

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040465.D
 Acq On : 15 Jun 2023 13:13
 Operator : SY/MD
 Sample : VL0615ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABL01

Quant Time: Jun 16 05:35:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

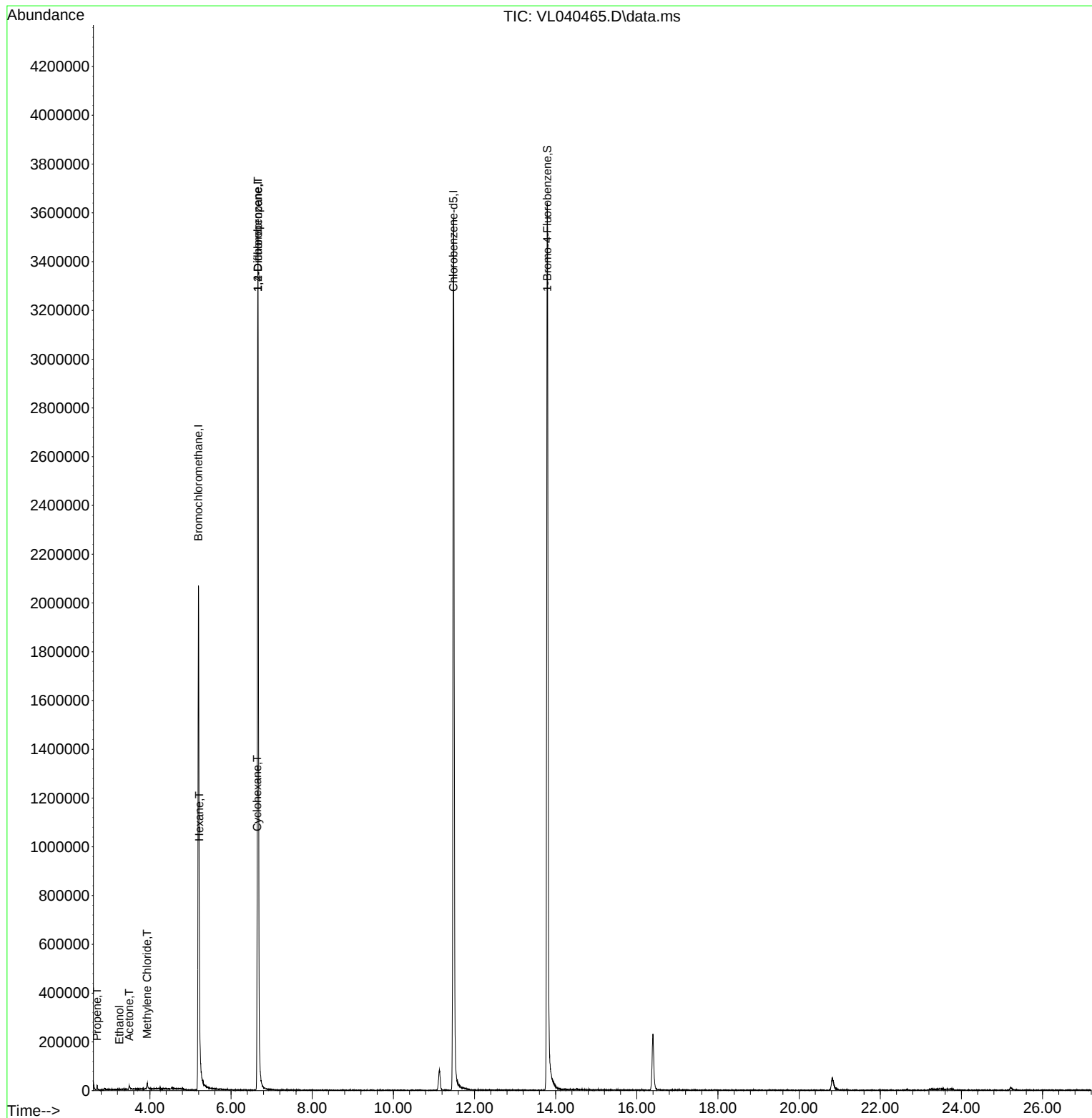
Internal Standards						
1) Bromochloromethane	5.195	49	1008615	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2513403	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2185961	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1814035	10.055	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
9) Propene	2.693	41	3197	0.063	ppbv	83
13) Ethanol	3.246	45	399	0.038	ppbv #	39
15) Acetone	3.488	43	9022	0.074	ppbv #	48
20) Methylene Chloride	3.928	84	4444	0.086	ppbv #	81
26) Hexane	5.214	57	4769	0.046	ppbv #	40
30) Cyclohexane	6.642	84	2560	0.030	ppbv #	4
39) 1,2-Dichloropropane	6.661	63	660937	8.576	ppbv #	22

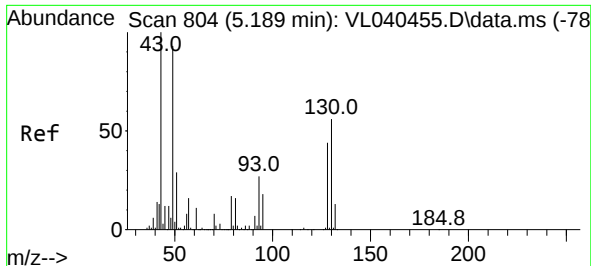
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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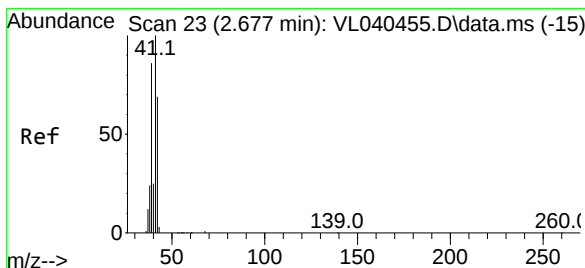
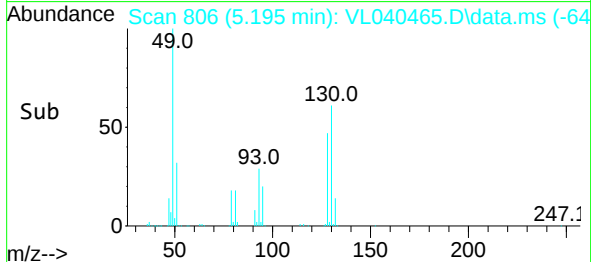
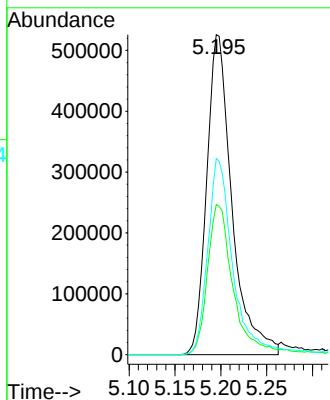
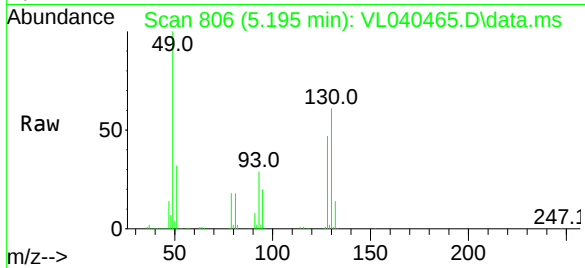




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

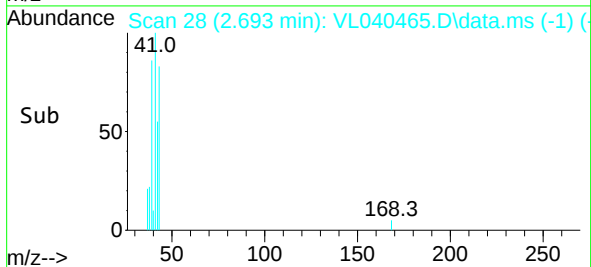
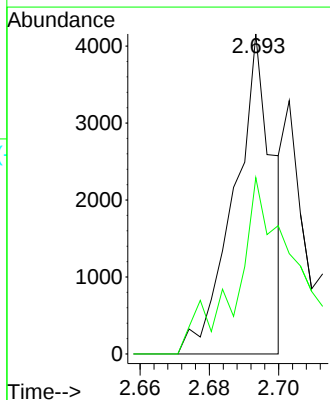
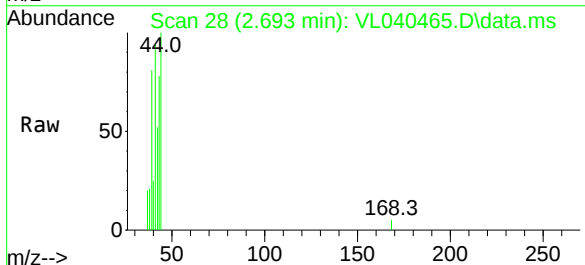
Instrument :
MSVOA_L
ClientSampleId :
VL0615ABL01

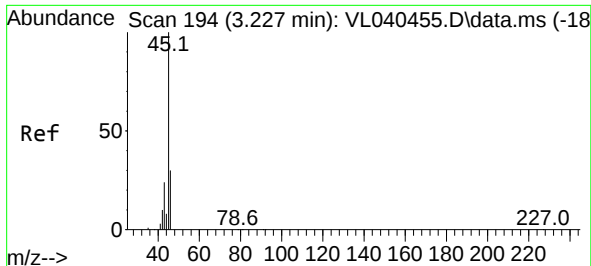
Tgt Ion: 49 Resp: 1008615
Ion Ratio Lower Upper
49 100
128 49.1 24.7 74.1
130 62.5 31.4 94.2



#9
Propene
Concen: 0.063 ppbv
RT: 2.693 min Scan# 28
Delta R.T. 0.016 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

Tgt Ion: 41 Resp: 3197
Ion Ratio Lower Upper
41 100
42 84.2 56.2 84.2

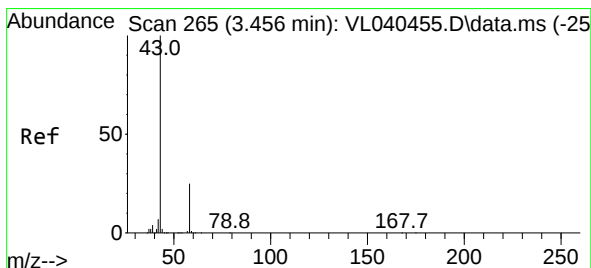
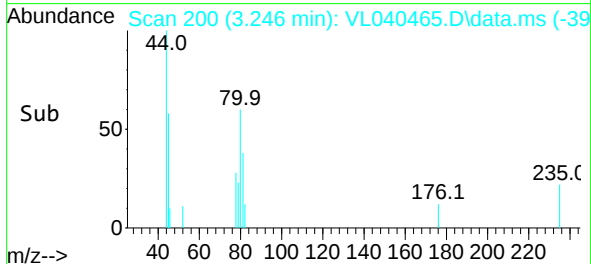
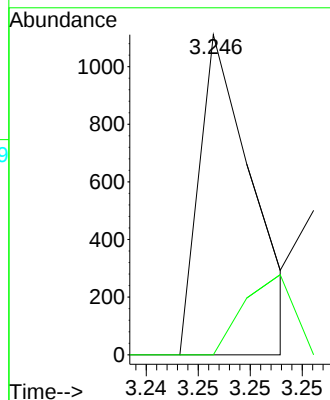
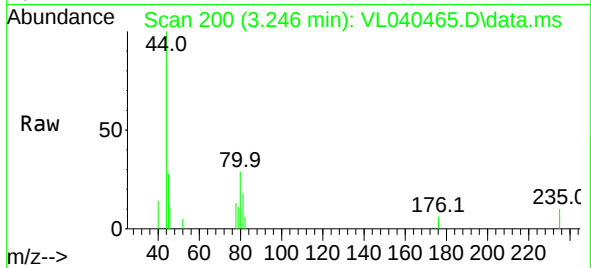




#13
Ethanol
Concen: 0.038 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.019 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

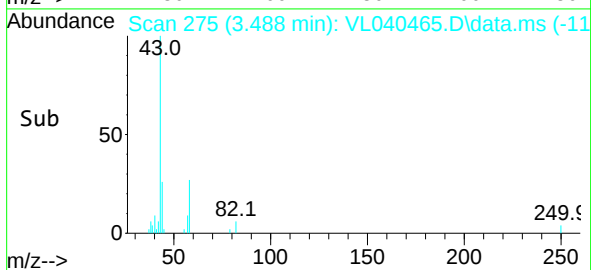
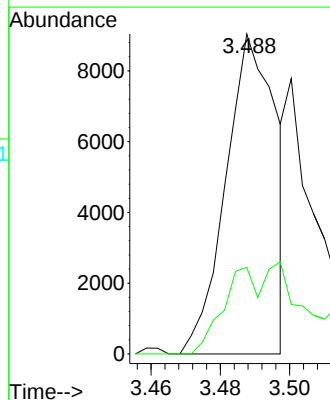
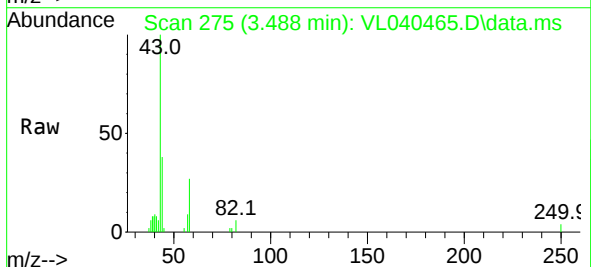
Instrument :
MSVOA_L
ClientSampleId :
VL0615ABL01

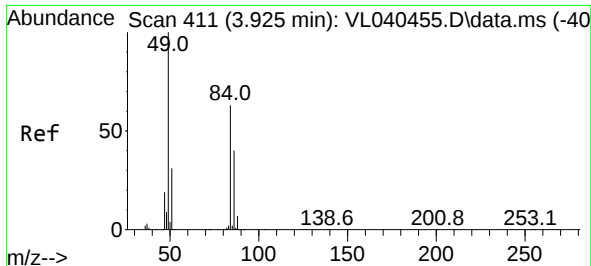
Tgt Ion: 45 Resp: 399
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#



#15
Acetone
Concen: 0.074 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.032 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

Tgt Ion: 43 Resp: 9022
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#

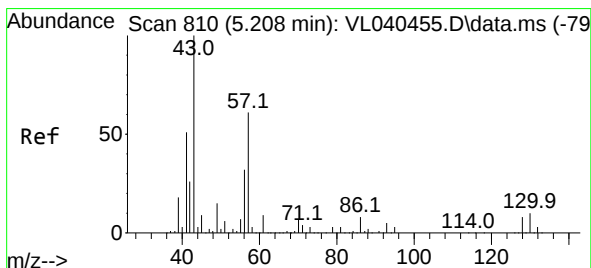
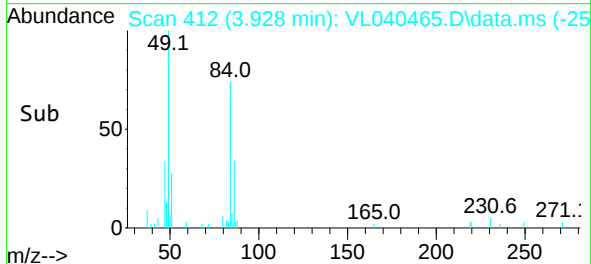
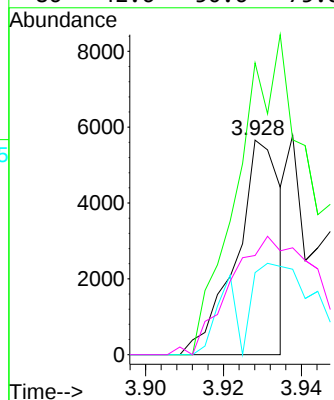
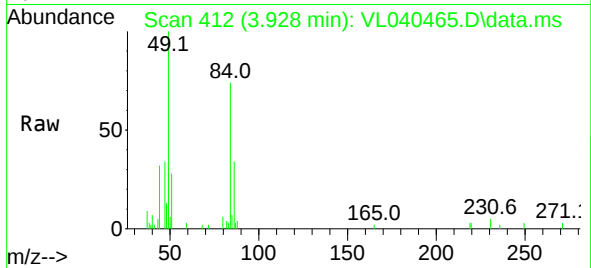




#20
Methylene Chloride
Concen: 0.086 ppbv
RT: 3.928 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

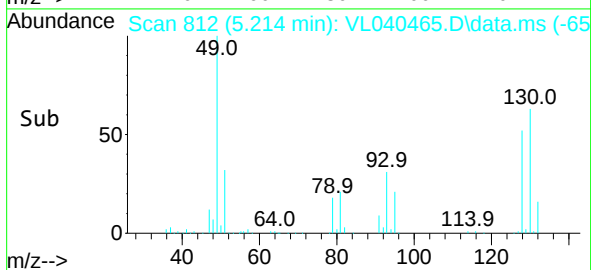
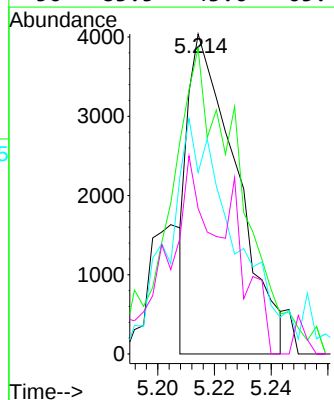
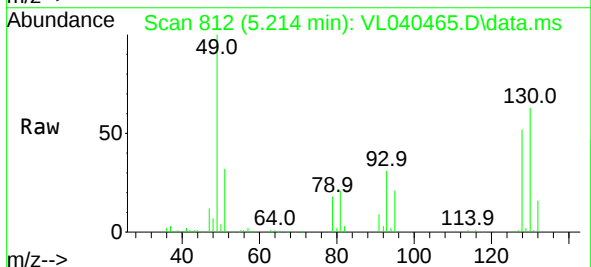
Instrument :
MSVOA_L
ClientSampleId :
VL0615ABL01

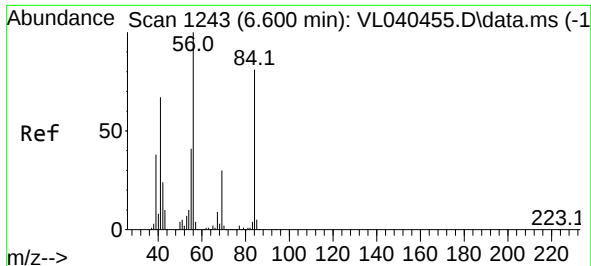
Tgt Ion: 84 Resp: 4444
Ion Ratio Lower Upper
84 100
49 136.0 126.2 189.2
51 38.3 38.7 58.1#
86 42.6 50.6 75.8#



#26
Hexane
Concen: 0.046 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

Tgt Ion: 57 Resp: 4769
Ion Ratio Lower Upper
57 100
41 142.8 73.0 109.6#
43 113.9 177.5 266.3#
56 83.5 43.6 65.4#

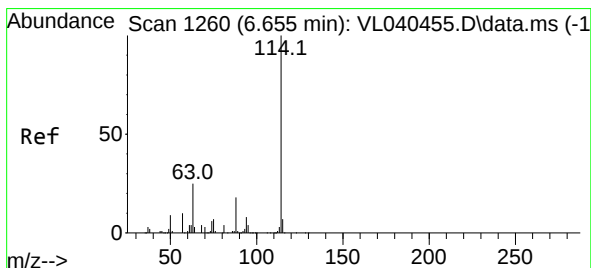
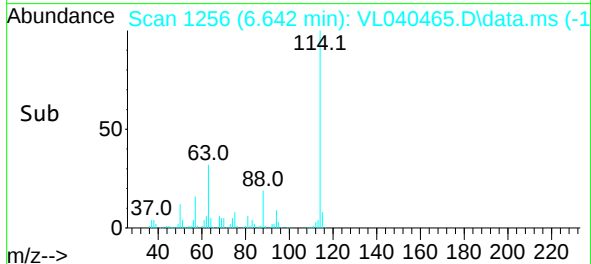
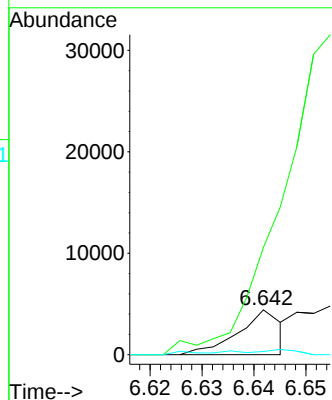
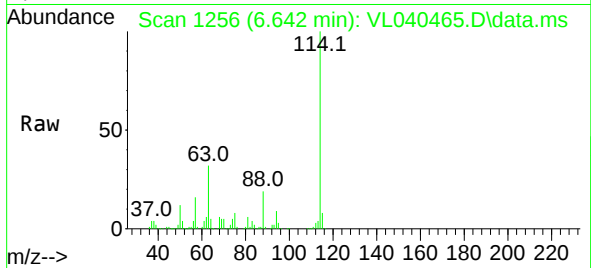




#30
Cyclohexane
Concen: 0.030 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. 0.042 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

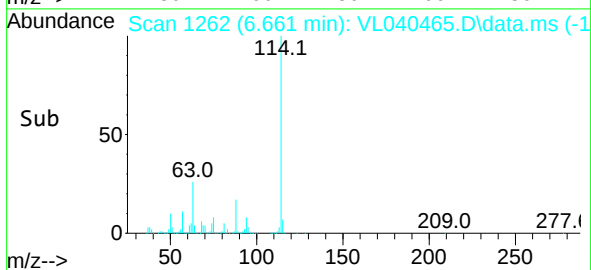
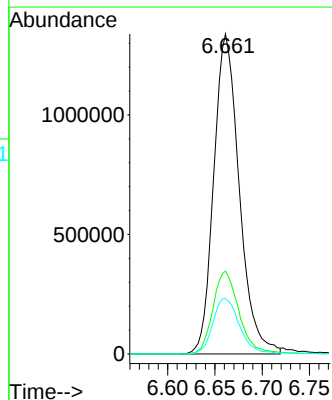
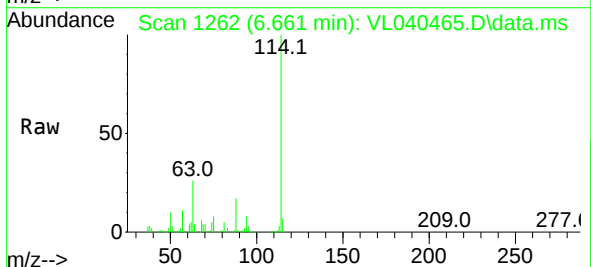
Instrument :
MSVOA_1
ClientSampleId :
VL0615ABL01

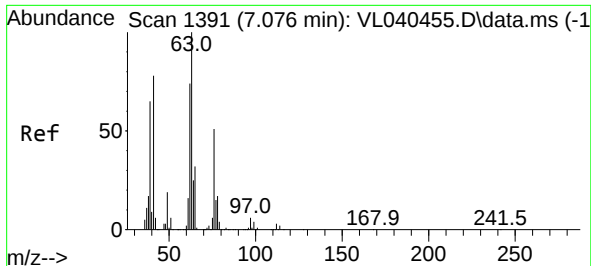
Tgt Ion: 84 Resp: 2560
Ion Ratio Lower Upper
84 100
56 0.0 106.0 159.0#
41 19.9 66.8 100.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VL040465.D
Acq: 15 Jun 2023 13:13

Tgt Ion: 114 Resp: 2513403
Ion Ratio Lower Upper
114 100
63 26.8 21.0 31.6
88 18.3 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.576 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL040465.D

Acq: 15 Jun 2023 13:13

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABL01

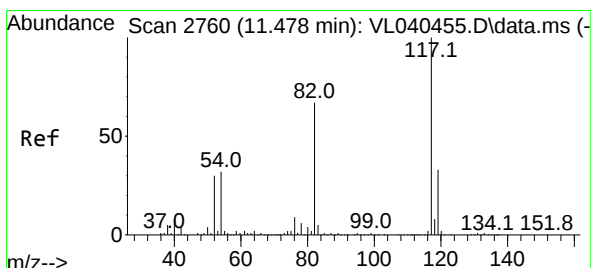
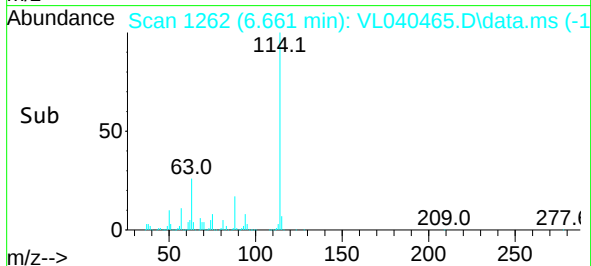
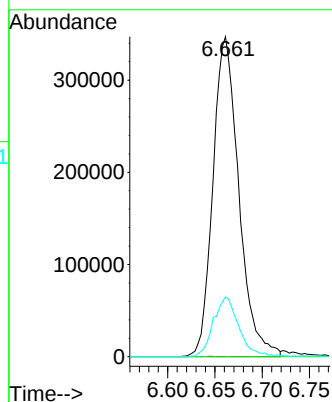
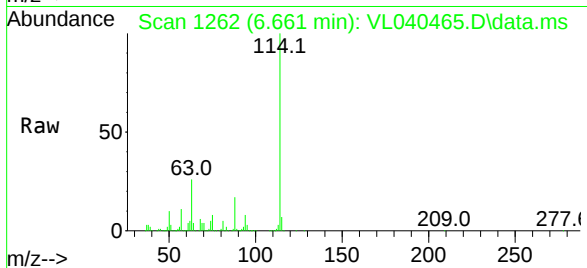
Tgt Ion: 63 Resp: 660937

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.2#

62 18.7 59.0 88.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2761

Delta R.T. 0.003 min

Lab File: VL040465.D

Acq: 15 Jun 2023 13:13

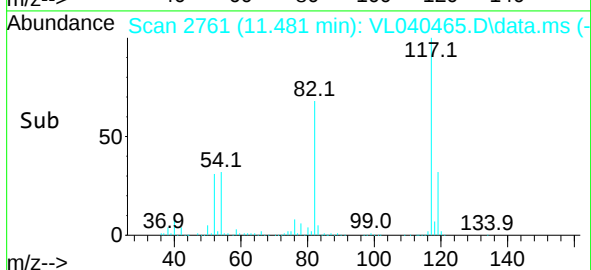
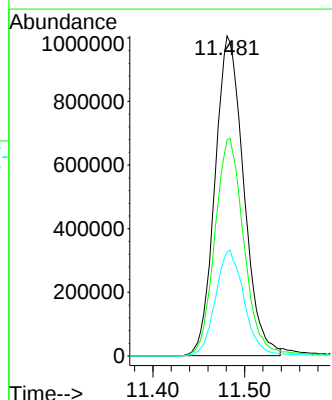
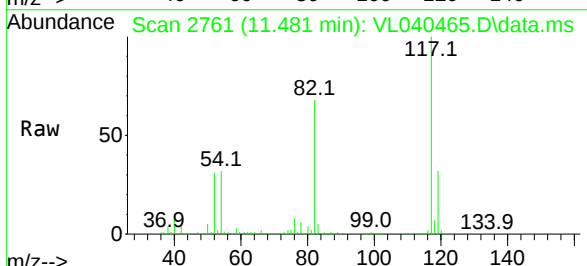
Tgt Ion: 117 Resp: 2185961

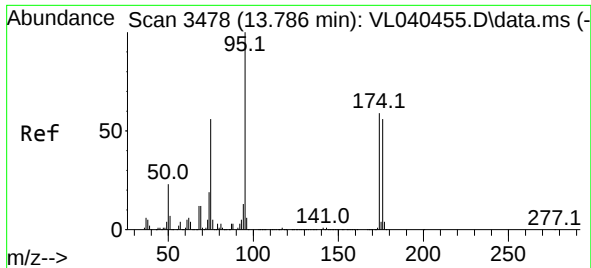
Ion Ratio Lower Upper

117 100

82 70.2 53.0 79.4

119 33.6 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.055 ppbv
 RT: 13.793 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL040465.D
 Acq: 15 Jun 2023 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABL01

Tgt Ion: 95 Resp: 1814035
 Ion Ratio Lower Upper
 95 100
 174 60.2 47.7 71.5
 175 4.2 3.5 5.3

