

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041661.D
 Acq On : 14 Oct 2024 10:23
 Operator : SY/MD
 Sample : VL1014ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 15 02:39:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1077923	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.671	114	2989872	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.487	117	2611008	10.000	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1952996	10.161	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

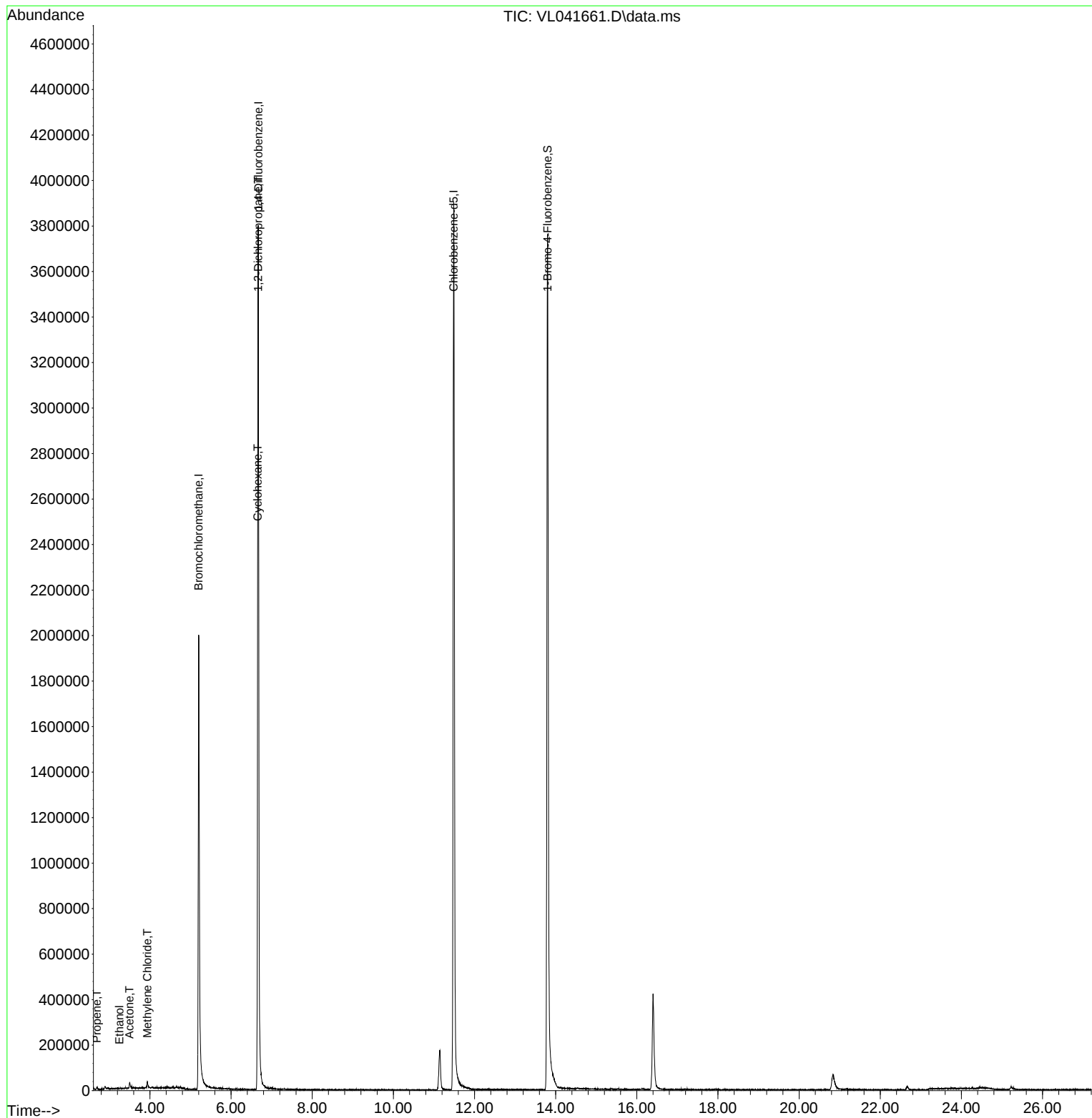
Target Compounds						Qvalue
9) Propene	2.690	41	2693	0.049	ppbv #	33
13) Ethanol	3.247	45	145	0.035	ppbv #	37
15) Acetone	3.497	43	28537	0.211	ppbv	94
20) Methylene Chloride	3.938	84	7076	0.139	ppbv #	86
30) Cyclohexane	6.655	84	5184	0.066	ppbv #	1
39) 1,2-Dichloropropane	6.668	63	739498	8.754	ppbv #	23

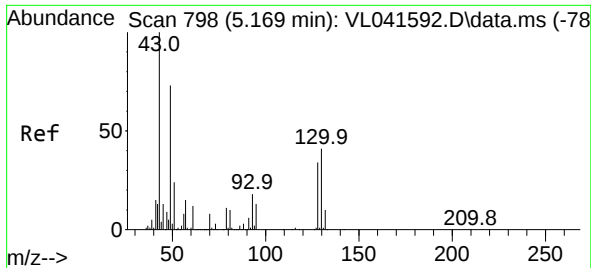
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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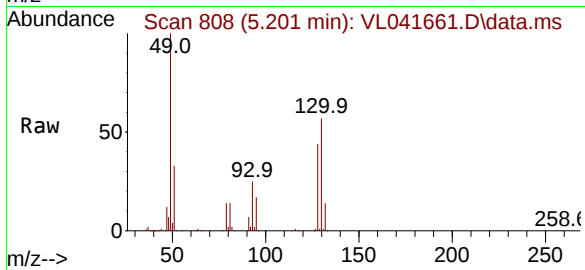
Quant Time: Oct 15 02:39:14 2024
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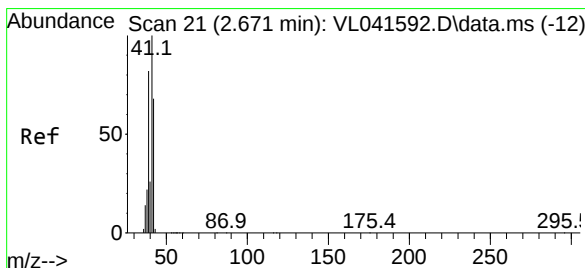
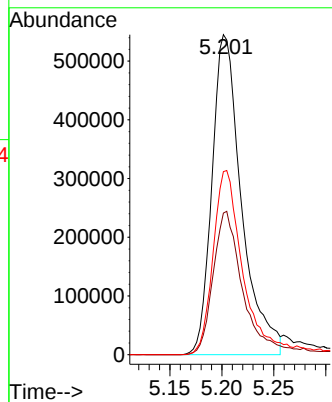
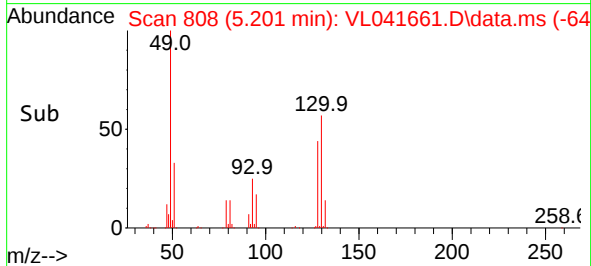


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.032 min
Lab File: VL041661.D
Acq: 14 Oct 2024 10:23

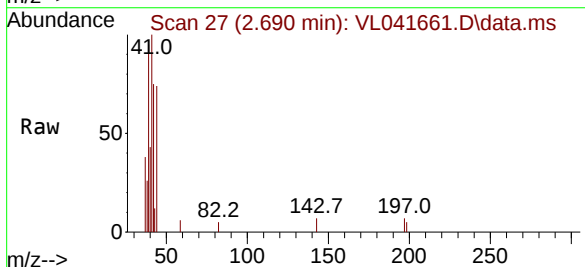
Instrument :
MSVOA_L
ClientSampleId :



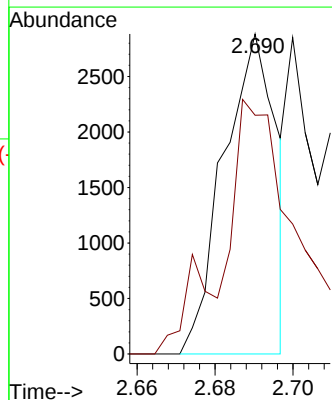
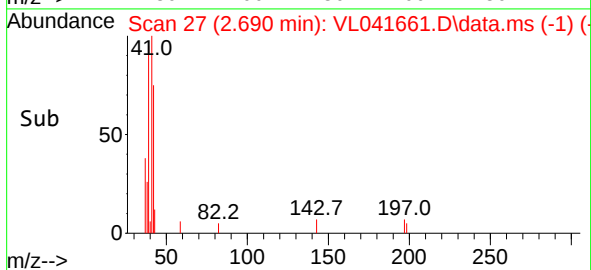
Tgt Ion: 49 Resp: 1077923
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.5
130 61.2 30.4 91.3

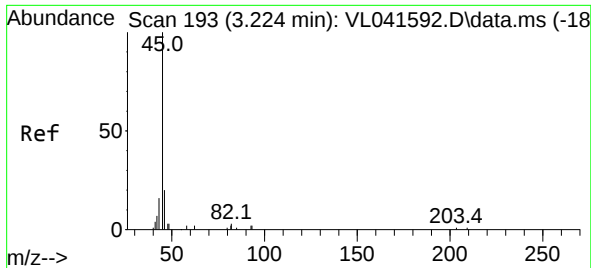


#9
Propene
Concen: 0.049 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.019 min
Lab File: VL041661.D
Acq: 14 Oct 2024 10:23



Tgt Ion: 41 Resp: 2693
Ion Ratio Lower Upper
41 100
42 123.7 55.2 82.8

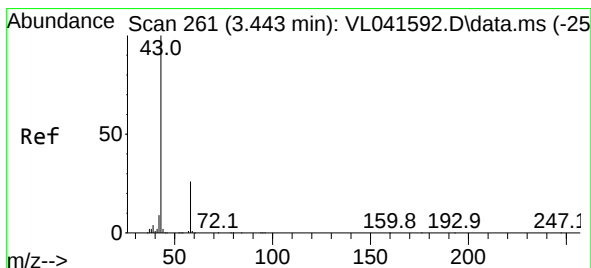
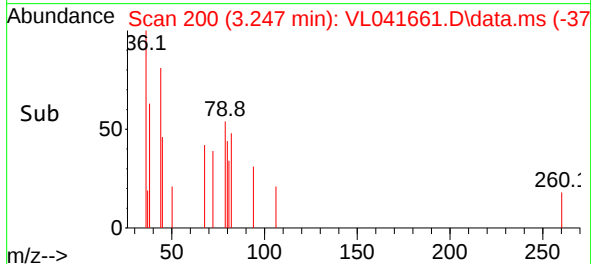
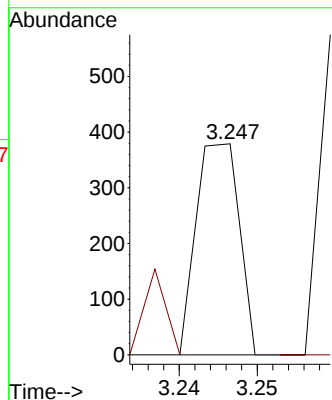
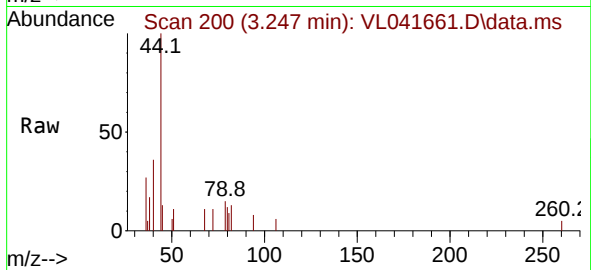




#13
 Ethanol
 Concen: 0.035 ppbv
 RT: 3.247 min Scan# 20
 Delta R.T. 0.023 min
 Lab File: VL041661.D
 Acq: 14 Oct 2024 10:23

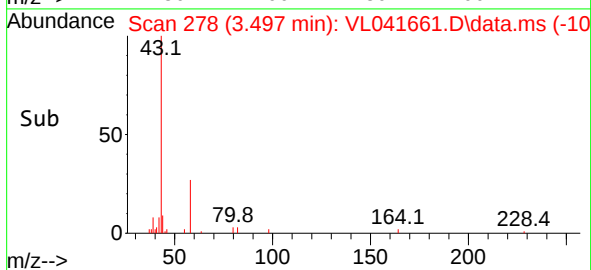
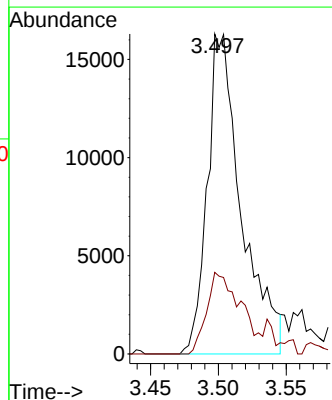
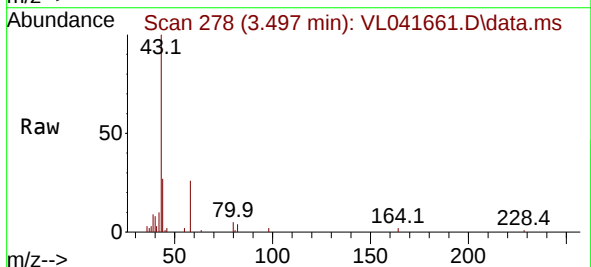
Instrument :
 MSVOA_L
 ClientSampleId :

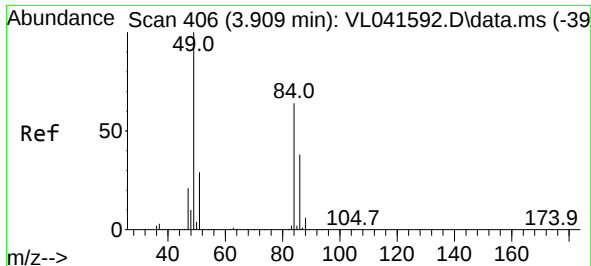
Tgt Ion: 45 Resp: 145
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.2 60.8#



#15
 Acetone
 Concen: 0.211 ppbv
 RT: 3.497 min Scan# 278
 Delta R.T. 0.055 min
 Lab File: VL041661.D
 Acq: 14 Oct 2024 10:23

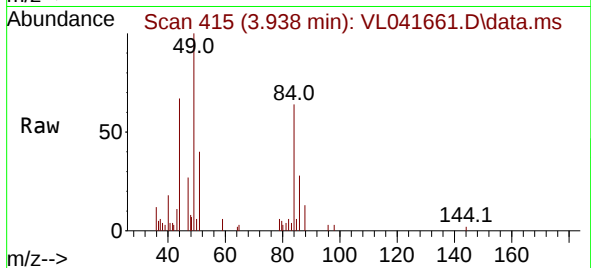
Tgt Ion: 43 Resp: 28537
 Ion Ratio Lower Upper
 43 100
 58 29.9 21.5 32.3



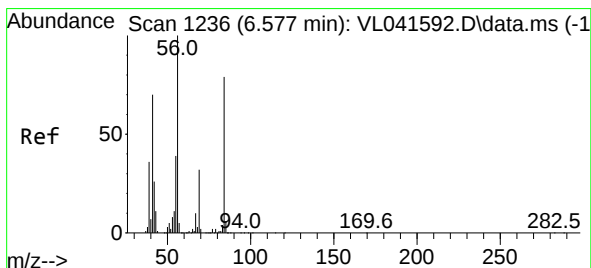
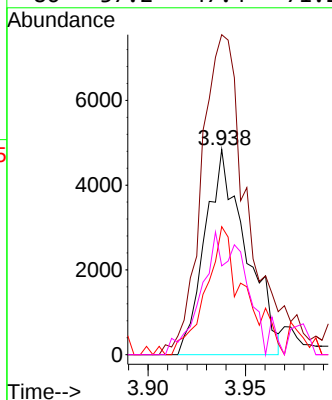
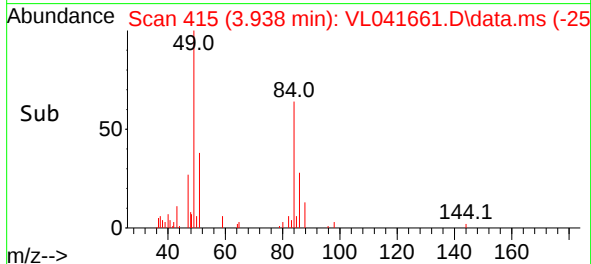


#20
Methylene Chloride
Concen: 0.139 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.029 min
Lab File: VL041661.D
Acq: 14 Oct 2024 10:23

Instrument :
MSVOA_L
ClientSampleId :

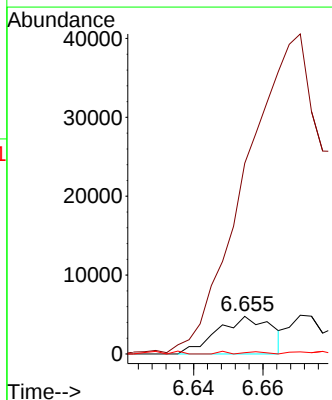
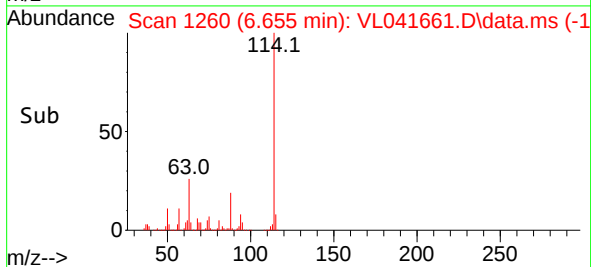
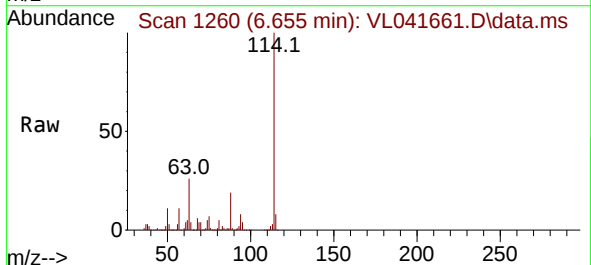


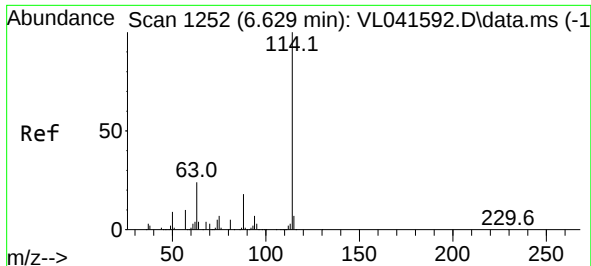
Tgt Ion: 84 Resp: 7076
Ion Ratio Lower Upper
84 100
49 146.8 124.3 186.5
51 56.9 36.3 54.5#
86 37.2 47.4 71.2#



#30
Cyclohexane
Concen: 0.066 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.077 min
Lab File: VL041661.D
Acq: 14 Oct 2024 10:23

Tgt Ion: 84 Resp: 5184
Ion Ratio Lower Upper
84 100
56 0.0 111.5 167.3#
41 6.8 70.9 106.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 11

Delta R.T. 0.042 min

Lab File: VL041661.D

Acq: 14 Oct 2024 10:23

Instrument :

MSVOA_L

ClientSampleId :

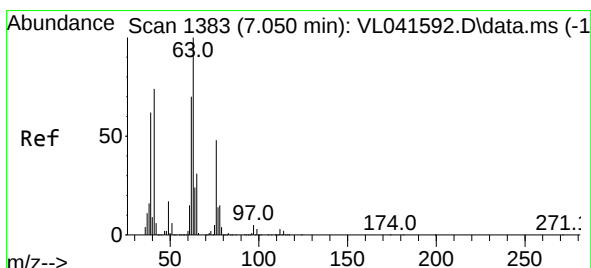
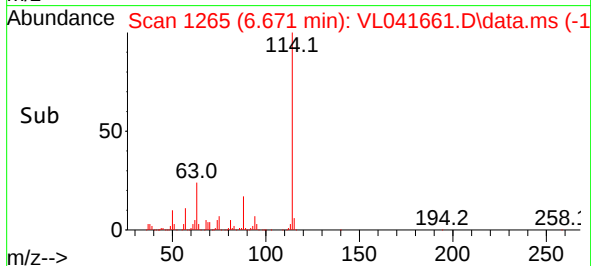
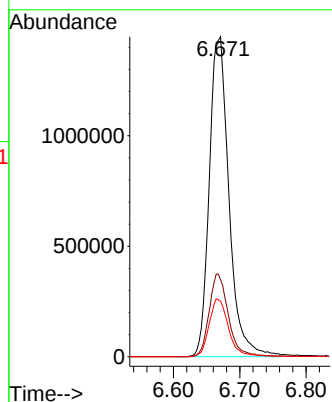
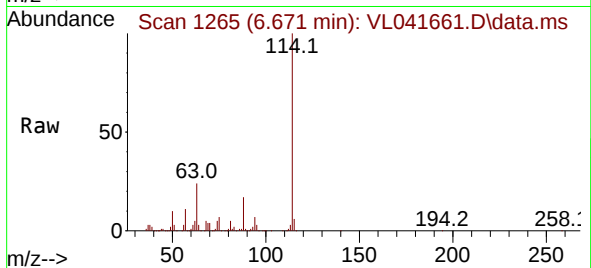
Tgt Ion:114 Resp: 2989872

Ion Ratio Lower Upper

114 100

63 25.4 20.2 30.2

88 17.9 14.2 21.4



#39

1,2-Dichloropropane

Concen: 8.754 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.382 min

Lab File: VL041661.D

Acq: 14 Oct 2024 10:23

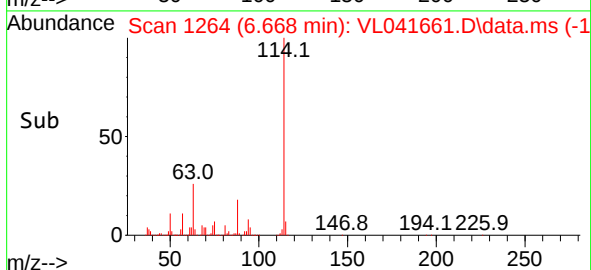
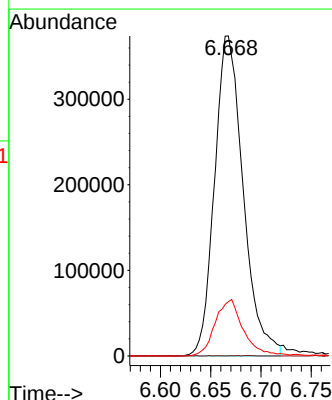
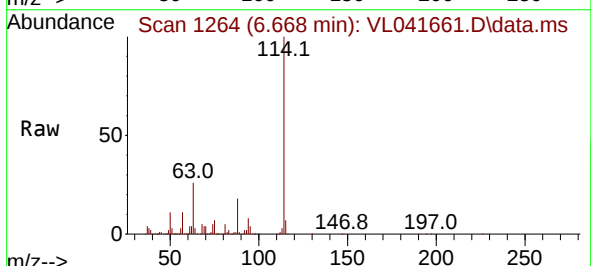
Tgt Ion: 63 Resp: 739498

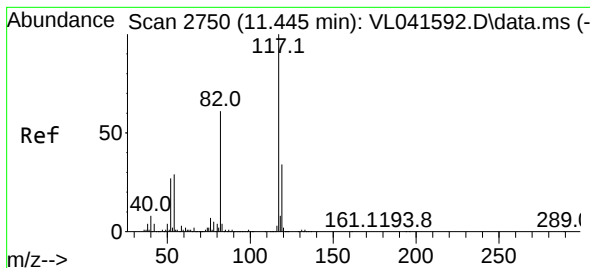
Ion Ratio Lower Upper

63 100

41 0.1 59.5 89.3#

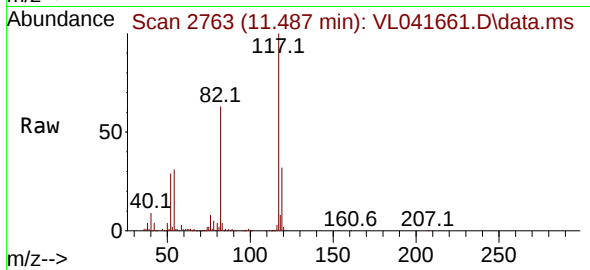
62 17.0 56.2 84.2#



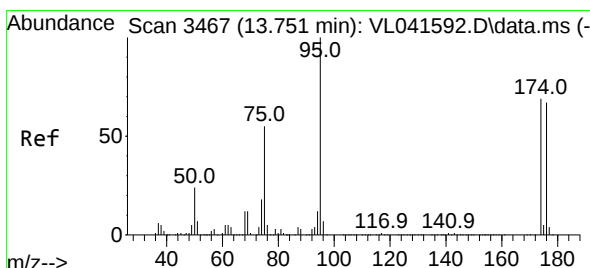
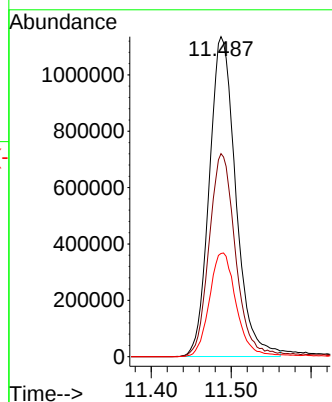
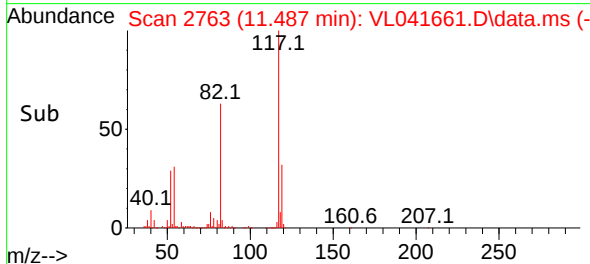


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL041661.D
Acq: 14 Oct 2024 10:23

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2611008
Ion Ratio Lower Upper
117 100
82 65.0 49.4 74.2
119 33.9 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.161 ppbv
RT: 13.799 min Scan# 3482
Delta R.T. 0.048 min
Lab File: VL041661.D
Acq: 14 Oct 2024 10:23

Tgt Ion: 95 Resp: 1952996
Ion Ratio Lower Upper
95 100
174 69.8 55.8 83.8
175 5.0 4.1 6.1

