

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039570.D
 Acq On : 18 Aug 2022 22:24
 Operator : SY/AP
 Sample : N3980-13 0.03 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 03:06:29 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)

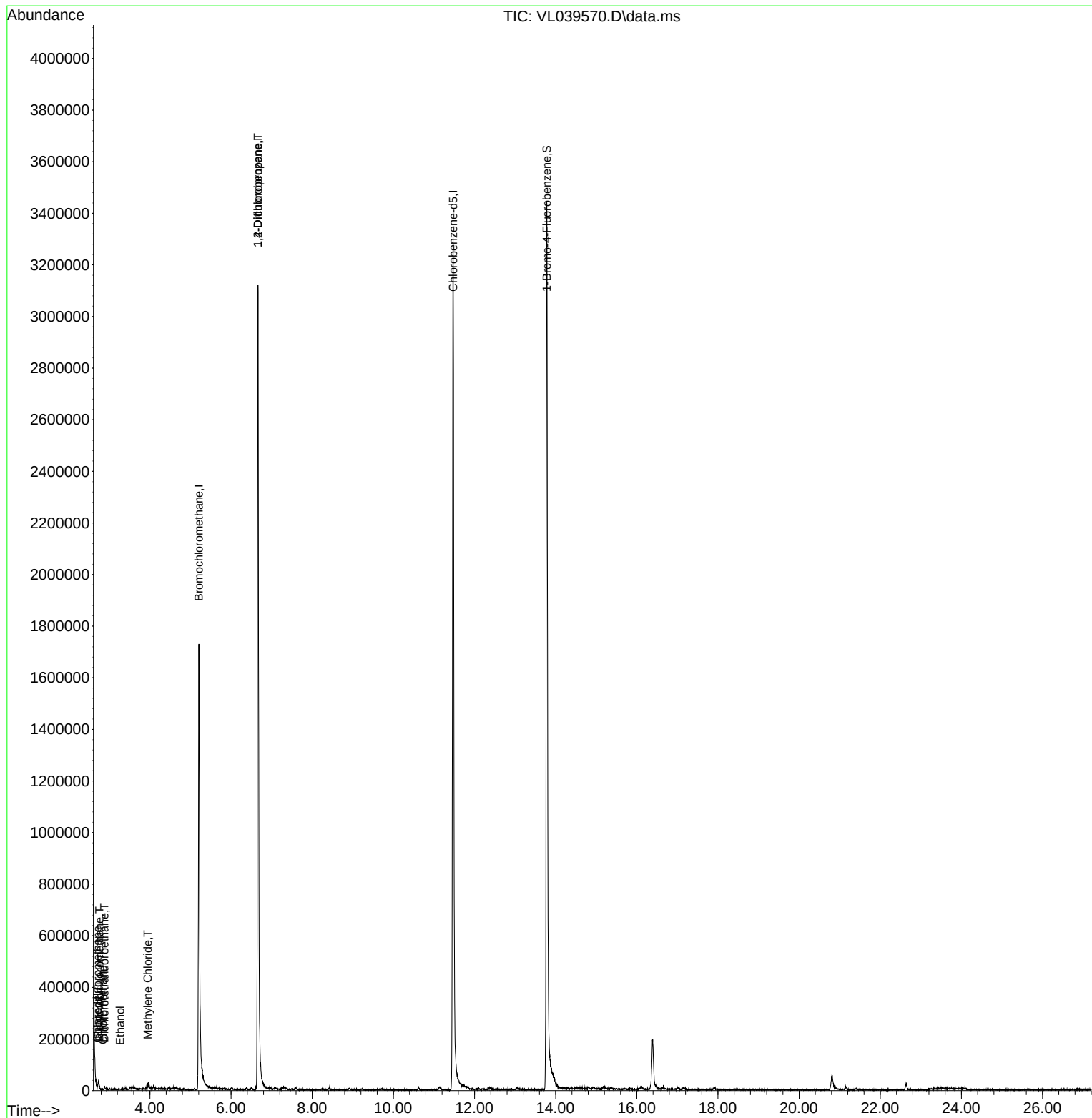
Internal Standards						
1) Bromochloromethane	5.205	49	913696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2448413	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2178417	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1701717	10.377	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	5450	0.044	ppbv	94
3) Chlorodifluoromethane	2.706	51	4692	0.043	ppbv	98
4) Chloromethane	2.838	50	2247	0.034	ppbv #	69
8) Dichlorotetrafluoroethane	2.877	85	4126	0.031	ppbv #	79
9) Propene	2.719	41	3553	0.071	ppbv #	1
13) Ethanol	3.263	45	125	0.035	ppbv	81
20) Methylene Chloride	3.948	84	2699	0.064	ppbv #	89
39) 1,2-Dichloropropane	6.664	63	606558	8.673	ppbv #	25

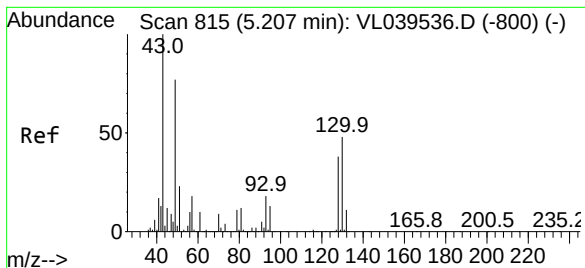
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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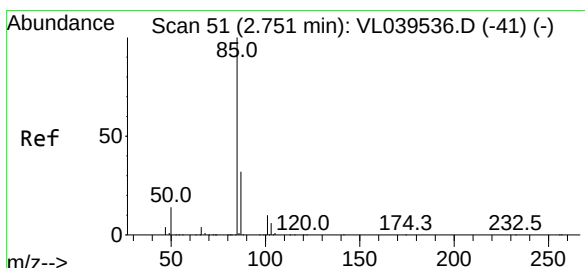
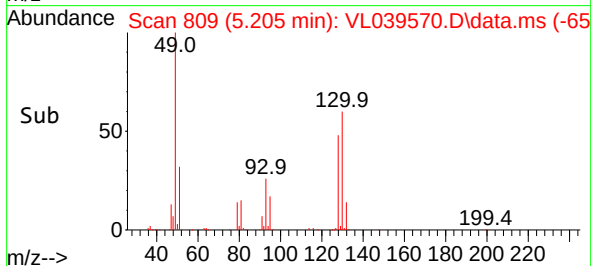
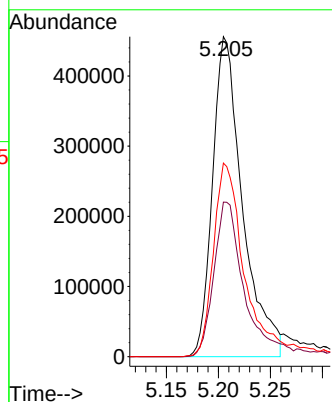
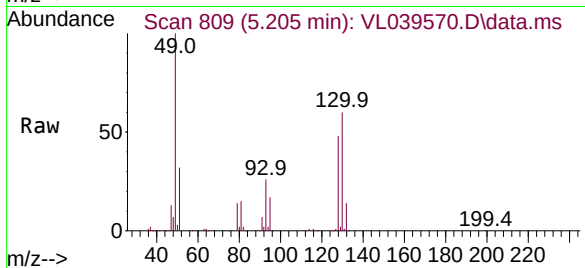




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: VL039570.D
 Acq: 18 Aug 2022 22:24

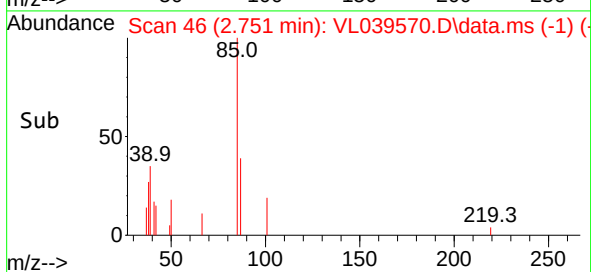
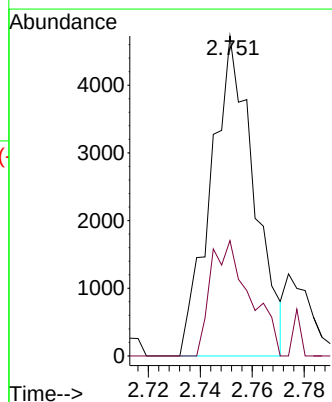
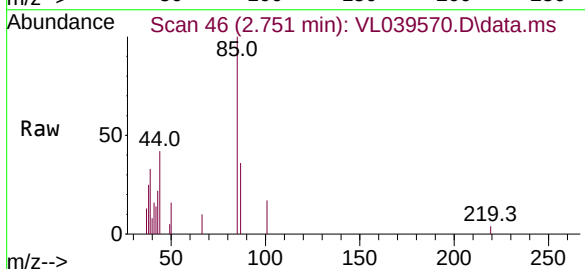
Instrument :
 MSVOA_L
 ClientSampleId :

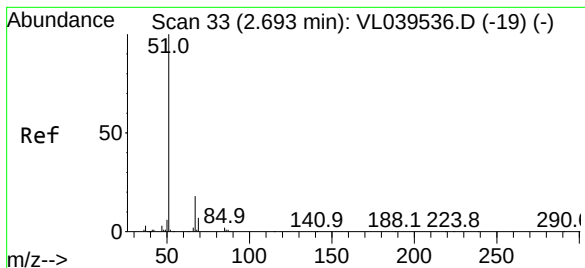
Tgt Ion: 49 Resp: 913696
 Ion Ratio Lower Upper
 49 100
 128 50.8 25.7 77.0
 130 64.8 31.6 95.0



#2
 Dichlorodifluoromethane
 Concen: 0.044 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.001 min
 Lab File: VL039570.D
 Acq: 18 Aug 2022 22:24

Tgt Ion: 85 Resp: 5450
 Ion Ratio Lower Upper
 85 100
 87 36.0 25.9 38.9

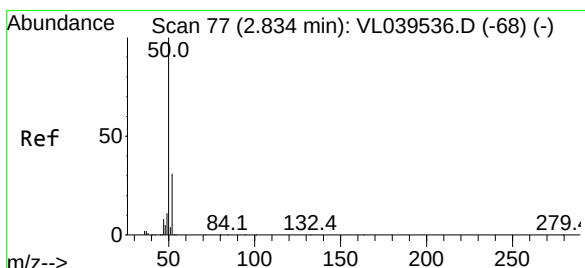
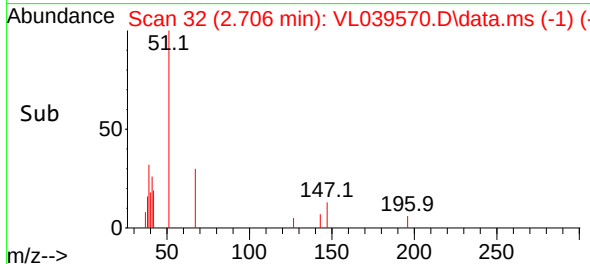
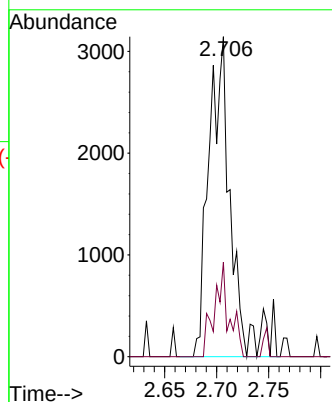
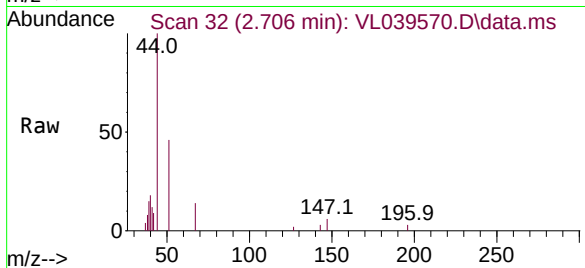




#3
 Chlorodifluoromethane
 Concen: 0.043 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.014 min
 Lab File: VL039570.D
 Acq: 18 Aug 2022 22:24

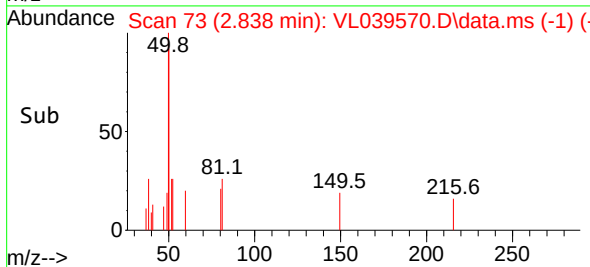
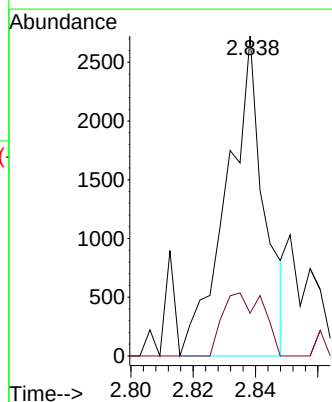
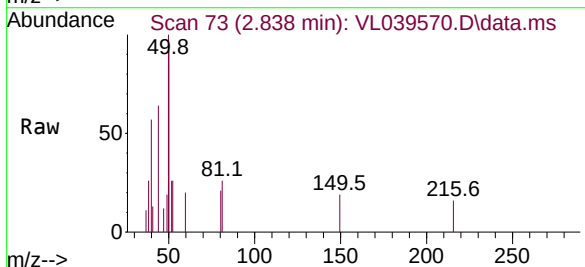
Instrument :
 MSVOA_L
 ClientSampleId :

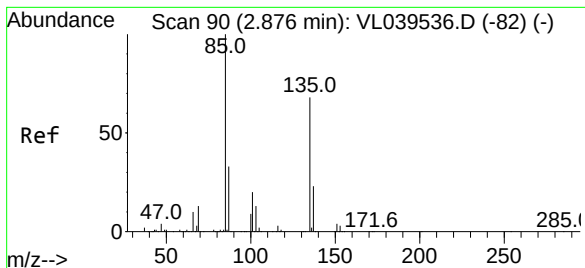
Tgt Ion: 51 Resp: 4692
 Ion Ratio Lower Upper
 51 100
 67 19.3 14.7 22.1



#4
 Chloromethane
 Concen: 0.034 ppbv
 RT: 2.838 min Scan# 73
 Delta R.T. 0.004 min
 Lab File: VL039570.D
 Acq: 18 Aug 2022 22:24

Tgt Ion: 50 Resp: 2247
 Ion Ratio Lower Upper
 50 100
 52 13.4 24.3 36.5#

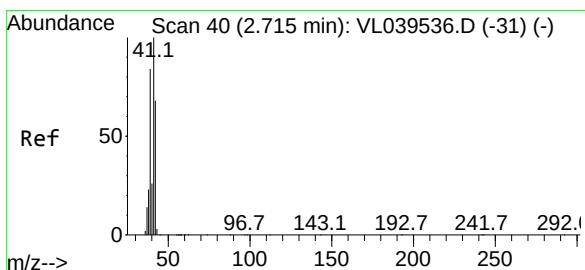
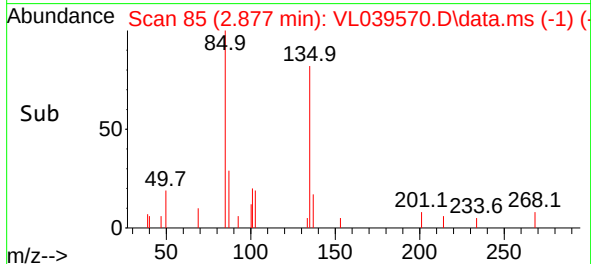
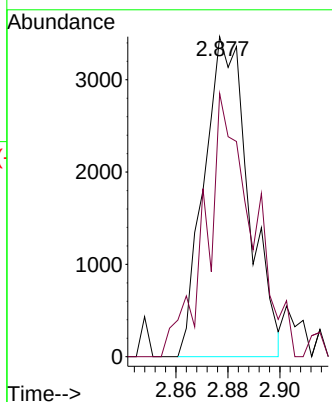
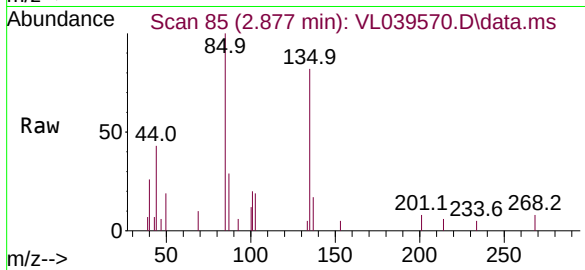




#8
 Dichlorotetrafluoroethane
 Concen: 0.031 ppbv
 RT: 2.877 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: VL039570.D
 Acq: 18 Aug 2022 22:24

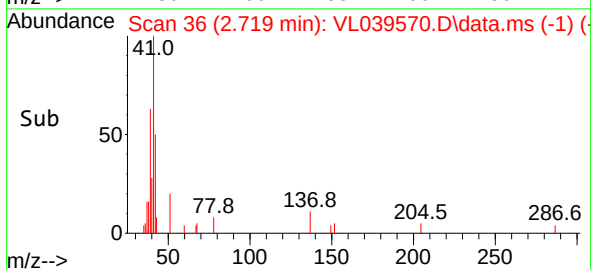
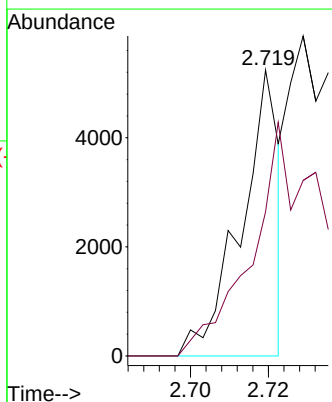
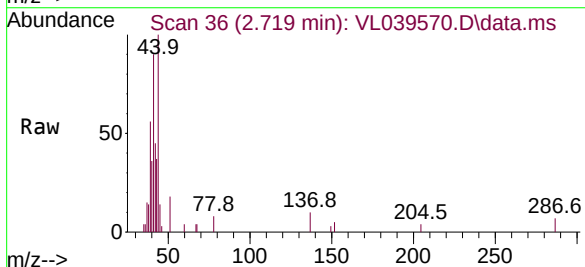
Instrument :
 MSVOA_L
 ClientSampleId :

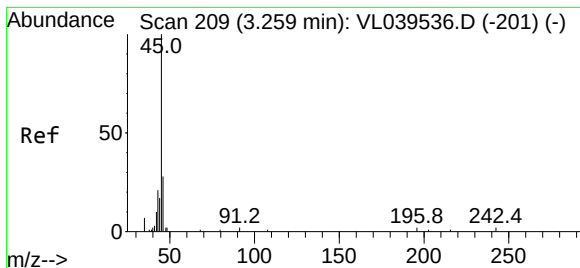
Tgt Ion: 85 Resp: 4126
 Ion Ratio Lower Upper
 85 100
 135 87.8 56.3 84.5#



#9
 Propene
 Concen: 0.071 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.004 min
 Lab File: VL039570.D
 Acq: 18 Aug 2022 22:24

Tgt Ion: 41 Resp: 3553
 Ion Ratio Lower Upper
 41 100
 42 187.6 55.4 83.0#





#13

Ethanol

Concen: 0.035 ppbv

RT: 3.263 min Scan# 209

Delta R.T. 0.004 min

Lab File: VL039570.D

Acq: 18 Aug 2022 22:24

Instrument :

MSVOA_L

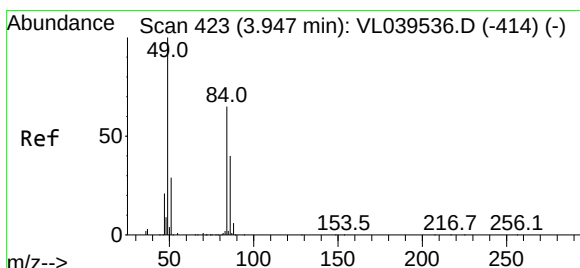
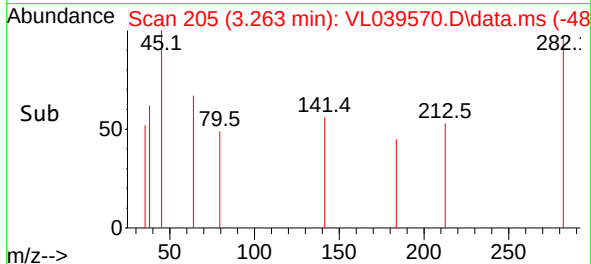
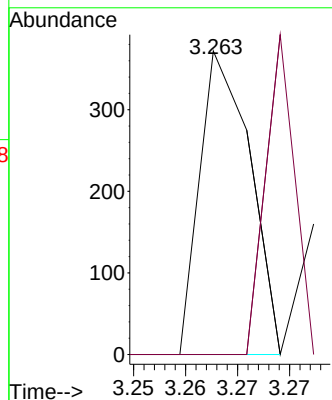
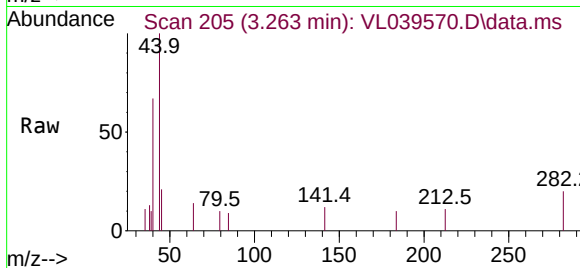
ClientSampleId :

Tgt Ion: 45 Resp: 125

Ion Ratio Lower Upper

45 100

46 60.8 19.3 77.1



#20

Methylene Chloride

Concen: 0.064 ppbv

RT: 3.948 min Scan# 418

Delta R.T. 0.001 min

Lab File: VL039570.D

Acq: 18 Aug 2022 22:24

Tgt Ion: 84 Resp: 2699

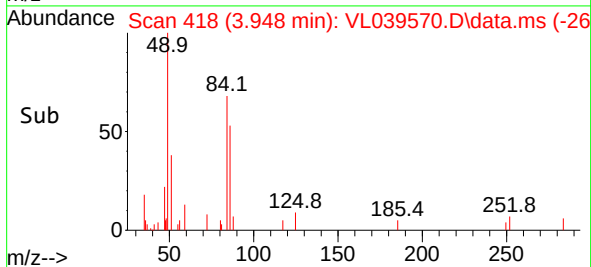
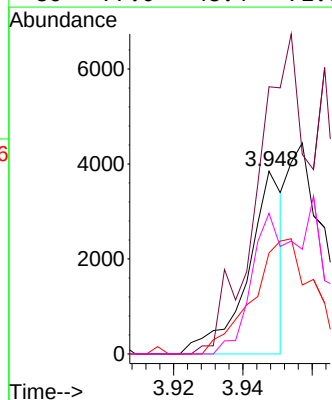
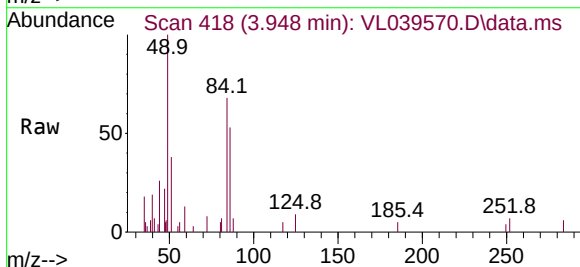
Ion Ratio Lower Upper

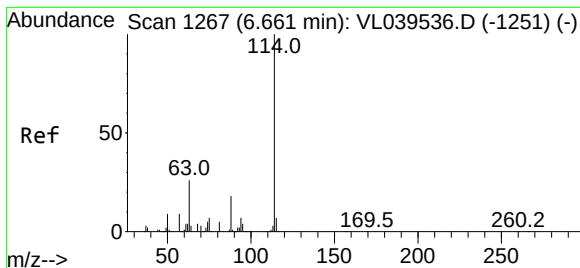
84 100

49 146.2 122.2 183.4

51 55.3 35.8 53.6#

86 77.0 48.4 72.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. 0.004 min

Lab File: VL039570.D

Acq: 18 Aug 2022 22:24

Instrument :

MSVOA_L

ClientSampleId :

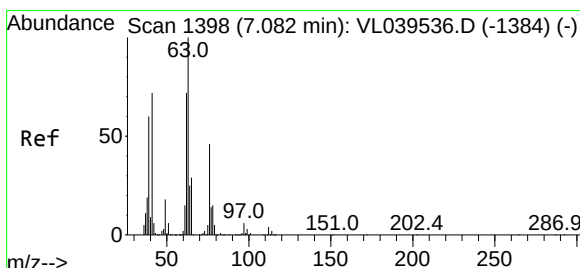
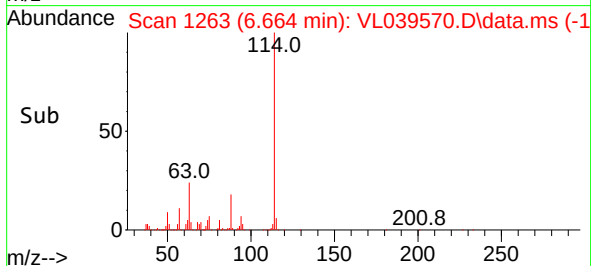
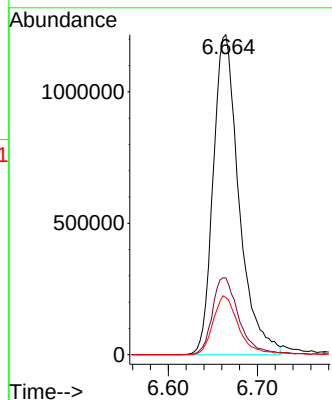
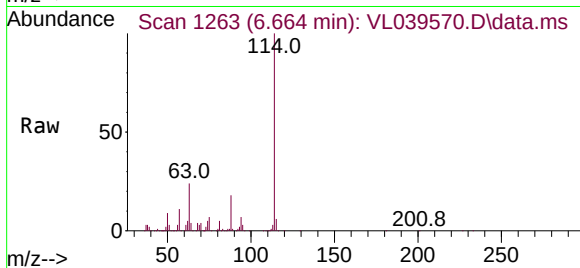
Tgt Ion:114 Resp: 2448413

Ion Ratio Lower Upper

114 100

63 25.3 20.6 31.0

88 18.5 14.6 22.0



#39

1,2-Dichloropropane

Concen: 8.673 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.417 min

Lab File: VL039570.D

Acq: 18 Aug 2022 22:24

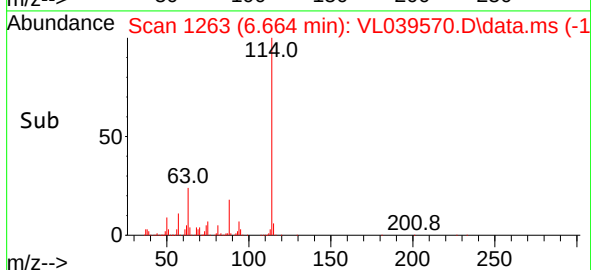
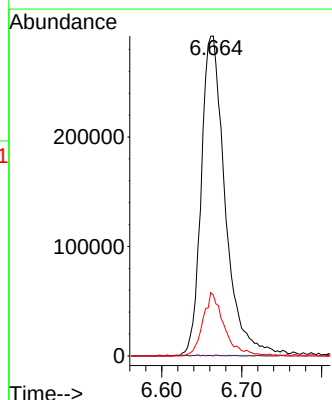
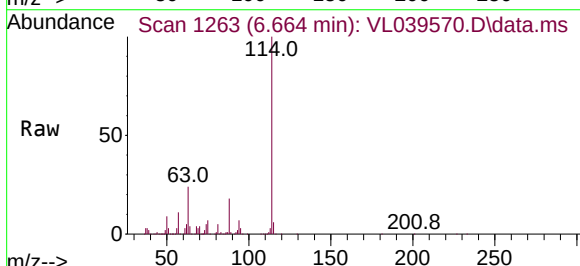
Tgt Ion: 63 Resp: 606558

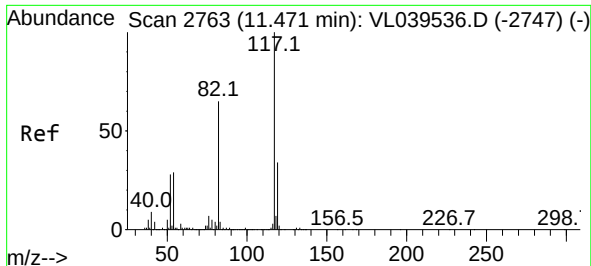
Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

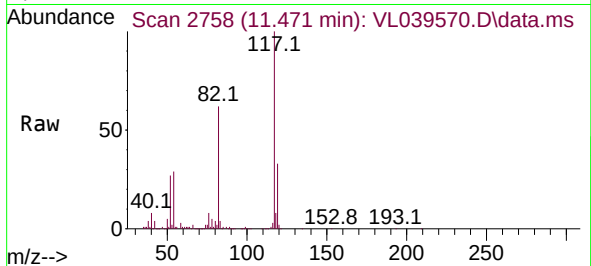
62 19.1 57.8 86.8#





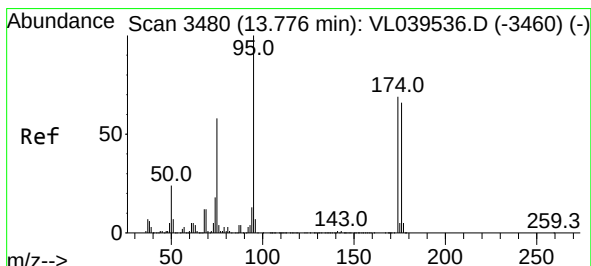
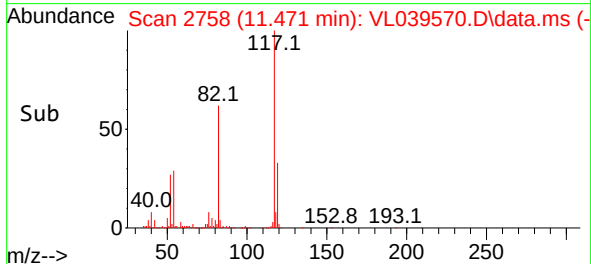
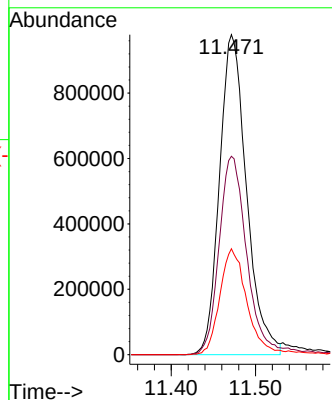
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2178417
Delta R.T. 0.001 min
Lab File: VL039570.D
Acq: 18 Aug 2022 22:24

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2178417

Ion	Ratio	Lower	Upper
117	100		
82	65.7	49.1	73.7
119	34.3	25.9	38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.377 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.004 min
Lab File: VL039570.D
Acq: 18 Aug 2022 22:24

Tgt Ion: 95 Resp: 1701717

Ion	Ratio	Lower	Upper
95	100		
174	70.5	56.3	84.5
175	5.4	4.3	6.5

