

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039573.D
 Acq On : 19 Aug 2022 00:22
 Operator : SY/AP
 Sample : N3980-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 03:07:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

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

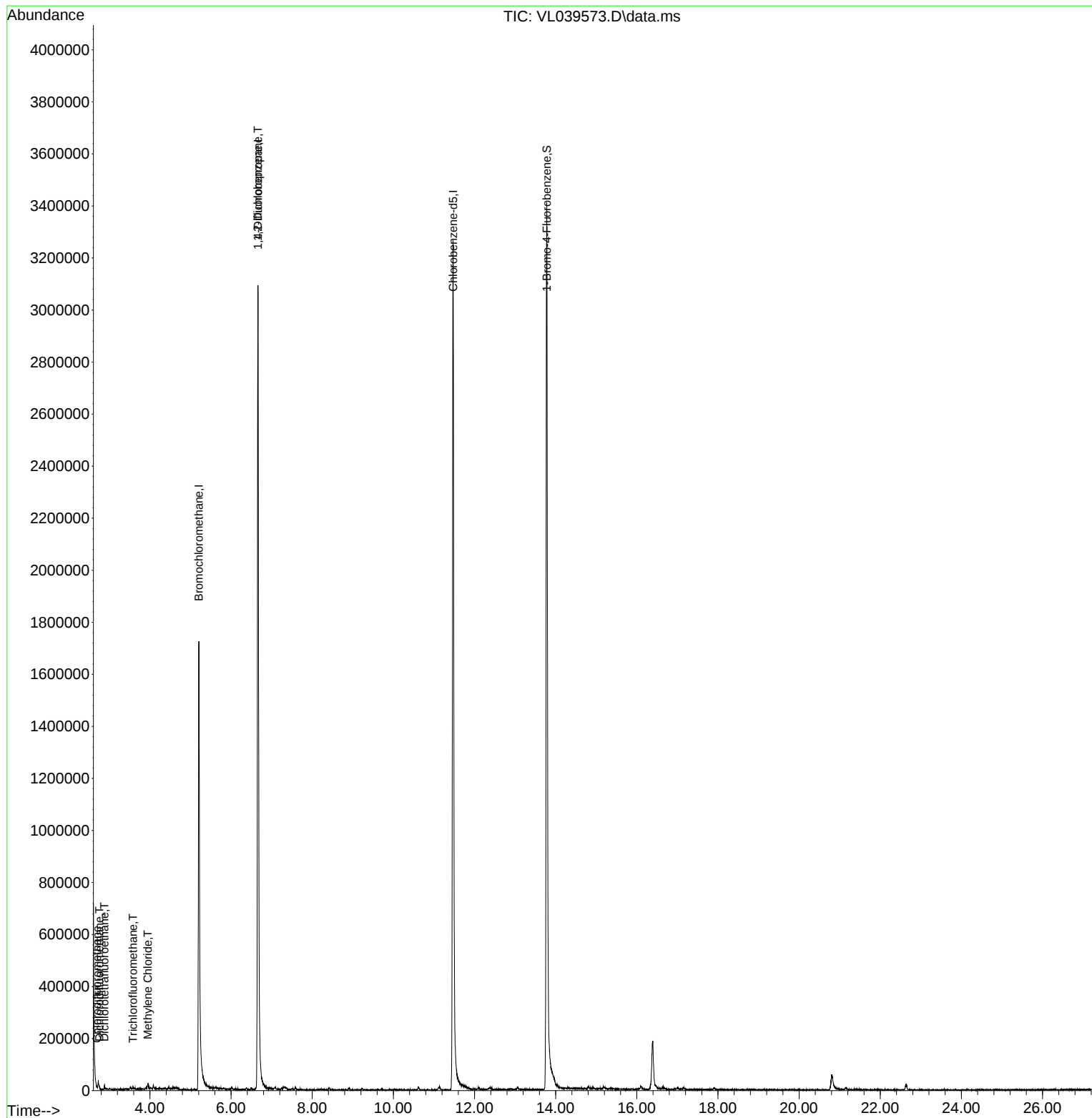
Internal Standards						
1) Bromochloromethane	5.205	49	933688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2459785	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2188123	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1673029	10.157	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	4849	0.039	ppbv	91
3) Chlorodifluoromethane	2.694	51	4170	0.037	ppbv	96
8) Dichlorotetrafluoroethane	2.877	85	4183	0.031	ppbv	89
11) Trichlorofluoromethane	3.584	101	4372	0.032	ppbv #	83
20) Methylene Chloride	3.948	84	3804	0.089	ppbv #	86
39) 1,2-Dichloropropane	6.661	63	598623	8.520	ppbv #	23

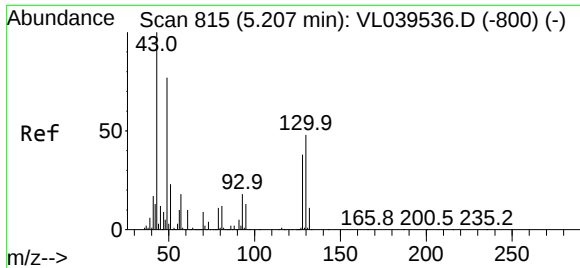
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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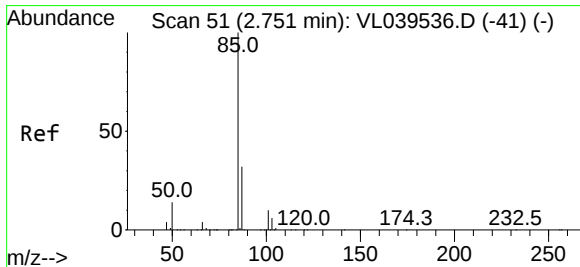
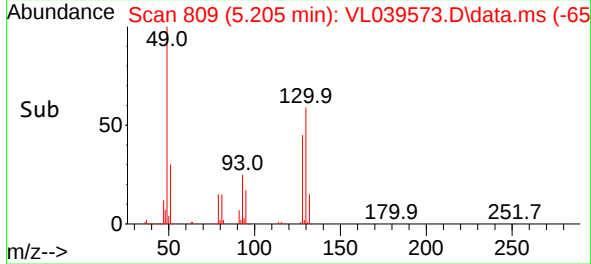
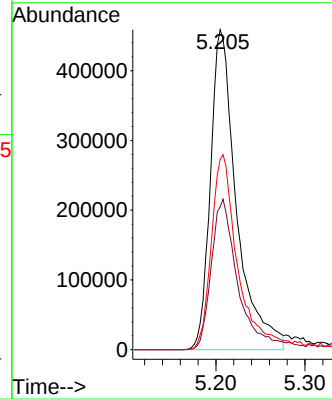
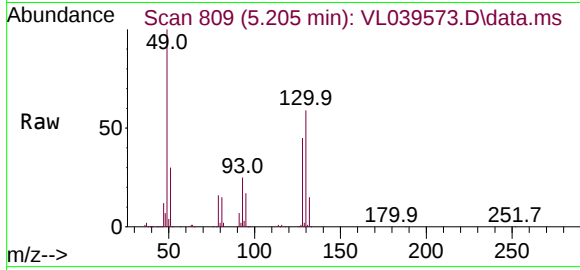




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: VL039573.D
 Acq: 19 Aug 2022 00:22

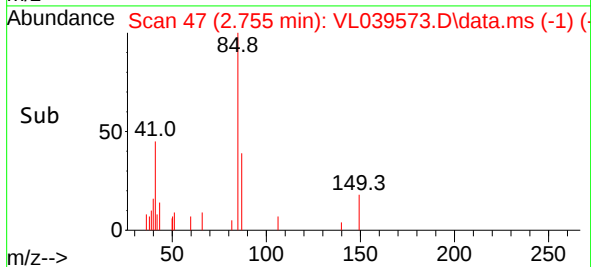
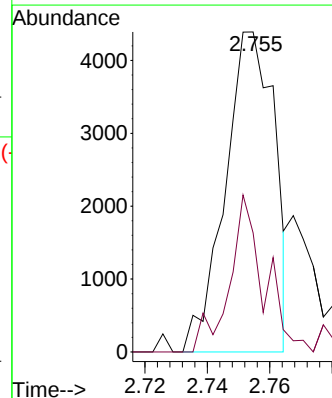
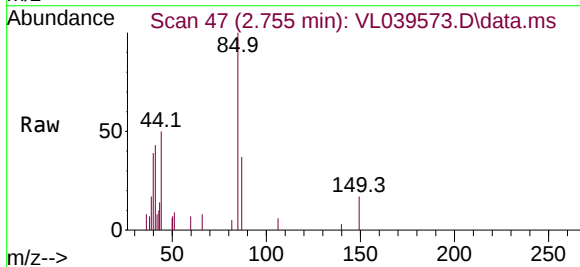
Instrument :
 MSVOA_L
 ClientSampleId :

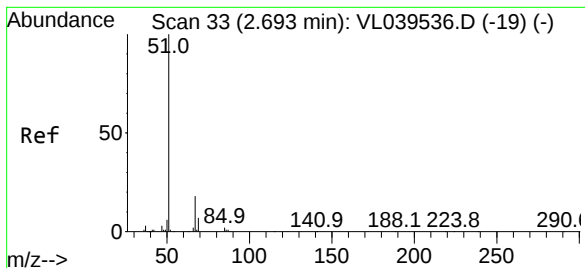
Tgt Ion: 49 Resp: 933688
 Ion Ratio Lower Upper
 49 100
 128 51.0 25.7 77.0
 130 64.0 31.6 95.0



#2
 Dichlorodifluoromethane
 Concen: 0.039 ppbv
 RT: 2.755 min Scan# 47
 Delta R.T. 0.004 min
 Lab File: VL039573.D
 Acq: 19 Aug 2022 00:22

Tgt Ion: 85 Resp: 4849
 Ion Ratio Lower Upper
 85 100
 87 37.2 25.9 38.9

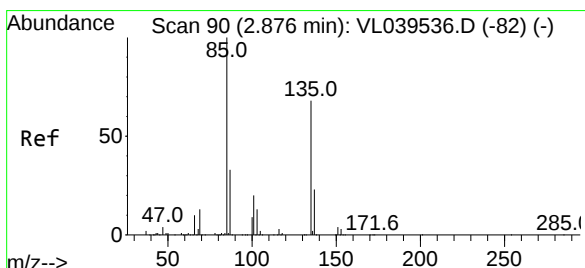
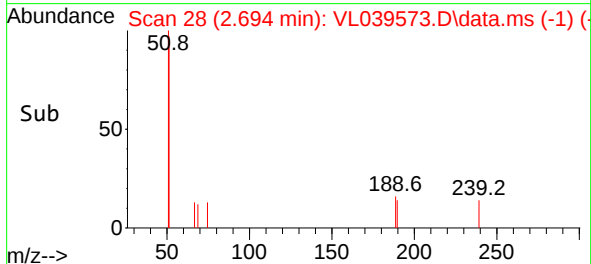
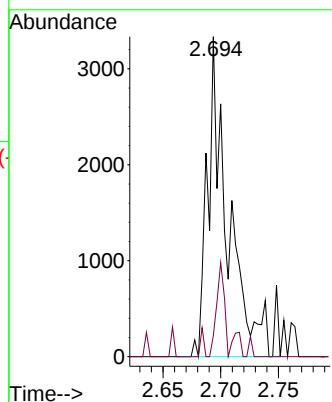
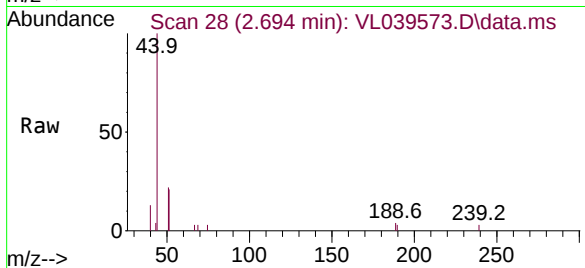




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.694 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

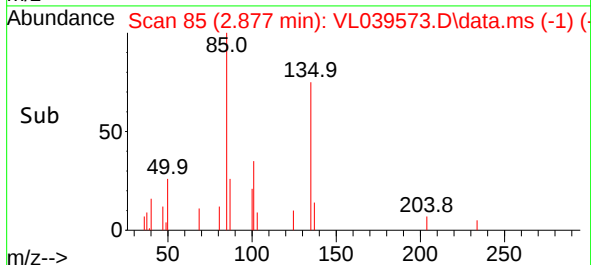
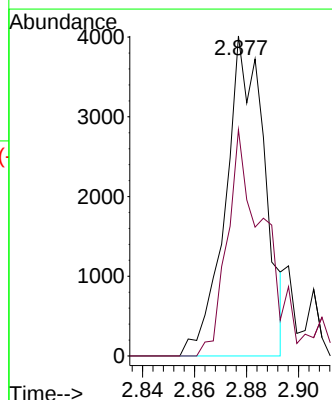
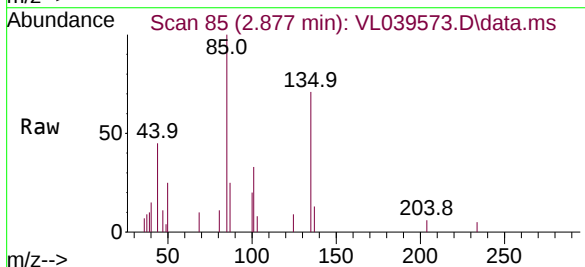
Instrument :
MSVOA_L
ClientSampleId :

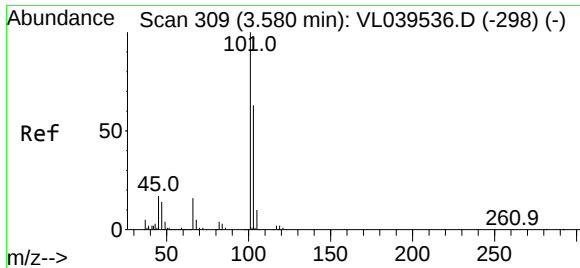
Tgt Ion: 51 Resp: 4170
Ion Ratio Lower Upper
51 100
67 16.4 14.7 22.1



#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.001 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

Tgt Ion: 85 Resp: 4183
Ion Ratio Lower Upper
85 100
135 79.2 56.3 84.5

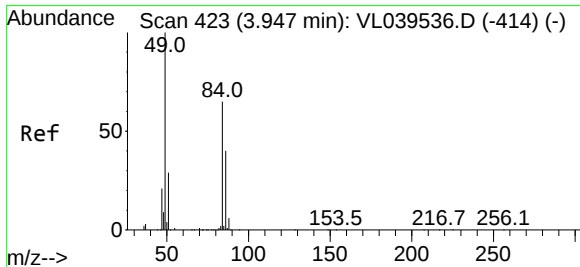
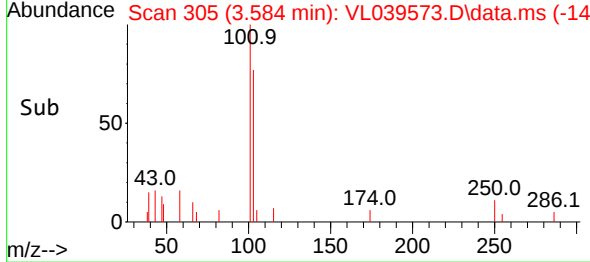
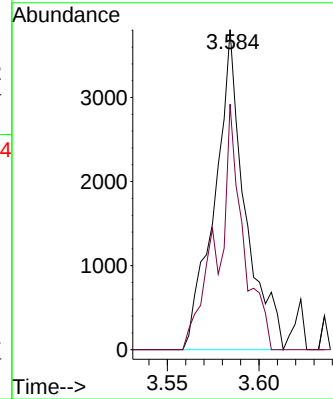
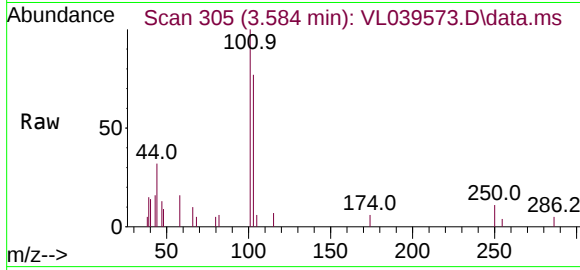




#11
 Trichlorofluoromethane
 Concen: 0.032 ppbv
 RT: 3.584 min Scan# 309
 Delta R.T. 0.004 min
 Lab File: VL039573.D
 Acq: 19 Aug 2022 00:22

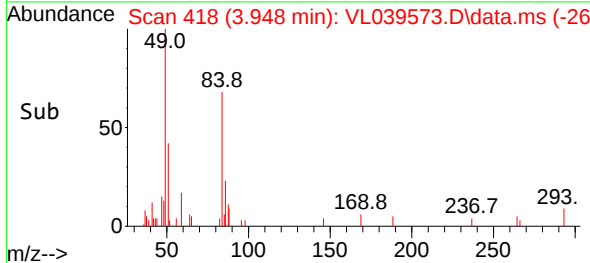
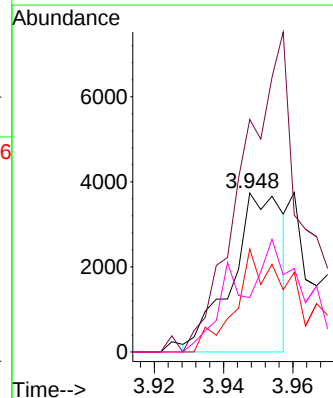
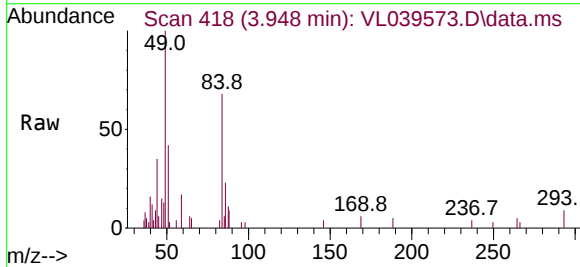
Instrument :
 MSVOA_L
 ClientSampleId :

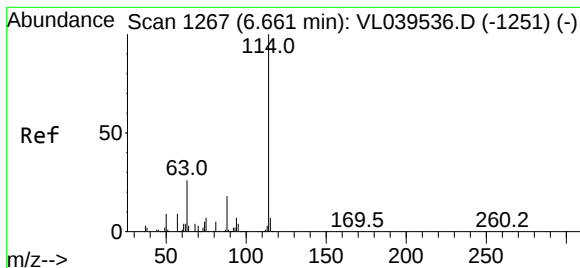
Tgt Ion:101 Resp: 4372
 Ion Ratio Lower Upper
 101 100
 103 76.7 50.6 76.0#



#20
 Methylene Chloride
 Concen: 0.089 ppbv
 RT: 3.948 min Scan# 418
 Delta R.T. 0.001 min
 Lab File: VL039573.D
 Acq: 19 Aug 2022 00:22

Tgt Ion: 84 Resp: 3804
 Ion Ratio Lower Upper
 84 100
 49 153.7 122.2 183.4
 51 68.1 35.8 53.6#
 86 35.9 48.4 72.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.004 min

Lab File: VL039573.D

Acq: 19 Aug 2022 00:22

Instrument :

MSVOA_L

ClientSampleId :

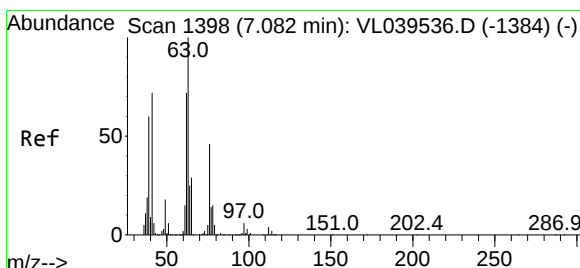
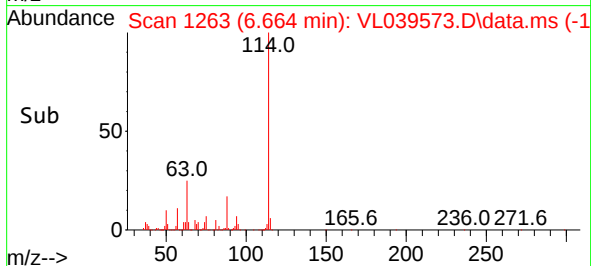
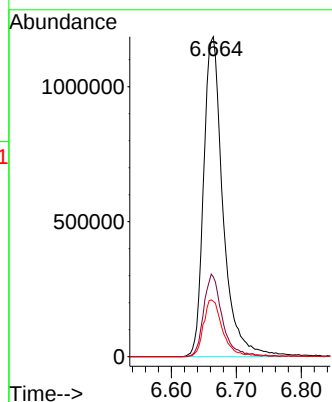
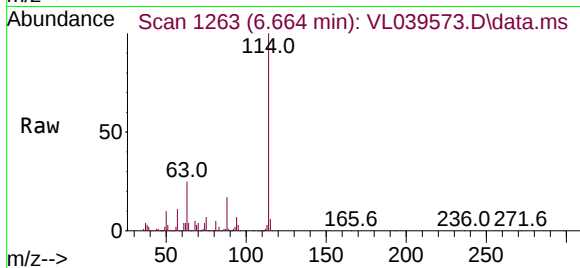
Tgt Ion:114 Resp: 2459785

Ion Ratio Lower Upper

114 100

63 25.2 20.6 31.0

88 17.7 14.6 22.0



#39

1,2-Dichloropropane

Concen: 8.520 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. -0.420 min

Lab File: VL039573.D

Acq: 19 Aug 2022 00:22

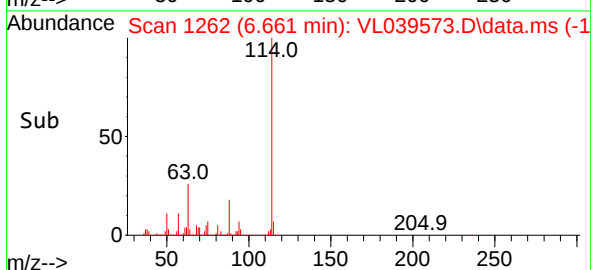
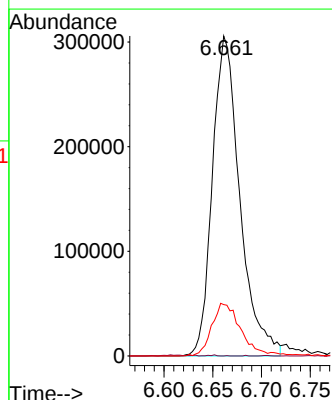
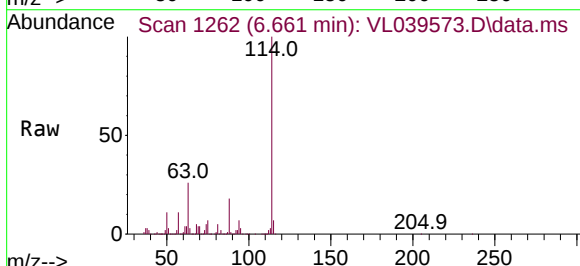
Tgt Ion: 63 Resp: 598623

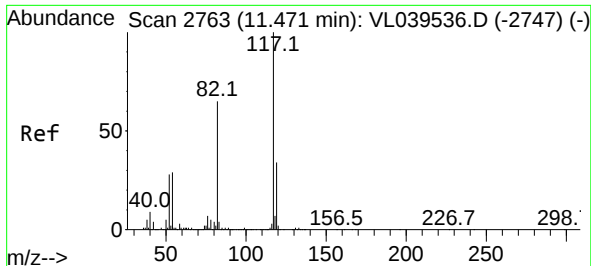
Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

62 16.1 57.8 86.8#

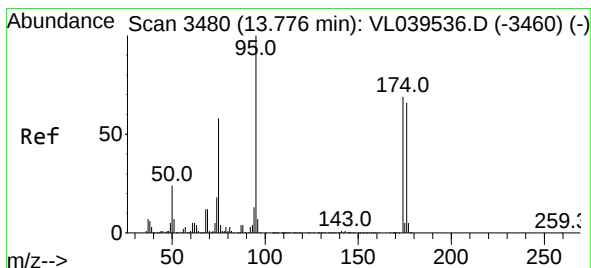
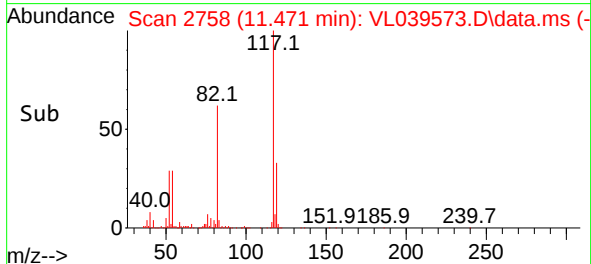
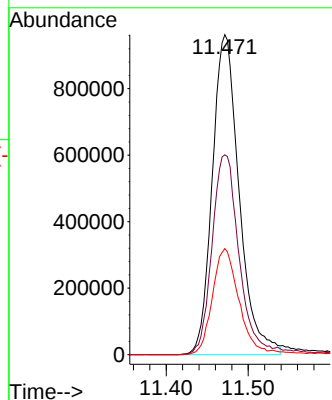
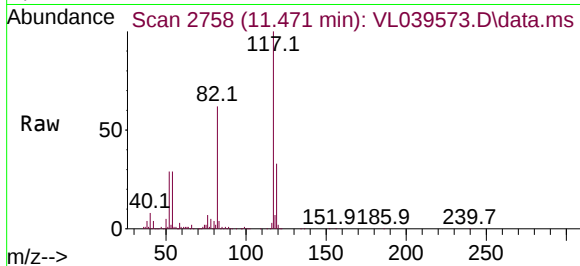




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2188123
Ion Ratio Lower Upper
117 100
82 65.1 49.1 73.7
119 34.0 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.157 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.004 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

Tgt Ion: 95 Resp: 1673029
Ion Ratio Lower Upper
95 100
174 71.8 56.3 84.5
175 5.4 4.3 6.5

