

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040840.D
 Acq On : 13 Nov 2023 13:55
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Nov 22 00:31:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

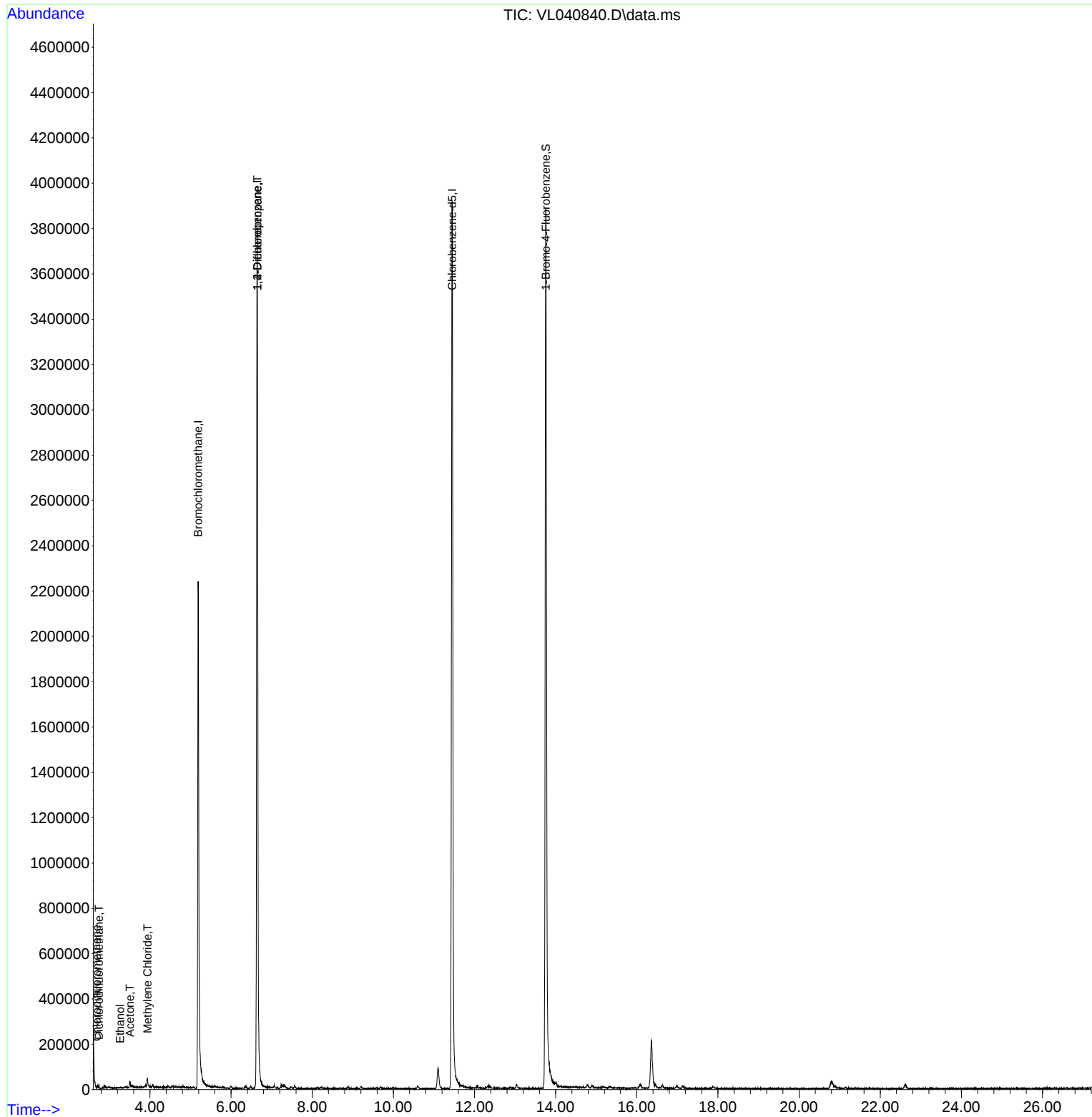
Internal Standards						
1) Bromochloromethane	5.188	49	1134164	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2904674	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2574303	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2054936	10.196	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	7645	0.033	ppbv	98
3) Chlorodifluoromethane	2.690	51	6776	0.037	ppbv	98
13) Ethanol	3.262	45	419	0.035	ppbv #	100
15) Acetone	3.504	43	30423	0.252	ppbv	92
20) Methylene Chloride	3.941	84	11051	0.222	ppbv #	79
39) 1,2-Dichloropropane	6.645	63	746019	7.981	ppbv #	24

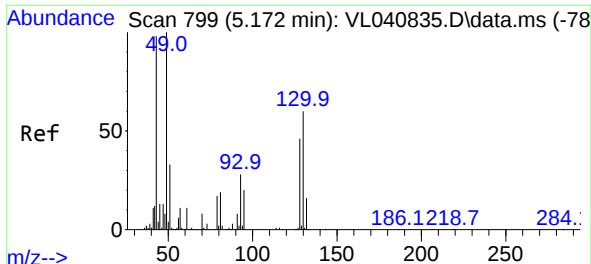
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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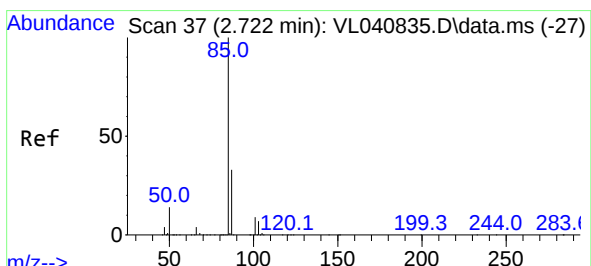
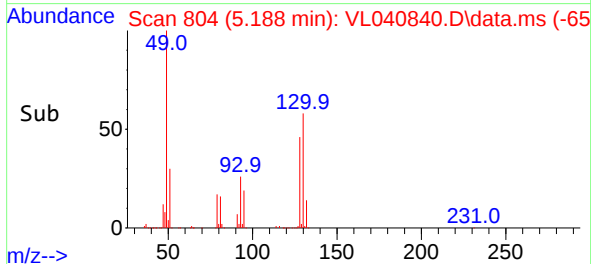
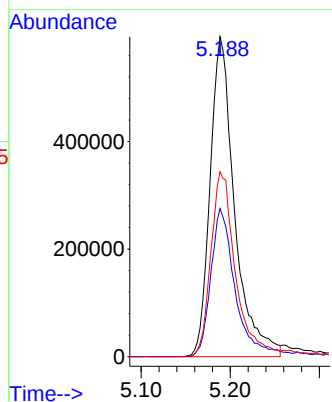
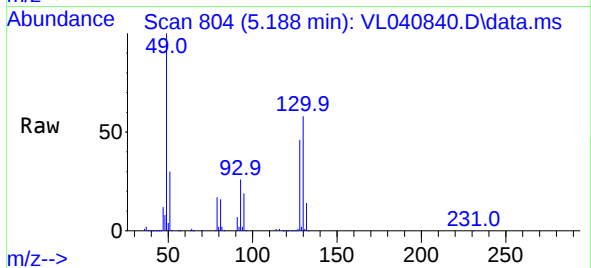




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. -0.023 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

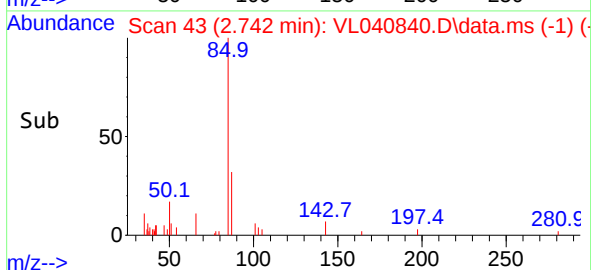
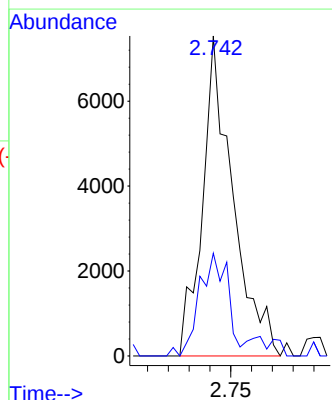
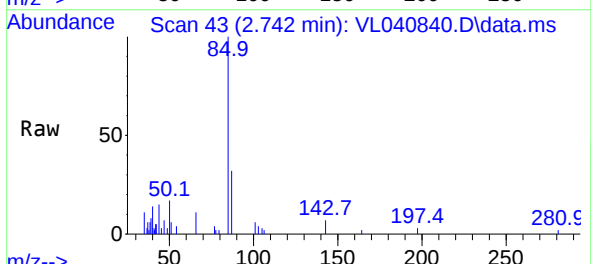
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

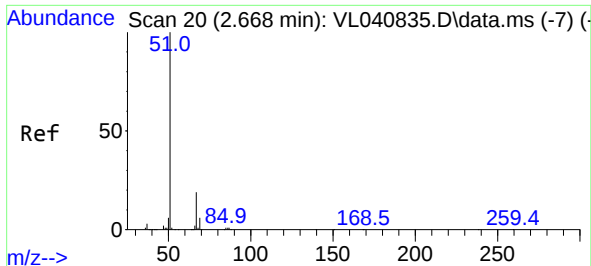
Tgt Ion: 49 Resp: 1134164
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.2
130 60.2 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.033 ppbv
RT: 2.742 min Scan# 43
Delta R.T. -0.032 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 85 Resp: 7645
Ion Ratio Lower Upper
85 100
87 32.1 26.7 40.1

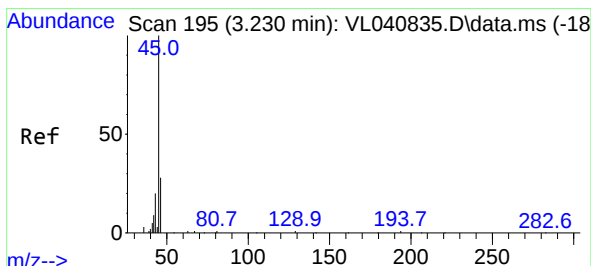
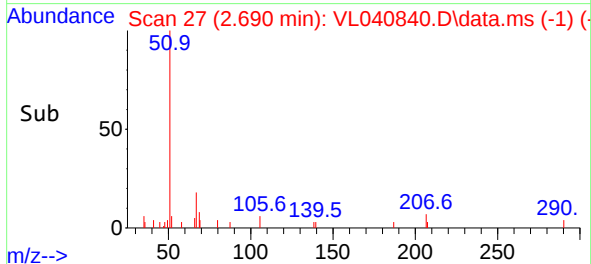
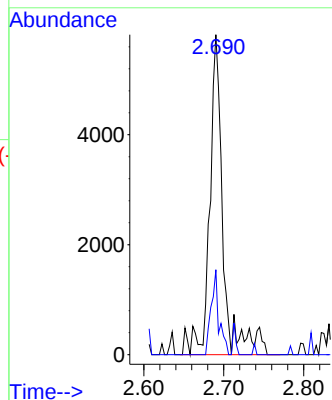
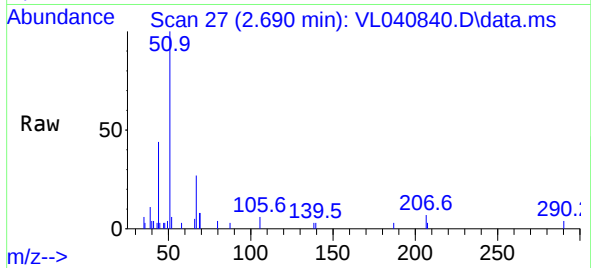




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

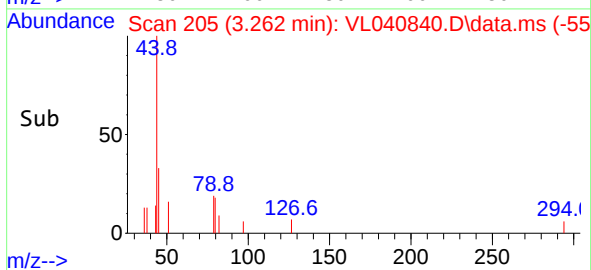
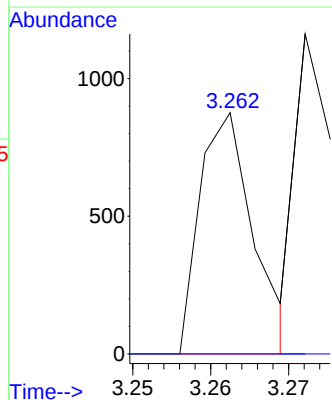
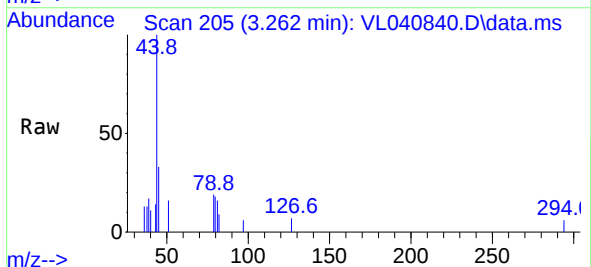
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

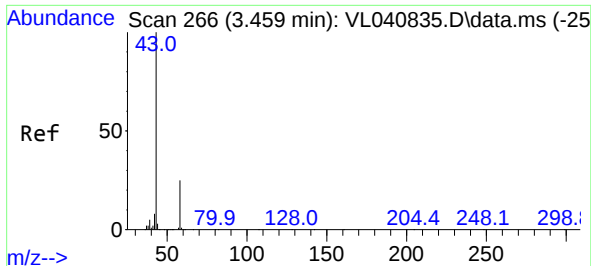
Tgt Ion: 51 Resp: 6776
Ion Ratio Lower Upper
51 100
67 17.7 15.0 22.4



#13
Ethanol
Concen: 0.035 ppbv
RT: 3.262 min Scan# 205
Delta R.T. -0.016 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 45 Resp: 419
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0

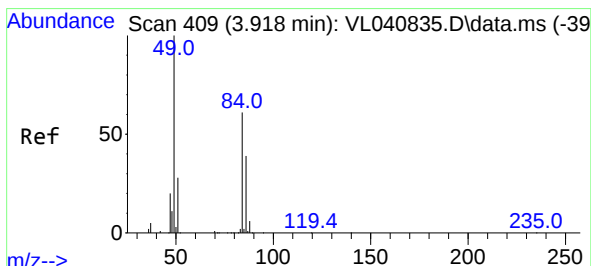
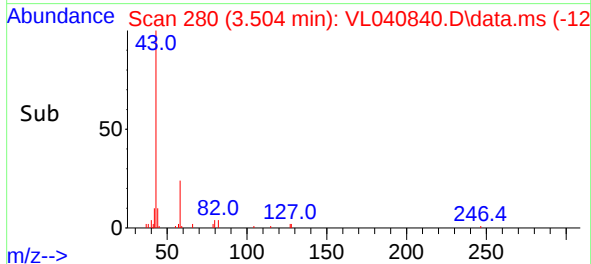
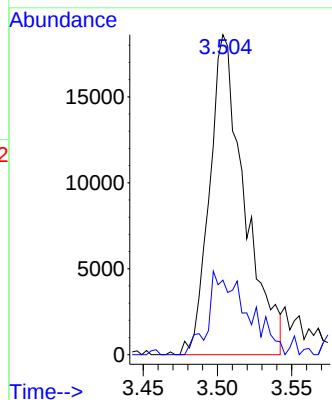
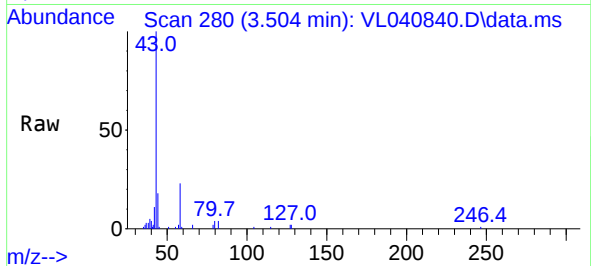




#15
Acetone
Concen: 0.252 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

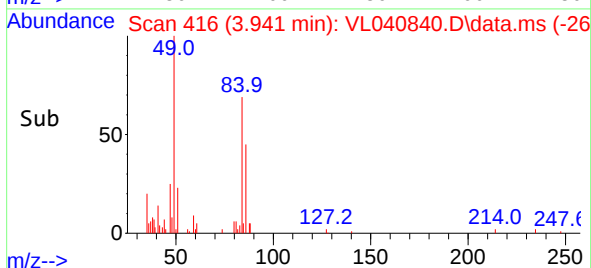
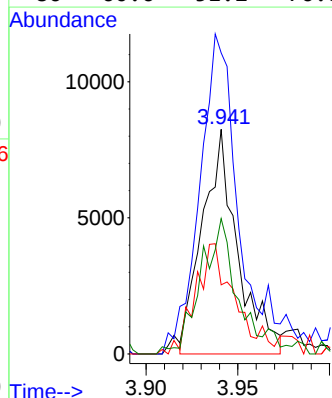
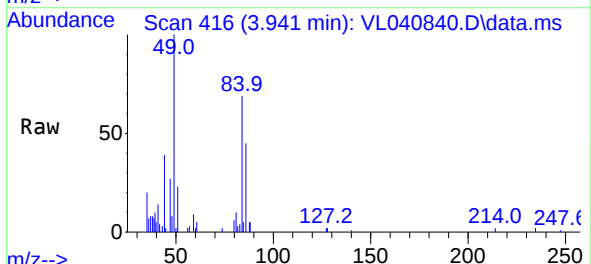
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

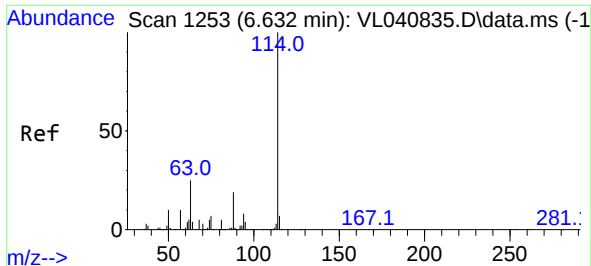
Tgt Ion: 43 Resp: 30423
Ion Ratio Lower Upper
43 100
58 30.2 20.9 31.3



#20
Methylene Chloride
Concen: 0.222 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.023 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 84 Resp: 11051
Ion Ratio Lower Upper
84 100
49 126.8 131.0 196.4#
51 30.3 36.9 55.3#
86 60.6 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.020 min

Lab File: VL040840.D

Acq: 13 Nov 2023 13:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

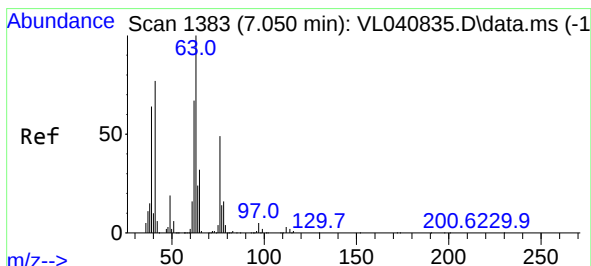
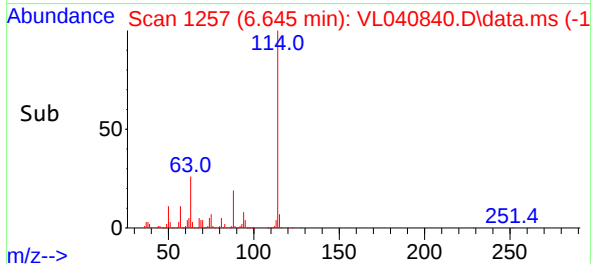
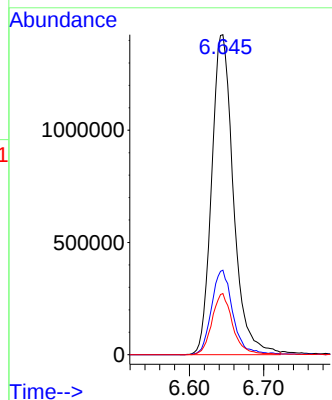
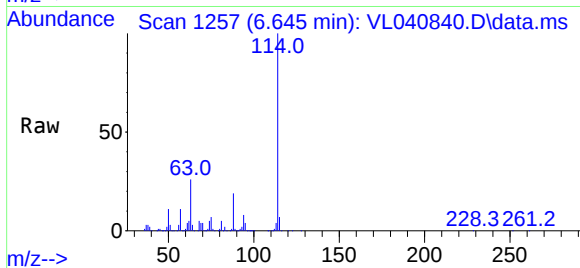
Tgt Ion:114 Resp: 2904674

Ion Ratio Lower Upper

114 100

63 26.2 20.9 31.3

88 18.4 14.3 21.5



#39

1,2-Dichloropropane

Concen: 7.981 ppbv

RT: 6.645 min Scan# 1257

Delta R.T. -0.438 min

Lab File: VL040840.D

Acq: 13 Nov 2023 13:55

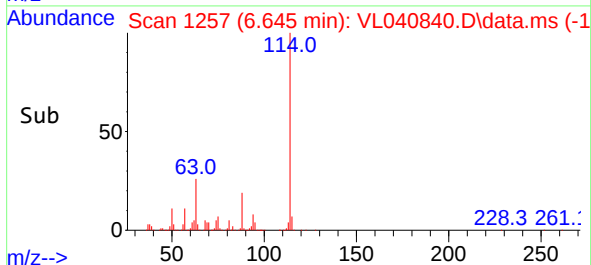
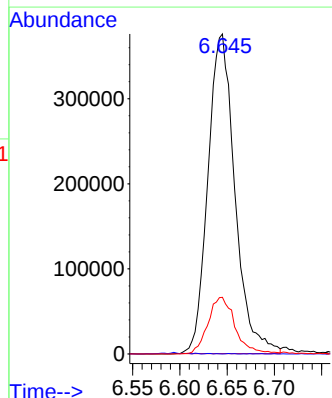
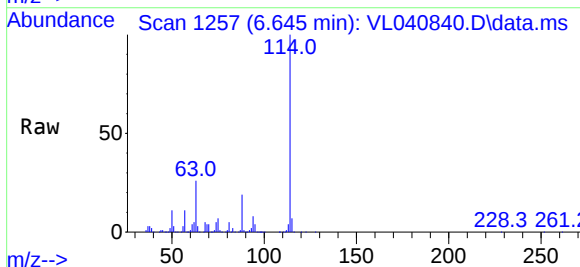
Tgt Ion: 63 Resp: 746019

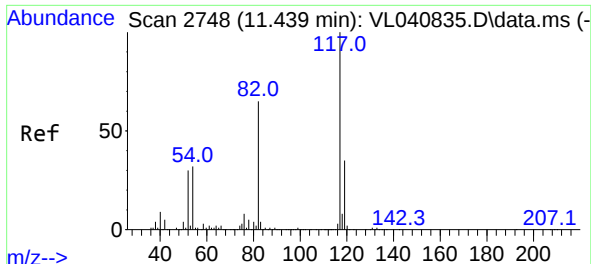
Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 17.7 53.9 80.9#

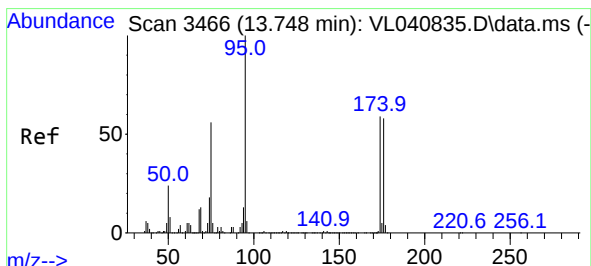
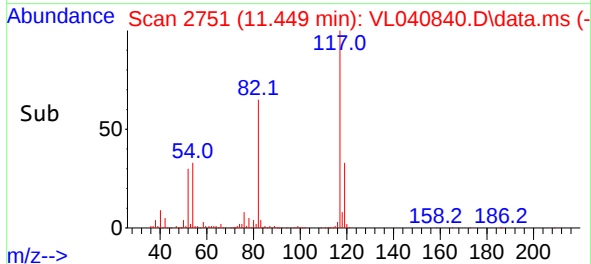
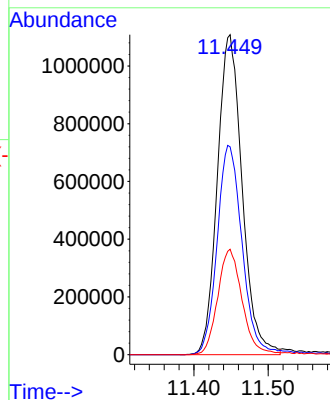
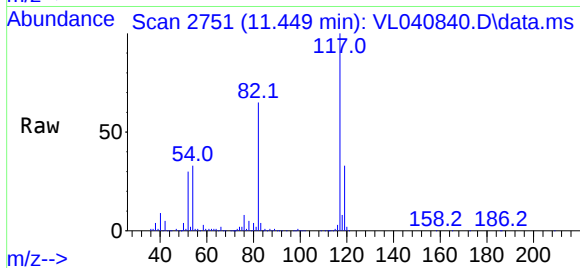




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion:117 Resp: 2574303
Ion Ratio Lower Upper
117 100
82 66.9 50.6 75.8
119 33.2 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.196 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.013 min
Lab File: VL040840.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 95 Resp: 2054936
Ion Ratio Lower Upper
95 100
174 60.3 47.5 71.3
175 4.7 3.6 5.4

