

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039734.D
 Acq On : 18 Oct 2022 8:24
 Operator : SY/AP
 Sample : QC101322 CAN 10607
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101322 CAN 10607

Quant Time: Oct 19 05:09:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Oct 18 05:23:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1127140	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	2972810	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2516027	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1785121	9.504	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.000%
Target Compounds						
					Qvalue	
4) Chloromethane	2.854	50	4571	0.057	ppbv #	82
9) Propene	2.738	41	4420	0.072	ppbv #	68
13) Ethanol	3.279	45	171	0.037	ppbv #	23
15) Acetone	3.523	43	15769	0.126	ppbv #	82
20) Methylene Chloride	3.967	84	11103	0.191	ppbv	88
26) Hexane	5.240	57	5551	0.048	ppbv #	55
39) 1,2-Dichloropropane	6.680	63	713695	8.132	ppbv #	24

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

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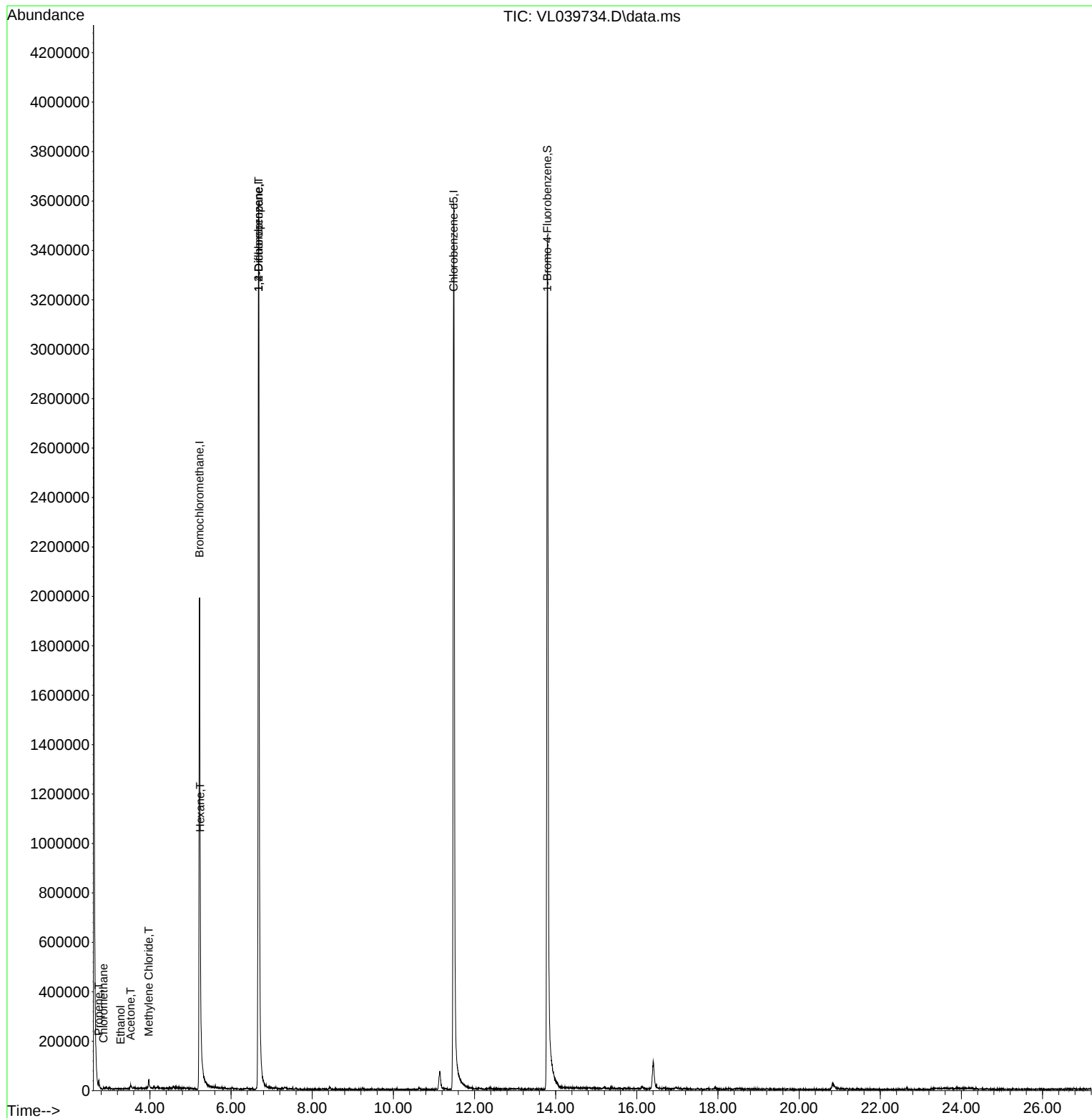
Quant Time: Oct 19 05:09:35 2022

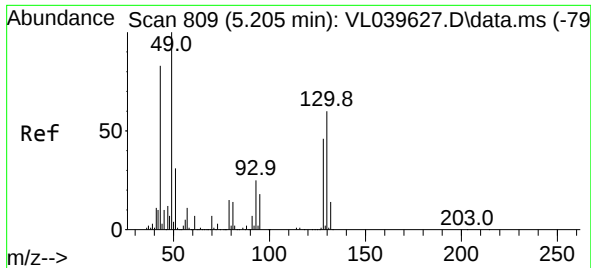
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

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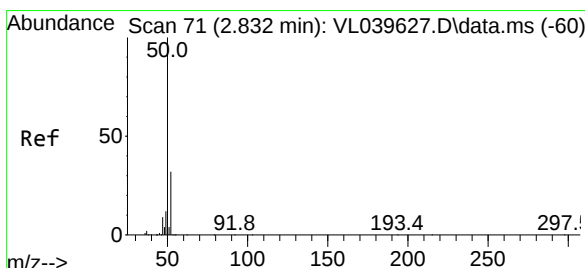
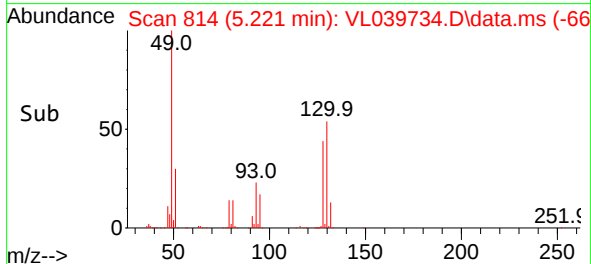
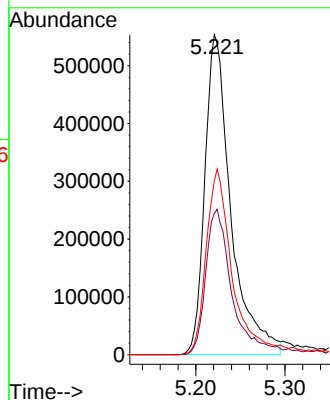
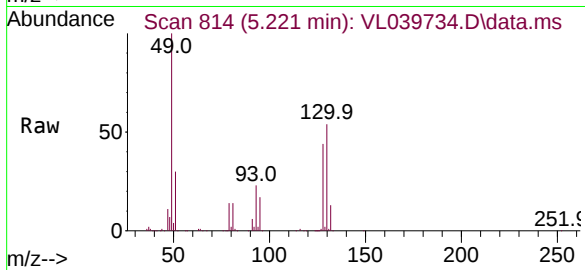




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL039734.D
Acq: 18 Oct 2022 8:24

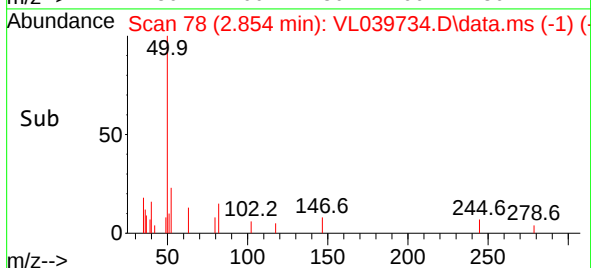
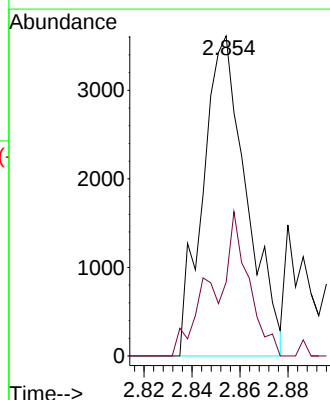
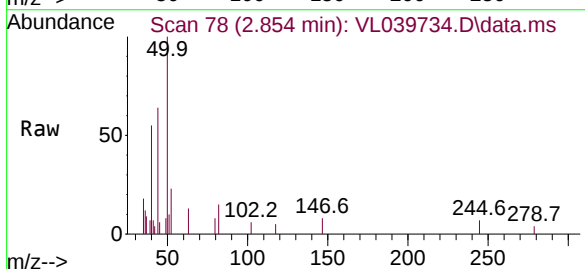
Instrument :
MSVOA_L
ClientSampleId :
QC101322 CAN 10607

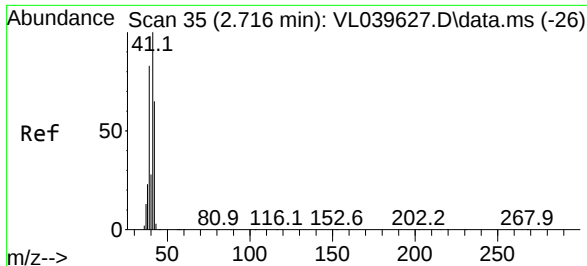
Tgt Ion: 49 Resp: 1127140
Ion Ratio Lower Upper
49 100
128 49.1 26.7 80.0
130 61.5 34.3 102.8



#4
Chloromethane
Concen: 0.057 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL039734.D
Acq: 18 Oct 2022 8:24

Tgt Ion: 50 Resp: 4571
Ion Ratio Lower Upper
50 100
52 23.0 26.5 39.7





#9

Propene

Concen: 0.072 ppbv

RT: 2.738 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL039734.D

Acq: 18 Oct 2022 8:24

Instrument :

MSVOA_L

ClientSampleId :

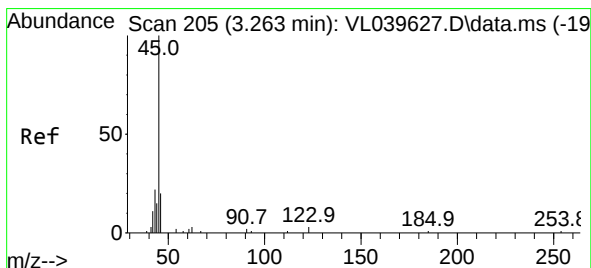
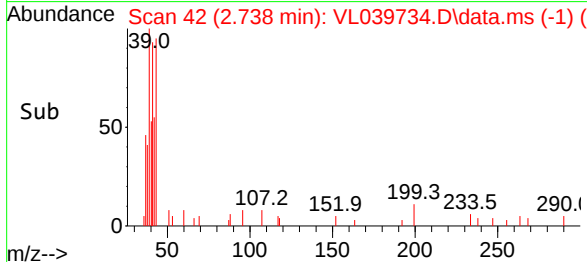
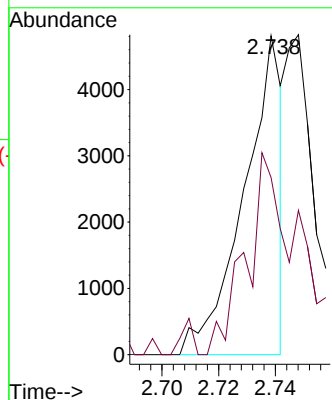
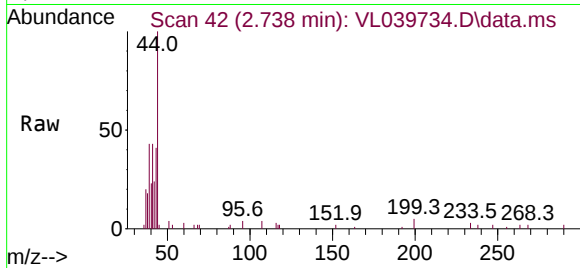
QC101322 CAN 10607

Tgt Ion: 41 Resp: 4420

Ion Ratio Lower Upper

41 100

42 95.2 55.2 82.8#



#13

Ethanol

Concen: 0.037 ppbv

RT: 3.279 min Scan# 210

Delta R.T. -0.003 min

Lab File: VL039734.D

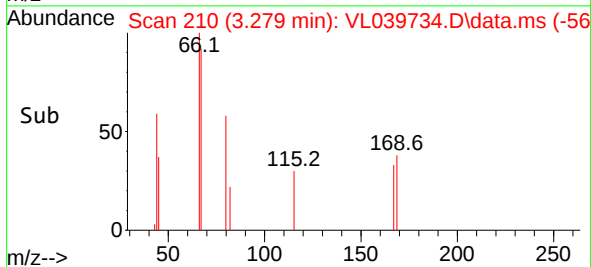
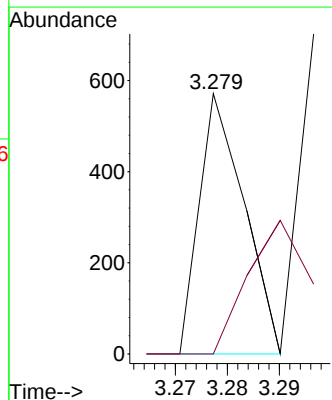
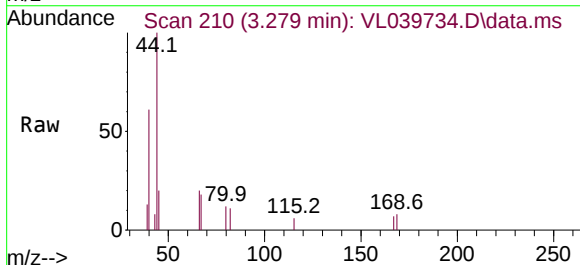
Acq: 18 Oct 2022 8:24

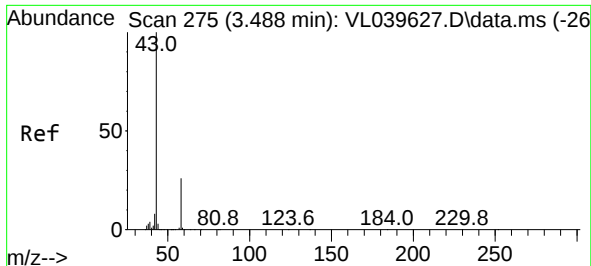
Tgt Ion: 45 Resp: 171

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#

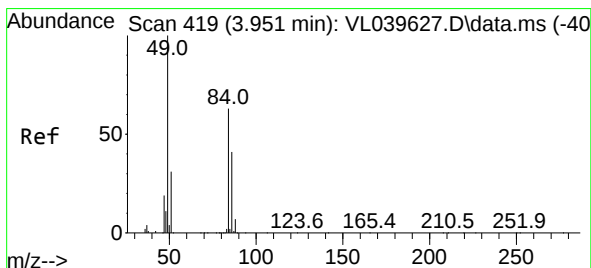
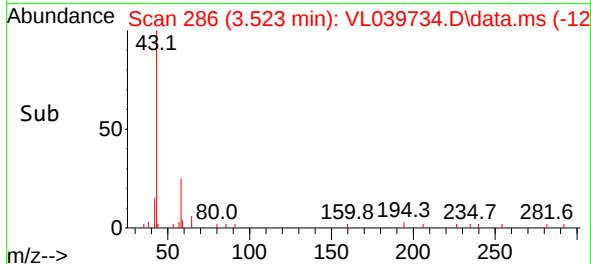
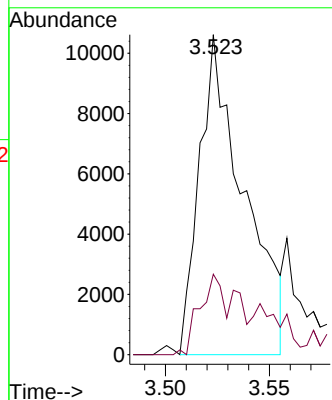
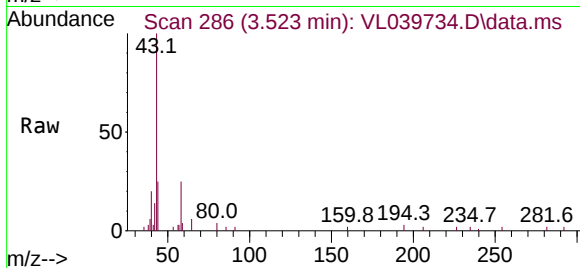




#15
Acetone
Concen: 0.126 ppbv
RT: 3.523 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL039734.D
Acq: 18 Oct 2022 8:24

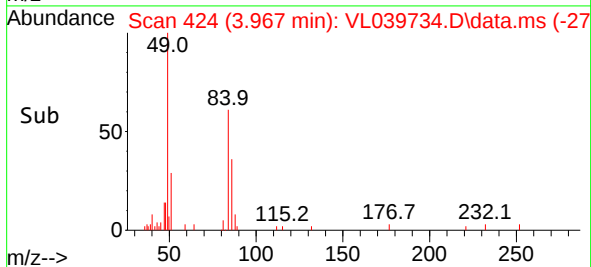
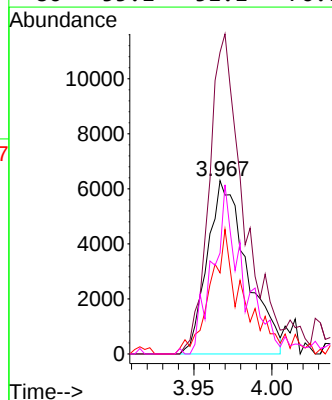
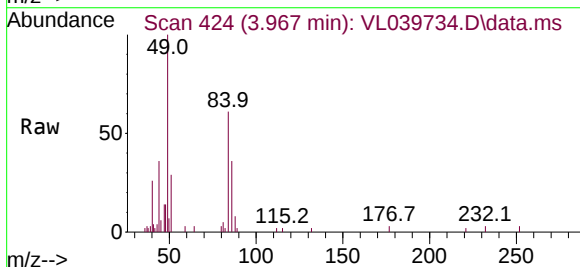
Instrument :
MSVOA_L
ClientSampleId :
QC101322 CAN 10607

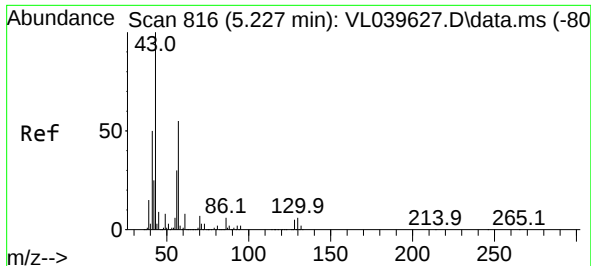
Tgt Ion: 43 Resp: 15769
Ion Ratio Lower Upper
43 100
58 35.7 21.0 31.6#



#20
Methylene Chloride
Concen: 0.191 ppbv
RT: 3.967 min Scan# 424
Delta R.T. -0.003 min
Lab File: VL039734.D
Acq: 18 Oct 2022 8:24

Tgt Ion: 84 Resp: 11103
Ion Ratio Lower Upper
84 100
49 174.2 123.1 184.7
51 43.5 34.4 51.6
86 55.1 51.1 76.7

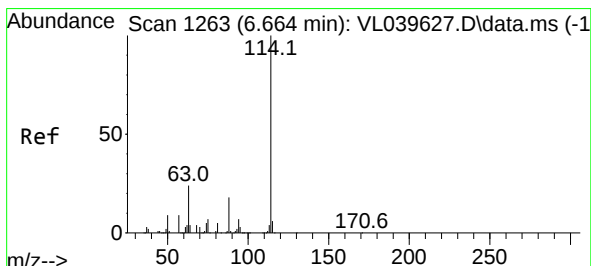
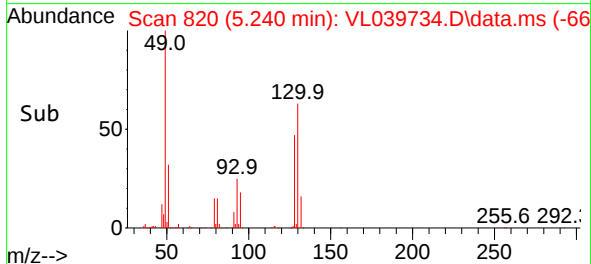
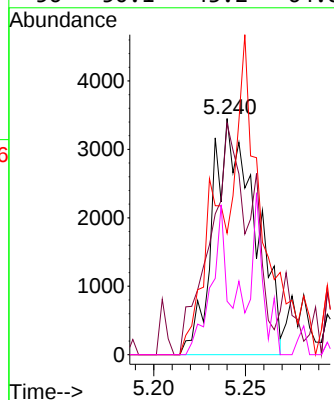
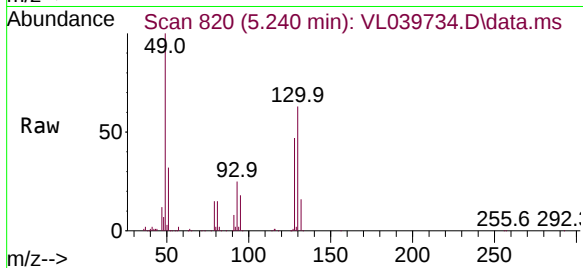




#26
Hexane
Concen: 0.048 ppbv
RT: 5.240 min Scan# 816
Delta R.T. -0.007 min
Lab File: VL039734.D
Acq: 18 Oct 2022 8:24

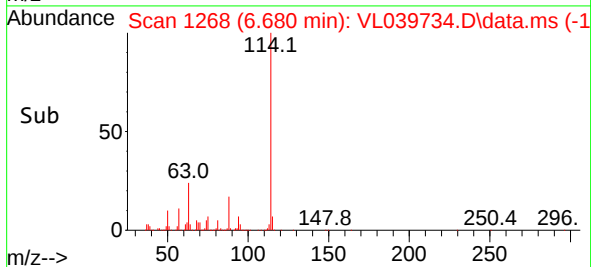
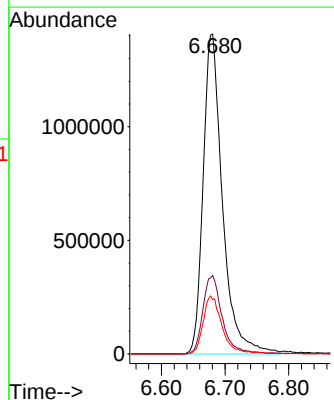
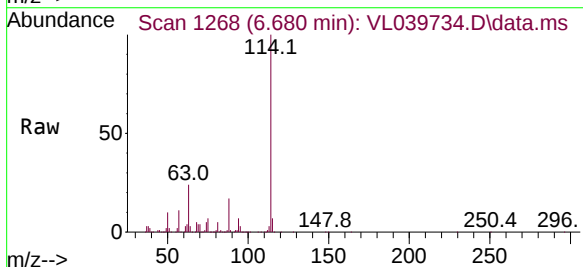
Instrument :
MSVOA_L
ClientSampleId :
QC101322 CAN 10607

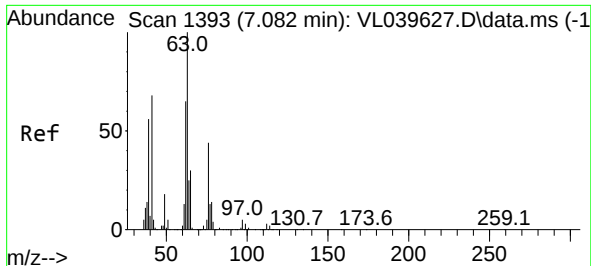
Tgt Ion: 57 Resp: 5551
Ion Ratio Lower Upper
57 100
41 109.9 76.9 115.3
43 126.2 191.0 286.6#
56 50.1 43.2 64.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.680 min Scan# 1268
Delta R.T. -0.007 min
Lab File: VL039734.D
Acq: 18 Oct 2022 8:24

Tgt Ion: 114 Resp: 2972810
Ion Ratio Lower Upper
114 100
63 24.7 20.2 30.4
88 18.0 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.132 ppbv

RT: 6.680 min Scan# 1

Delta R.T. -0.425 min

Lab File: VL039734.D

Acq: 18 Oct 2022 8:24

Instrument :

MSVOA_L

ClientSampleId :

QC101322 CAN 10607

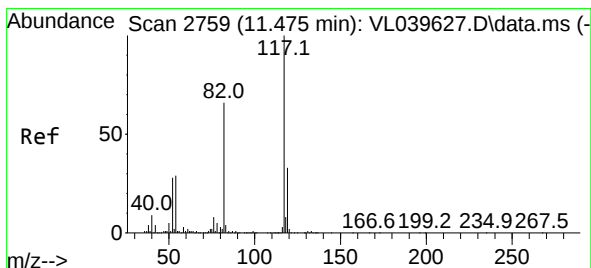
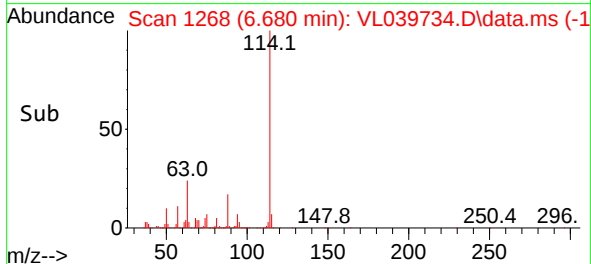
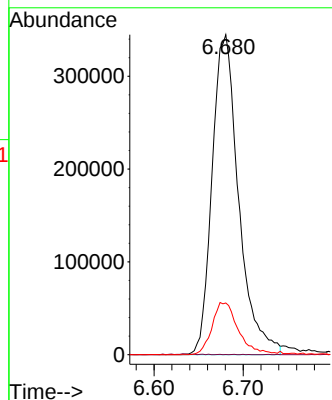
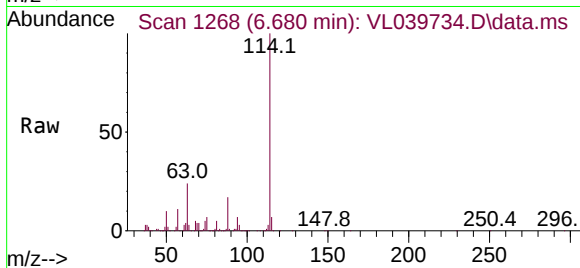
Tgt Ion: 63 Resp: 713695

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 16.1 51.4 77.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.487 min Scan# 2763

Delta R.T. -0.003 min

Lab File: VL039734.D

Acq: 18 Oct 2022 8:24

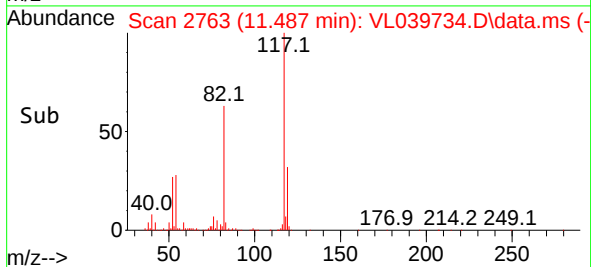
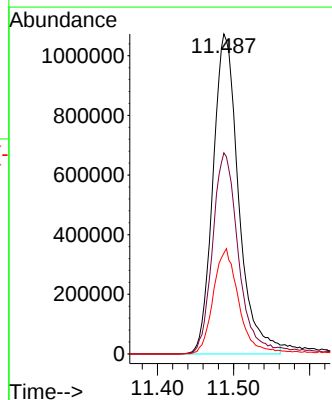
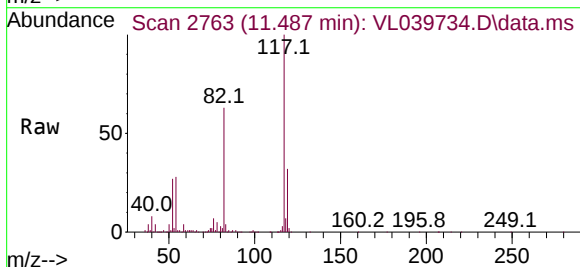
Tgt Ion: 117 Resp: 2516027

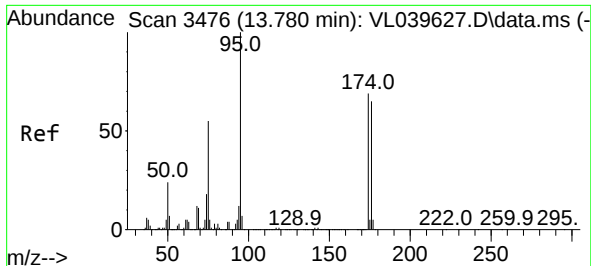
Ion Ratio Lower Upper

117 100

82 66.9 50.8 76.2

119 33.4 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.504 ppbv
 RT: 13.796 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL039734.D
 Acq: 18 Oct 2022 8:24

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101322 CAN 10607

Tgt Ion: 95 Resp: 1785121
 Ion Ratio Lower Upper
 95 100
 174 74.1 55.9 83.9
 175 5.6 4.2 6.4

