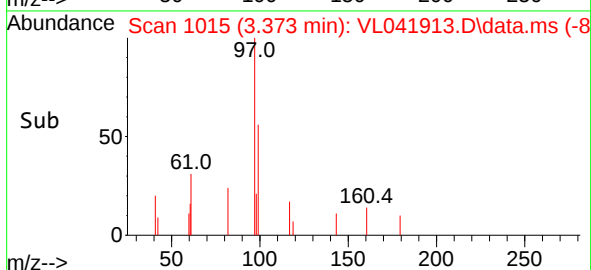
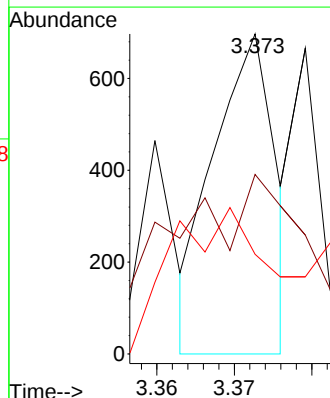
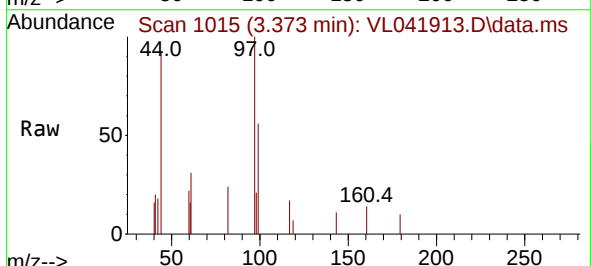
Tgt Ion: 97 Resp: 388

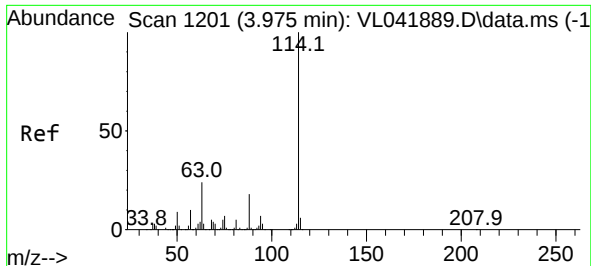
Ion Ratio Lower Upper

97 100

99 131.2 51.1 76.7#

61 97.2 39.0 58.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.013 min

Lab File: VL041913.D

Acq: 15 Jan 2025 02:53

Instrument :

MSVOA_L

ClientSampleId :

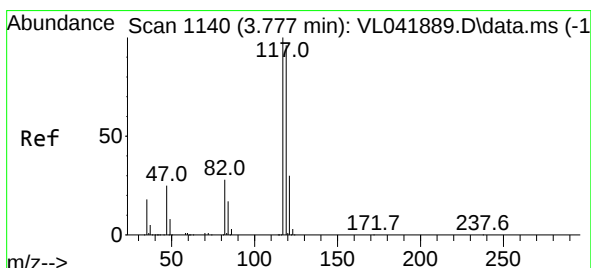
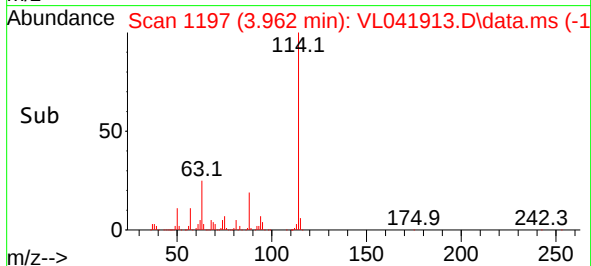
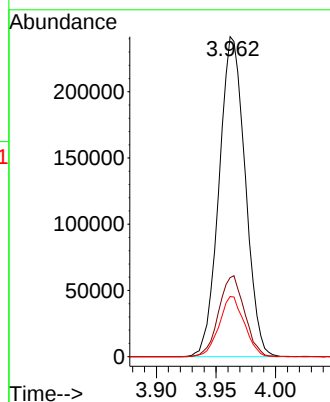
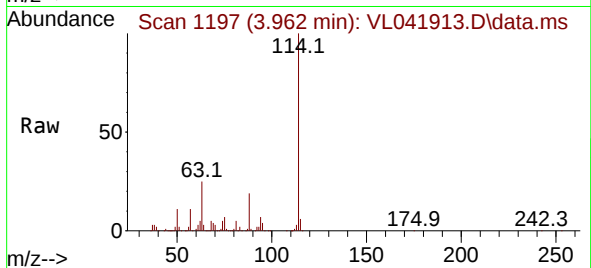
Tgt Ion:114 Resp: 367914

Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.6

88 18.1 14.4 21.6



#35

Carbon Tetrachloride

Concen: 0.014 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. -0.007 min

Lab File: VL041913.D

Acq: 15 Jan 2025 02:53

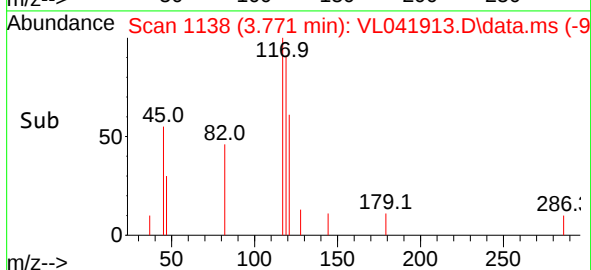
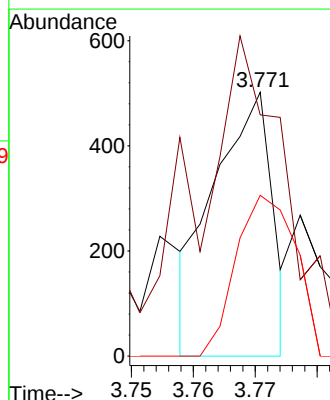
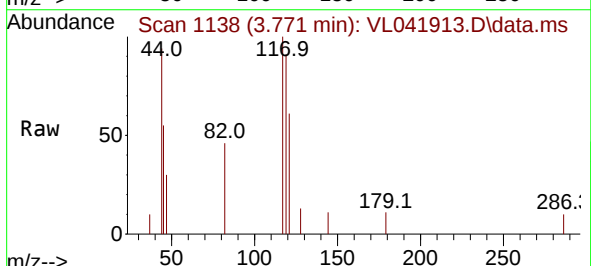
Tgt Ion:117 Resp: 330

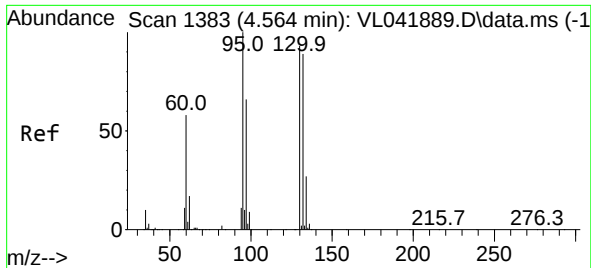
Ion Ratio Lower Upper

117 100

119 12.7 76.9 115.3#

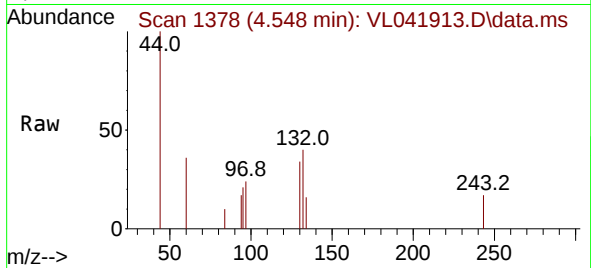
121 90.5 23.8 35.6#



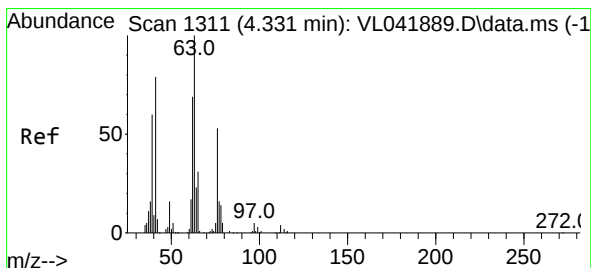
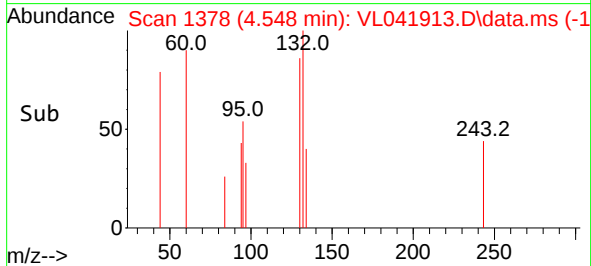
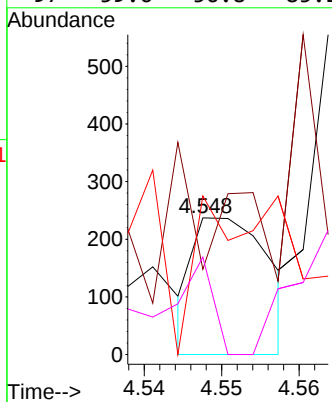


#38
Trichloroethene
Concen: 0.012 ppbv
RT: 4.548 min Scan# 1198
Delta R.T. -0.016 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Instrument :
MSVOA_L
ClientSampleId :

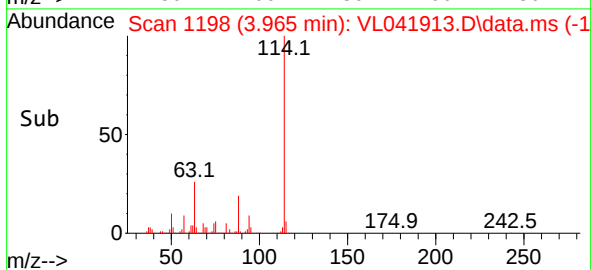
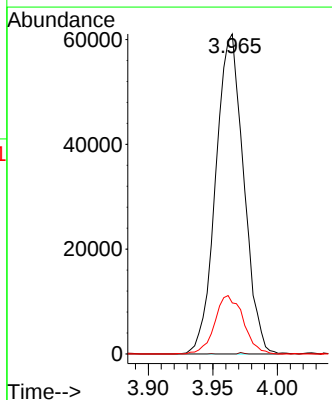
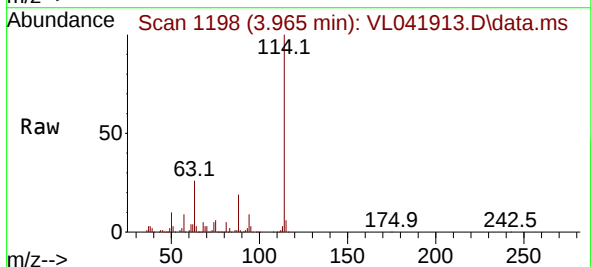


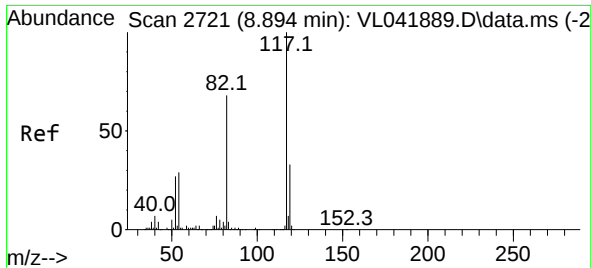
Tgt Ion:	130	Resp:	160
Ion	Ratio	Lower	Upper
130	100		
95	15.4	85.8	128.8#
132	202.2	76.5	114.7#
97	59.6	56.8	85.2



#39
1,2-Dichloropropane
Concen: 7.763 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.366 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Tgt Ion:	63	Resp:	91892
Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.7	95.5#
62	15.9	55.4	83.2#

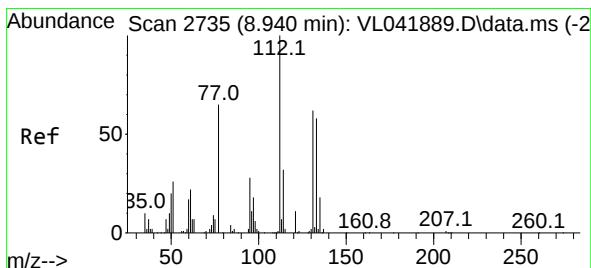
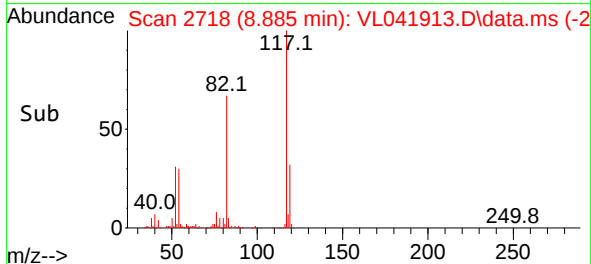
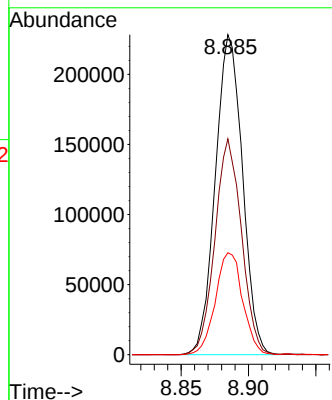
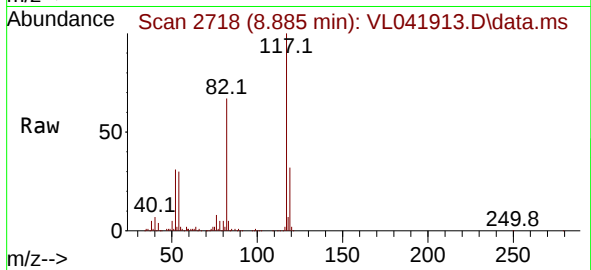




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

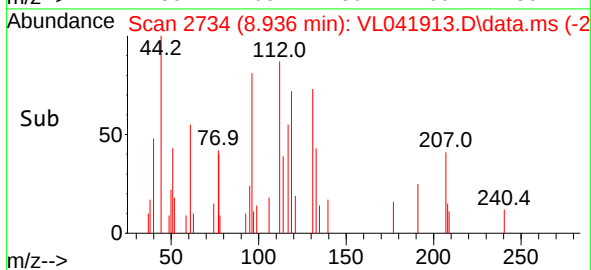
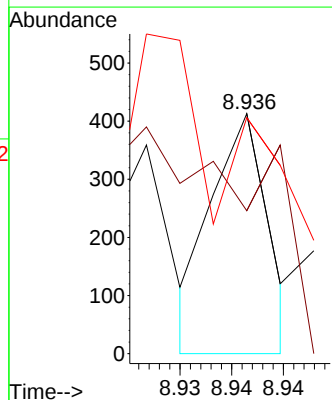
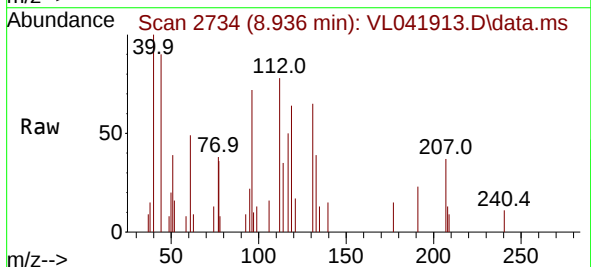
Instrument :
MSVOA_L
ClientSampleId :

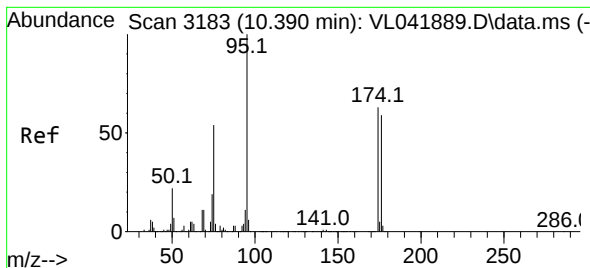
Tgt Ion:117 Resp: 320329
Ion Ratio Lower Upper
117 100
82 66.0 54.2 81.4
119 32.2 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.010 ppbv
RT: 8.936 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Tgt Ion:131 Resp: 157
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 49.7 74.5#

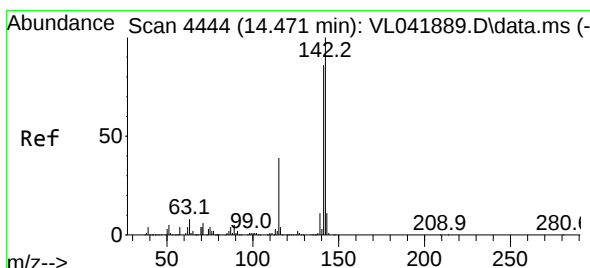
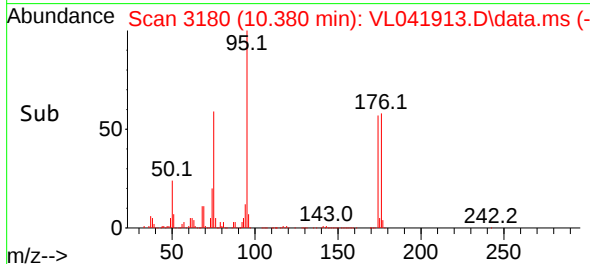
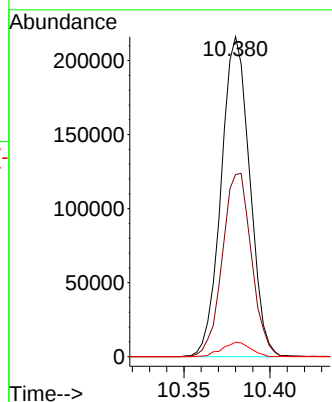
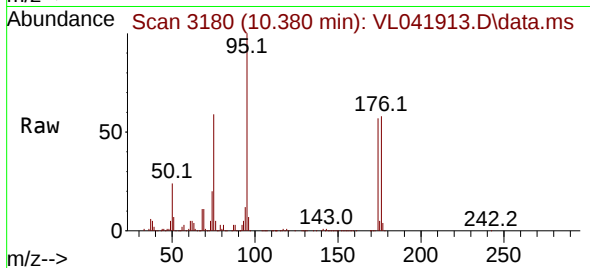




#68
1-Bromo-4-Fluorobenzene
Concen: 9.877 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.010 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 249196
Ion Ratio Lower Upper
95 100
174 58.6 49.0 73.4
175 4.5 3.8 5.8



#80
Naphthalene,2-methyl-
Concen: 0.015 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.006 min
Lab File: VL041913.D
Acq: 15 Jan 2025 02:53

Tgt Ion:142 Resp: 318
Ion Ratio Lower Upper
142 100
141 69.5 68.1 102.1
115 41.2 31.7 47.5

