

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040947.D
 Acq On : 22 Dec 2023 2:05
 Operator : SY/MD
 Sample : 05848-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 03:42:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

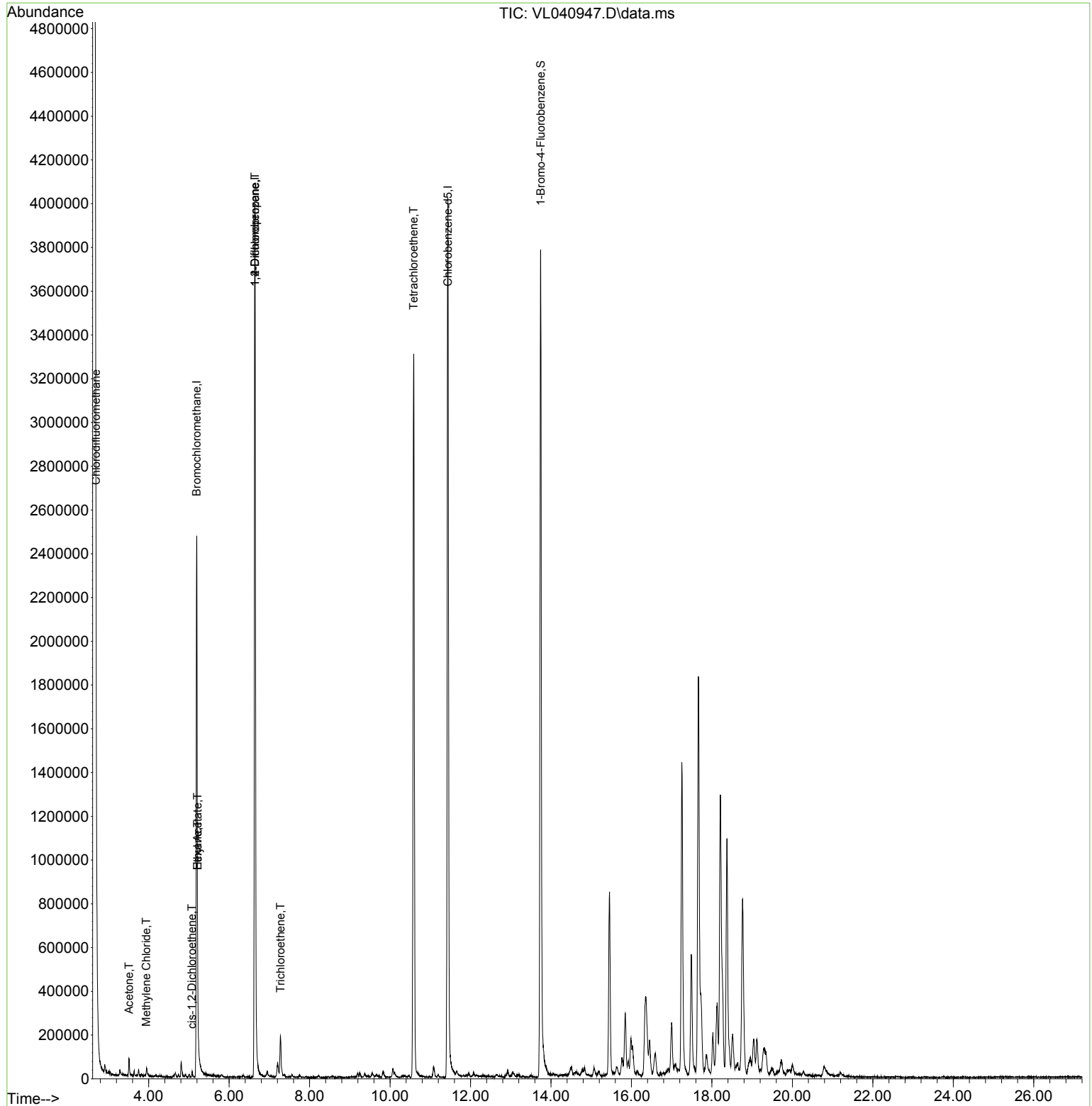
Internal Standards						
1) Bromochloromethane	5.192	49	1215686	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	3194644	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2752616	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1983210	9.781	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.690	51	34599	0.189	ppbv #	60
15) Acetone	3.510	43	50876	0.349	ppbv #	87
20) Methylene Chloride	3.944	84	5636	0.108	ppbv #	81
25) Ethyl Acetate	5.214	43	23620	0.093	ppbv #	83
26) Hexane	5.214	57	25916	0.231	ppbv #	39
31) cis-1,2-Dichloroethene	5.076	61	6282	0.055	ppbv	93
38) Trichloroethene	7.279	130	55755	0.594	ppbv	99
39) 1,2-Dichloropropane	6.642	63	754711	7.690	ppbv #	23
52) Tetrachloroethene	10.587	164	839049	9.974	ppbv	93

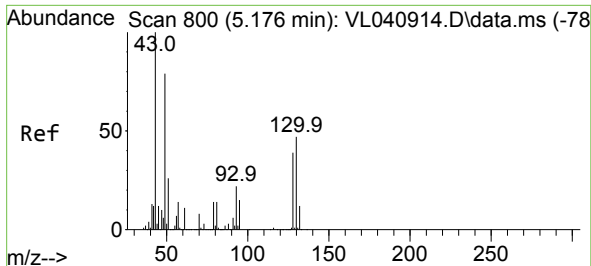
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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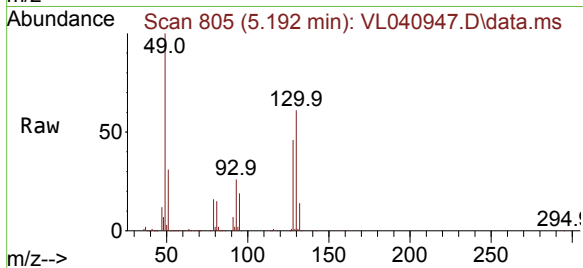
Quant Time: Dec 22 03:42:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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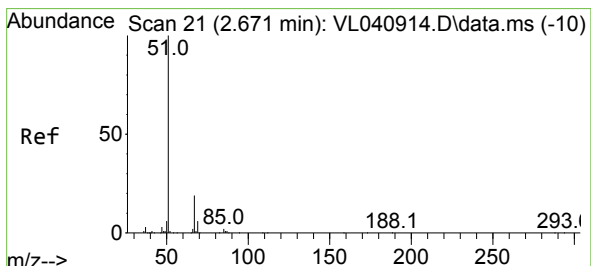
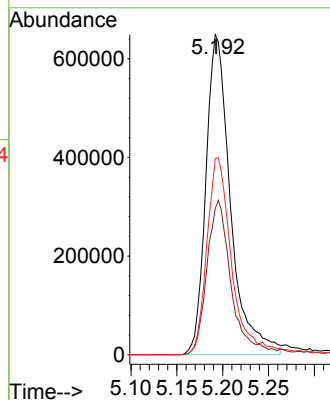
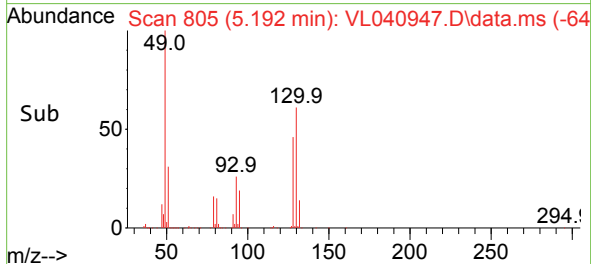


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.016 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

Instrument :
 MSVOA_L
 ClientSampleId :

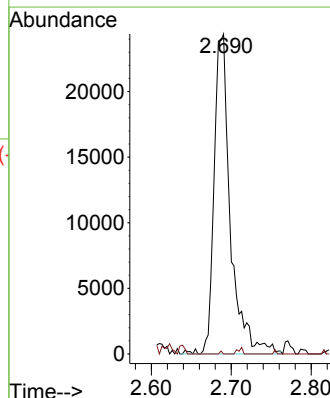
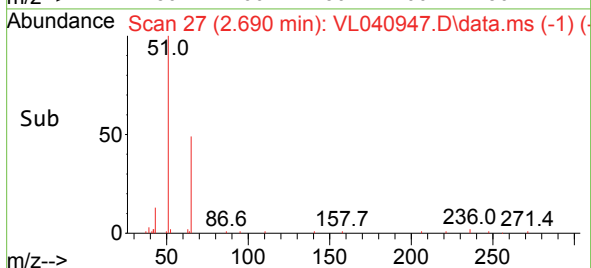
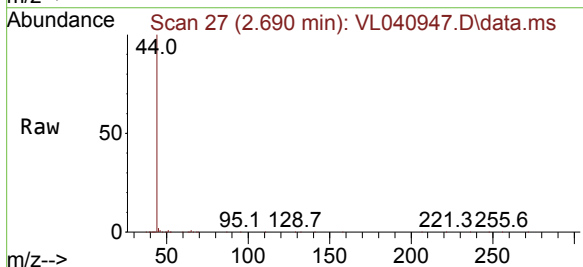


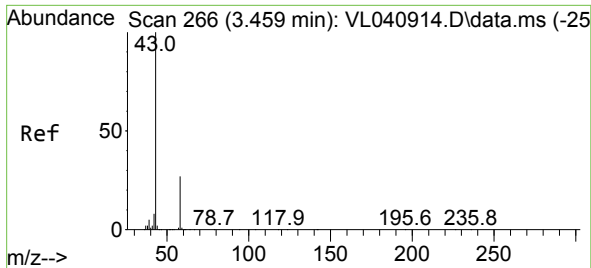
Tgt Ion: 49 Resp: 1215686
 Ion Ratio Lower Upper
 49 100
 128 49.5 23.8 71.2
 130 64.1 30.1 90.5



#3
 Chlorodifluoromethane
 Concen: 0.189 ppbv
 RT: 2.690 min Scan# 27
 Delta R.T. 0.019 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

Tgt Ion: 51 Resp: 34599
 Ion Ratio Lower Upper
 51 100
 67 0.6 14.7 22.1#

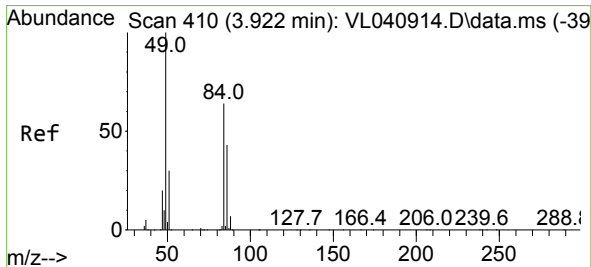
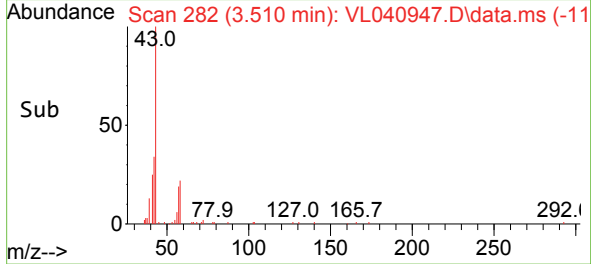
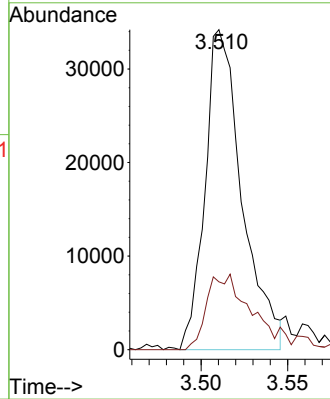
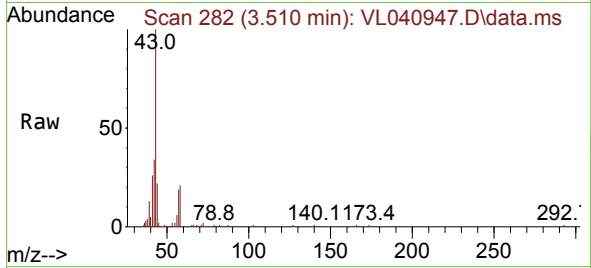




#15
Acetone
Concen: 0.349 ppbv
RT: 3.510 min Scan# 21
Delta R.T. 0.052 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

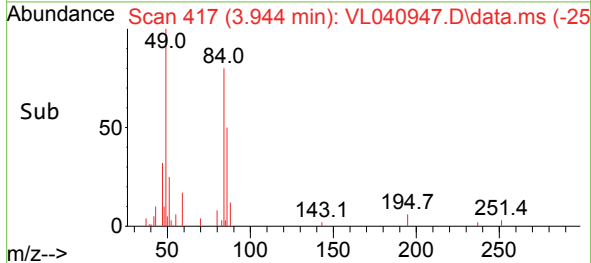
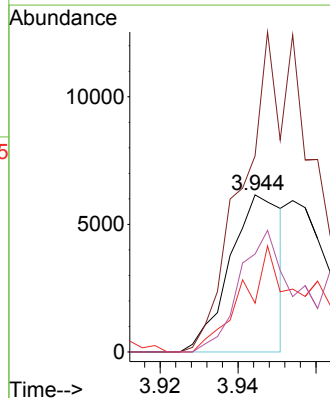
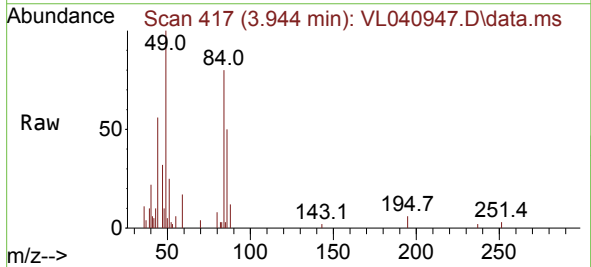
Instrument :
MSVOA_L
ClientSampleId :

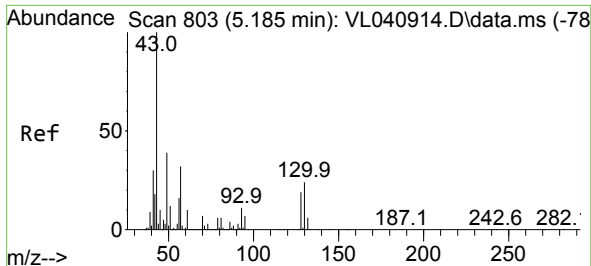
Tgt Ion: 43 Resp: 50876
Ion Ratio Lower Upper
43 100
58 32.4 20.6 30.8#



#20
Methylene Chloride
Concen: 0.108 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.023 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

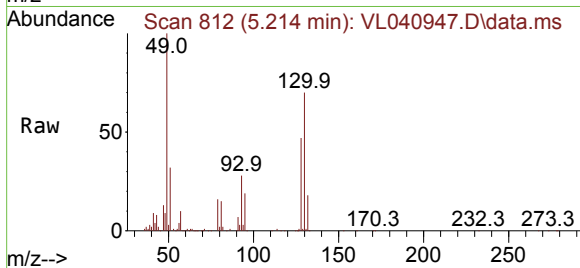
Tgt Ion: 84 Resp: 5636
Ion Ratio Lower Upper
84 100
49 124.9 124.6 187.0
51 31.1 37.2 55.8#
86 62.4 53.4 80.0



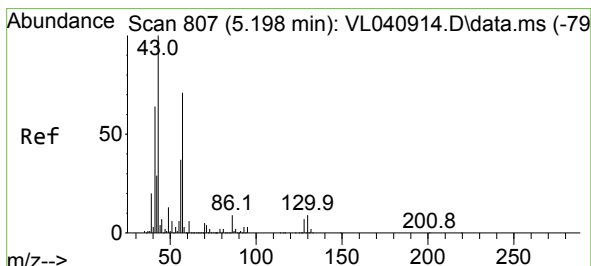
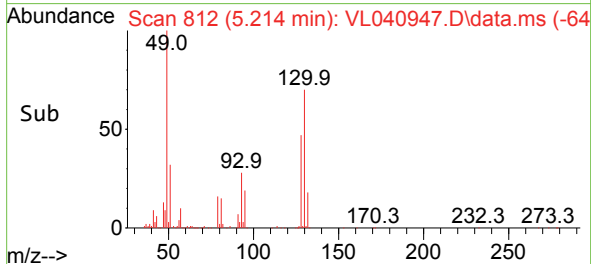
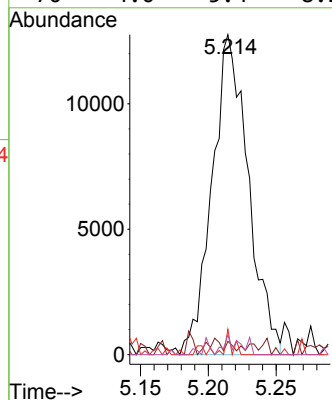


#25
Ethyl Acetate
Concen: 0.093 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.029 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

Instrument :
MSVOA_L
ClientSampleId :

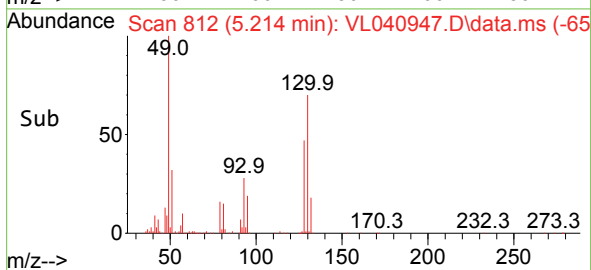
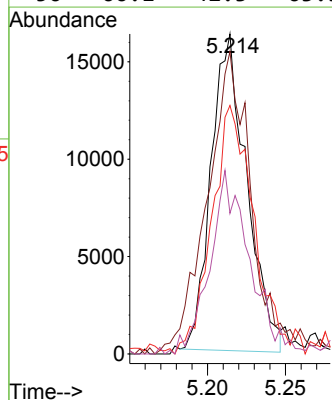
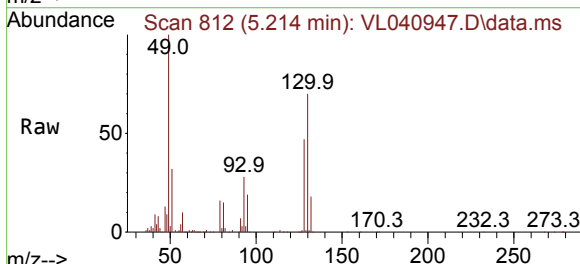


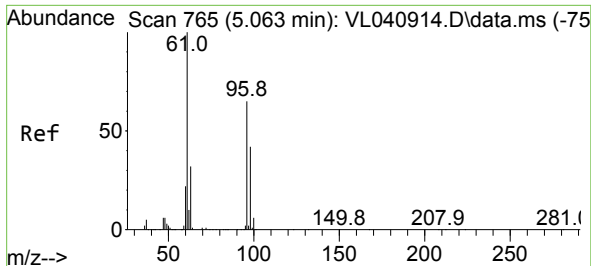
Tgt Ion: 43	Resp: 23620
Ion Ratio	Lower Upper
43 100	
45 5.1	8.2 12.2#
61 0.0	7.6 11.4#
70 4.0	5.4 8.2#



#26
Hexane
Concen: 0.231 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.016 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

Tgt Ion: 57	Resp: 25916
Ion Ratio	Lower Upper
57 100	
41 120.6	75.2 112.8#
43 94.7	188.0 282.0#
56 66.1	42.3 63.5#

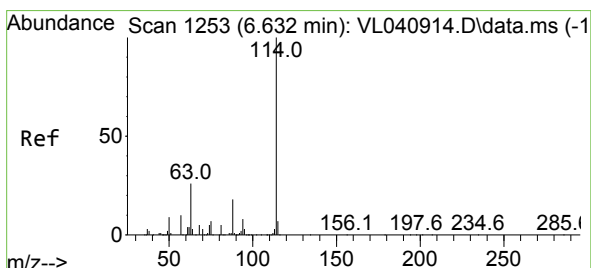
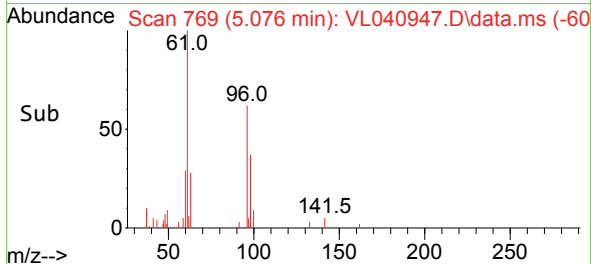
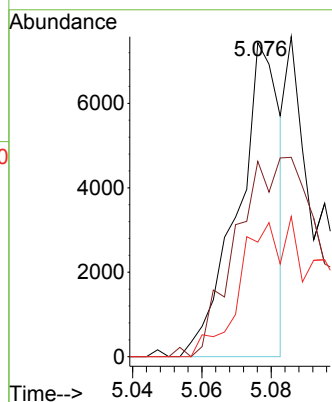
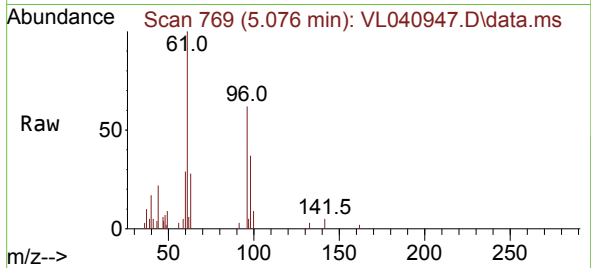




#31
 cis-1,2-Dichloroethene
 Concen: 0.055 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.013 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

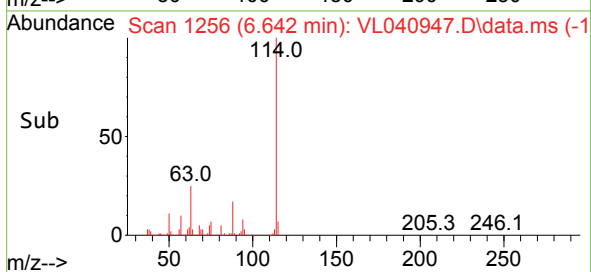
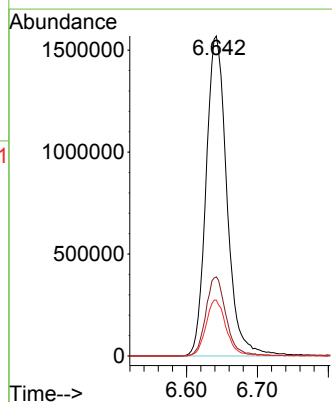
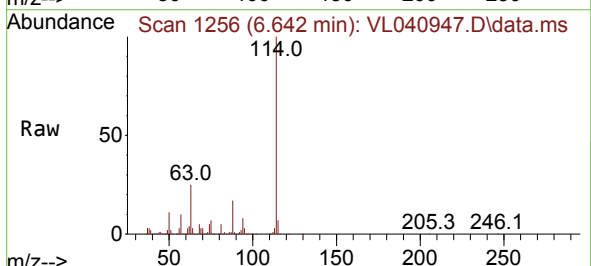
Instrument :
 MSVOA_L
 ClientSampleId :

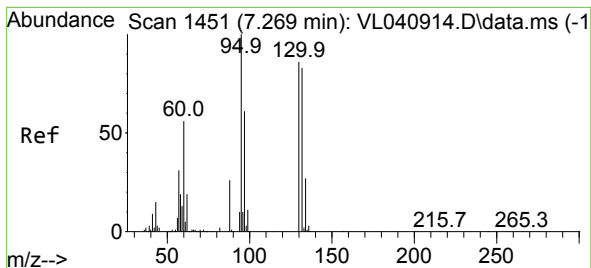
Tgt Ion: 61 Resp: 6282
 Ion Ratio Lower Upper
 61 100
 96 59.3 51.7 77.5
 98 36.5 33.2 49.8



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. 0.010 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

Tgt Ion: 114 Resp: 3194644
 Ion Ratio Lower Upper
 114 100
 63 24.3 21.0 31.6
 88 17.3 14.3 21.5





#38

Trichloroethene

Concen: 0.594 ppbv

RT: 7.279 min Scan# 1451

Delta R.T. 0.010 min

Lab File: VL040947.D

Acq: 22 Dec 2023 2:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 55755

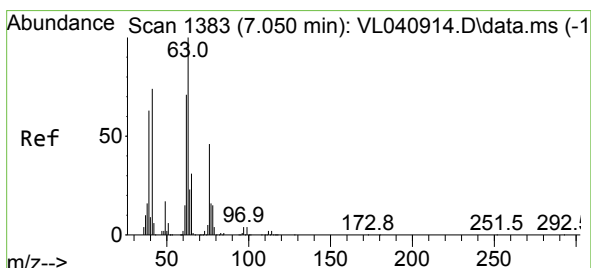
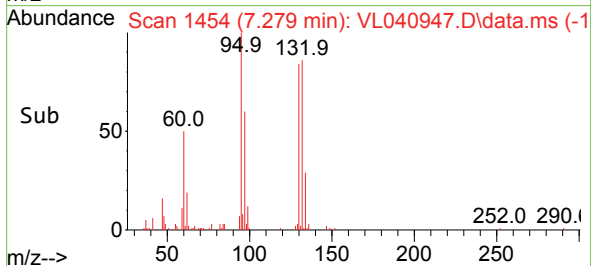
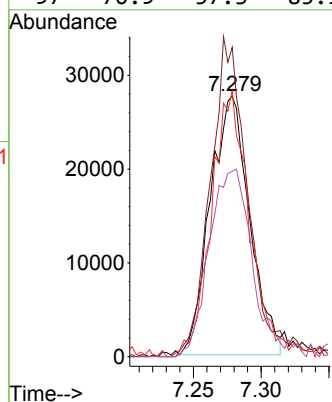
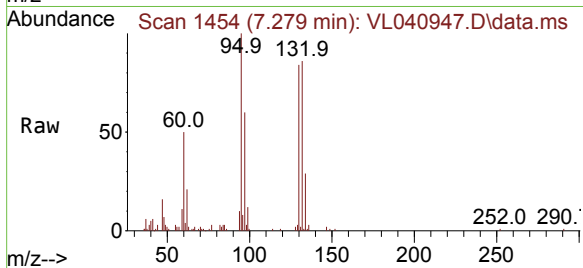
Ion Ratio Lower Upper

130 100

95 117.2 93.5 140.3

132 100.0 77.4 116.2

97 70.9 57.3 85.9



#39

1,2-Dichloropropane

Concen: 7.690 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.408 min

Lab File: VL040947.D

Acq: 22 Dec 2023 2:05

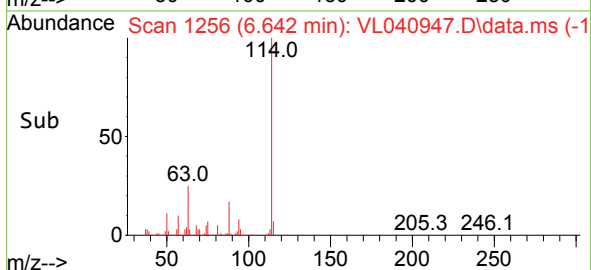
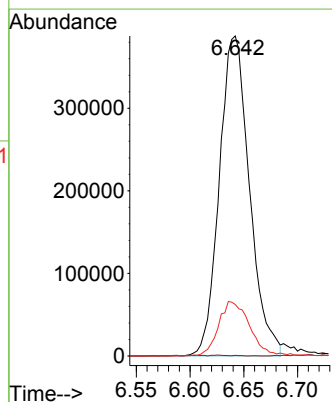
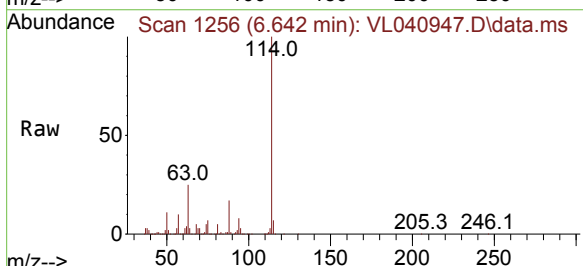
Tgt Ion: 63 Resp: 754711

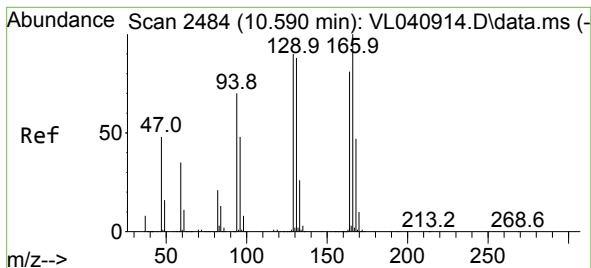
Ion Ratio Lower Upper

63 100

41 0.1 59.0 88.6#

62 16.0 56.6 85.0#





#52

Tetrachloroethene

Concen: 9.974 ppbv

RT: 10.587 min Scan# 2483

Delta R.T. -0.003 min

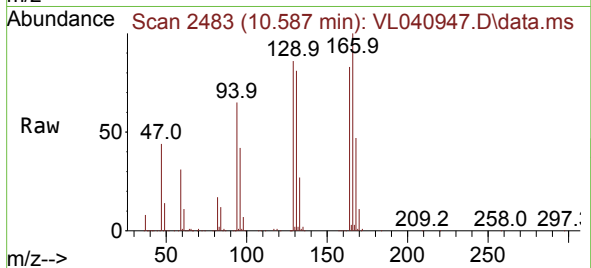
Lab File: VL040947.D

Acq: 22 Dec 2023 2:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 839049

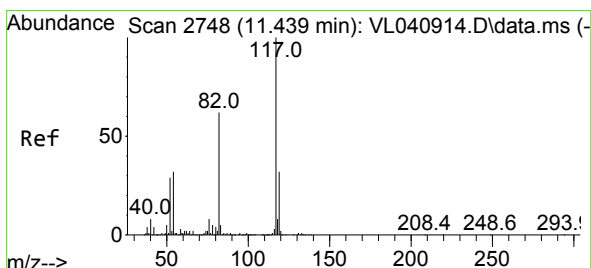
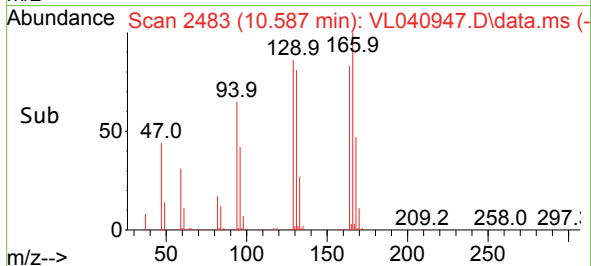
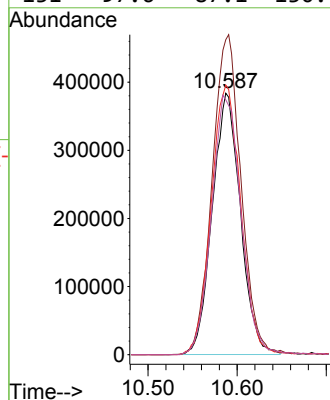
Ion Ratio Lower Upper

164 100

166 120.4 98.9 148.3

129 103.0 88.7 133.1

131 97.6 87.1 130.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.436 min Scan# 2747

Delta R.T. -0.003 min

Lab File: VL040947.D

Acq: 22 Dec 2023 2:05

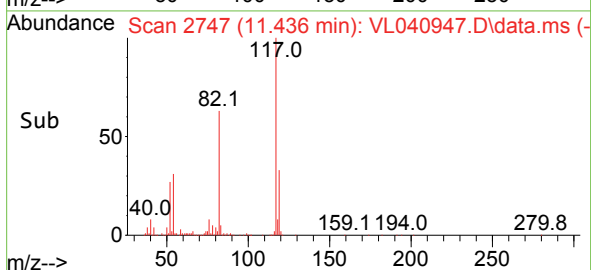
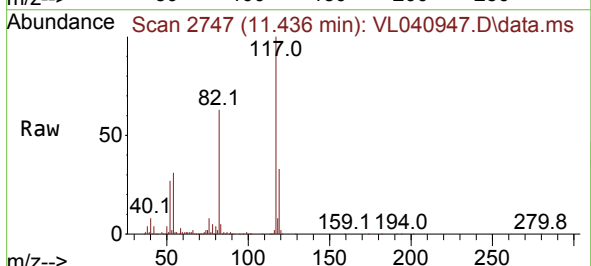
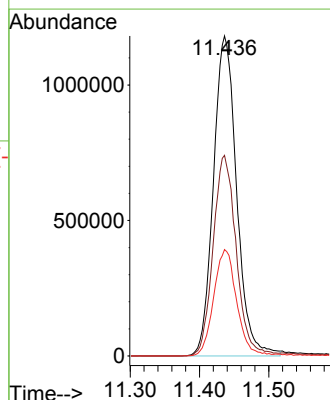
Tgt Ion:117 Resp: 2752616

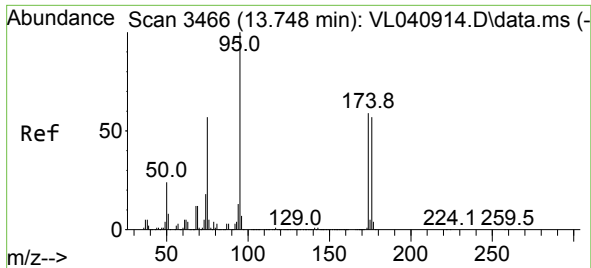
Ion Ratio Lower Upper

117 100

82 63.5 49.6 74.4

119 33.4 23.4 35.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.781 ppbv

RT: 13.745 min Scan# 34

Delta R.T. -0.003 min

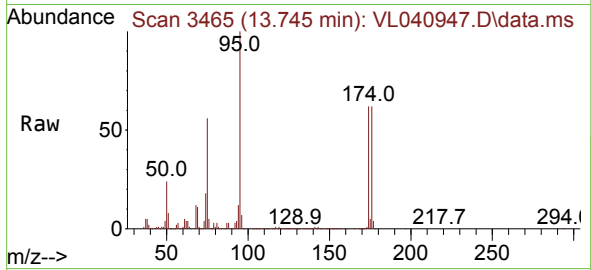
Lab File: VL040947.D

Acq: 22 Dec 2023 2:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 1983210

Ion Ratio Lower Upper

95 100

174 64.2 48.0 72.0

175 4.9 3.7 5.5

