

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041914.D
 Acq On : 15 Jan 2025 03:23
 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 04:27:04 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	123937	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	354756	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.885	117	311566	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	246906	10.061	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

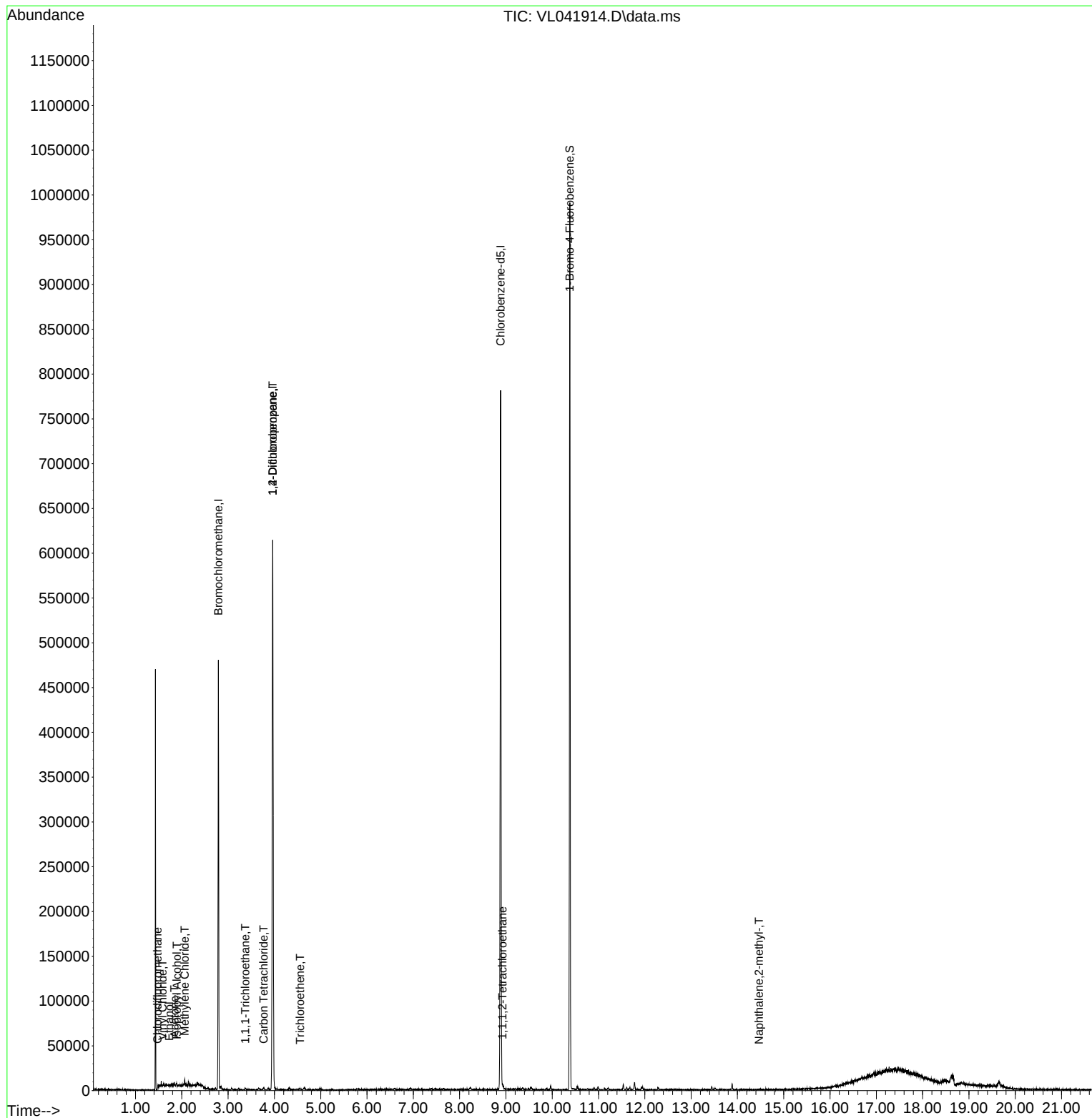
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.476	51	792	0.045	ppbv #	91
5) Vinyl Chloride	1.583	62	205	0.032	ppbv #	82
13) Ethanol	1.725	45	88	0.165	ppbv #	51
15) Acetone	1.839	43	1798	0.121	ppbv	93
19) Isopropyl Alcohol	1.890	45	997	0.113	ppbv #	32
20) Methylene Chloride	2.062	84	1109	0.189	ppbv #	80
32) 1,1,1-Trichloroethane	3.373	97	590	0.025	ppbv #	26
35) Carbon Tetrachloride	3.768	117	508	0.023	ppbv #	55
38) Trichloroethene	4.554	130	187	0.014	ppbv #	22
39) 1,2-Dichloropropane	3.962	63	89712	7.860	ppbv #	23
56) 1,1,1,2-Tetrachloroethane	8.924	131	315	0.020	ppbv #	9
80) Naphthalene,2-methyl-	14.468	142	218	0.010	ppbv	88

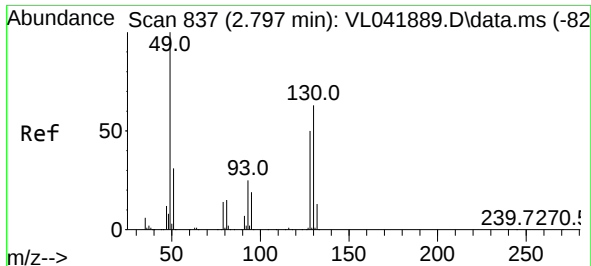
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041914.D
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Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 15 04:27:04 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

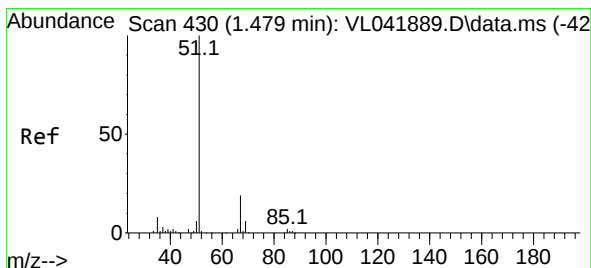
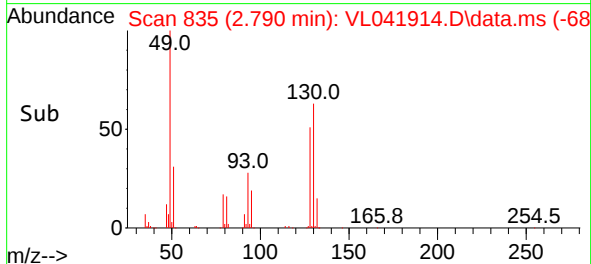
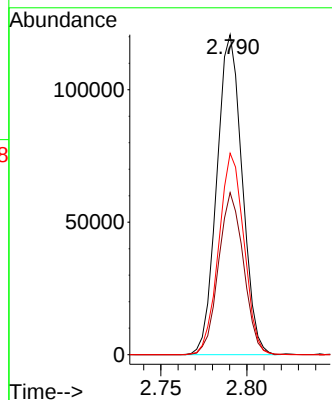
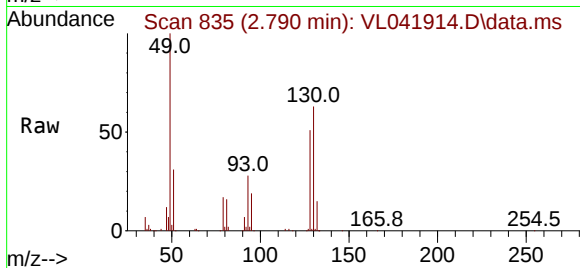




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

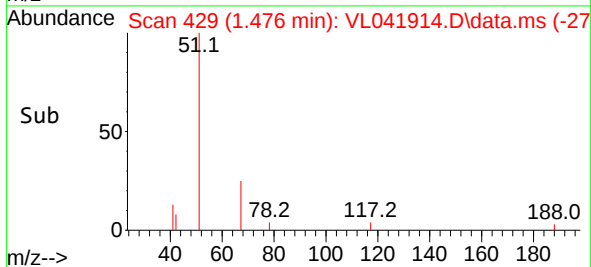
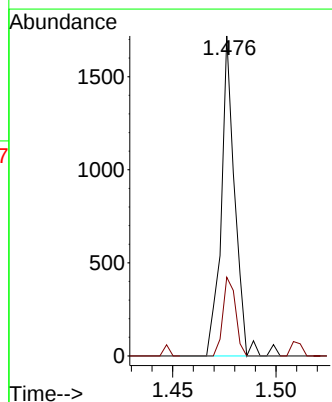
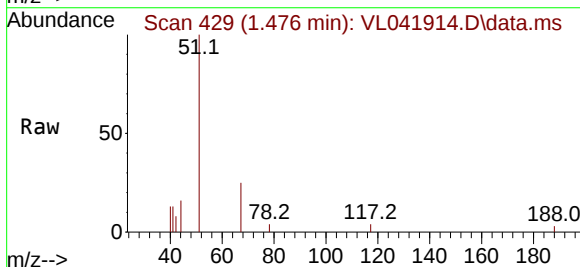
Instrument :
MSVOA_L
ClientSampleId :

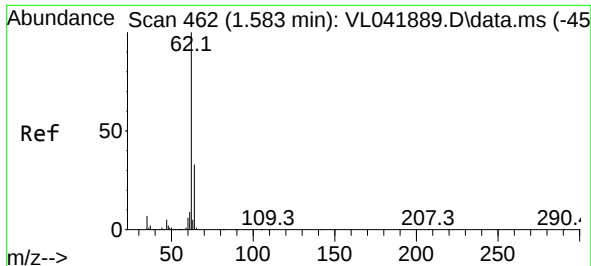
Tgt Ion: 49 Resp: 123937
Ion Ratio Lower Upper
49 100
128 49.9 24.3 73.0
130 62.5 31.1 93.2



#3
Chlorodifluoromethane
Concen: 0.045 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

Tgt Ion: 51 Resp: 792
Ion Ratio Lower Upper
51 100
67 22.9 15.0 22.4#

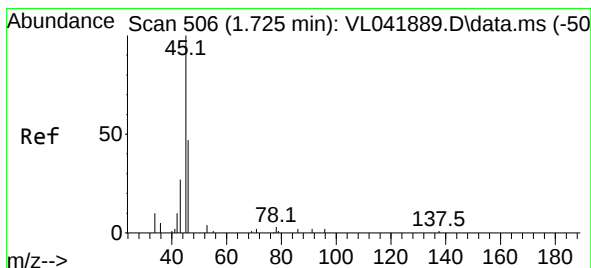
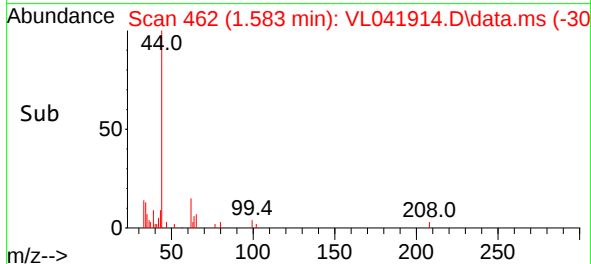
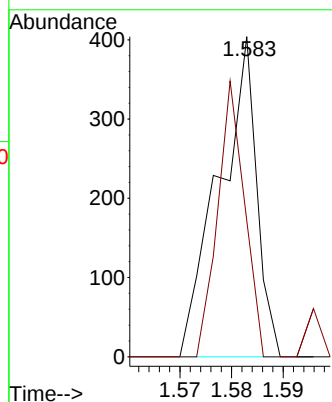
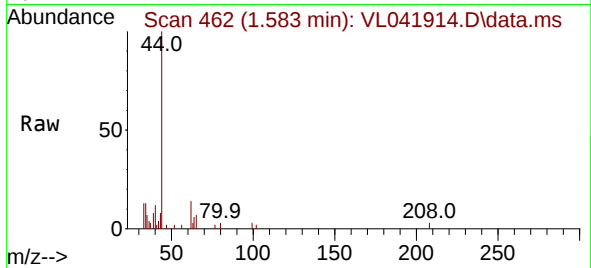




#5
 Vinyl Chloride
 Concen: 0.032 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041914.D
 Acq: 15 Jan 2025 03:23

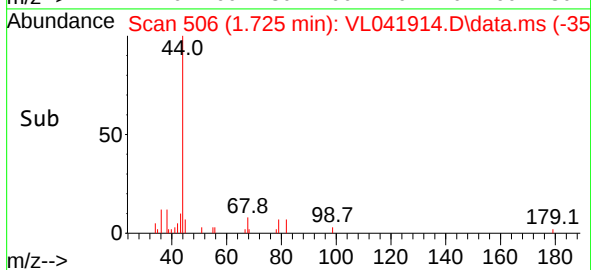
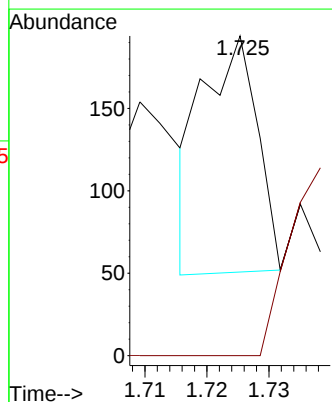
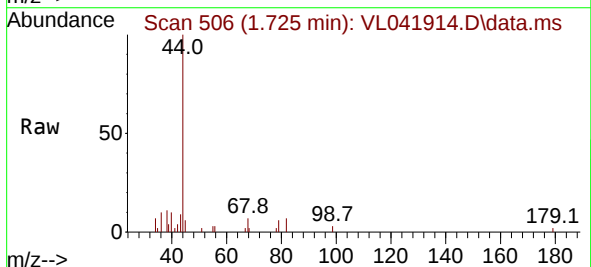
Instrument :
 MSVOA_L
 ClientSampleId :

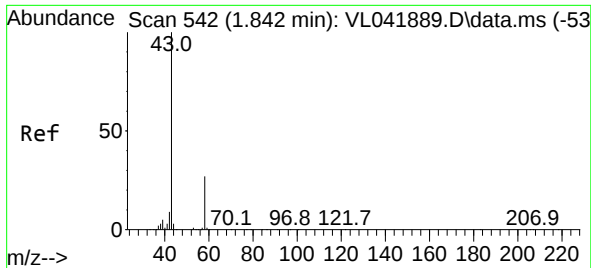
Tgt Ion: 62 Resp: 205
 Ion Ratio Lower Upper
 62 100
 64 42.6 26.1 39.1#



#13
 Ethanol
 Concen: 0.165 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.000 min
 Lab File: VL041914.D
 Acq: 15 Jan 2025 03:23

Tgt Ion: 45 Resp: 88
 Ion Ratio Lower Upper
 45 100
 46 77.3 18.1 72.5#

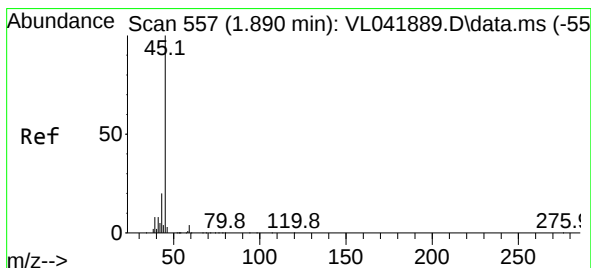
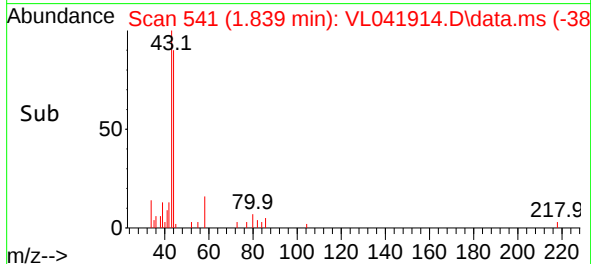
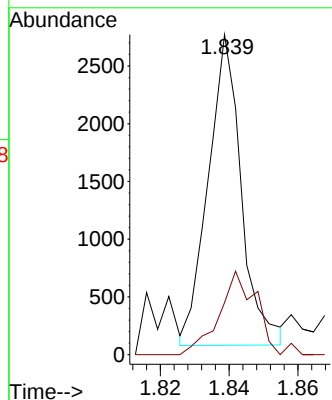
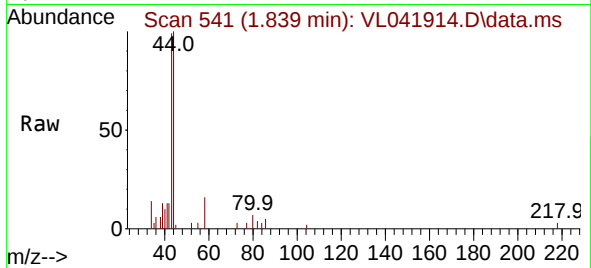




#15
Acetone
Concen: 0.121 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

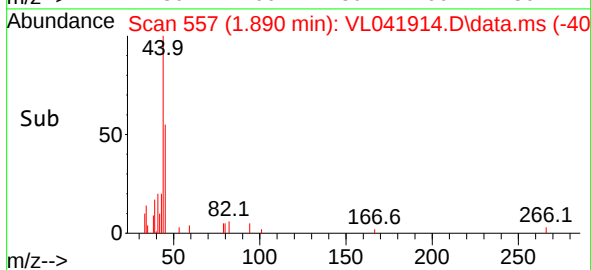
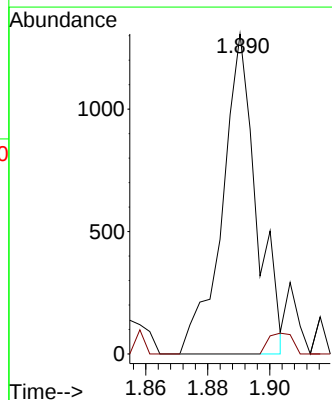
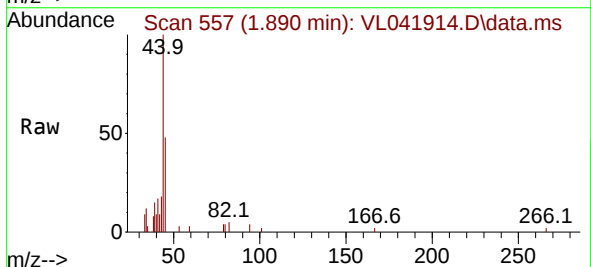
Instrument :
MSVOA_L
ClientSampleId :

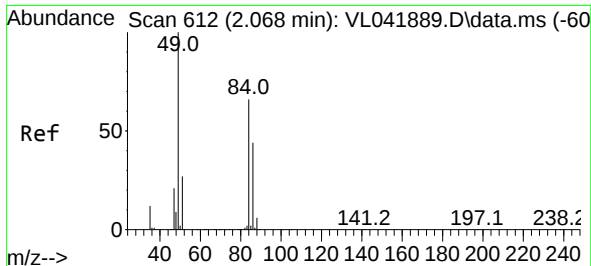
Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9



#19
Isopropyl Alcohol
Concen: 0.113 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

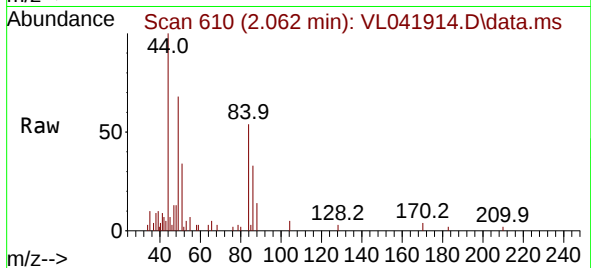
Tgt Ion: 45 Resp: 997
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#





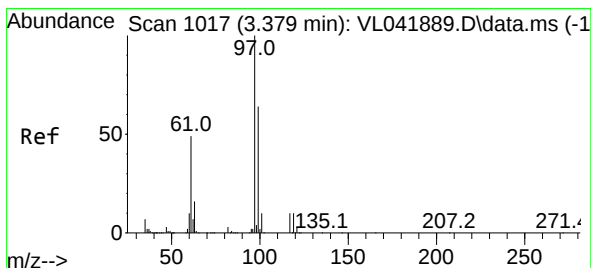
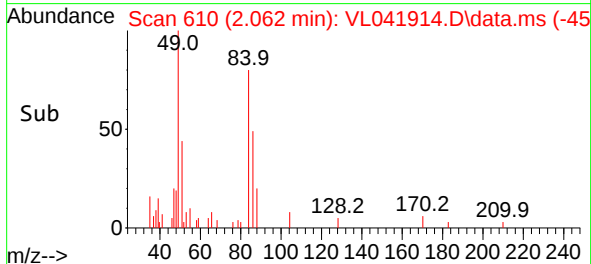
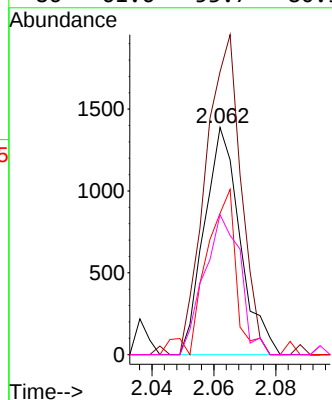
#20
Methylene Chloride
Concen: 0.189 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 1109

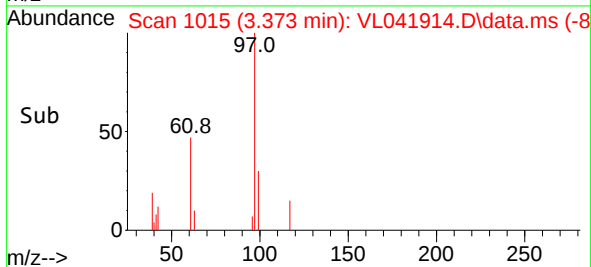
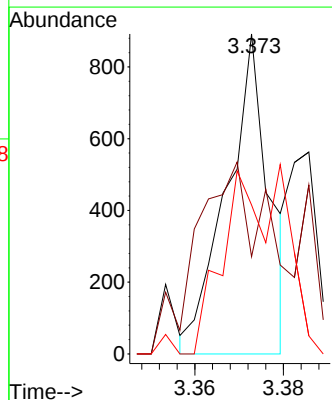
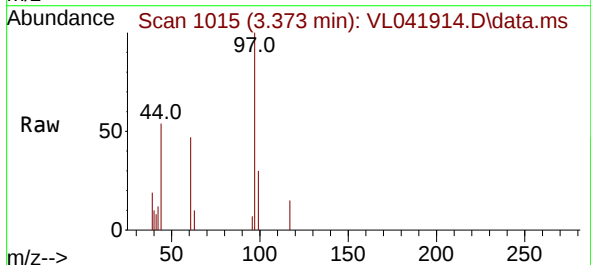
Ion	Ratio	Lower	Upper
84	100		
49	124.5	123.1	184.7
51	66.1	35.8	53.8#
86	61.6	53.7	80.5

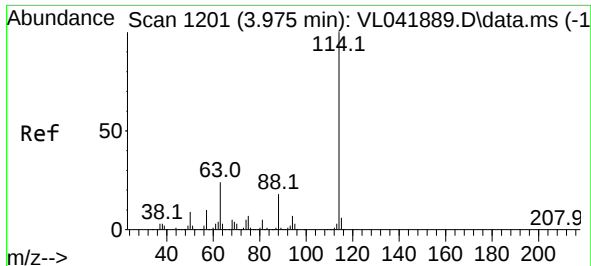


#32
1,1,1-Trichloroethane
Concen: 0.025 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

Tgt Ion: 97 Resp: 590

Ion	Ratio	Lower	Upper
97	100		
99	123.6	51.1	76.7#
61	0.0	39.0	58.6#

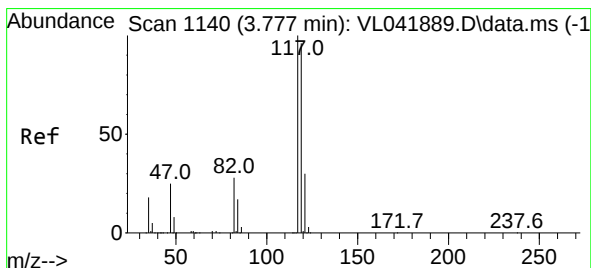
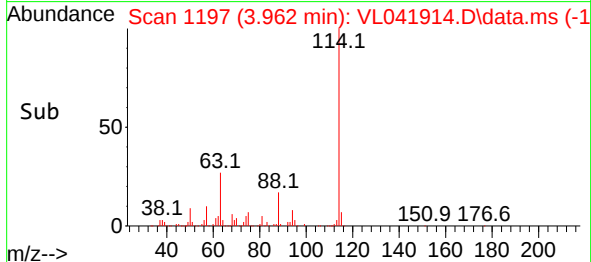
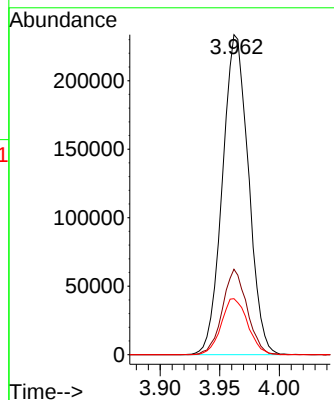
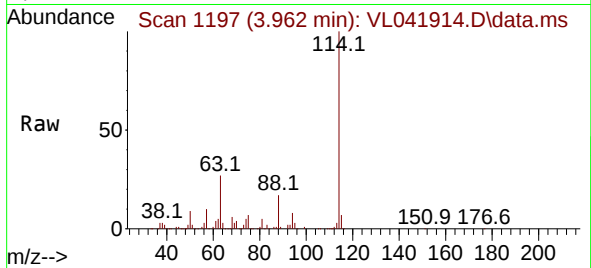




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.013 min
 Lab File: VL041914.D
 Acq: 15 Jan 2025 03:23

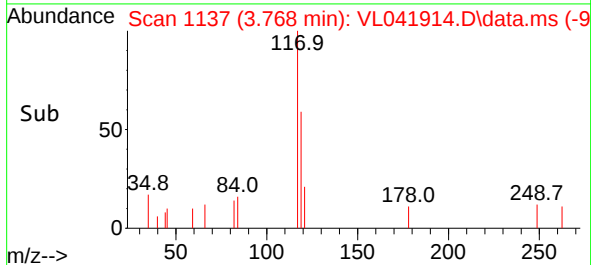
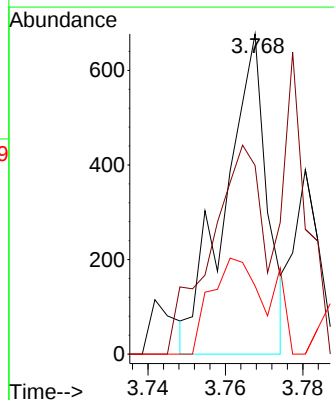
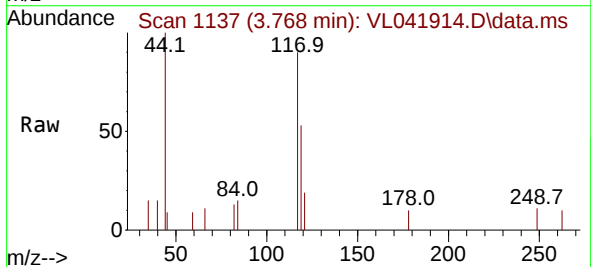
Instrument :
 MSVOA_L
 ClientSampleId :

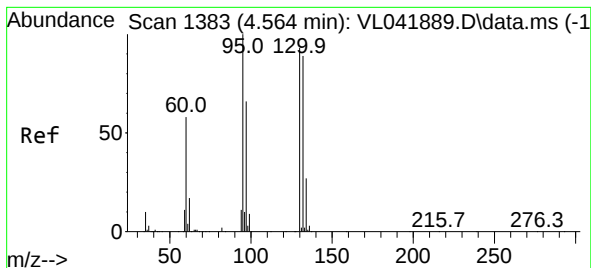
Tgt Ion:114 Resp: 354756
 Ion Ratio Lower Upper
 114 100
 63 25.3 19.8 29.6
 88 17.8 14.4 21.6



#35
 Carbon Tetrachloride
 Concen: 0.023 ppbv
 RT: 3.768 min Scan# 1137
 Delta R.T. -0.010 min
 Lab File: VL041914.D
 Acq: 15 Jan 2025 03:23

Tgt Ion:117 Resp: 508
 Ion Ratio Lower Upper
 117 100
 119 42.3 76.9 115.3#
 121 23.7 23.8 35.6#





#38

Trichloroethene

Concen: 0.014 ppbv

RT: 4.554 min Scan# 1197

Delta R.T. -0.010 min

Lab File: VL041914.D

Acq: 15 Jan 2025 03:23

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 187

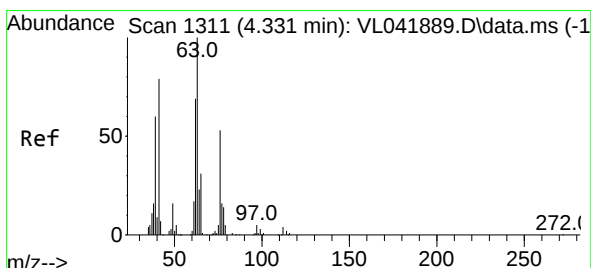
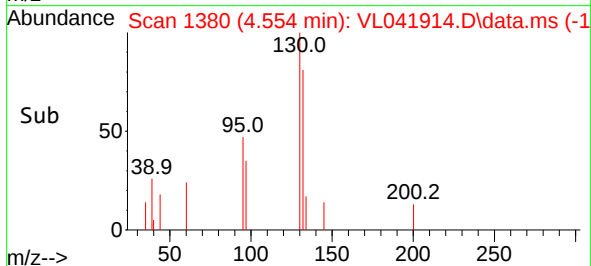
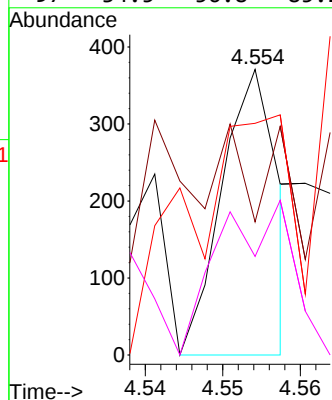
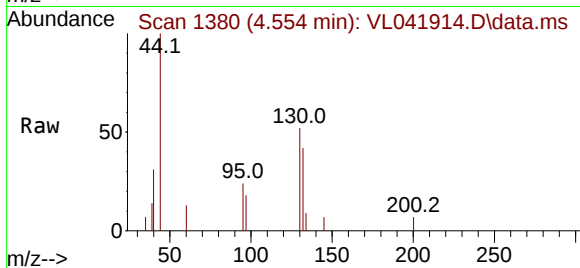
Ion Ratio Lower Upper

130 100

95 0.0 85.8 128.8#

132 22.6 76.5 114.7#

97 34.5 56.8 85.2#



#39

1,2-Dichloropropane

Concen: 7.860 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.369 min

Lab File: VL041914.D

Acq: 15 Jan 2025 03:23

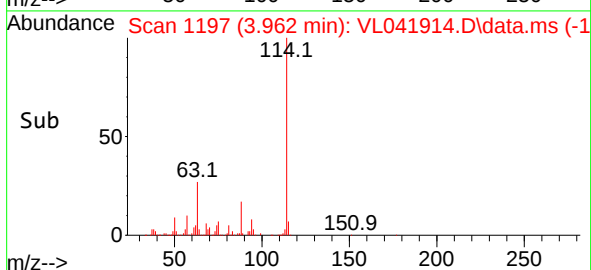
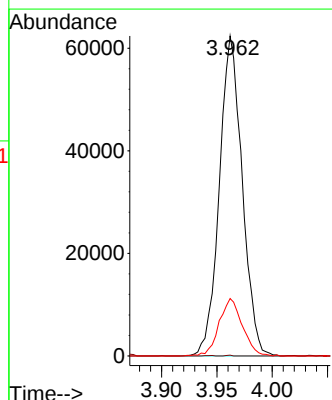
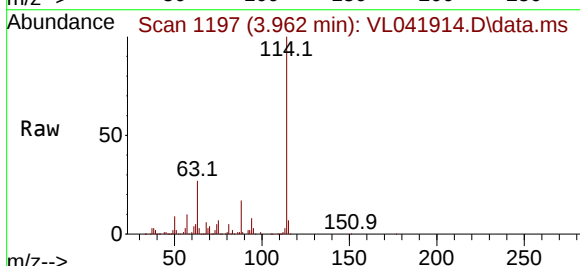
Tgt Ion: 63 Resp: 89712

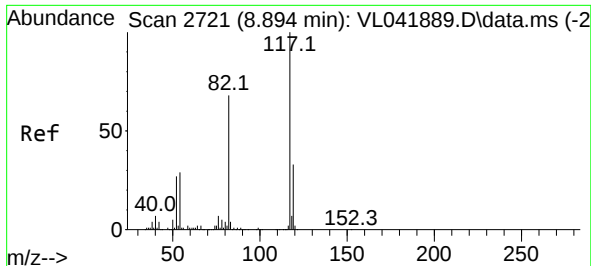
Ion Ratio Lower Upper

63 100

41 0.2 63.7 95.5#

62 18.0 55.4 83.2#

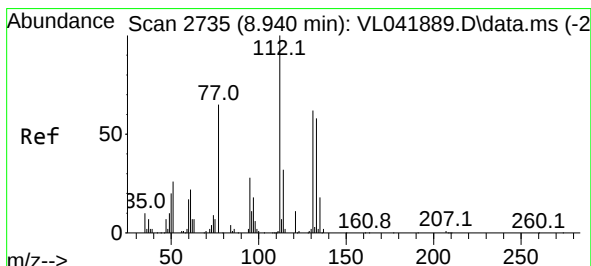
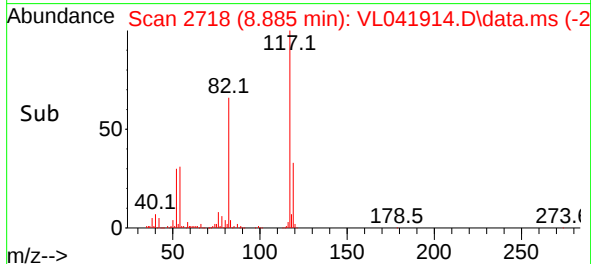
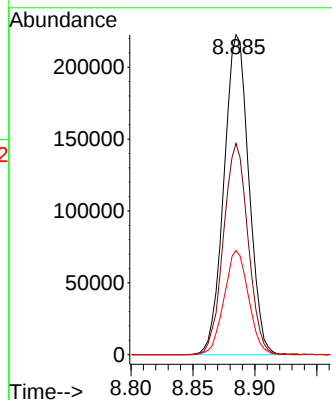
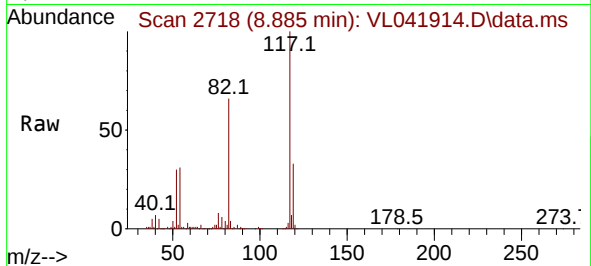




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

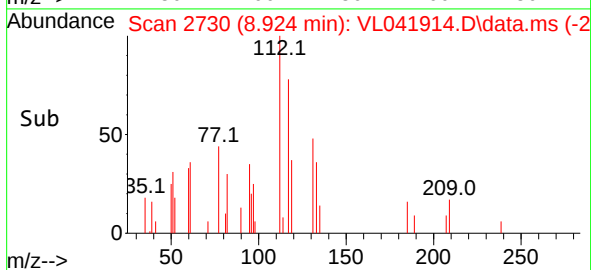
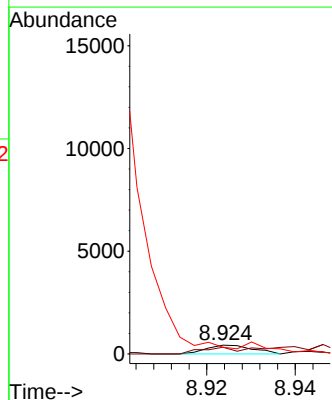
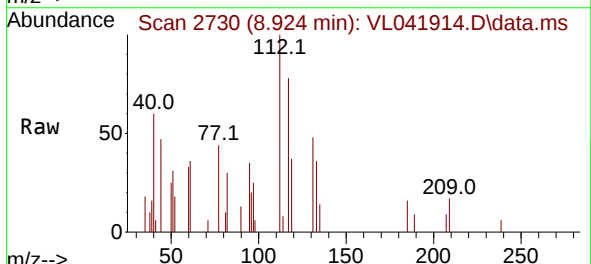
Instrument :
MSVOA_L
ClientSampleId :

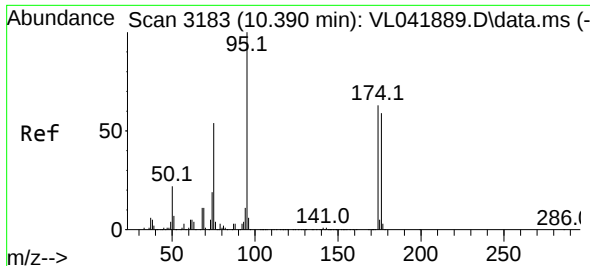
Tgt Ion:117 Resp: 311566
Ion Ratio Lower Upper
117 100
82 65.2 54.2 81.4
119 32.1 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.020 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.016 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

Tgt Ion:131 Resp: 315
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 49.7 74.5#

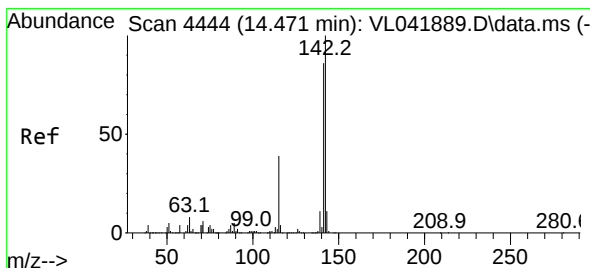
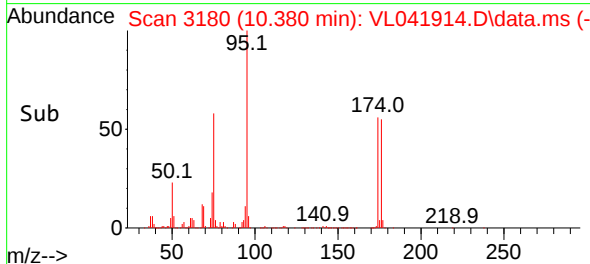
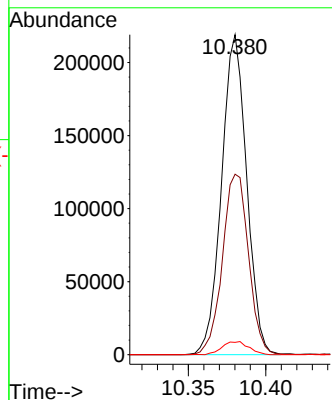
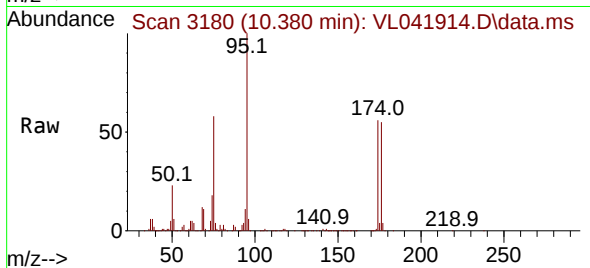




#68
1-Bromo-4-Fluorobenzene
Concen: 10.061 ppbv
RT: 10.380 min Scan# 3183
Delta R.T. -0.010 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 246906
Ion Ratio Lower Upper
95 100
174 58.7 49.0 73.4
175 4.3 3.8 5.8



#80
Naphthalene,2-methyl-
Concen: 0.010 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. -0.003 min
Lab File: VL041914.D
Acq: 15 Jan 2025 03:23

Tgt Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
141 98.6 68.1 102.1
115 36.2 31.7 47.5

