

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040289.D
 Acq On : 16 Mar 2023 10:18
 Operator : SY/MD
 Sample : VL0316ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABL01

Quant Time: Mar 17 04:13:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

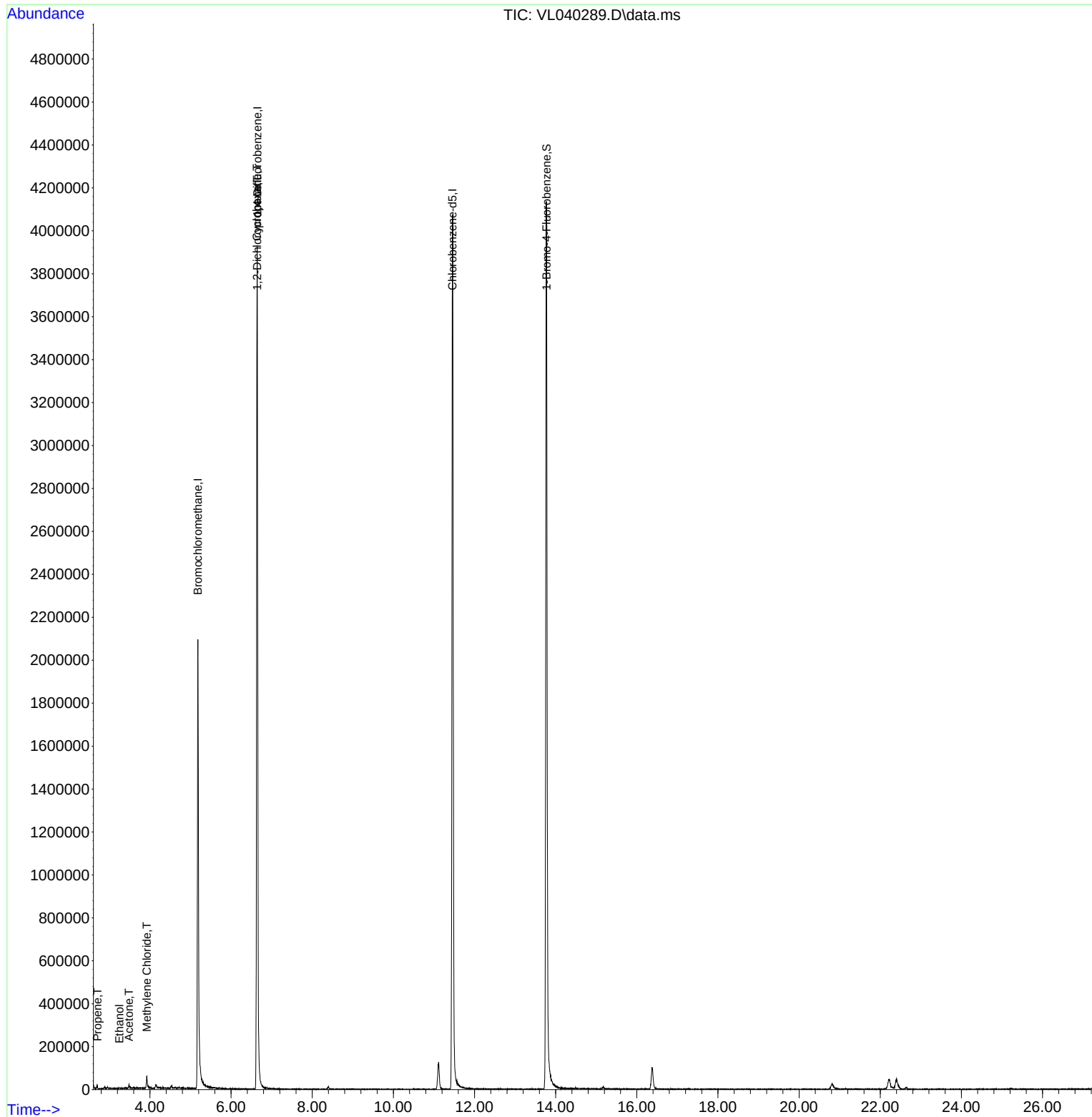
Internal Standards						
1) Bromochloromethane	5.182	49	1067143	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2928986	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2581777	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2110032	9.760	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	2936	0.057	ppbv	86
13) Ethanol	3.247	45	485	0.129	ppbv #	33
15) Acetone	3.484	43	13123	0.101	ppbv #	74
20) Methylene Chloride	3.925	84	9470	0.173	ppbv	91
30) Cyclohexane	6.639	84	6275	0.080	ppbv #	1
39) 1,2-Dichloropropane	6.642	63	753761	8.607	ppbv #	24

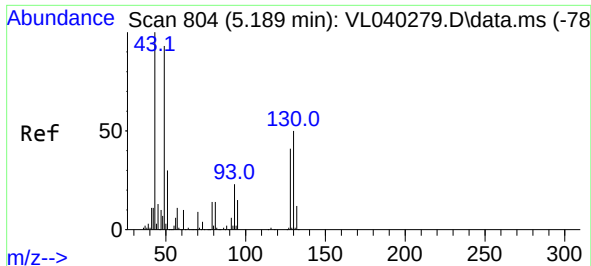
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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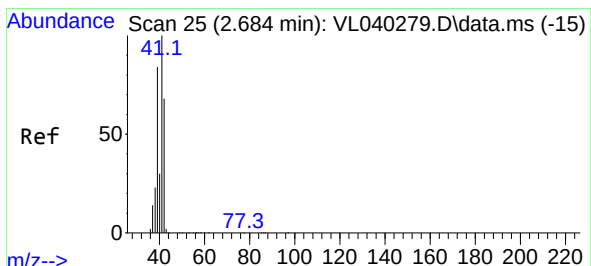
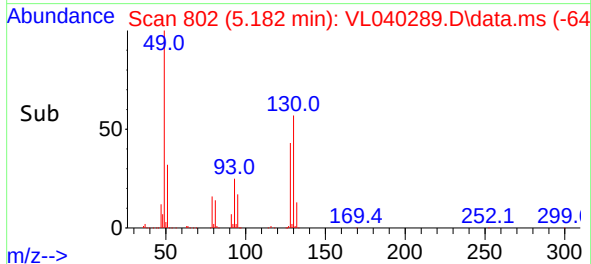
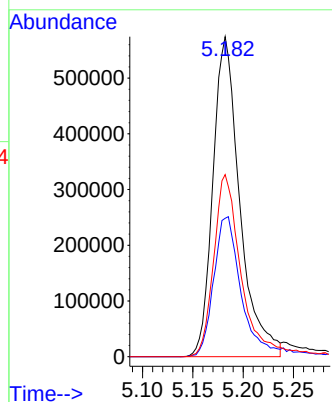
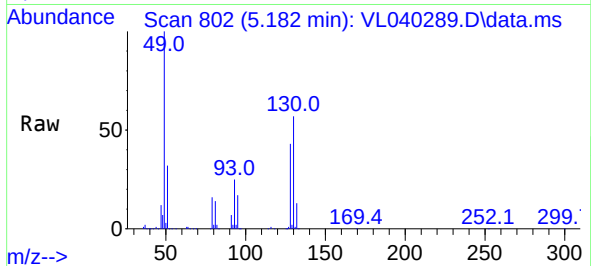




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

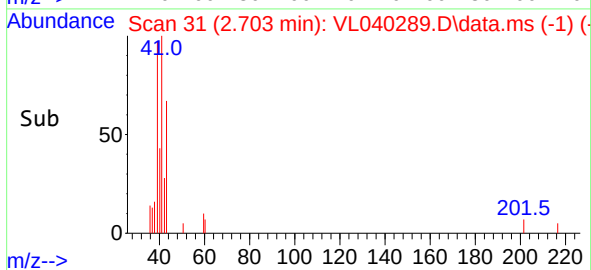
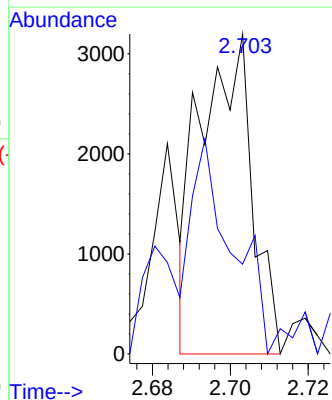
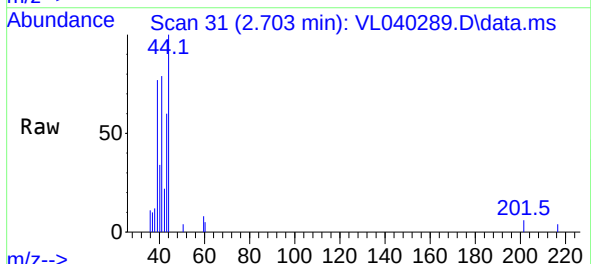
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABL01

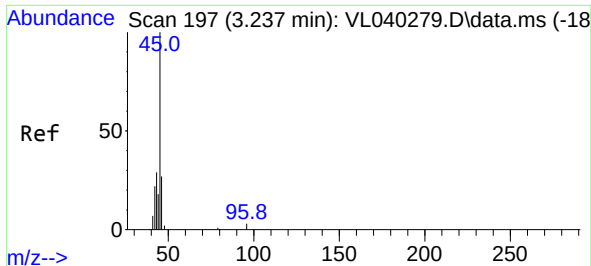
Tgt Ion: 49 Resp: 1067143
Ion Ratio Lower Upper
49 100
128 47.6 22.4 67.3
130 60.4 28.7 86.1



#9
Propene
Concen: 0.057 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

Tgt Ion: 41 Resp: 2936
Ion Ratio Lower Upper
41 100
42 85.4 59.0 88.4

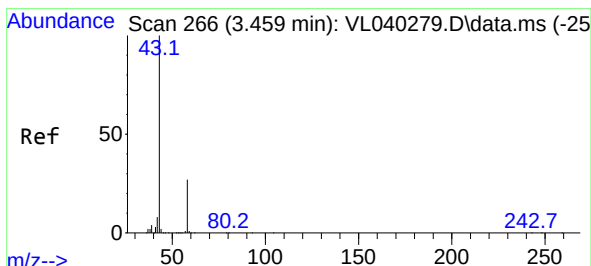
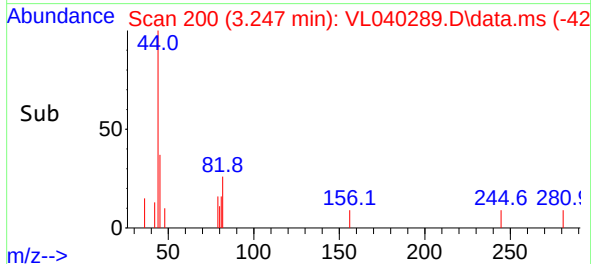
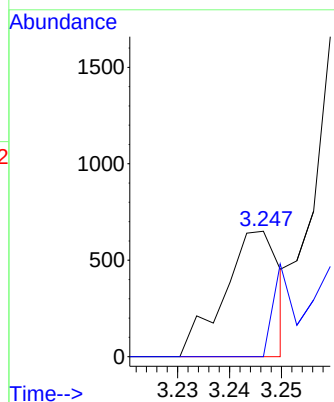
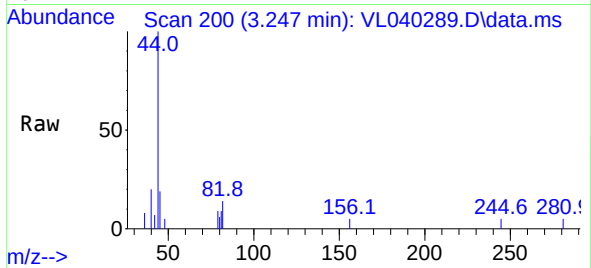




#13
Ethanol
Concen: 0.129 ppbv
RT: 3.247 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

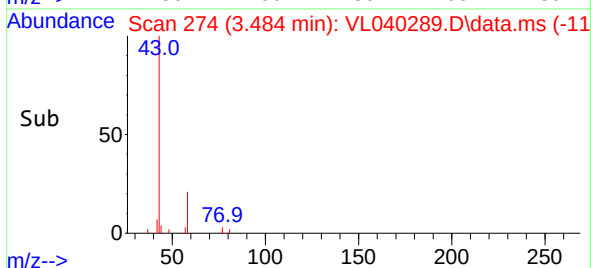
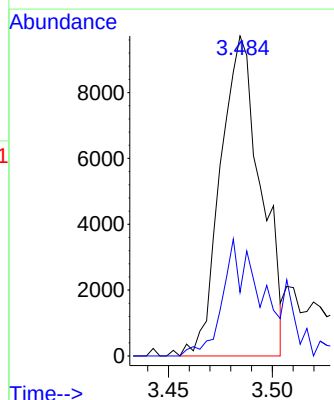
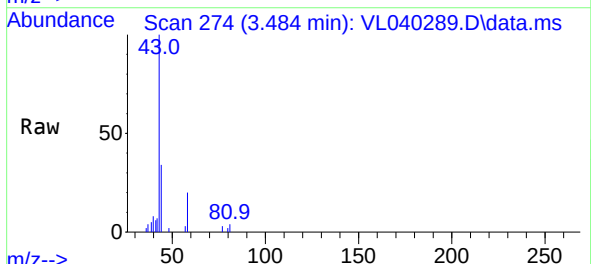
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABL01

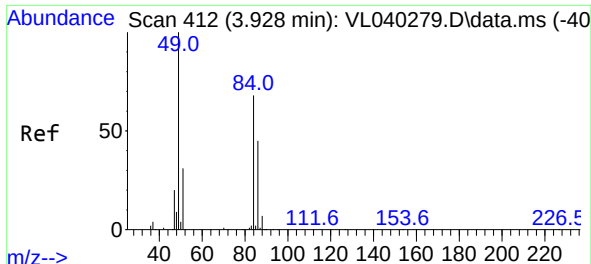
Tgt Ion: 45 Resp: 485
Ion Ratio Lower Upper
45 100
46 77.5 15.0 60.2#



#15
Acetone
Concen: 0.101 ppbv
RT: 3.484 min Scan# 274
Delta R.T. 0.025 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

Tgt Ion: 43 Resp: 13123
Ion Ratio Lower Upper
43 100
58 40.9 21.8 32.8#

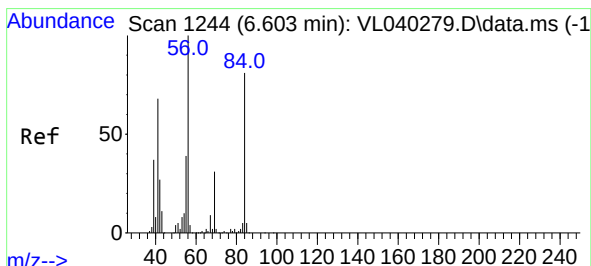
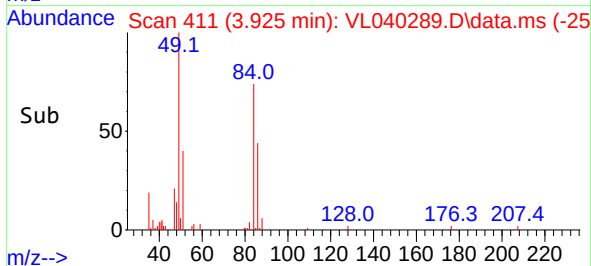
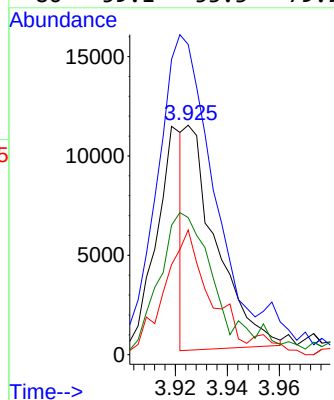
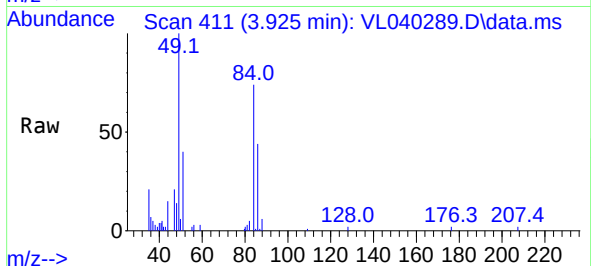




#20
Methylene Chloride
Concen: 0.173 ppbv
RT: 3.925 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

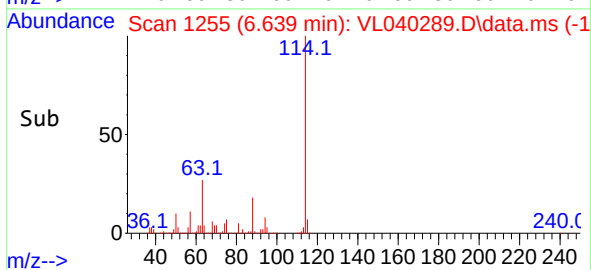
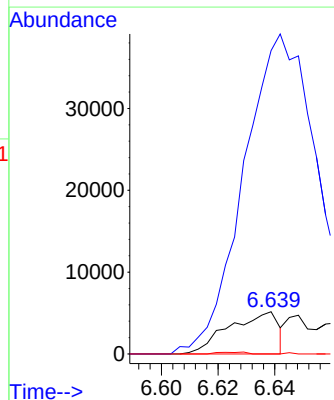
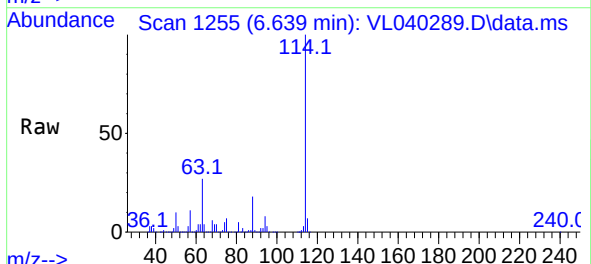
Instrument :
MSVOA_1
ClientSampleId :
VL0316ABL01

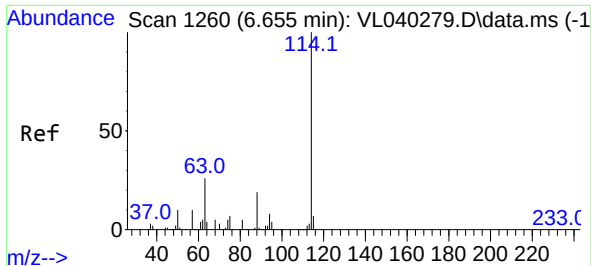
Tgt Ion: 84 Resp: 9470
Ion Ratio Lower Upper
84 100
49 137.1 117.5 176.3
51 52.8 36.9 55.3
86 59.1 53.3 79.9



#30
Cyclohexane
Concen: 0.080 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.036 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

Tgt Ion: 84 Resp: 6275
Ion Ratio Lower Upper
84 100
56 1225.2 109.0 163.4#
41 3.0 67.9 101.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040289.D

Acq: 16 Mar 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABL01

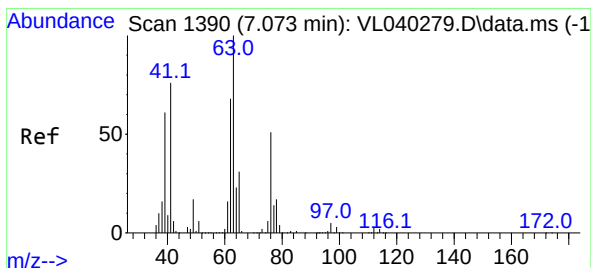
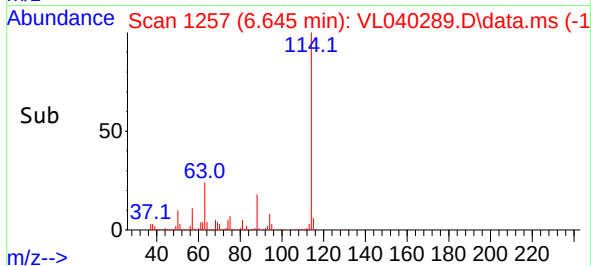
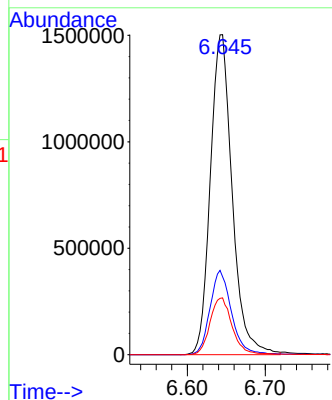
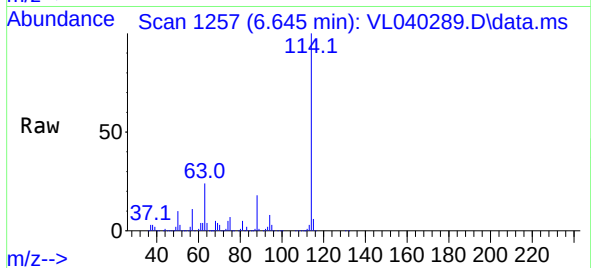
Tgt Ion:114 Resp: 2928986

Ion Ratio Lower Upper

114 100

63 26.1 21.2 31.8

88 18.2 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.607 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.431 min

Lab File: VL040289.D

Acq: 16 Mar 2023 10:18

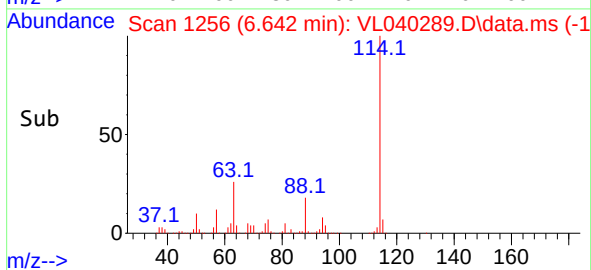
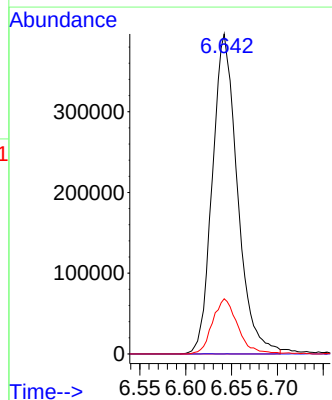
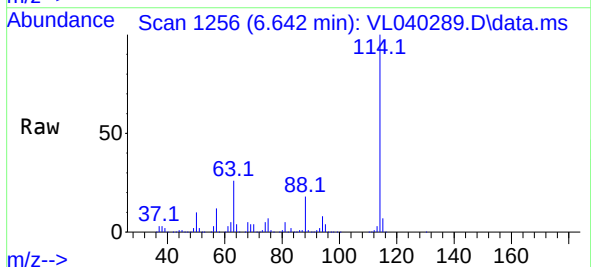
Tgt Ion: 63 Resp: 753761

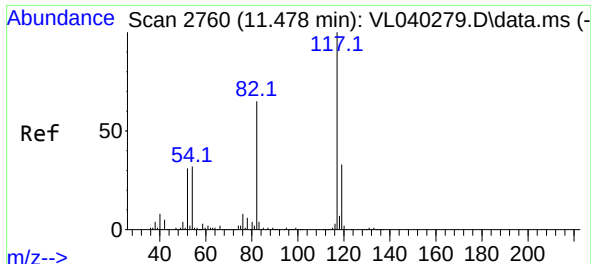
Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 17.3 54.1 81.1#

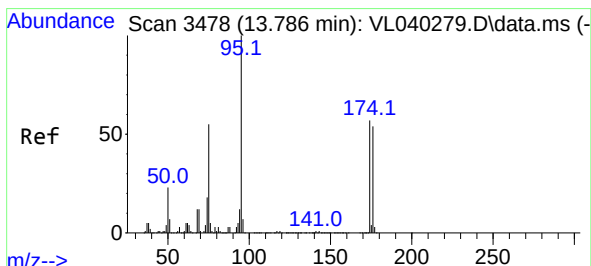
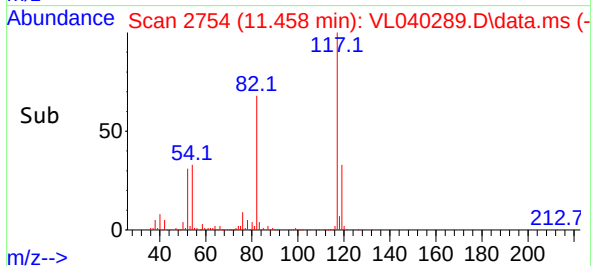
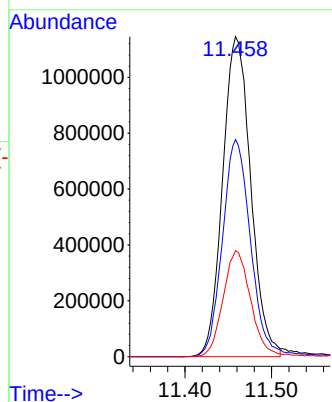
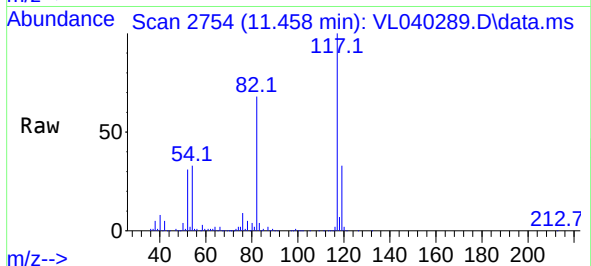




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.020 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

Instrument :
MSVOA_1
ClientSampleId :
VL0316ABL01

Tgt Ion:117 Resp: 2581777
Ion Ratio Lower Upper
117 100
82 69.0 51.4 77.2
119 33.0 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.760 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. -0.013 min
Lab File: VL040289.D
Acq: 16 Mar 2023 10:18

Tgt Ion: 95 Resp: 2110032
Ion Ratio Lower Upper
95 100
174 59.6 47.0 70.6
175 4.1 3.4 5.2

