

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040950.D
 Acq On : 22 Dec 2023 3:58
 Operator : SY/MD
 Sample : 05848-04DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 04:34:12 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)

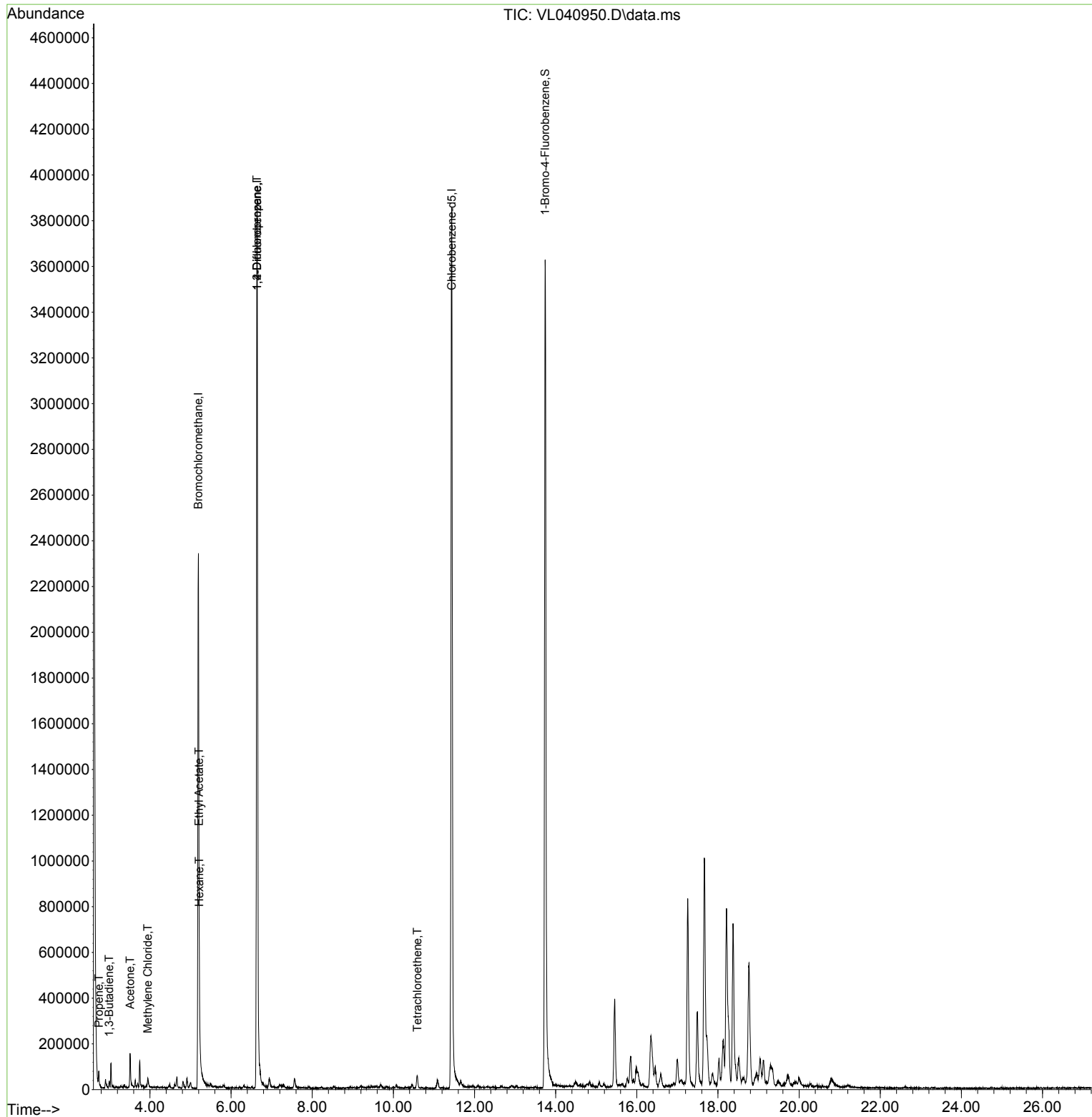
Internal Standards						
1) Bromochloromethane	5.195	49	1176496	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	3148862	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2702894	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1951456	9.802	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
9) Propene	2.742	41	16003	0.274	ppbv #	77
15) Acetone	3.510	43	94890	0.672	ppbv	94
16) 1,3-Butadiene	2.996	39	7652	0.126	ppbv #	14
20) Methylene Chloride	3.947	84	10914	0.217	ppbv	91
25) Ethyl Acetate	5.211	43	17331	0.071	ppbv #	80
26) Hexane	5.217	57	45626	0.421	ppbv #	38
39) 1,2-Dichloropropane	6.639	63	754680	7.802	ppbv #	24
52) Tetrachloroethene	10.593	164	9484	0.114	ppbv #	77

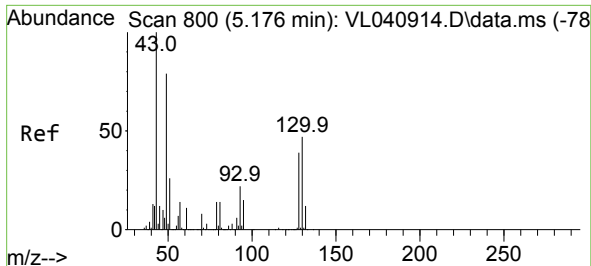
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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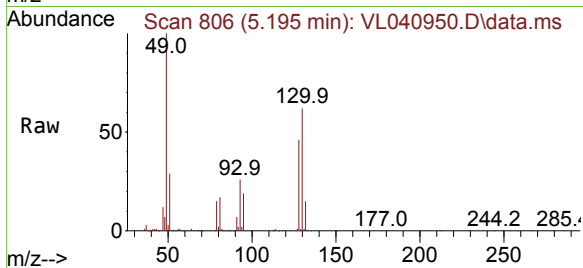
Quant Time: Dec 22 04:34:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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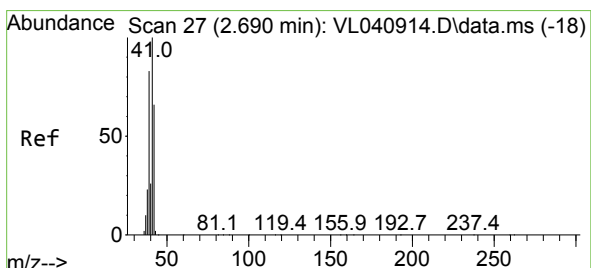
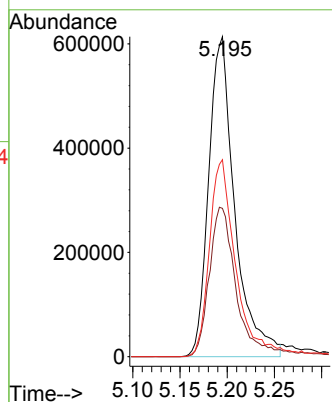
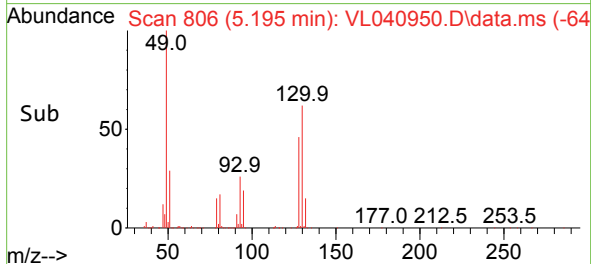


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.019 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

Instrument :
MSVOA_L
ClientSampleId :

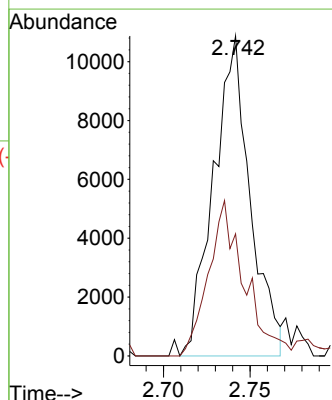
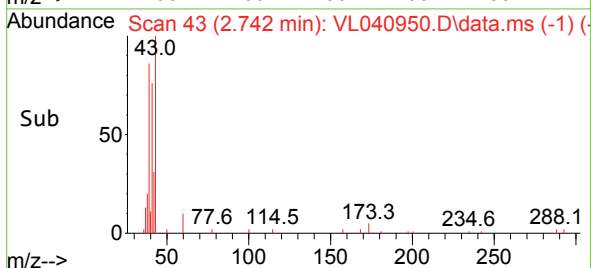
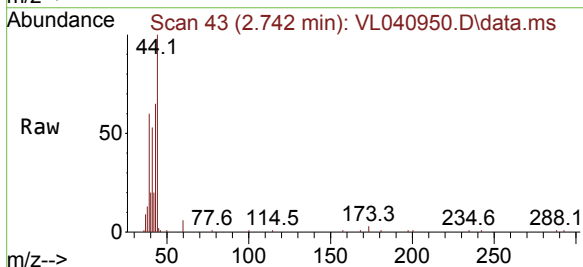


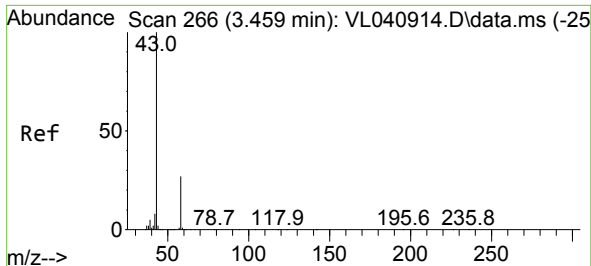
Tgt Ion: 49 Resp: 1176496
Ion Ratio Lower Upper
49 100
128 50.5 23.8 71.2
130 65.5 30.1 90.5



#9
Propene
Concen: 0.274 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.051 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

Tgt Ion: 41 Resp: 16003
Ion Ratio Lower Upper
41 100
42 50.7 55.8 83.6#

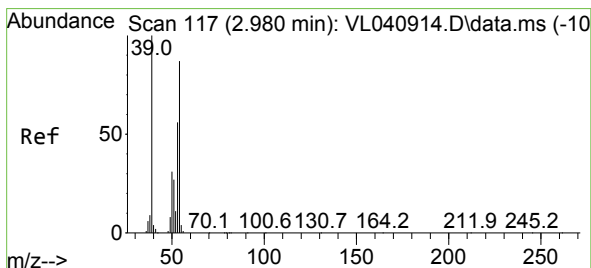
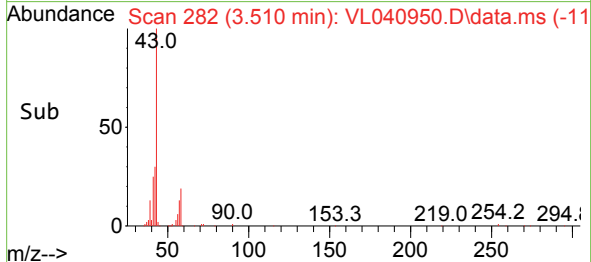
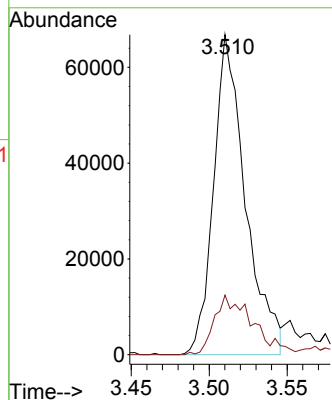
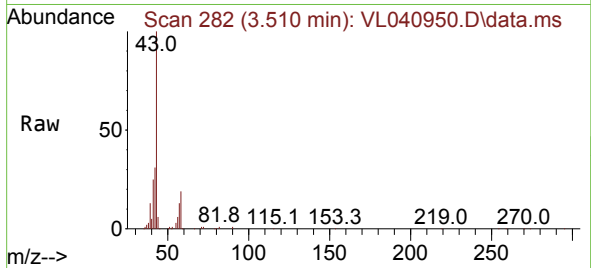




#15
Acetone
Concen: 0.672 ppbv
RT: 3.510 min Scan# 21
Delta R.T. 0.051 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

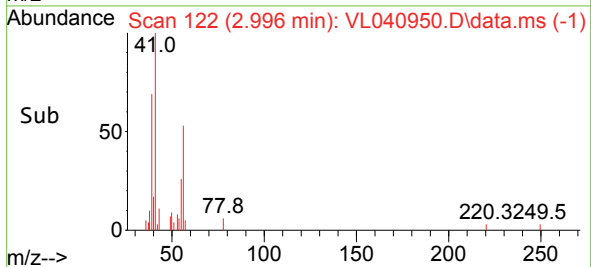
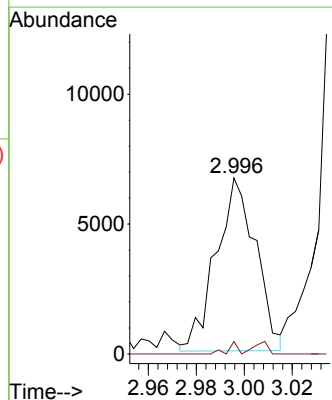
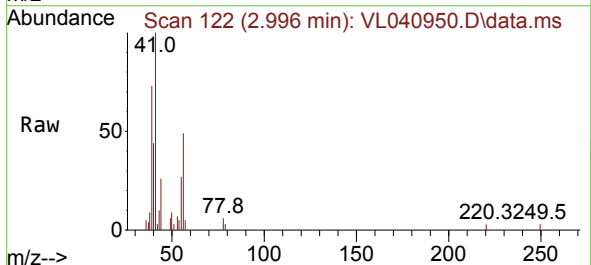
Instrument :
MSVOA_L
ClientSampleId :

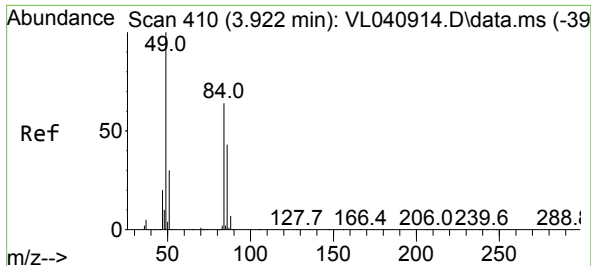
Tgt Ion: 43 Resp: 94890
Ion Ratio Lower Upper
43 100
58 22.6 20.6 30.8



#16
1,3-Butadiene
Concen: 0.126 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.016 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

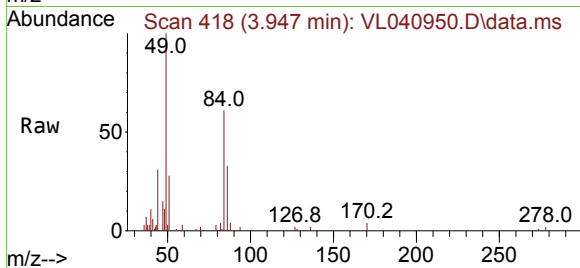
Tgt Ion: 39 Resp: 7652
Ion Ratio Lower Upper
39 100
54 4.1 63.8 95.6#





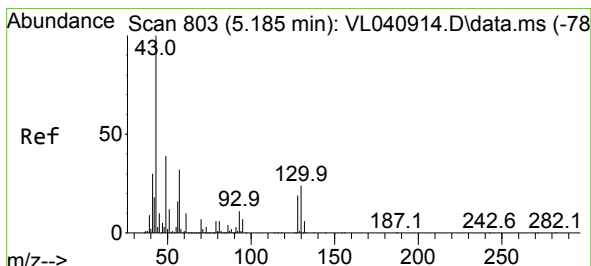
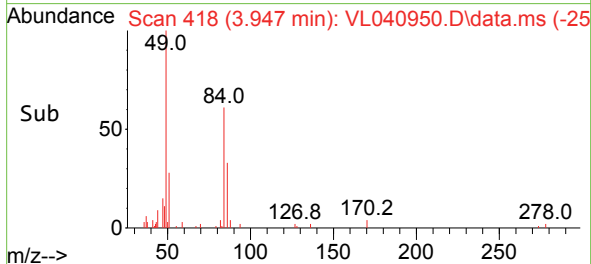
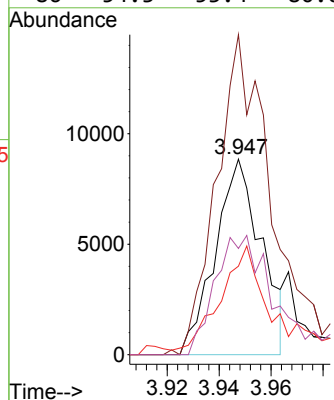
#20
Methylene Chloride
Concen: 0.217 ppbv
RT: 3.947 min Scan# 410
Delta R.T. 0.026 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 10914

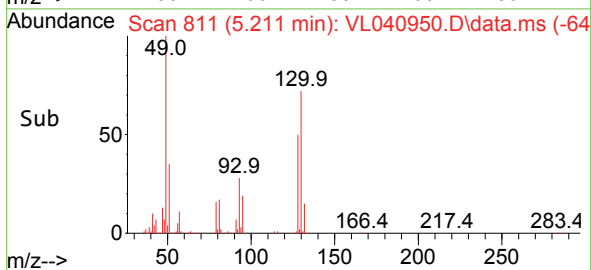
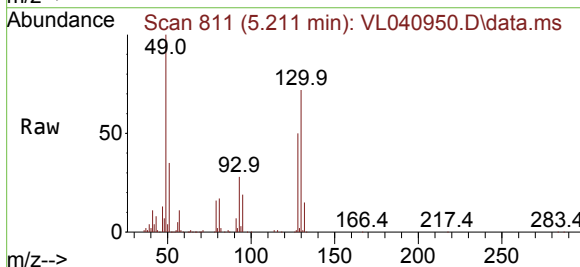
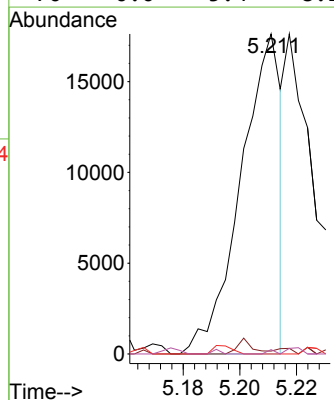
Ion	Ratio	Lower	Upper
84	100		
49	163.6	124.6	187.0
51	41.9	37.2	55.8
86	54.3	53.4	80.0

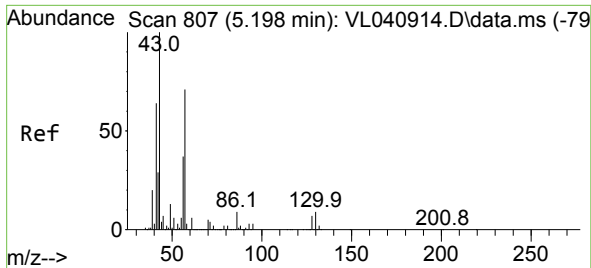


#25
Ethyl Acetate
Concen: 0.071 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.026 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

Tgt Ion: 43 Resp: 17331

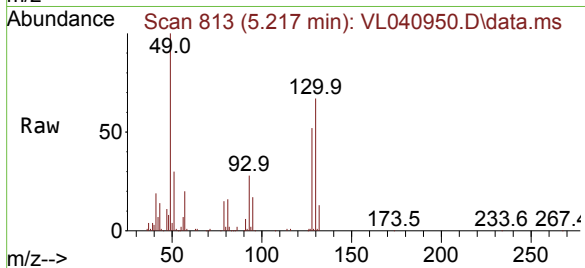
Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.2	12.2#
61	1.2	7.6	11.4#
70	0.0	5.4	8.2#



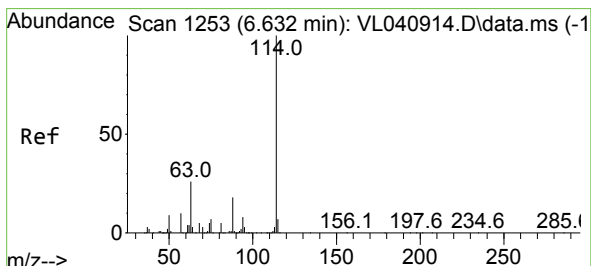
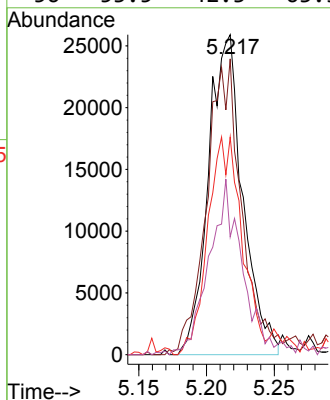
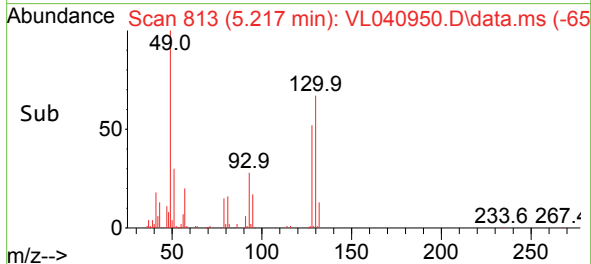


#26
Hexane
Concen: 0.421 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.019 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

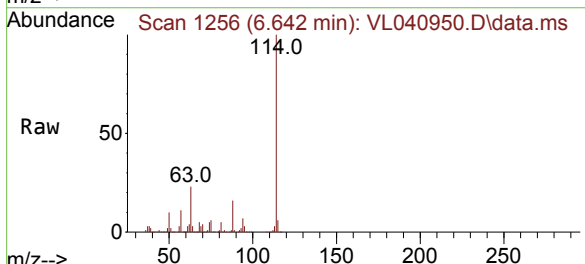
Instrument :
MSVOA_L
ClientSampleId :



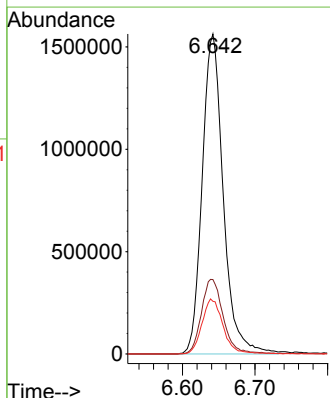
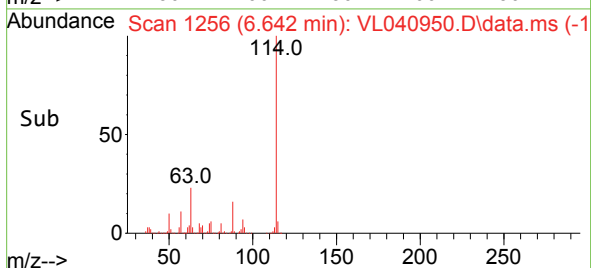
Tgt Ion: 57 Resp: 45626
Ion Ratio Lower Upper
57 100
41 101.5 75.2 112.8
43 72.4 188.0 282.0#
56 53.5 42.3 63.5

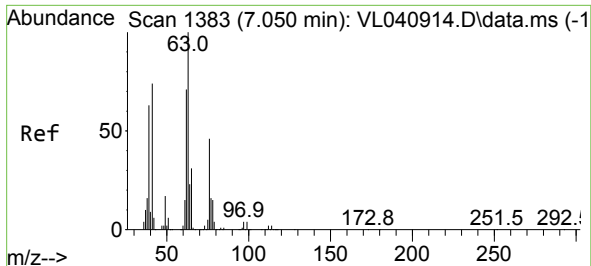


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. 0.010 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58



Tgt Ion: 114 Resp: 3148862
Ion Ratio Lower Upper
114 100
63 24.5 21.0 31.6
88 17.4 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.802 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040950.D

Acq: 22 Dec 2023 3:58

Instrument :

MSVOA_L

ClientSampleId :

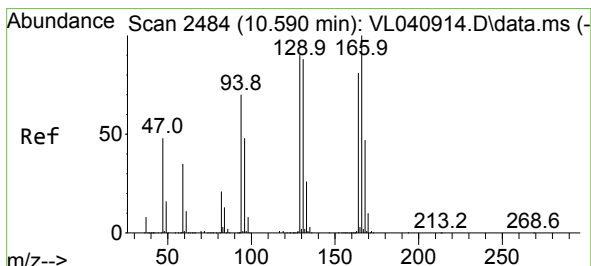
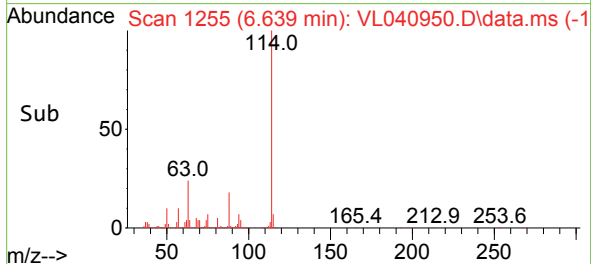
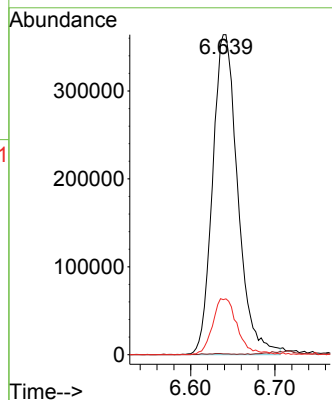
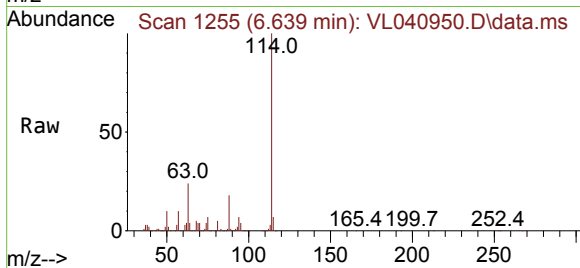
Tgt Ion: 63 Resp: 754680

Ion Ratio Lower Upper

63 100

41 0.2 59.0 88.6#

62 17.2 56.6 85.0#



#52

Tetrachloroethene

Concen: 0.114 ppbv

RT: 10.593 min Scan# 2485

Delta R.T. 0.003 min

Lab File: VL040950.D

Acq: 22 Dec 2023 3:58

Tgt Ion: 164 Resp: 9484

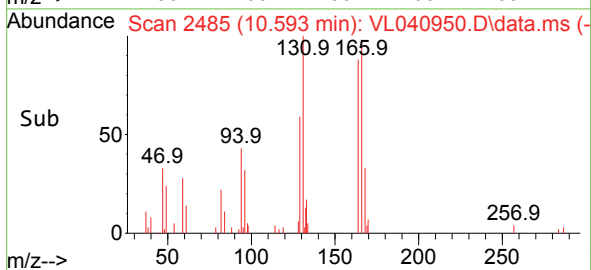
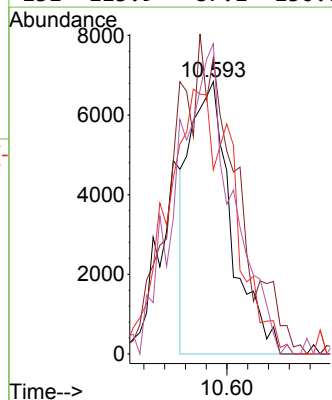
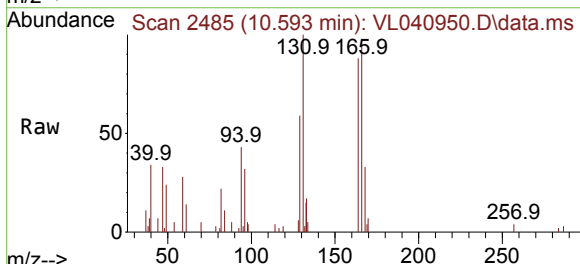
Ion Ratio Lower Upper

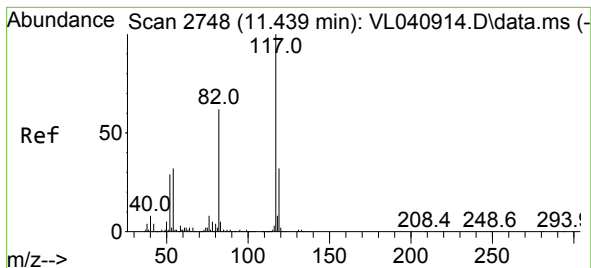
164 100

166 98.5 98.9 148.3#

129 65.2 88.7 133.1#

131 113.9 87.1 130.7

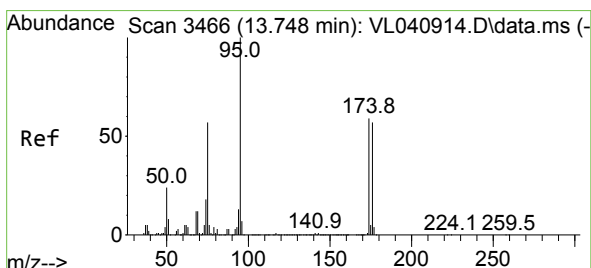
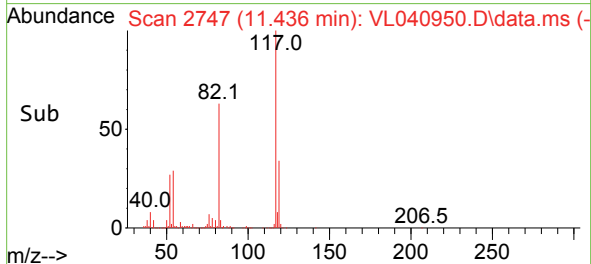
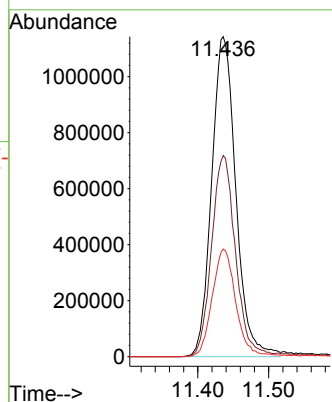
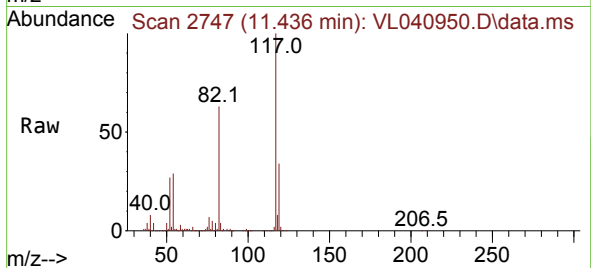




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2702894
Ion Ratio Lower Upper
117 100
82 63.5 49.6 74.4
119 33.1 23.4 35.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.802 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040950.D
Acq: 22 Dec 2023 3:58

Tgt Ion: 95 Resp: 1951456
Ion Ratio Lower Upper
95 100
174 64.4 48.0 72.0
175 4.9 3.7 5.5

