

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041708.D
 Acq On : 20 Nov 2024 20:33
 Operator : SY/MD
 Sample : P4911-01 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 05:15:59 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)

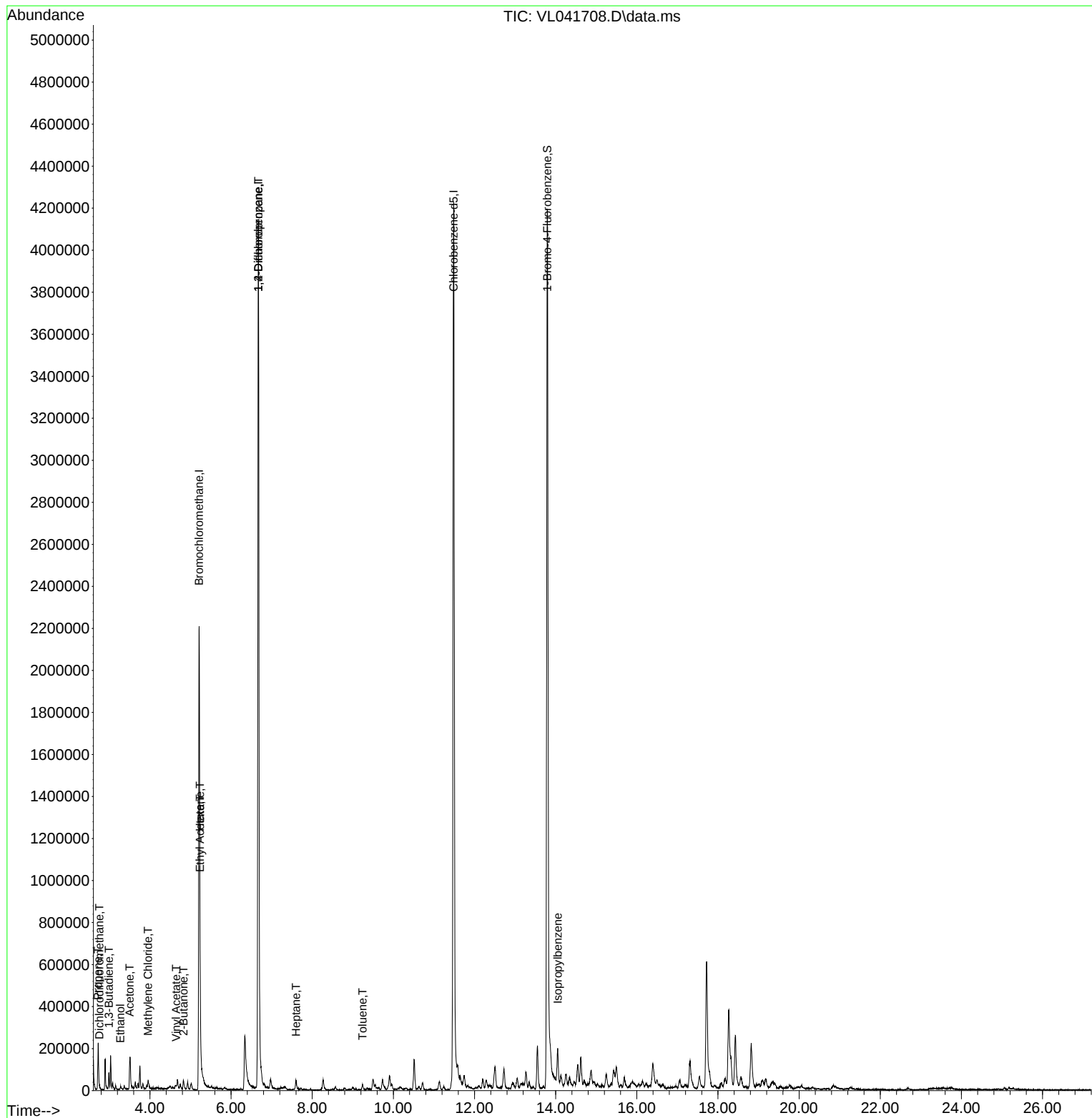
Internal Standards						
1) Bromochloromethane	5.211	49	1198174	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	3245825	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2859554	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2092511	9.931	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	6836	0.032	ppbv #	85
9) Propene	2.723	41	63961	0.940	ppbv	86
10) Heptane	7.603	43	6707	0.044	ppbv #	27
13) Ethanol	3.272	45	3633	0.872	ppbv #	40
15) Acetone	3.501	43	123468	0.837	ppbv	97
16) 1,3-Butadiene	2.989	39	19706	0.265	ppbv #	28
20) Methylene Chloride	3.954	84	10782	0.199	ppbv #	92
23) Vinyl Acetate	4.645	43	3022	0.046	ppbv #	1
25) Ethyl Acetate	5.234	43	44031	0.144	ppbv #	75
26) Hexane	5.230	57	60214	0.513	ppbv #	29
34) 2-Butanone	4.825	43	52579	0.325	ppbv	95
39) 1,2-Dichloropropane	6.671	63	815320	8.579	ppbv #	24
53) Toluene	9.240	91	16286	0.064	ppbv	98
62) Isopropylbenzene	14.050	105	148209	0.358	ppbv	99

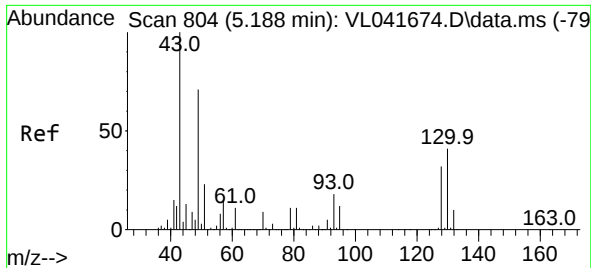
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Nov 21 05:15:59 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

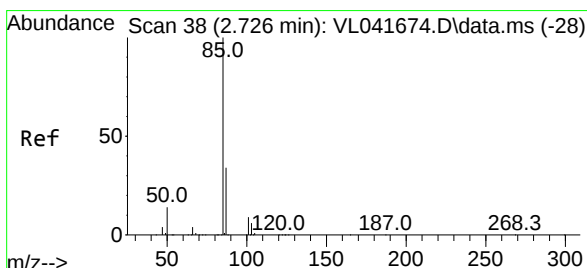
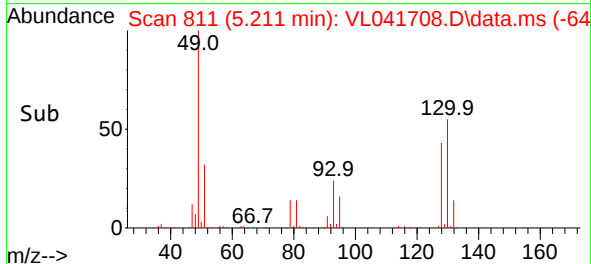
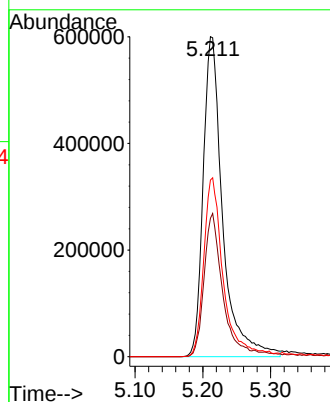
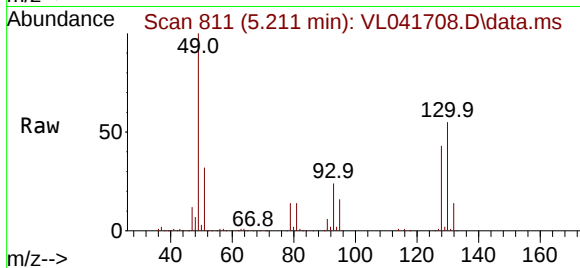




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.023 min
 Lab File: VL041708.D
 Acq: 20 Nov 2024 20:33

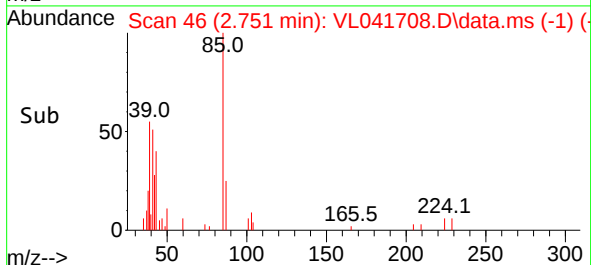
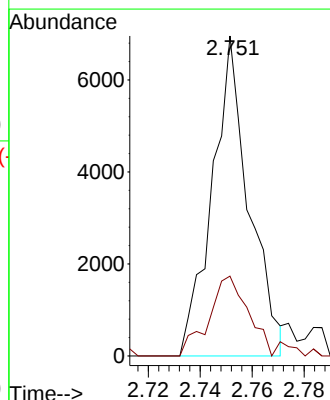
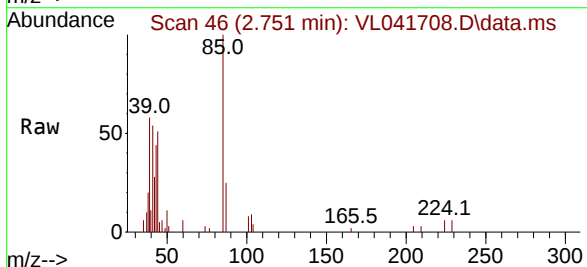
Instrument :
 MSVOA_L
 ClientSampleId :

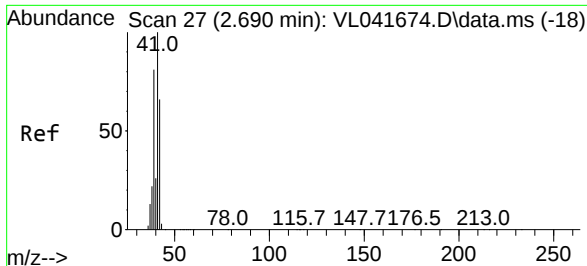
Tgt Ion: 49 Resp: 1198174
 Ion Ratio Lower Upper
 49 100
 128 45.1 23.8 71.2
 130 58.1 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.032 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.026 min
 Lab File: VL041708.D
 Acq: 20 Nov 2024 20:33

Tgt Ion: 85 Resp: 6836
 Ion Ratio Lower Upper
 85 100
 87 24.9 26.8 40.2#





#9

Propene

Concen: 0.940 ppbv

RT: 2.723 min Scan# 31

Delta R.T. 0.032 min

Lab File: VL041708.D

Acq: 20 Nov 2024 20:33

Instrument :

MSVOA_L

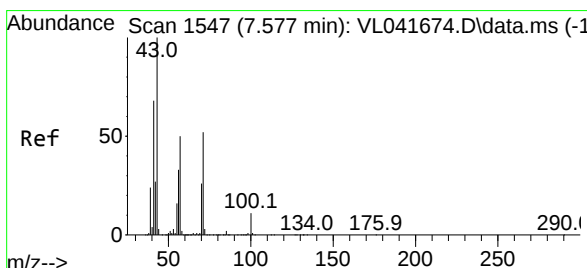
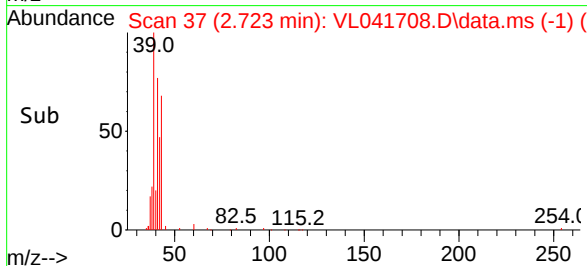
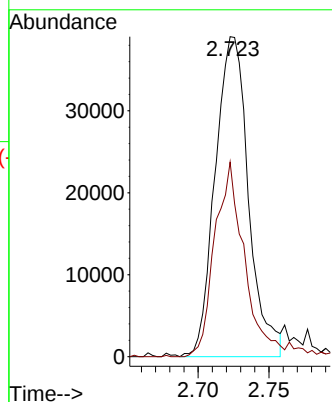
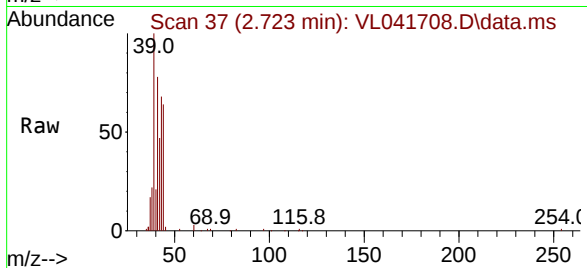
ClientSampleId :

Tgt Ion: 41 Resp: 63961

Ion Ratio Lower Upper

41 100

42 57.2 55.0 82.4



#10

Heptane

Concen: 0.044 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.026 min

Lab File: VL041708.D

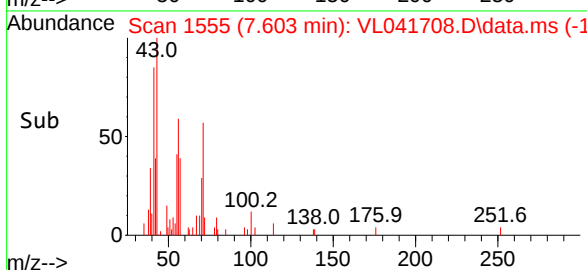
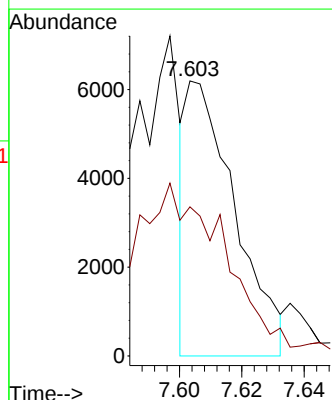
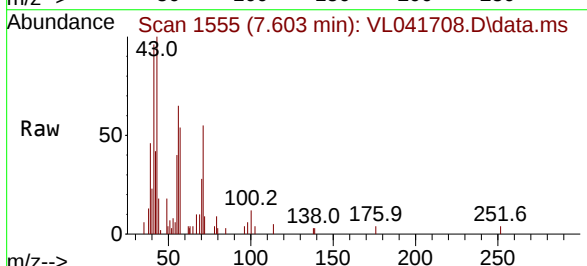
Acq: 20 Nov 2024 20:33

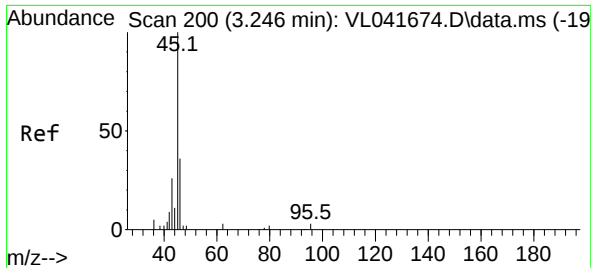
Tgt Ion: 43 Resp: 6707

Ion Ratio Lower Upper

43 100

57 0.0 40.0 60.0#

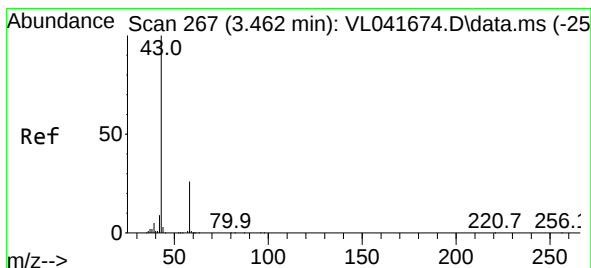
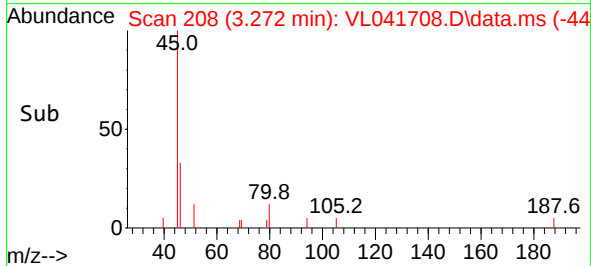
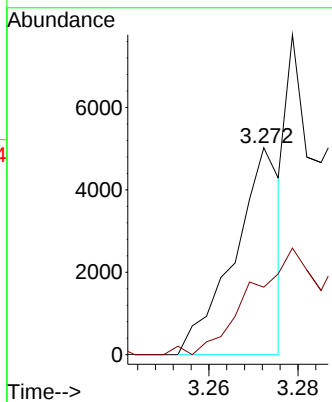
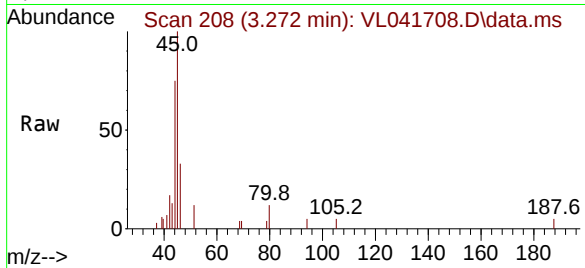




#13
Ethanol
Concen: 0.872 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.026 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

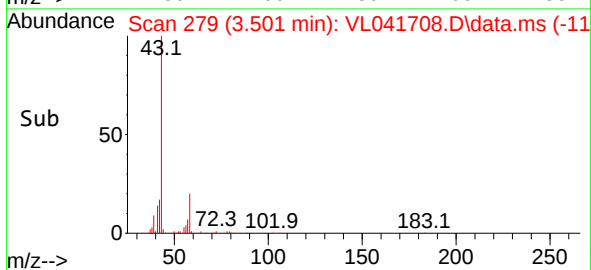
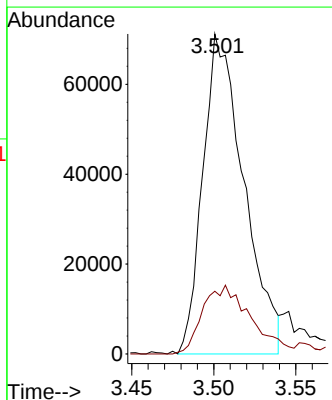
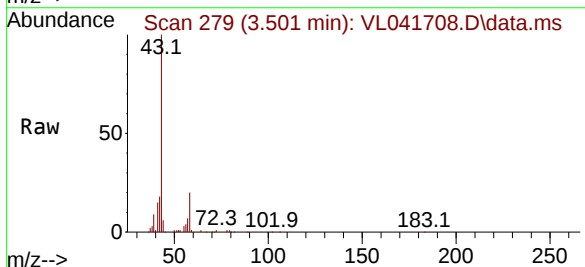
Instrument :
MSVOA_L
ClientSampleId :

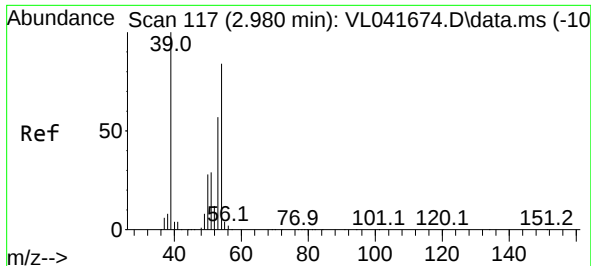
Tgt Ion: 45 Resp: 3633
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#



#15
Acetone
Concen: 0.837 ppbv
RT: 3.501 min Scan# 279
Delta R.T. 0.039 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Tgt Ion: 43 Resp: 123468
Ion Ratio Lower Upper
43 100
58 28.2 21.4 32.0





#16

1,3-Butadiene

Concen: 0.265 ppbv

RT: 2.989 min Scan# 117

Delta R.T. 0.010 min

Lab File: VL041708.D

Acq: 20 Nov 2024 20:33

Instrument :

MSVOA_L

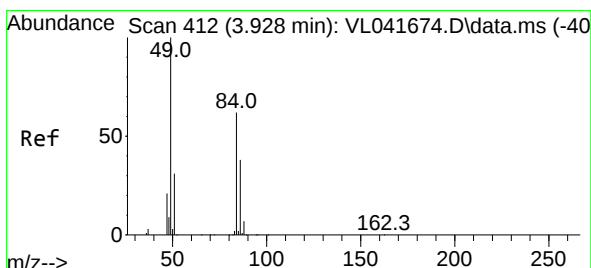
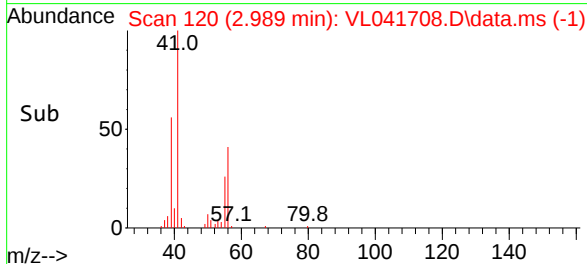
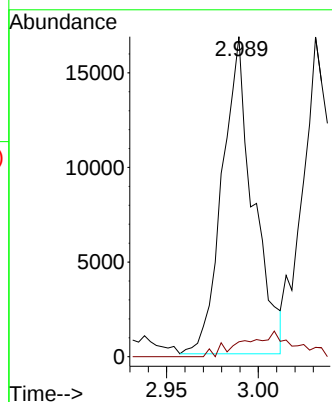
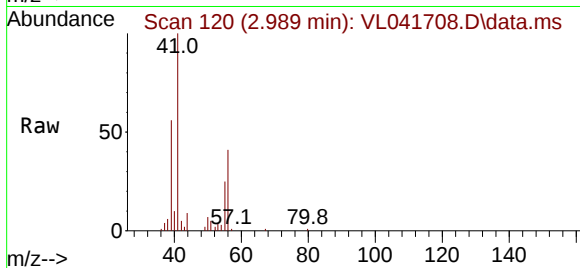
ClientSampleId :

Tgt Ion: 39 Resp: 19706

Ion Ratio Lower Upper

39 100

54 14.2 61.3 91.9#



#20

Methylene Chloride

Concen: 0.199 ppbv

RT: 3.954 min Scan# 420

Delta R.T. 0.026 min

Lab File: VL041708.D

Acq: 20 Nov 2024 20:33

Tgt Ion: 84 Resp: 10782

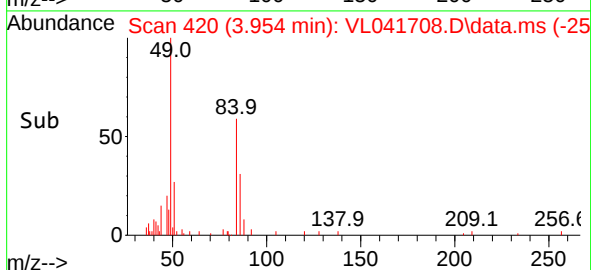
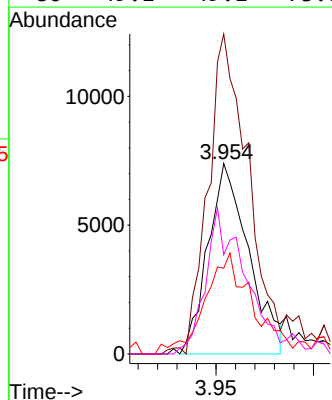
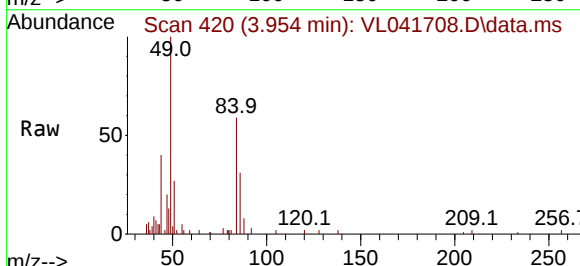
Ion Ratio Lower Upper

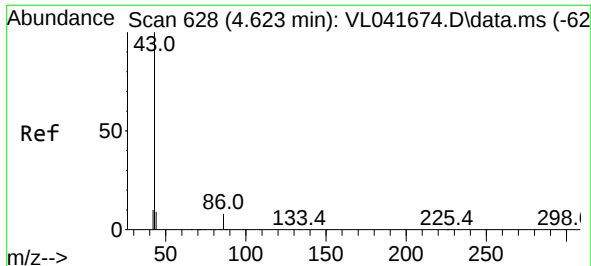
84 100

49 164.9 129.7 194.5

51 38.0 39.8 59.6#

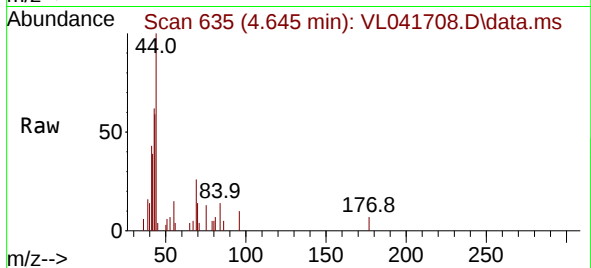
86 49.1 49.1 73.7#



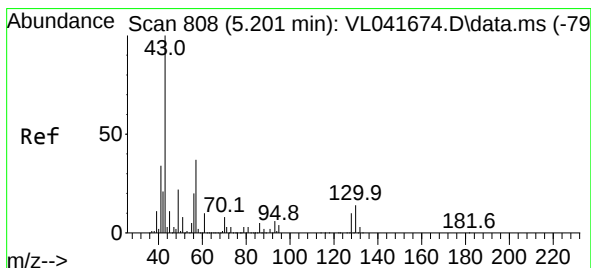
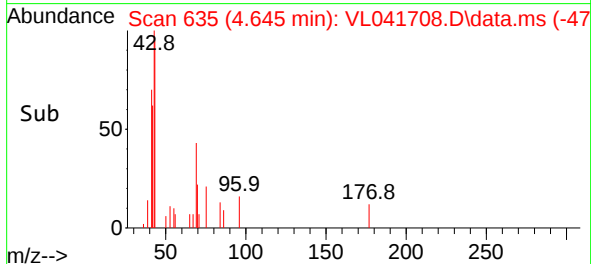
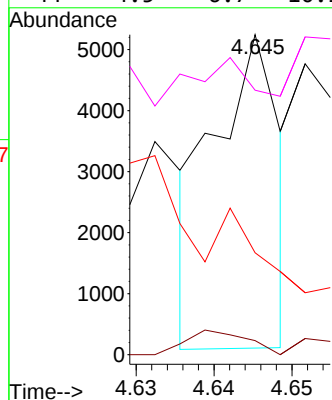


#23
 Vinyl Acetate
 Concen: 0.046 ppbv
 RT: 4.645 min Scan# 61
 Delta R.T. 0.023 min
 Lab File: VL041708.D
 Acq: 20 Nov 2024 20:33

Instrument :
 MSVOA_L
 ClientSampleId :

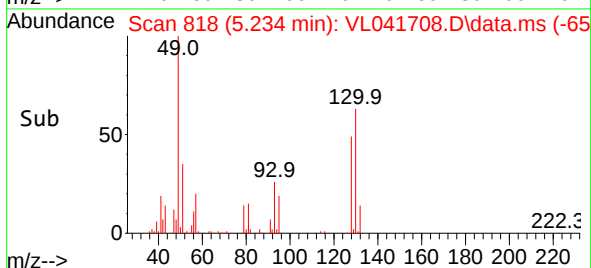
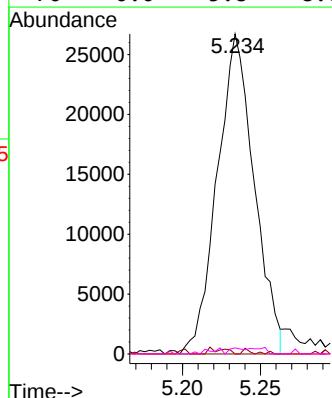
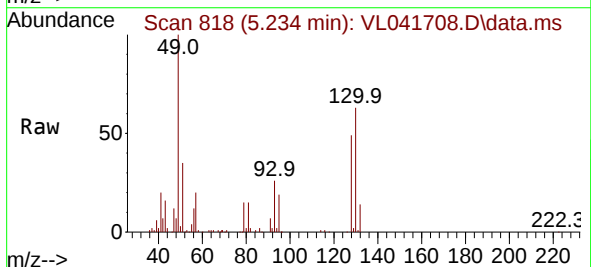


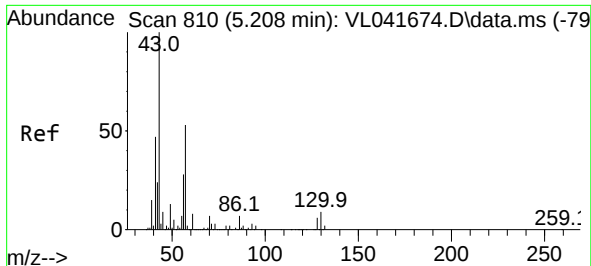
Tgt Ion: 43	Resp: 3022
Ion Ratio	Lower Upper
43 100	
86 10.4	5.3 7.9#
42 134.5	8.5 12.7#
44 4.5	6.7 10.1#



#25
 Ethyl Acetate
 Concen: 0.144 ppbv
 RT: 5.234 min Scan# 818
 Delta R.T. 0.032 min
 Lab File: VL041708.D
 Acq: 20 Nov 2024 20:33

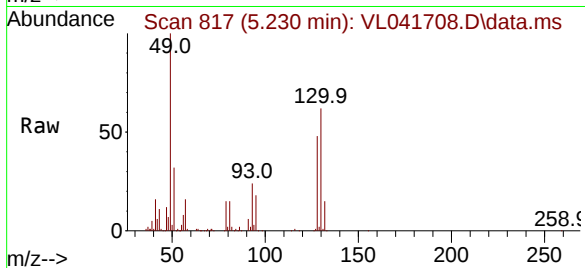
Tgt Ion: 43	Resp: 44031
Ion Ratio	Lower Upper
43 100	
45 1.3	8.6 13.0#
61 0.0	8.4 12.6#
70 0.0	5.8 8.6#



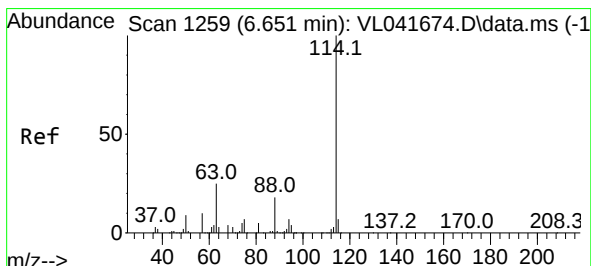
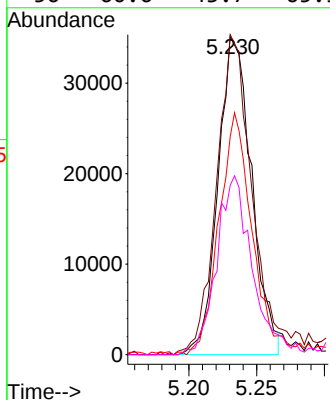
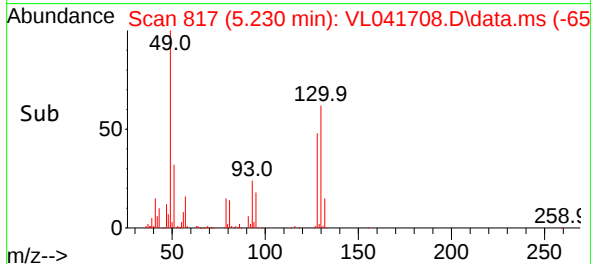


#26
Hexane
Concen: 0.513 ppbv
RT: 5.230 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Instrument :
MSVOA_L
ClientSampleId :

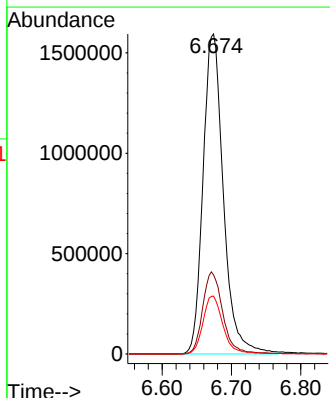
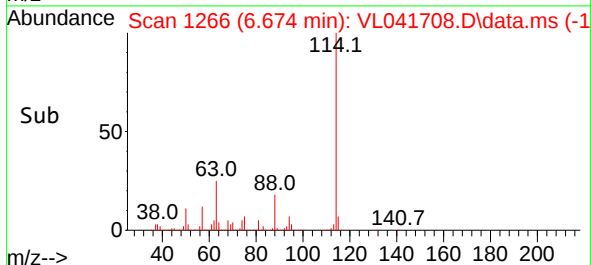
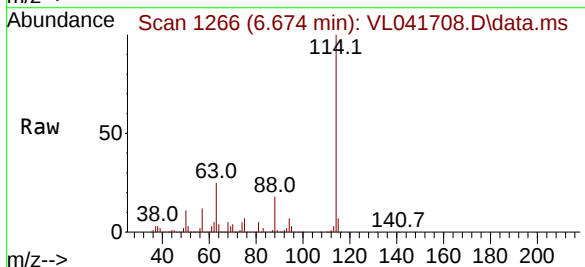


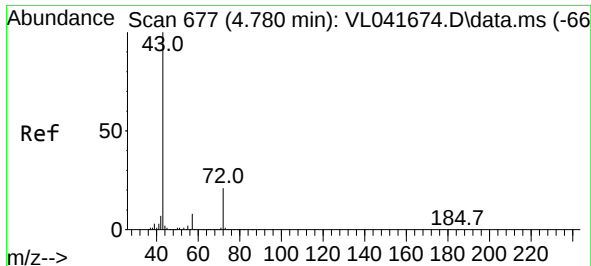
Tgt Ion: 57 Resp: 60214
Ion Ratio Lower Upper
57 100
41 116.8 76.1 114.1#
43 75.3 207.0 310.6#
56 60.6 43.7 65.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.023 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Tgt Ion: 114 Resp: 3245825
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 17.9 14.2 21.4

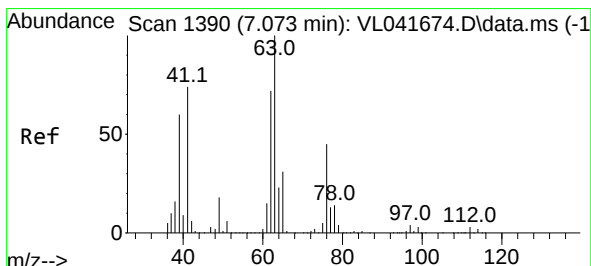
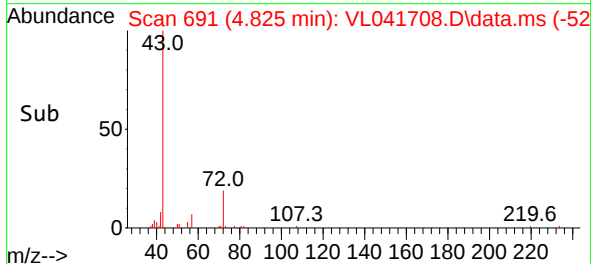
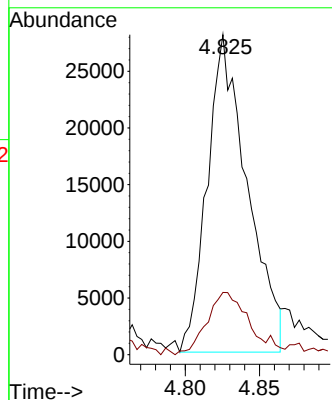
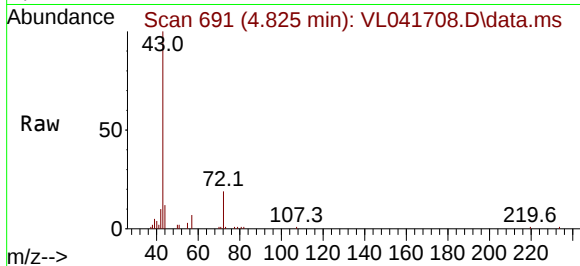




#34
2-Butanone
Concen: 0.325 ppbv
RT: 4.825 min Scan# 61
Delta R.T. 0.045 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

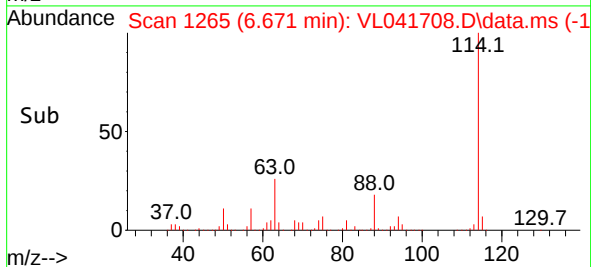
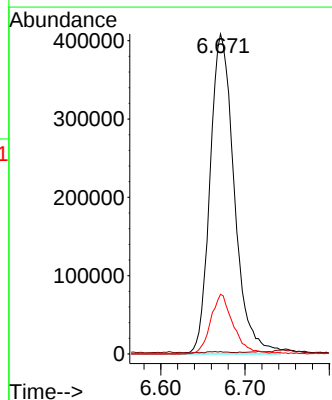
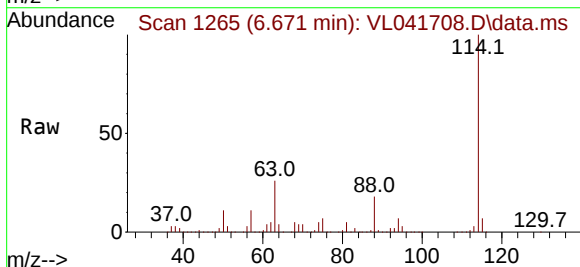
Instrument :
MSVOA_L
ClientSampleId :

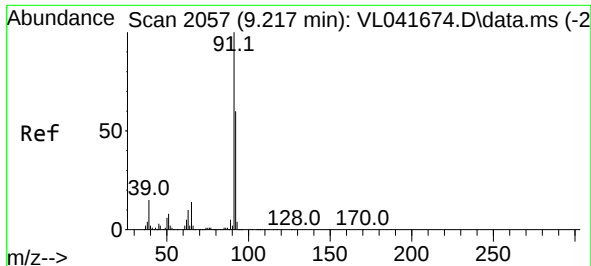
Tgt Ion: 43 Resp: 52579
Ion Ratio Lower Upper
43 100
72 24.0 17.4 26.0



#39
1,2-Dichloropropane
Concen: 8.579 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. -0.402 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Tgt Ion: 63 Resp: 815320
Ion Ratio Lower Upper
63 100
41 0.3 59.1 88.7#
62 18.7 57.7 86.5#

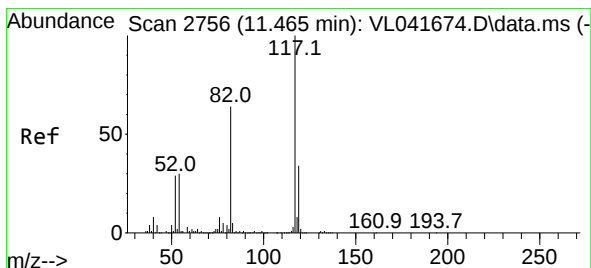
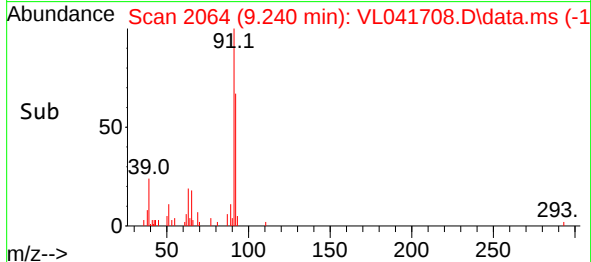
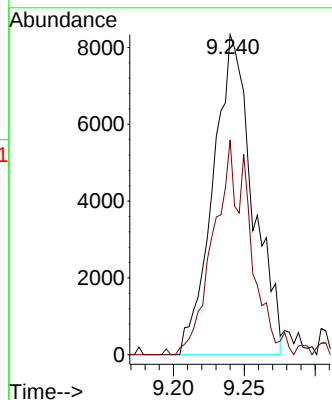
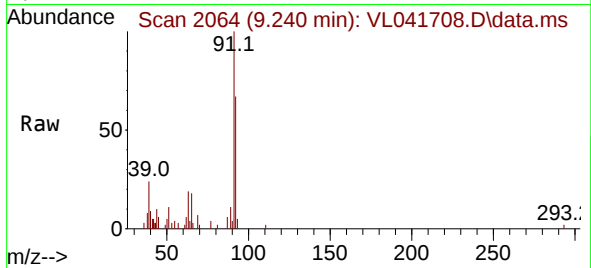




#53
Toluene
Concen: 0.064 ppbv
RT: 9.240 min Scan# 2057
Delta R.T. 0.023 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

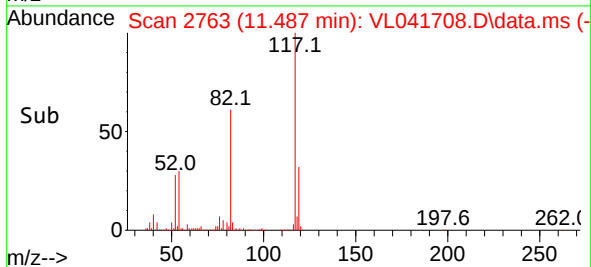
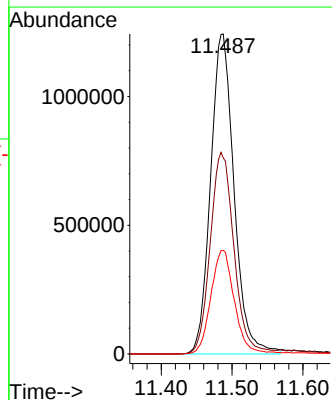
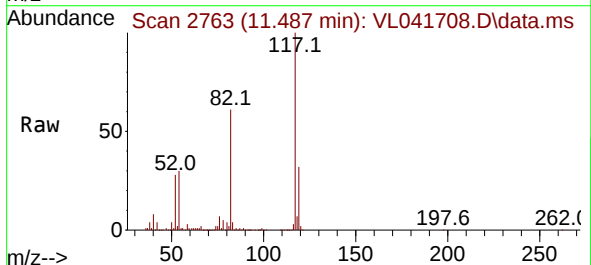
Instrument :
MSVOA_L
ClientSampleId :

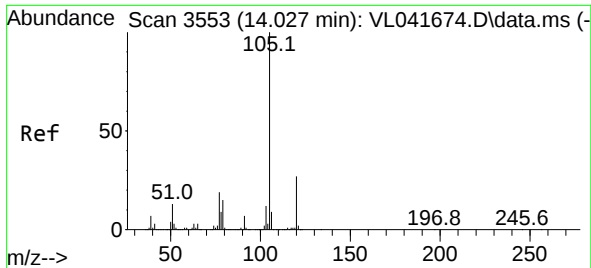
Tgt Ion: 91 Resp: 16286
Ion Ratio Lower Upper
91 100
92 62.5 49.0 73.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.023 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Tgt Ion: 117 Resp: 2859554
Ion Ratio Lower Upper
117 100
82 65.9 49.8 74.8
119 32.9 24.2 36.4

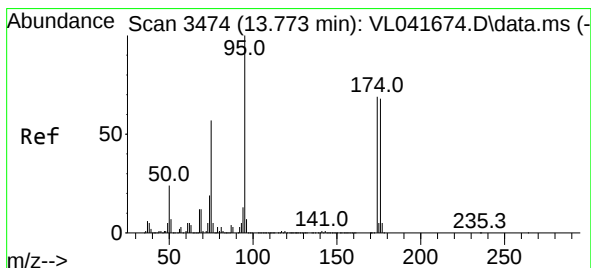
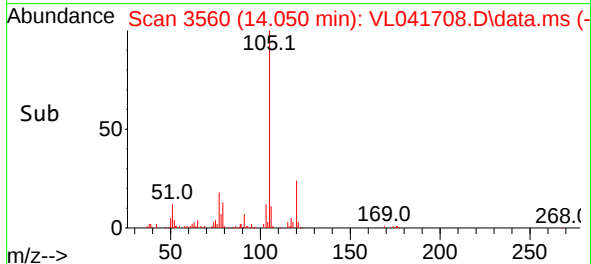
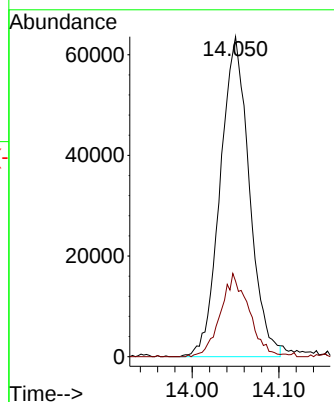
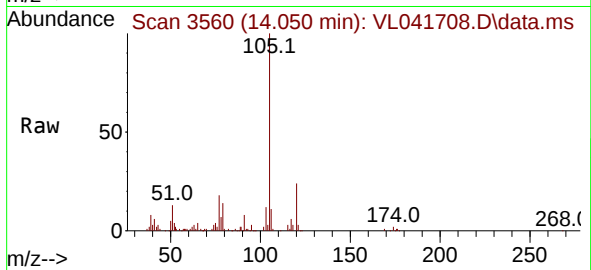




#62
Isopropylbenzene
Concen: 0.358 ppbv
RT: 14.050 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 148209
Ion Ratio Lower Upper
105 100
120 25.6 21.1 31.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.931 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.023 min
Lab File: VL041708.D
Acq: 20 Nov 2024 20:33

Tgt Ion: 95 Resp: 2092511
Ion Ratio Lower Upper
95 100
174 71.9 55.6 83.4
175 4.9 4.2 6.2

