

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040944.D
 Acq On : 22 Dec 2023 00:12
 Operator : SY/MD
 Sample : 05848-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Quant Time: Dec 22 03:41:20 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)

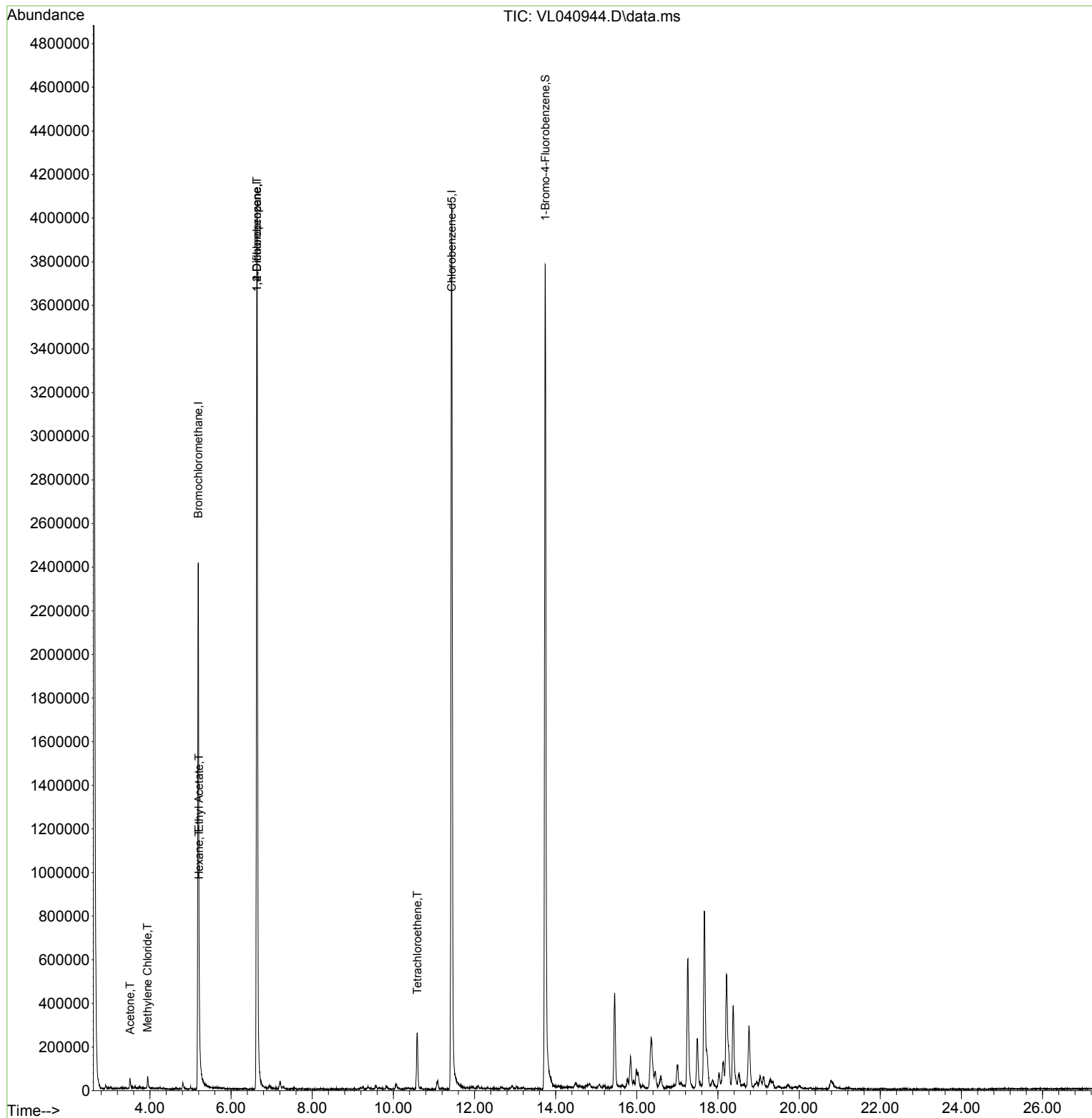
Internal Standards						
1) Bromochloromethane	5.192	49	1234446	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	3258662	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2823282	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1976082	9.502	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.000%
Target Compounds						
					Qvalue	
15) Acetone	3.510	43	44458	0.300	ppbv #	82
20) Methylene Chloride	3.944	84	17061	0.323	ppbv #	88
25) Ethyl Acetate	5.208	43	10732	0.042	ppbv #	85
26) Hexane	5.211	57	25673	0.226	ppbv #	38
39) 1,2-Dichloropropane	6.639	63	757853	7.571	ppbv #	23
52) Tetrachloroethene	10.594	164	31306	0.365	ppbv	95

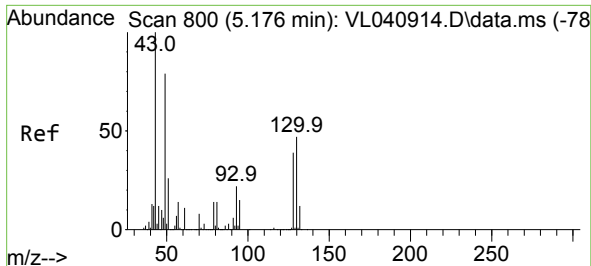
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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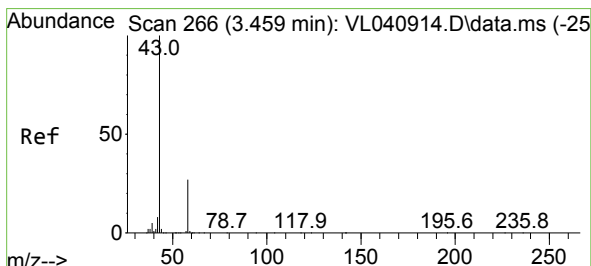
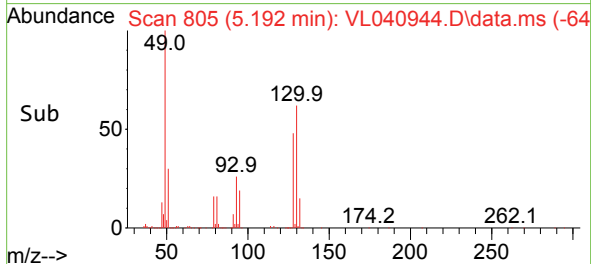
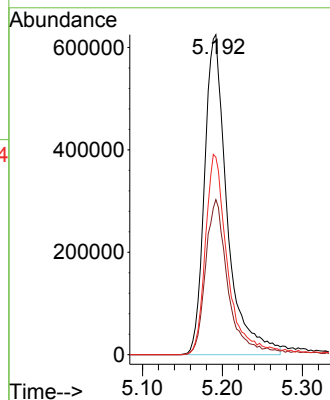
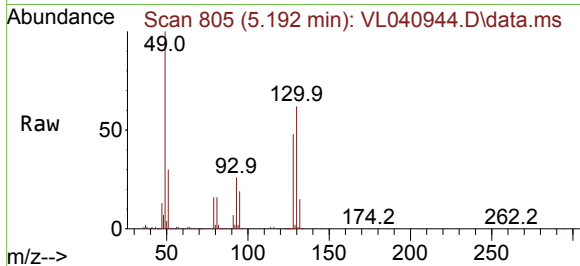




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.016 min
 Lab File: VL040944.D
 Acq: 22 Dec 2023 00:12

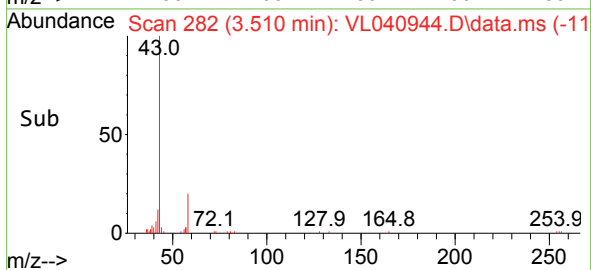
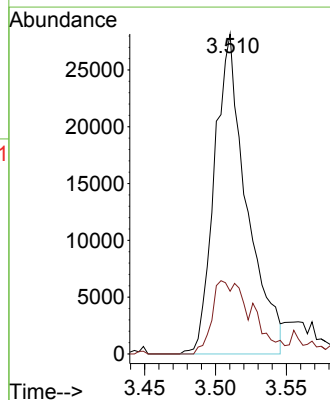
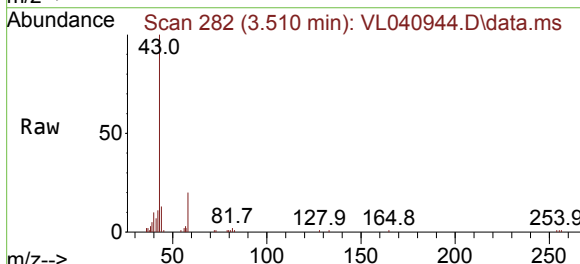
Instrument :
 MSVOA_L
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 SV3DL

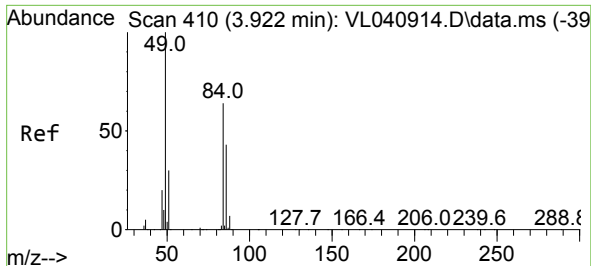
Tgt Ion: 49 Resp: 1234446
 Ion Ratio Lower Upper
 49 100
 128 49.3 23.8 71.2
 130 63.8 30.1 90.5



#15
 Acetone
 Concen: 0.300 ppbv
 RT: 3.510 min Scan# 282
 Delta R.T. 0.052 min
 Lab File: VL040944.D
 Acq: 22 Dec 2023 00:12

Tgt Ion: 43 Resp: 44458
 Ion Ratio Lower Upper
 43 100
 58 34.7 20.6 30.8#

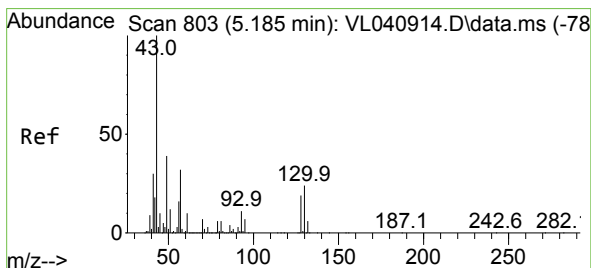
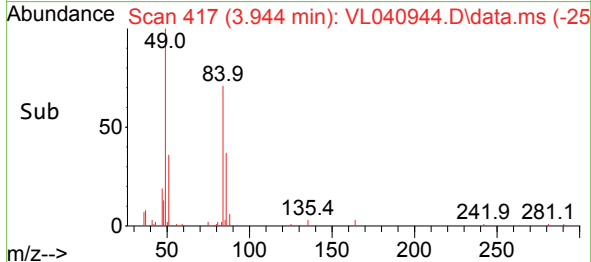
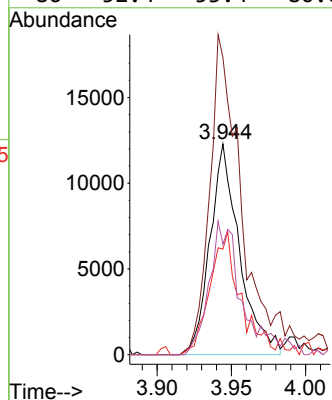
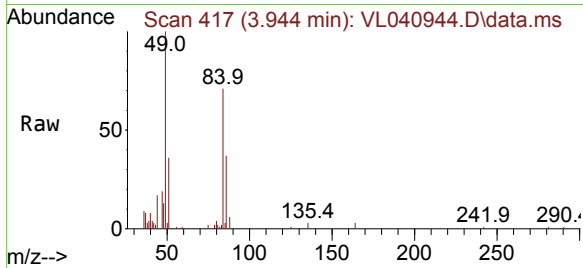




#20
Methylene Chloride
Concen: 0.323 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.023 min
Lab File: VL040944.D
Acq: 22 Dec 2023 00:12

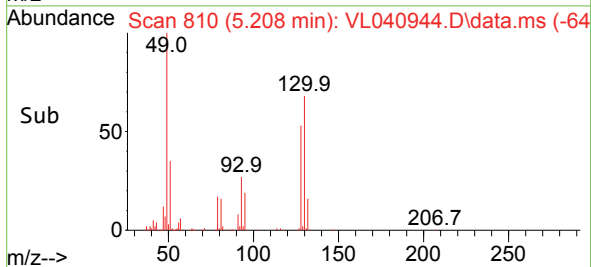
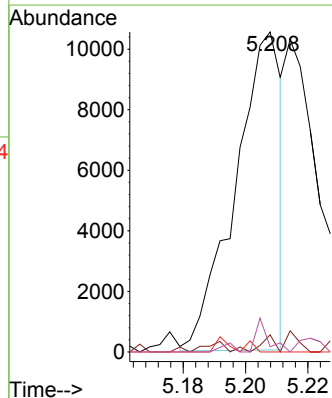
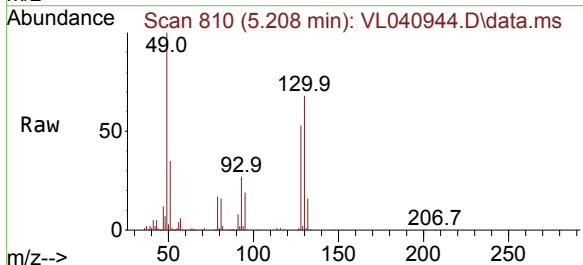
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

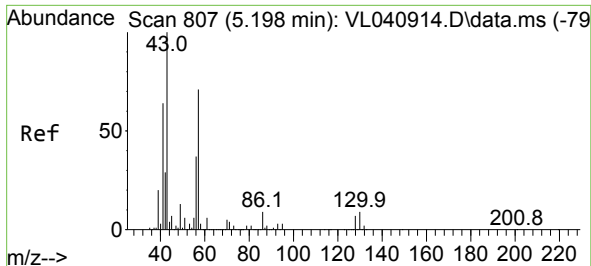
Tgt Ion: 84 Resp: 17061
Ion Ratio Lower Upper
84 100
49 141.0 124.6 187.0
51 50.1 37.2 55.8
86 52.4 53.4 80.0#



#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL040944.D
Acq: 22 Dec 2023 00:12

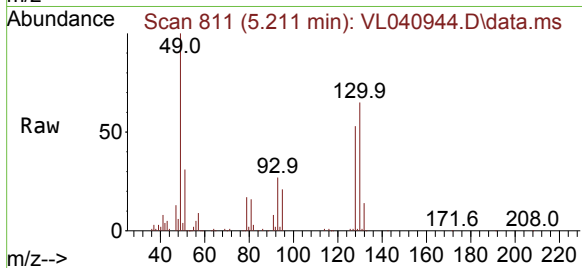
Tgt Ion: 43 Resp: 10732
Ion Ratio Lower Upper
43 100
45 3.3 8.2 12.2#
61 1.9 7.6 11.4#
70 5.8 5.4 8.2



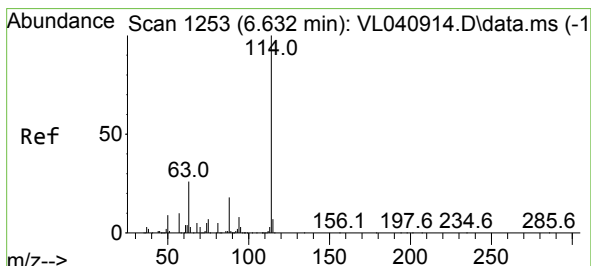
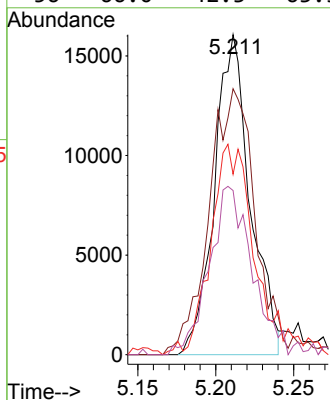
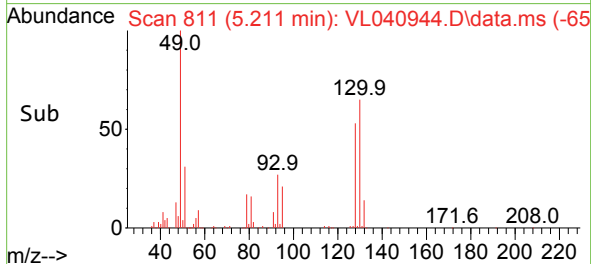


#26
Hexane
Concen: 0.226 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040944.D
Acq: 22 Dec 2023 00:12

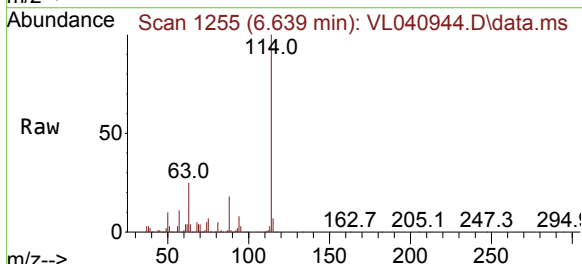
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



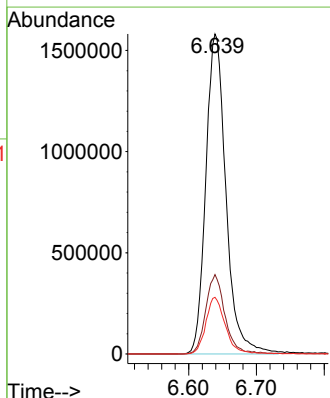
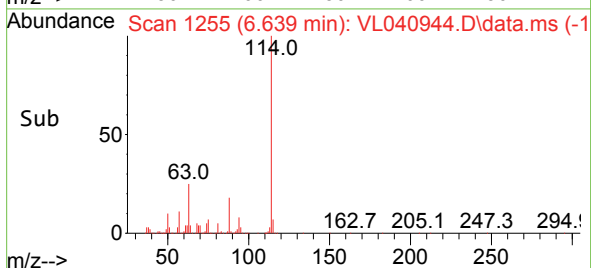
Tgt Ion: 57 Resp: 25673
Ion Ratio Lower Upper
57 100
41 109.7 75.2 112.8
43 83.8 188.0 282.0#
56 66.0 42.3 63.5#

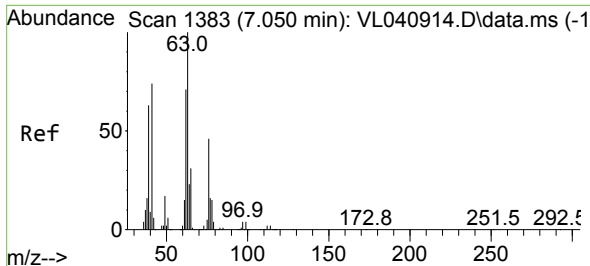


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.007 min
Lab File: VL040944.D
Acq: 22 Dec 2023 00:12



Tgt Ion: 114 Resp: 3258662
Ion Ratio Lower Upper
114 100
63 24.0 21.0 31.6
88 17.3 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.571 ppbv

RT: 6.639 min Scan# 1

Delta R.T. -0.411 min

Lab File: VL040944.D

Acq: 22 Dec 2023 00:12

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

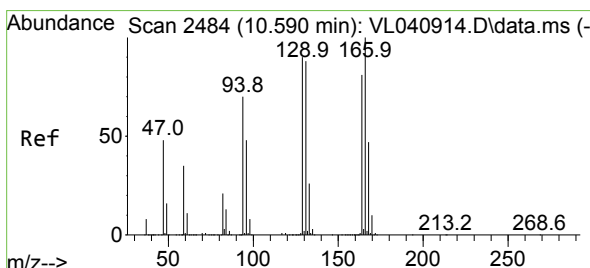
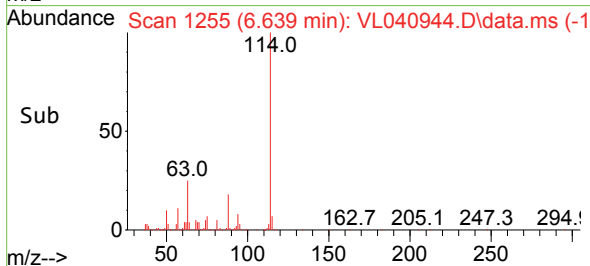
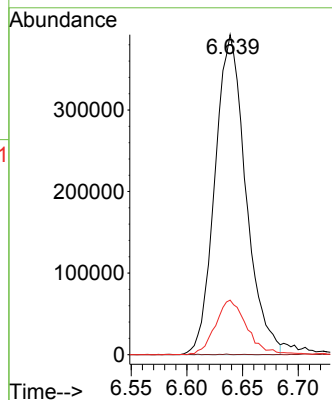
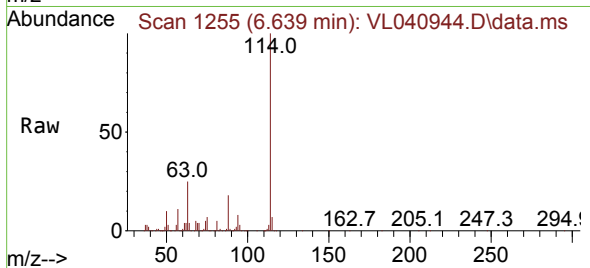
Tgt Ion: 63 Resp: 757853

Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 17.0 56.6 85.0#



#52

Tetrachloroethene

Concen: 0.365 ppbv

RT: 10.594 min Scan# 2485

Delta R.T. 0.003 min

Lab File: VL040944.D

Acq: 22 Dec 2023 00:12

Tgt Ion:164 Resp: 31306

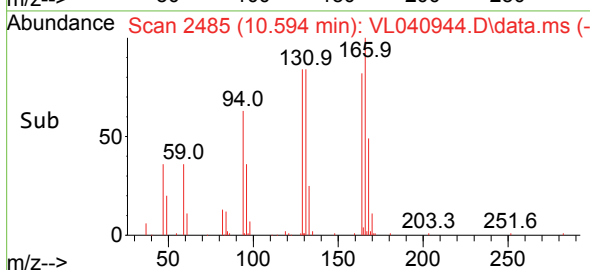
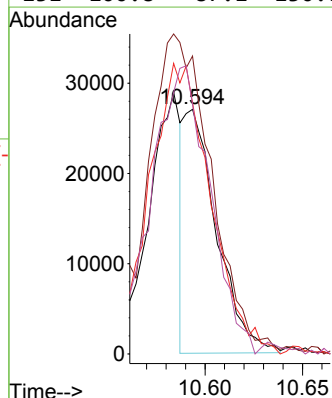
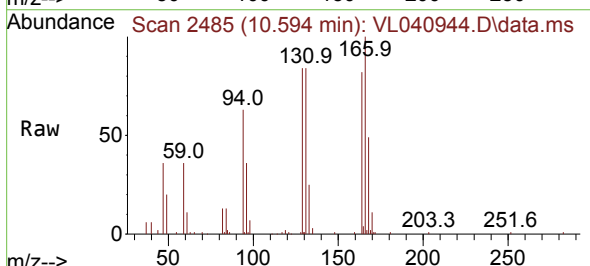
Ion Ratio Lower Upper

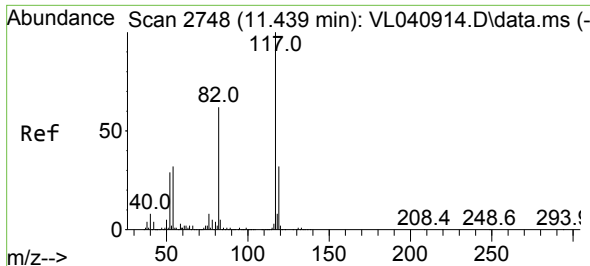
164 100

166 121.4 98.9 148.3

129 105.1 88.7 133.1

131 100.8 87.1 130.7

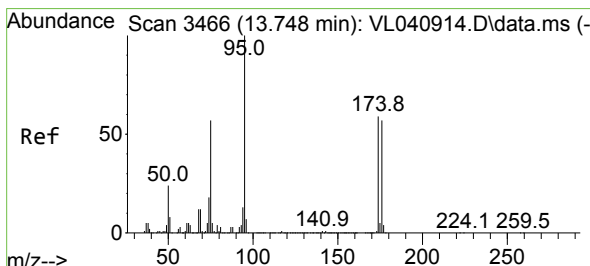
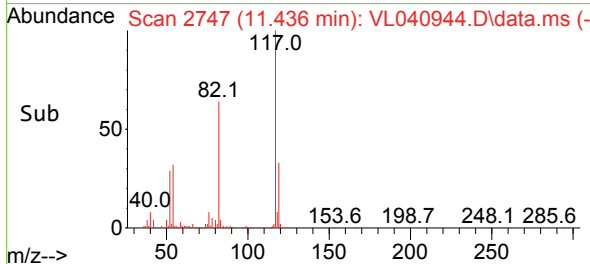
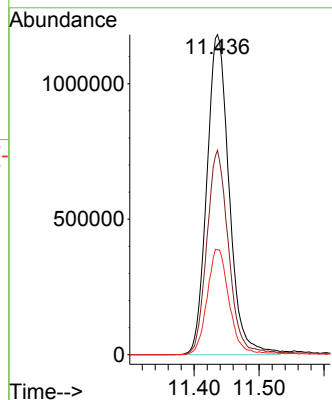
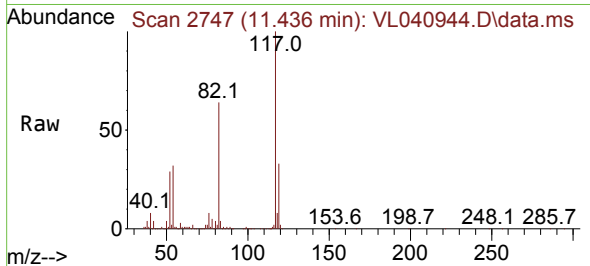




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040944.D
Acq: 22 Dec 2023 00:12

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion:117 Resp: 2823282
Ion Ratio Lower Upper
117 100
82 63.3 49.6 74.4
119 33.0 23.4 35.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.502 ppbv
RT: 13.745 min Scan# 3465
Delta R.T. -0.003 min
Lab File: VL040944.D
Acq: 22 Dec 2023 00:12

Tgt Ion: 95 Resp: 1976082
Ion Ratio Lower Upper
95 100
174 65.7 48.0 72.0
175 4.9 3.7 5.5

