

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040955.D
 Acq On : 22 Dec 2023 11:24
 Operator : SY/MD
 Sample : 05848-01DL2 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 23 01:20:00 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 : Fri Dec 22 23:57:16 2023
 Response via : Initial Calibration

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

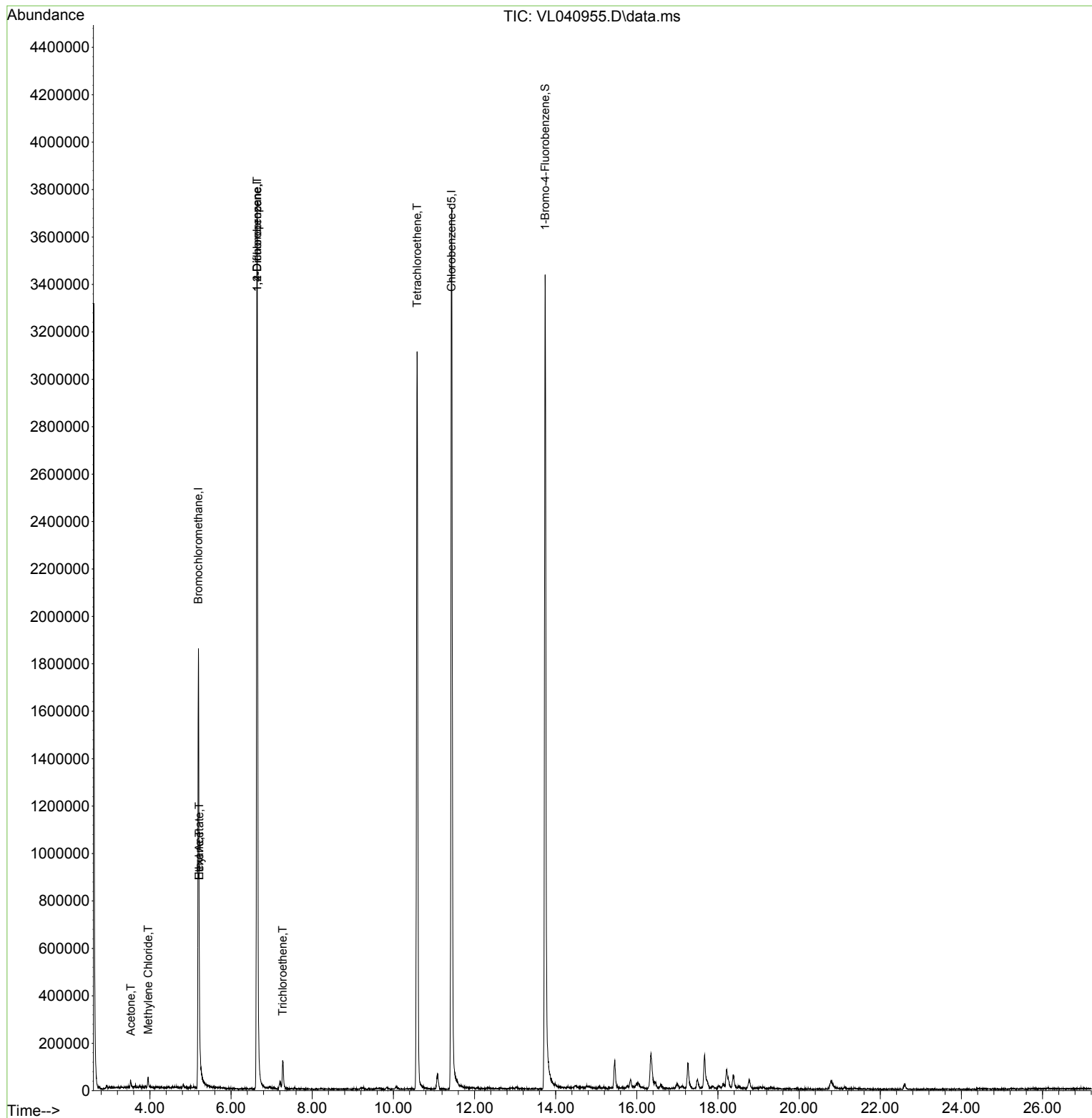
Internal Standards						
1) Bromochloromethane	5.195	49	964731	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2990576	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2571263	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1838460	9.707	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
15) Acetone	3.526	43	28770	0.249	ppbv #	84
20) Methylene Chloride	3.957	84	6136	0.149	ppbv	87
25) Ethyl Acetate	5.214	43	14826	0.074	ppbv #	81
26) Hexane	5.214	57	12209	0.137	ppbv #	30
38) Trichloroethene	7.272	130	34237	0.390	ppbv	93
39) 1,2-Dichloropropane	6.642	63	722227	7.861	ppbv #	23
52) Tetrachloroethene	10.584	164	766601	9.734	ppbv	99

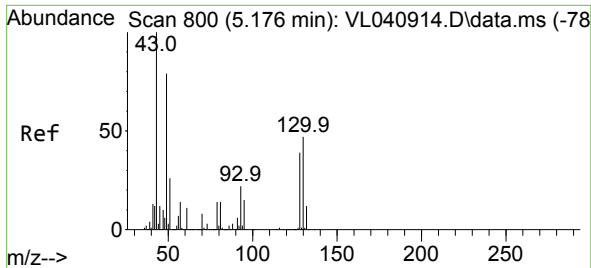
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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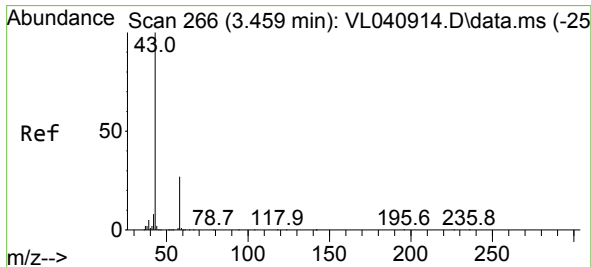
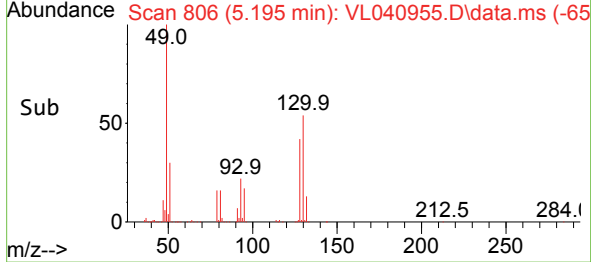
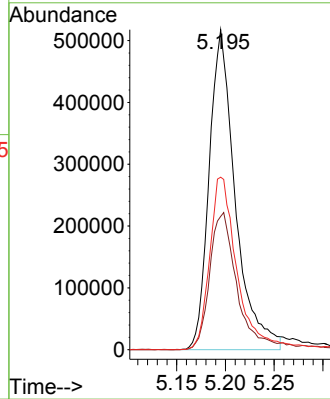
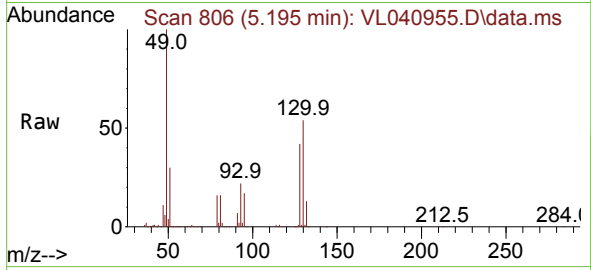




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040955.D
Acq: 22 Dec 2023 11:24

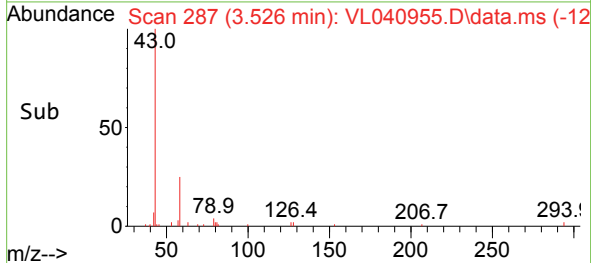
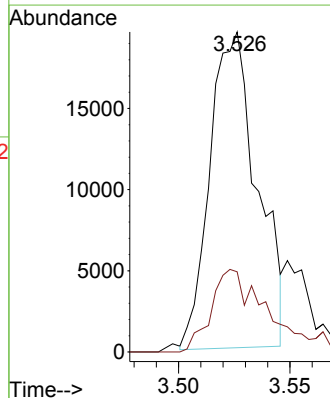
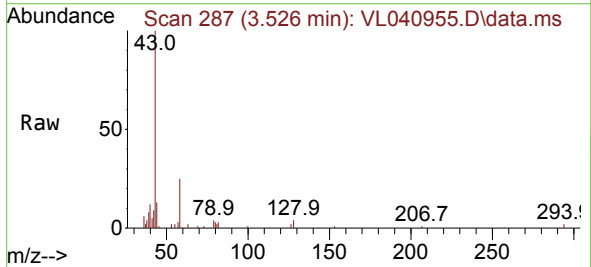
Instrument :
MSVOA_L
ClientSampleId :

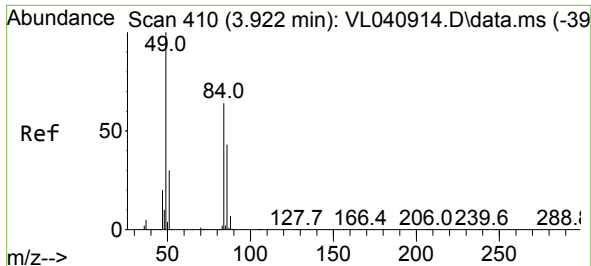
Tgt Ion: 49 Resp: 964731
Ion Ratio Lower Upper
49 100
128 47.7 23.8 71.2
130 58.6 30.1 90.5



#15
Acetone
Concen: 0.249 ppbv
RT: 3.526 min Scan# 287
Delta R.T. 0.032 min
Lab File: VL040955.D
Acq: 22 Dec 2023 11:24

Tgt Ion: 43 Resp: 28770
Ion Ratio Lower Upper
43 100
58 33.7 20.6 30.8#





#20

Methylene Chloride

Concen: 0.149 ppbv

RT: 3.957 min Scan# 41

Delta R.T. 0.006 min

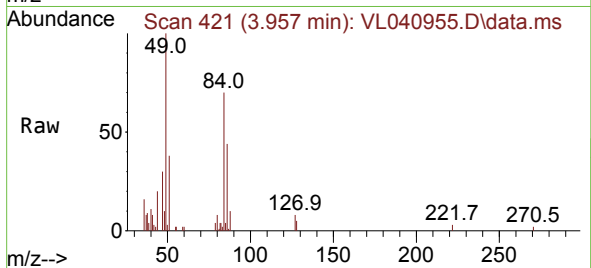
Lab File: VL040955.D

Acq: 22 Dec 2023 11:24

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 6136

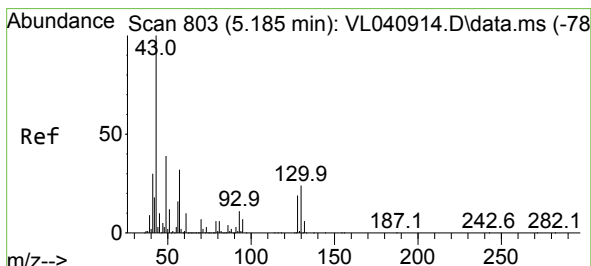
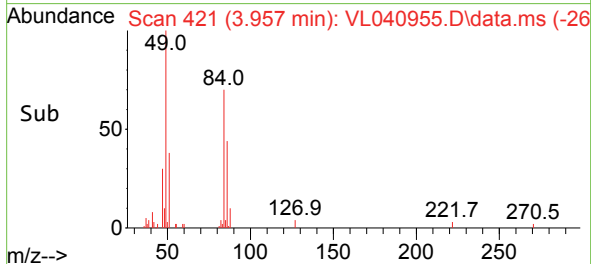
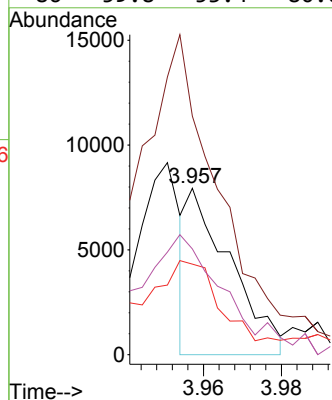
Ion Ratio Lower Upper

84 100

49 134.4 124.6 187.0

51 51.4 37.2 55.8

86 59.8 53.4 80.0



#25

Ethyl Acetate

Concen: 0.074 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.010 min

Lab File: VL040955.D

Acq: 22 Dec 2023 11:24

Tgt Ion: 43 Resp: 14826

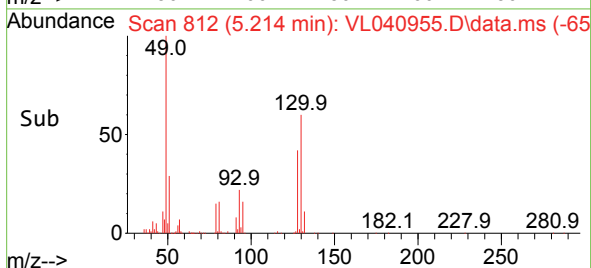
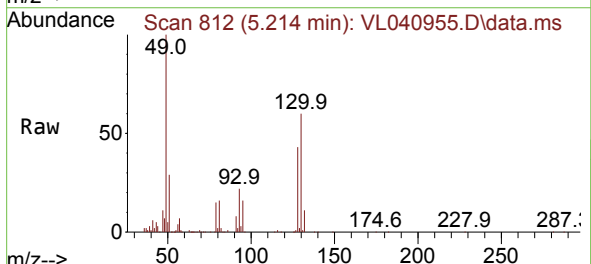
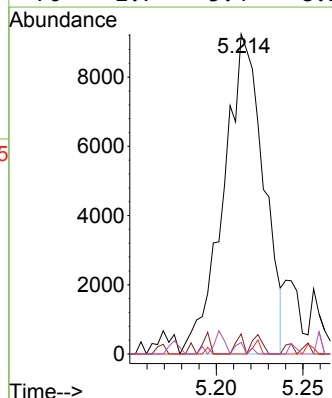
Ion Ratio Lower Upper

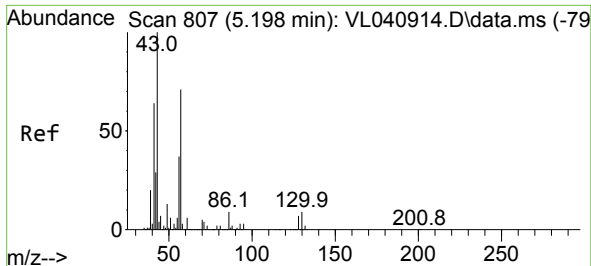
43 100

45 3.5 8.2 12.2#

61 0.0 7.6 11.4#

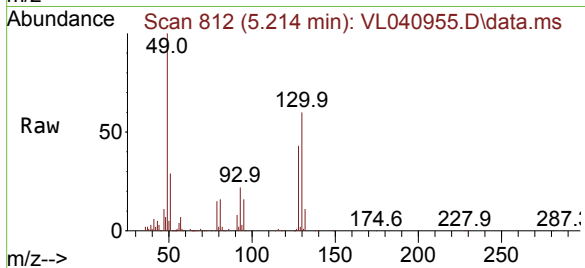
70 2.7 5.4 8.2#



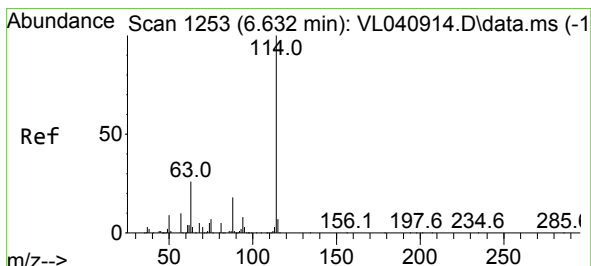
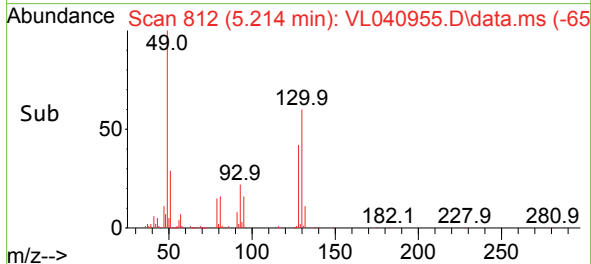
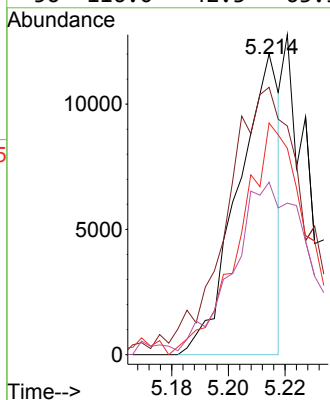


#26
Hexane
Concen: 0.137 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL040955.D
Acq: 22 Dec 2023 11:24

Instrument :
MSVOA_L
ClientSampleId :

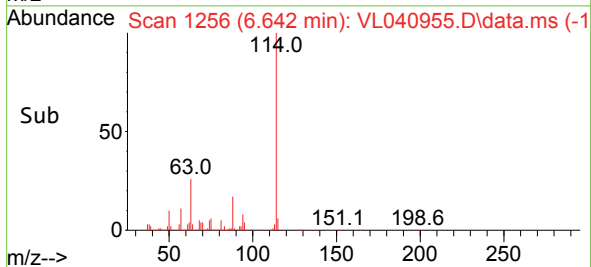
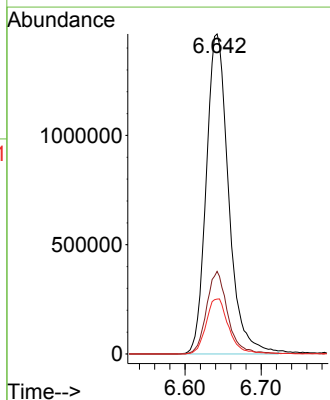
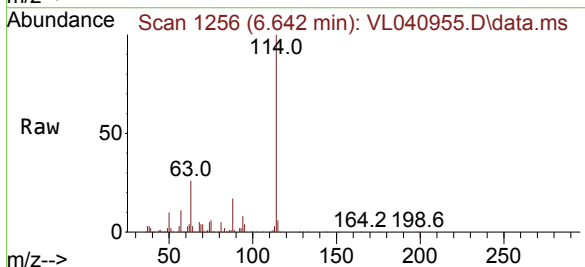


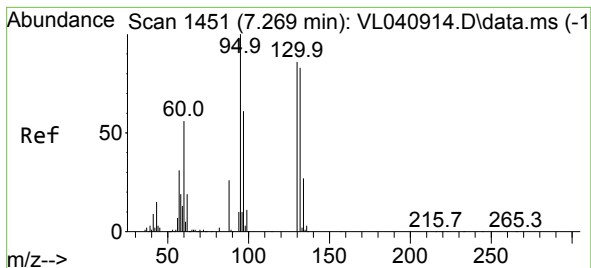
Tgt Ion: 57 Resp: 12209
Ion Ratio Lower Upper
57 100
41 187.2 75.2 112.8#
43 143.5 188.0 282.0#
56 116.0 42.3 63.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.000 min
Lab File: VL040955.D
Acq: 22 Dec 2023 11:24

Tgt Ion:114 Resp: 2990576
Ion Ratio Lower Upper
114 100
63 24.8 21.0 31.6
88 17.6 14.3 21.5





#38

Trichloroethene

Concen: 0.390 ppbv

RT: 7.272 min Scan# 1451

Delta R.T. -0.006 min

Lab File: VL040955.D

Acq: 22 Dec 2023 11:24

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 34237

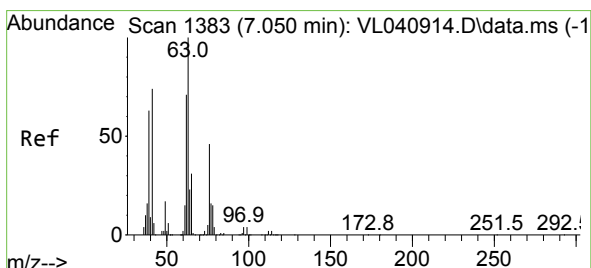
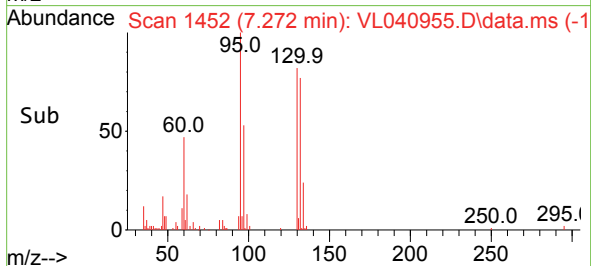
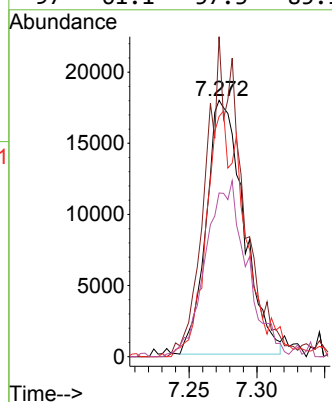
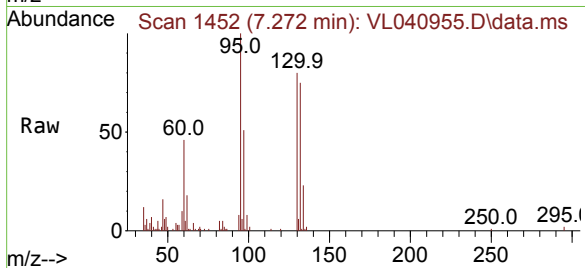
Ion Ratio Lower Upper

130 100

95 121.9 93.5 140.3

132 91.1 77.4 116.2

97 61.1 57.3 85.9



#39

1,2-Dichloropropane

Concen: 7.861 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.418 min

Lab File: VL040955.D

Acq: 22 Dec 2023 11:24

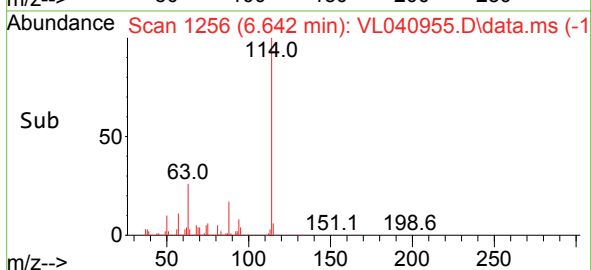
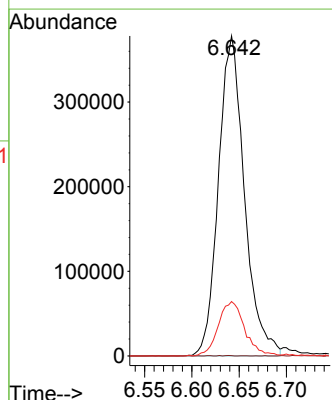
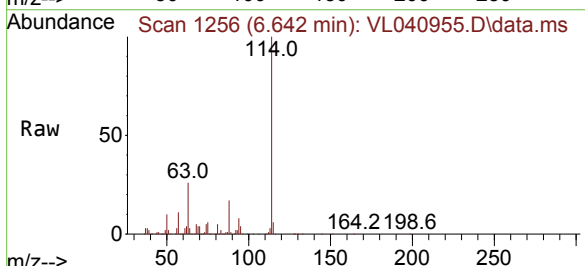
Tgt Ion: 63 Resp: 722227

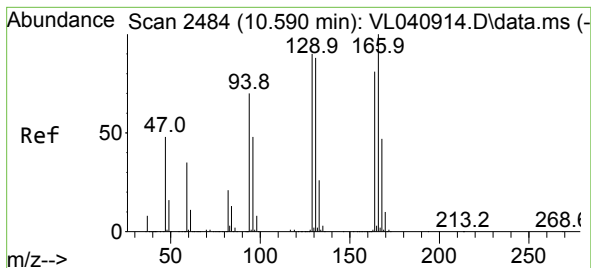
Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 17.0 56.6 85.0#





#52

Tetrachloroethene

Concen: 9.734 ppbv

RT: 10.584 min Scan# 2484

Delta R.T. -0.003 min

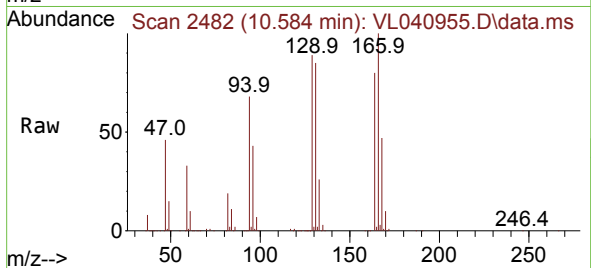
Lab File: VL040955.D

Acq: 22 Dec 2023 11:24

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 766601

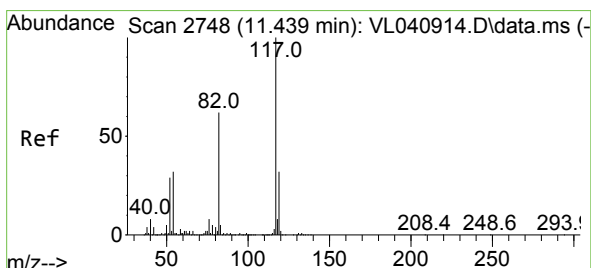
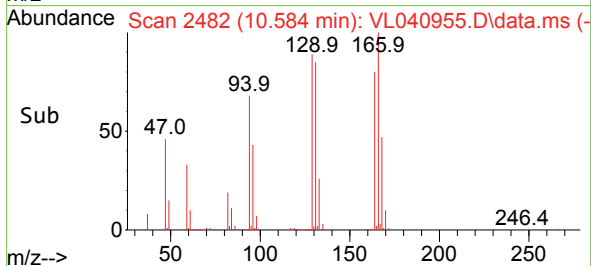
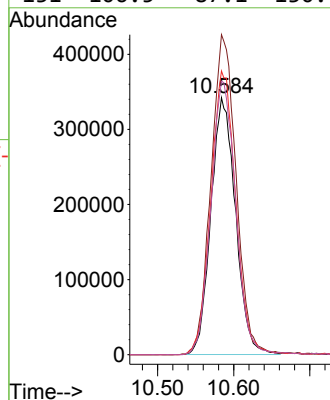
Ion Ratio Lower Upper

164 100

166 124.6 98.9 148.3

129 110.5 88.7 133.1

131 106.5 87.1 130.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.433 min Scan# 2746

Delta R.T. -0.003 min

Lab File: VL040955.D

Acq: 22 Dec 2023 11:24

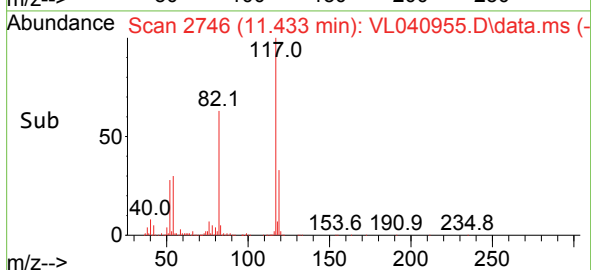
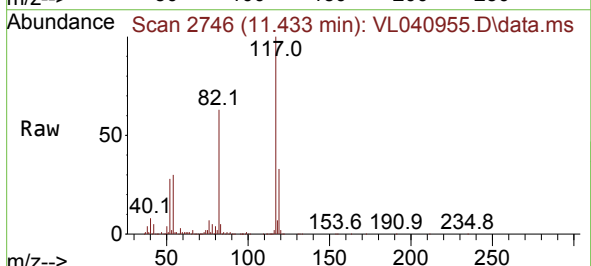
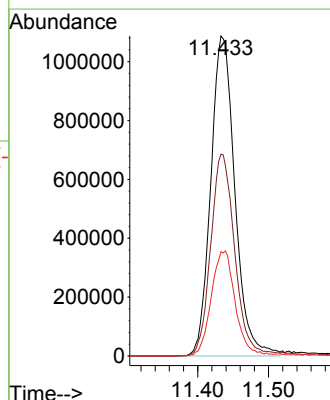
Tgt Ion:117 Resp: 2571263

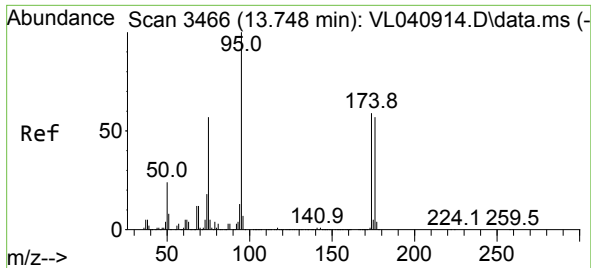
Ion Ratio Lower Upper

117 100

82 64.2 49.6 74.4

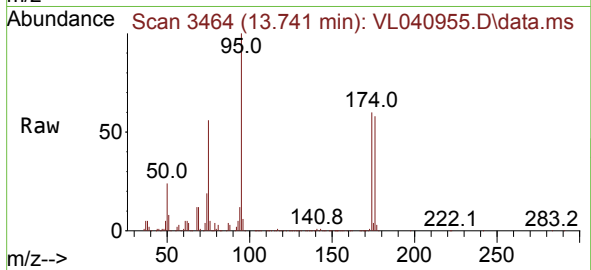
119 33.0 23.4 35.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.707 ppbv
 RT: 13.741 min Scan# 3464
 Delta R.T. 0.003 min
 Lab File: VL040955.D
 Acq: 22 Dec 2023 11:24

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1838460

Ion	Ratio	Lower	Upper
95	100		
174	63.2	48.0	72.0
175	4.5	3.7	5.5

