

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041704.D
 Acq On : 20 Nov 2024 17:53
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 21 05:12:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

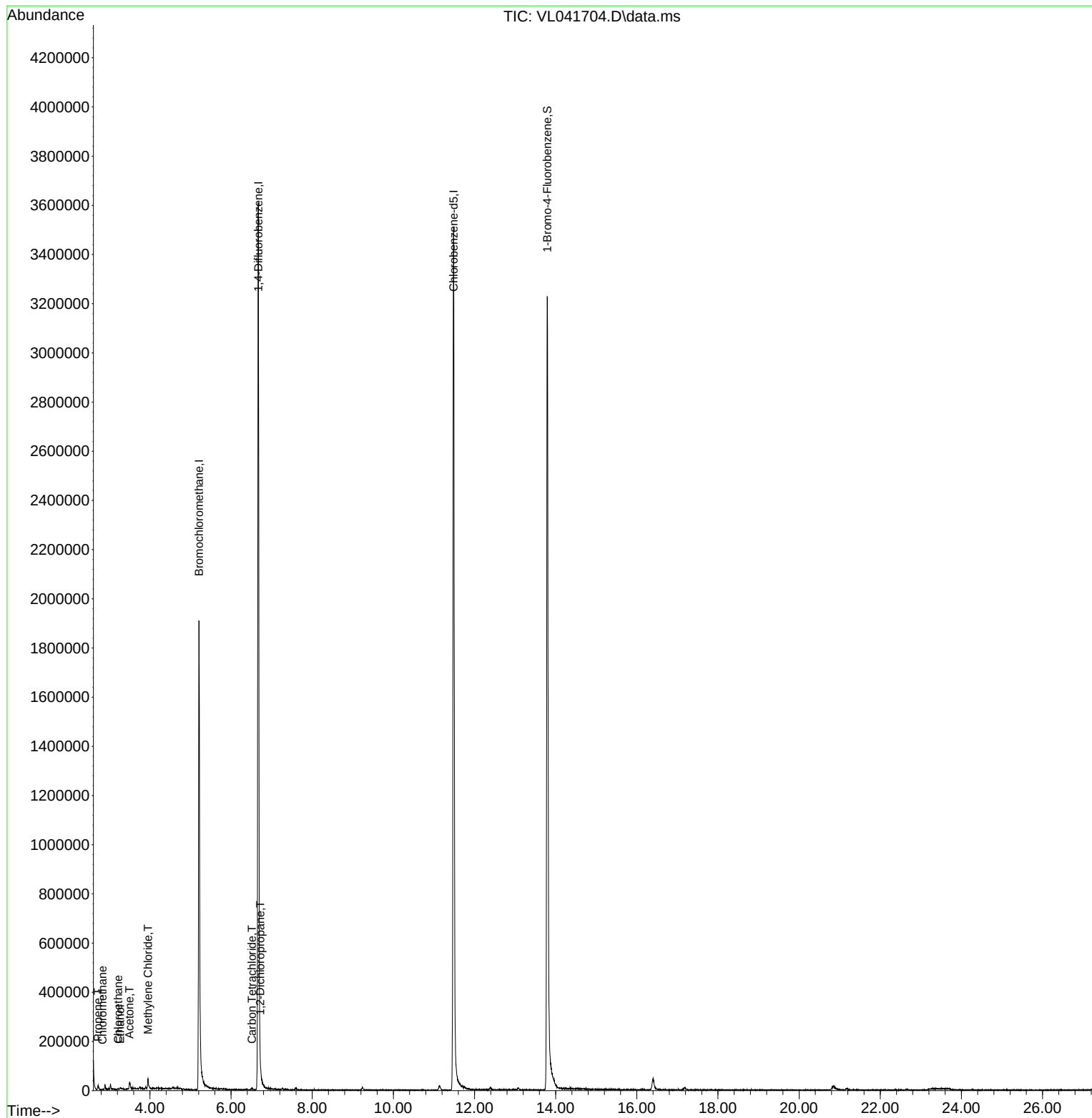
Internal Standards						
1) Bromochloromethane	5.208	49	980421	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	2682384	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2287518	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1596652	9.473	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
					Qvalue	
4) Chloromethane	2.832	50	2089	0.031	ppbv	97
7) Chloroethane	3.218	64	1531	0.069	ppbv #	42
9) Propene	2.719	41	6311	0.113	ppbv	86
13) Ethanol	3.263	45	1637	0.480	ppbv #	40
15) Acetone	3.494	43	17327	0.144	ppbv #	66
20) Methylene Chloride	3.951	84	11822	0.266	ppbv #	86
35) Carbon Tetrachloride	6.517	117	4288	0.030	ppbv #	52
39) 1,2-Dichloropropane	6.719	63	7557	0.096	ppbv #	19

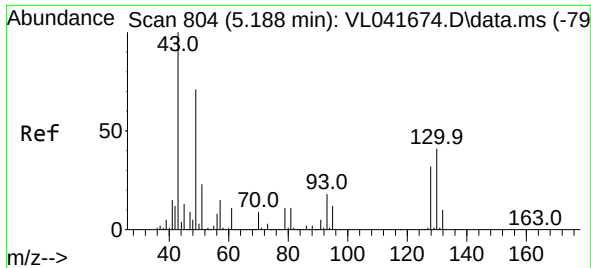
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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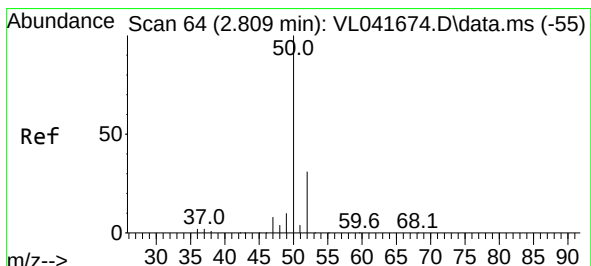
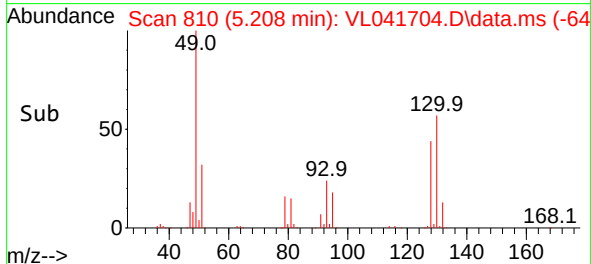
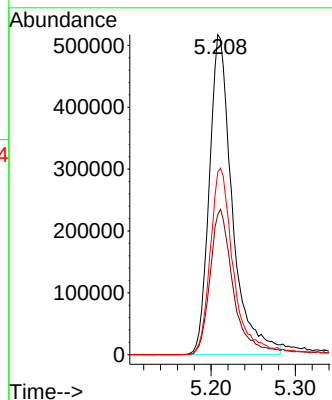
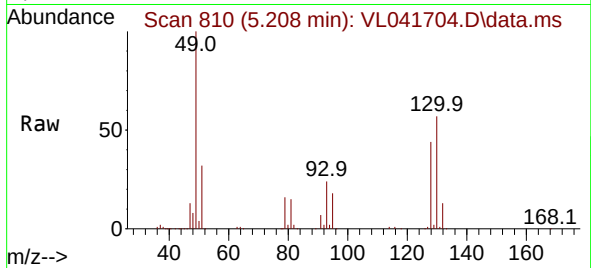




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.020 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

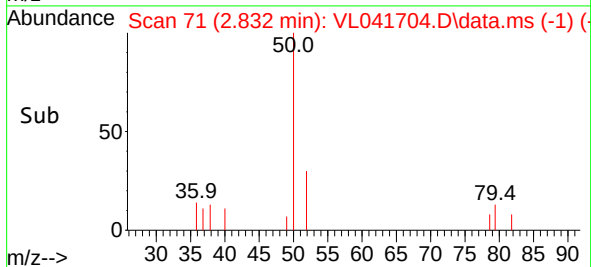
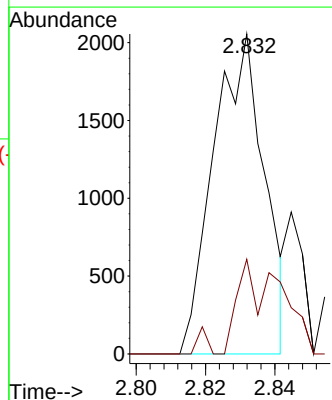
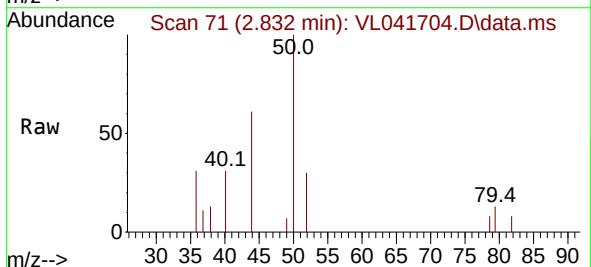
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

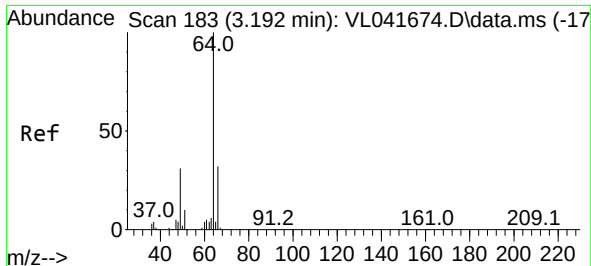
Tgt Ion: 49 Resp: 980421
Ion Ratio Lower Upper
49 100
128 47.9 23.8 71.2
130 62.2 30.1 90.5



#4
Chloromethane
Concen: 0.031 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.023 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

Tgt Ion: 50 Resp: 2089
Ion Ratio Lower Upper
50 100
52 29.6 24.9 37.3

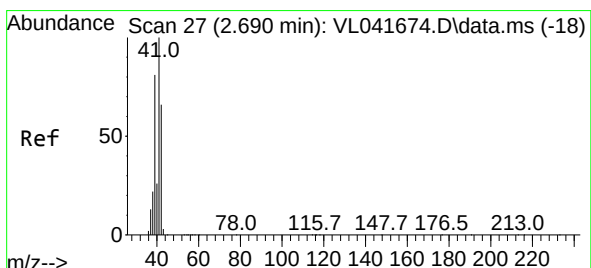
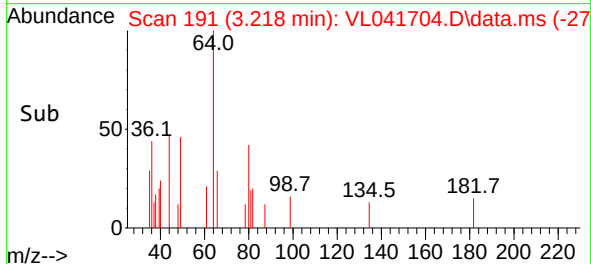
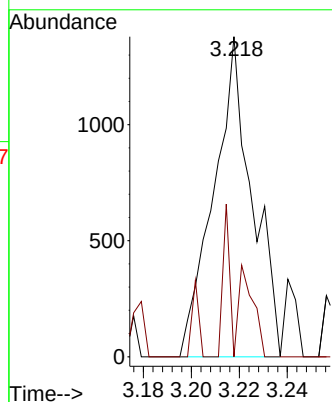
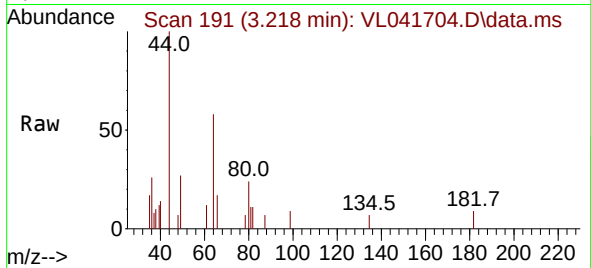




#7
Chloroethane
Concen: 0.069 ppbv
RT: 3.218 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

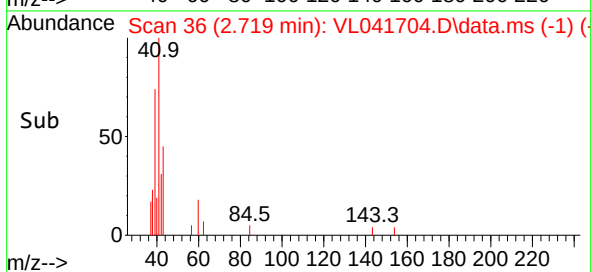
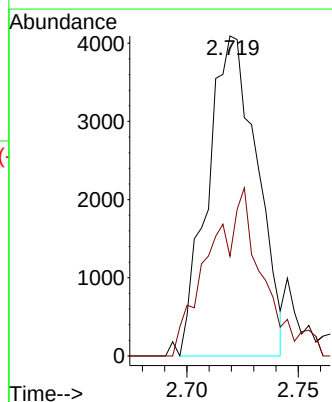
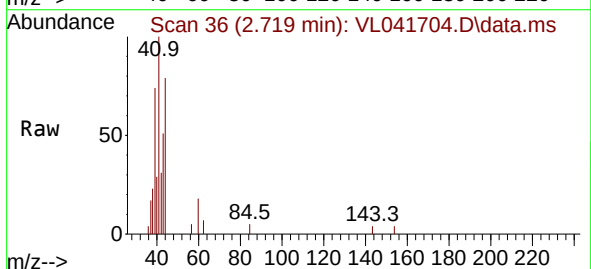
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

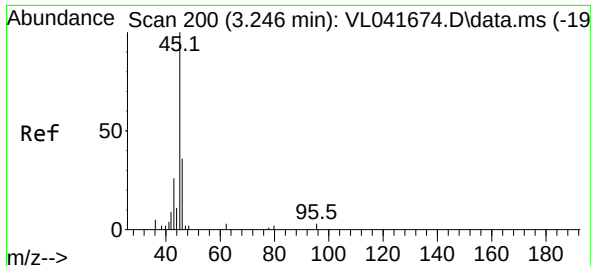
Tgt Ion: 64 Resp: 1531
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#9
Propene
Concen: 0.113 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.029 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

Tgt Ion: 41 Resp: 6311
Ion Ratio Lower Upper
41 100
42 56.9 55.0 82.4

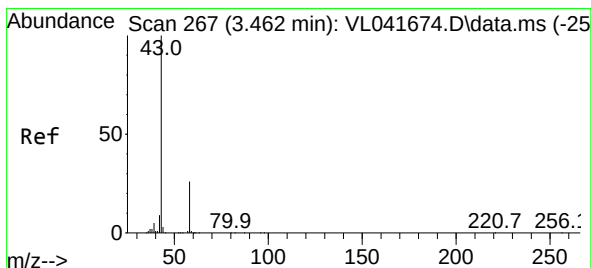
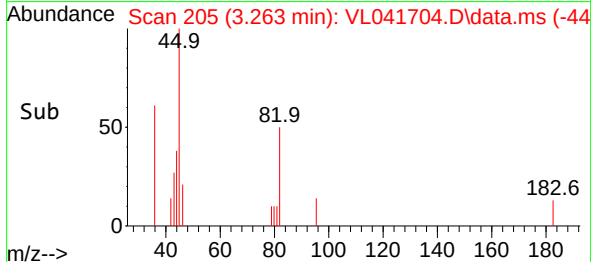
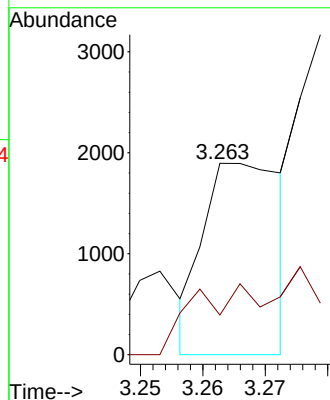
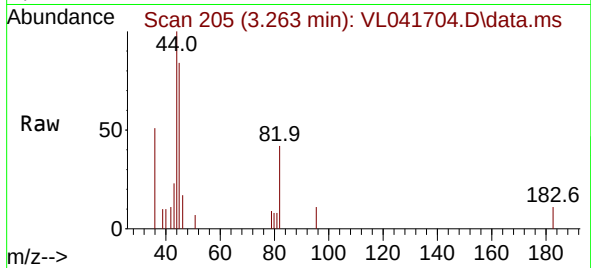




#13
 Ethanol
 Concen: 0.480 ppbv
 RT: 3.263 min Scan# 200
 Delta R.T. 0.016 min
 Lab File: VL041704.D
 Acq: 20 Nov 2024 17:53

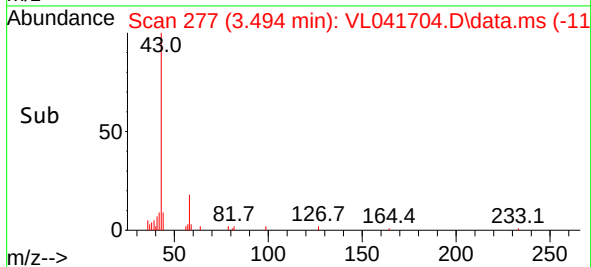
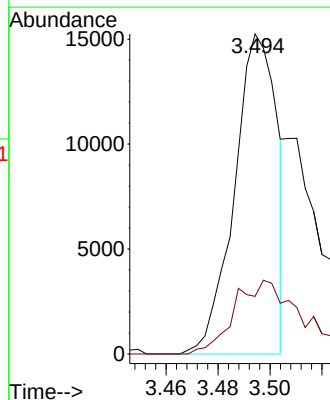
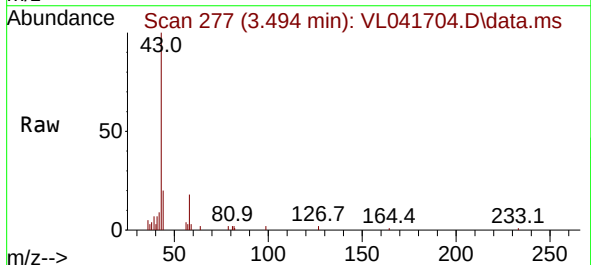
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

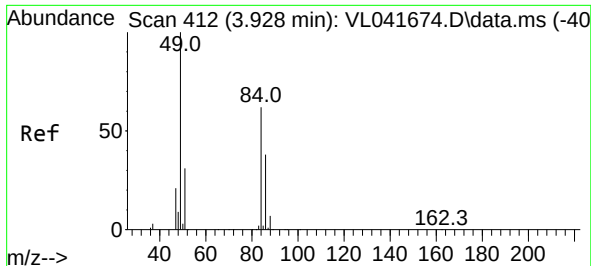
Tgt Ion: 45 Resp: 1637
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.8 55.2#



#15
 Acetone
 Concen: 0.144 ppbv
 RT: 3.494 min Scan# 277
 Delta R.T. 0.032 min
 Lab File: VL041704.D
 Acq: 20 Nov 2024 17:53

Tgt Ion: 43 Resp: 17327
 Ion Ratio Lower Upper
 43 100
 58 44.2 21.4 32.0#



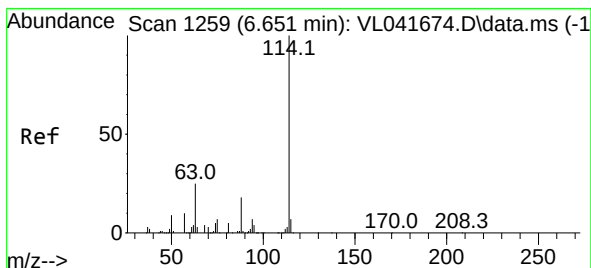
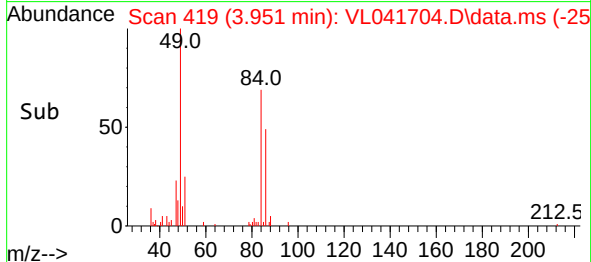
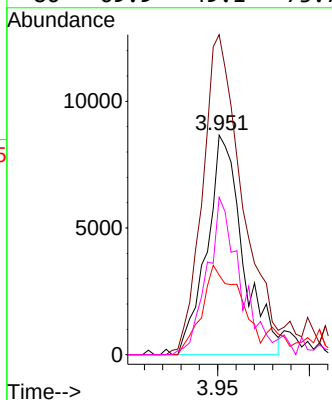
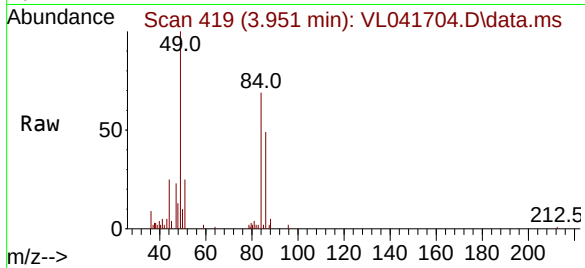


#20
Methylene Chloride
Concen: 0.266 ppbv
RT: 3.951 min Scan# 412
Delta R.T. 0.023 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 11822

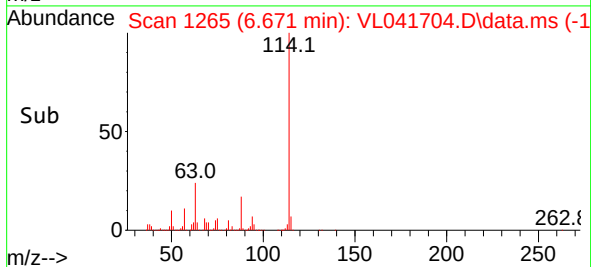
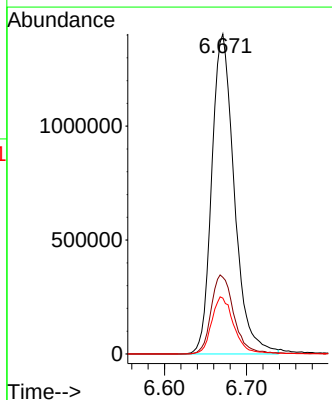
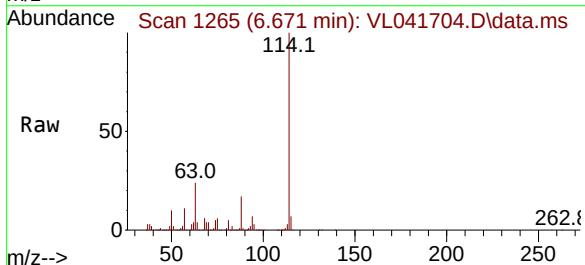
Ion	Ratio	Lower	Upper
84	100		
49	143.2	129.7	194.5
51	36.2	39.8	59.6
86	69.9	49.1	73.7

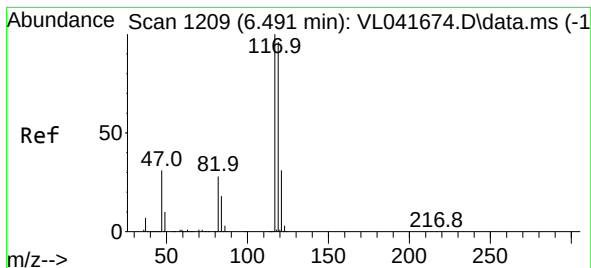


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.020 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

Tgt Ion: 114 Resp: 2682384

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.3	30.5
88	17.8	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.030 ppbv

RT: 6.517 min Scan# 117

Delta R.T. 0.026 min

Lab File: VL041704.D

Acq: 20 Nov 2024 17:53

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

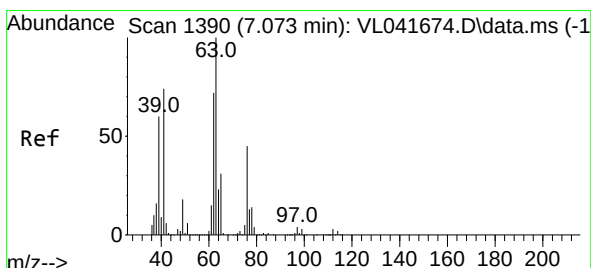
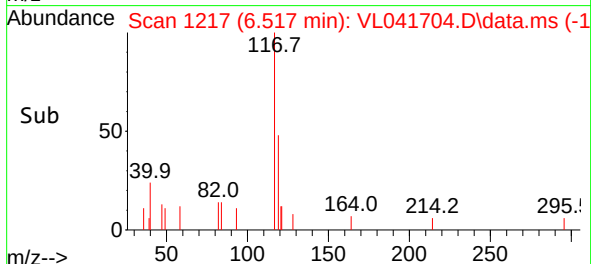
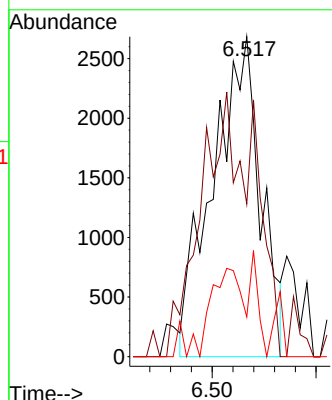
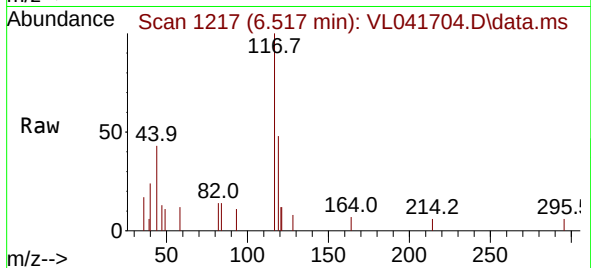
Tgt Ion:117 Resp: 4288

Ion Ratio Lower Upper

117 100

119 51.5 77.2 115.8#

121 1.4 25.0 37.4#



#39

1,2-Dichloropropane

Concen: 0.096 ppbv

RT: 6.719 min Scan# 1280

Delta R.T. -0.353 min

Lab File: VL041704.D

Acq: 20 Nov 2024 17:53

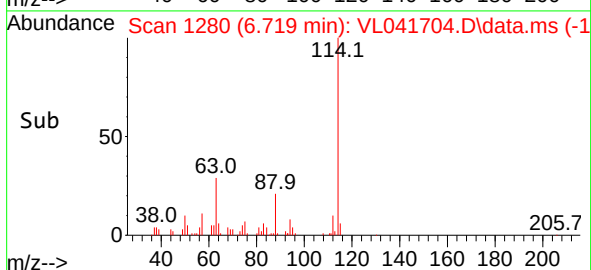
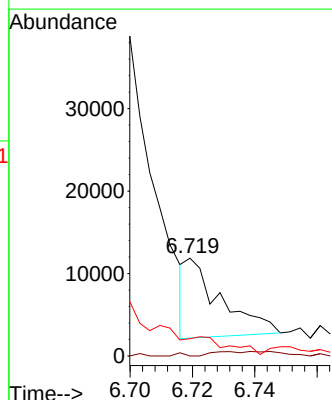
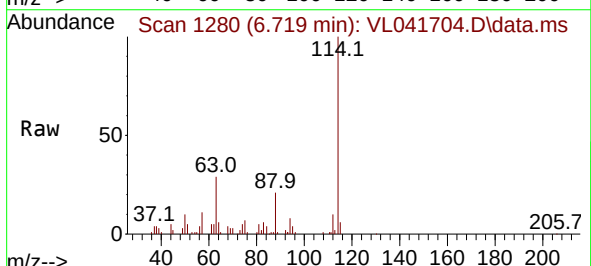
Tgt Ion: 63 Resp: 7557

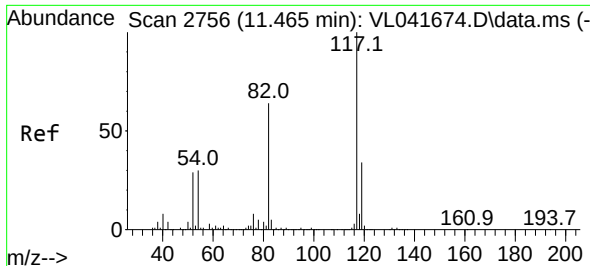
Ion Ratio Lower Upper

63 100

41 0.0 59.1 88.7#

62 10.9 57.7 86.5#

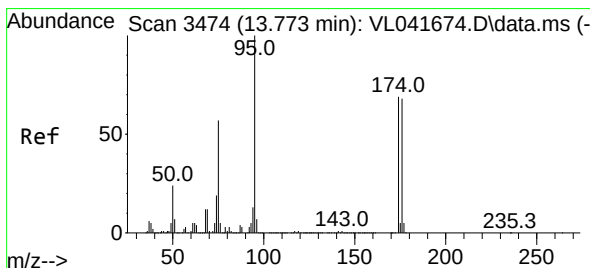
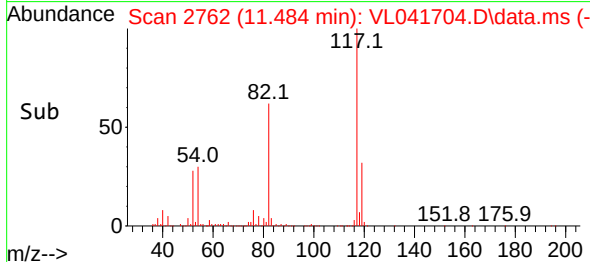
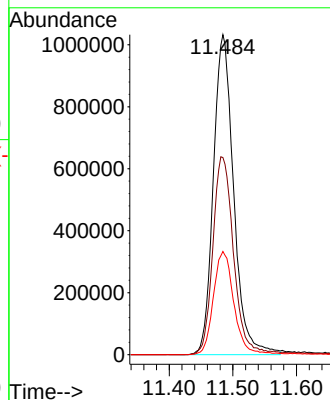
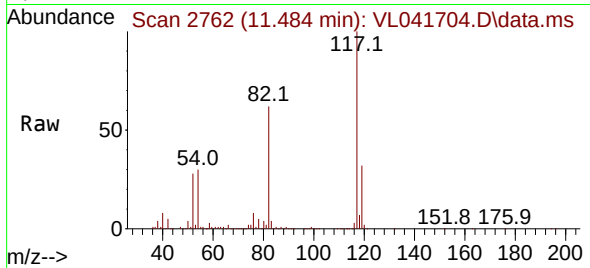




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

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Tgt Ion:117 Resp: 2287518
Ion Ratio Lower Upper
117 100
82 64.5 49.8 74.8
119 33.3 24.2 36.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.473 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.020 min
Lab File: VL041704.D
Acq: 20 Nov 2024 17:53

Tgt Ion: 95 Resp: 1596652
Ion Ratio Lower Upper
95 100
174 71.0 55.6 83.4
175 4.9 4.2 6.2

