

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041703.D
 Acq On : 20 Nov 2024 17:13
 Operator : SY/MD
 Sample : P4633-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL

Quant Time: Nov 21 05:11:58 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)

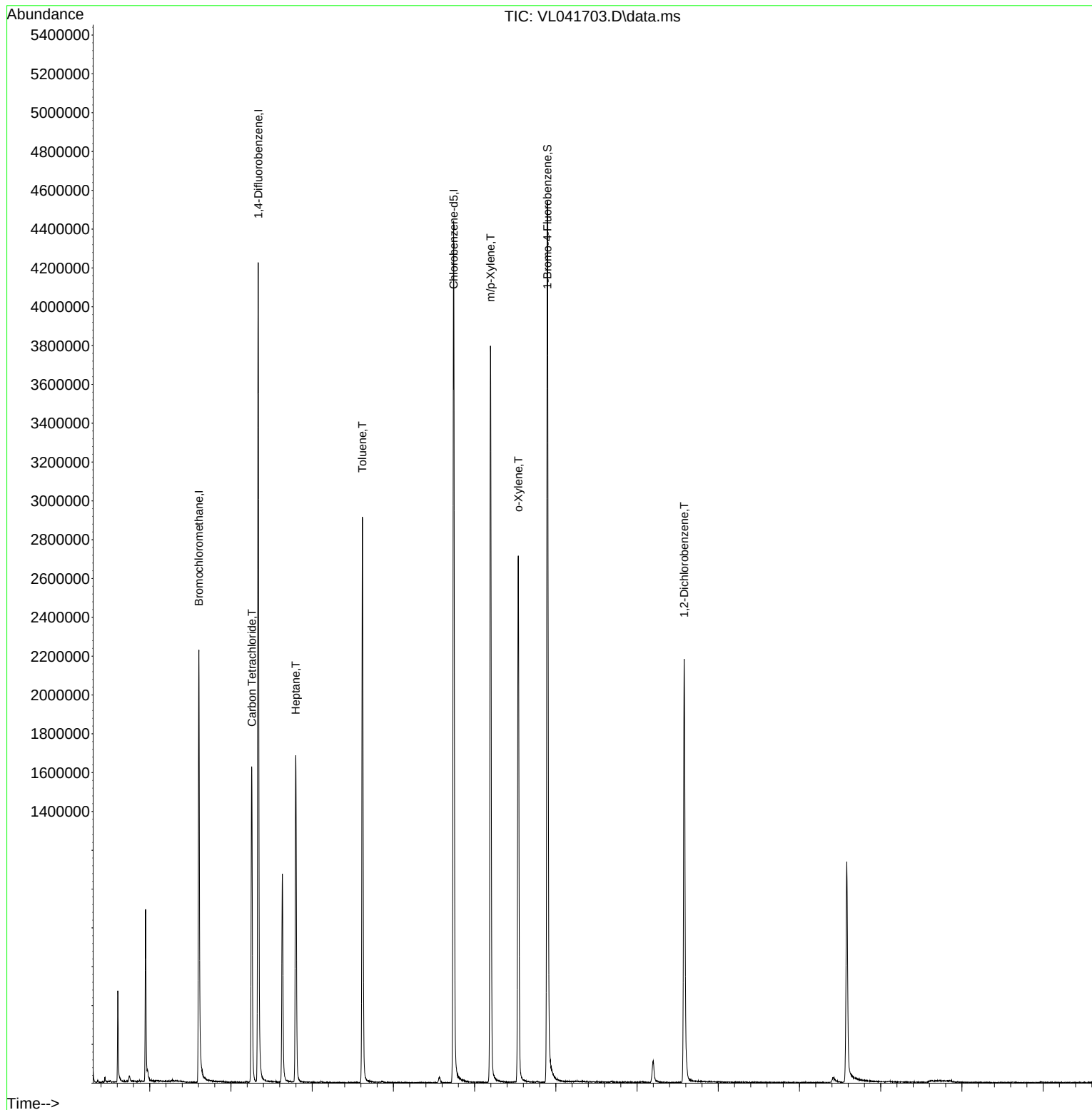
Internal Standards						
1) Bromochloromethane	5.211	49	1151749	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3143518	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2826325	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2210509	10.615	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.100%	
Target Compounds						
						Qvalue
7) Chloroethane	3.214	64	297399	11.396	ppbv	98
10) Heptane	7.594	43	731285	4.991	ppbv	100
18) 1,1-Dichloroethene	3.899	96	245003	4.239	ppbv	92
35) Carbon Tetrachloride	6.513	117	995563	6.003	ppbv	97
42) Bromodichloromethane	7.266	83	736790	4.035	ppbv	100
53) Toluene	9.237	91	2305967	9.415	ppbv	100
59) m/p-Xylene	12.391	91	2829198	10.196	ppbv	96
60) o-Xylene	13.076	91	2115938	7.997	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1212635	6.304	ppbv	99
81) 1,2,4-Trichlorobenzene	21.166	180	504146	4.142	ppbv	95

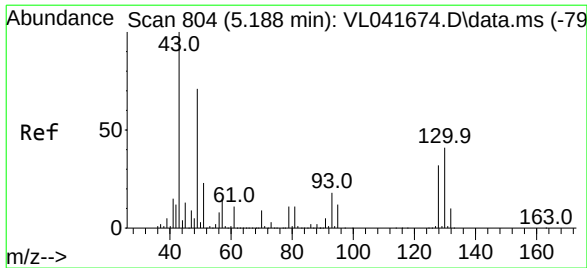
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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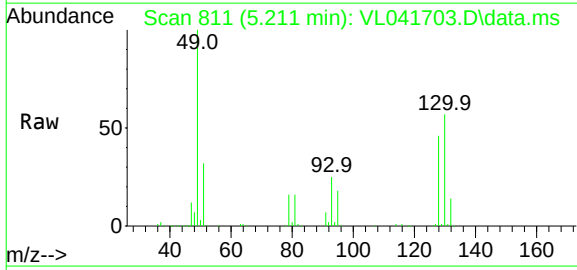
Quant Time: Nov 21 05:11:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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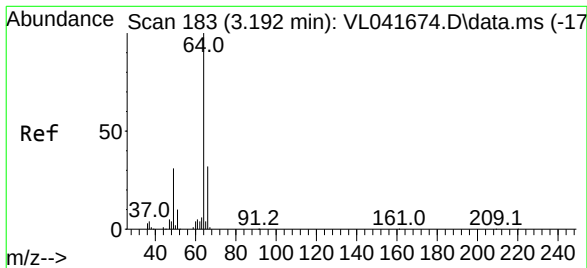
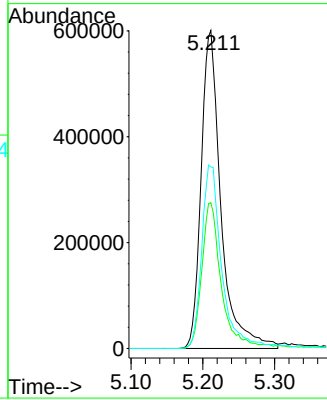
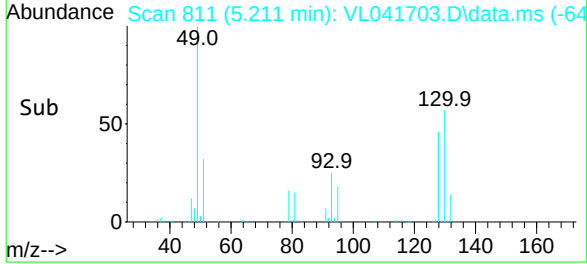


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL041703.D
Acq: 20 Nov 2024 17:13

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

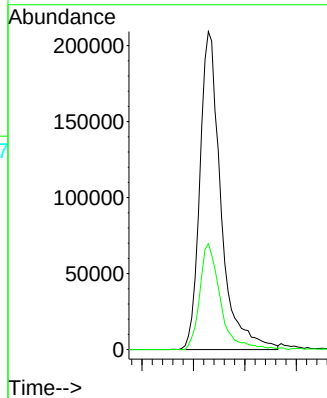
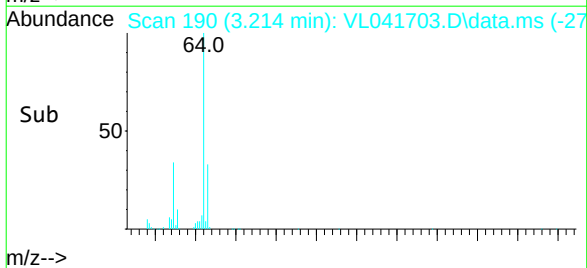
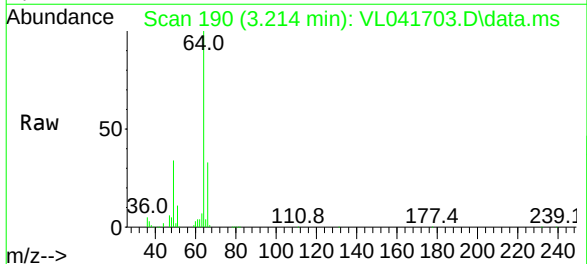


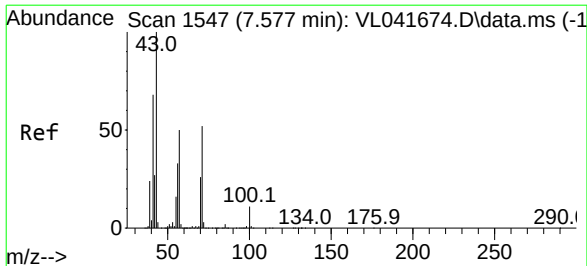
Tgt Ion: 49 Resp: 1151749
Ion Ratio Lower Upper
49 100
128 46.6 23.8 71.2
130 60.4 30.1 90.5



#7
Chloroethane
Concen: 11.396 ppbv
RT: 3.214 min Scan# 190
Delta R.T. 0.023 min
Lab File: VL041703.D
Acq: 20 Nov 2024 17:13

Tgt Ion: 64 Resp: 297399
Ion Ratio Lower Upper
64 100
66 33.3 25.9 38.9

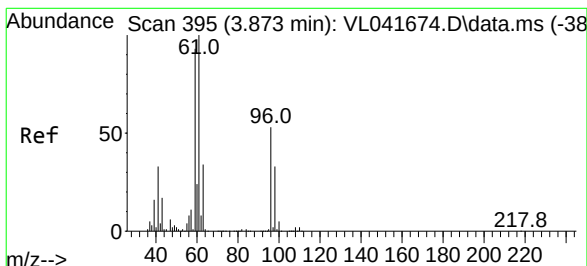
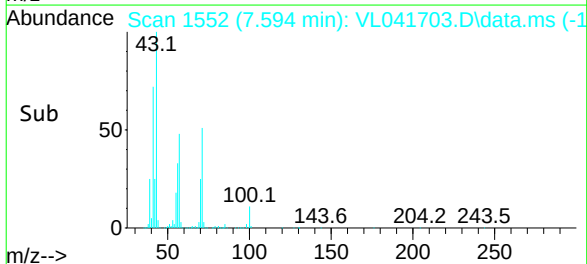
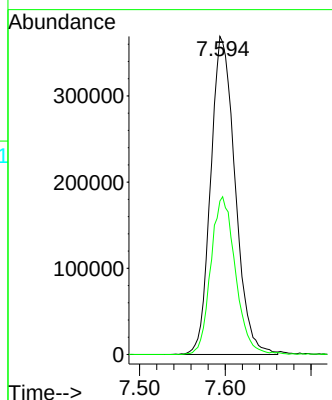
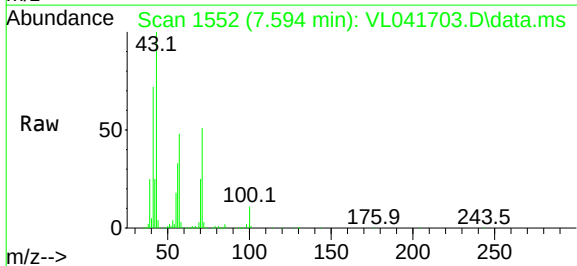




#10
Heptane
Concen: 4.991 ppbv
RT: 7.594 min Scan# 15
Delta R.T. 0.016 min
Lab File: VL041703.D
Acq: 20 Nov 2024 17:13

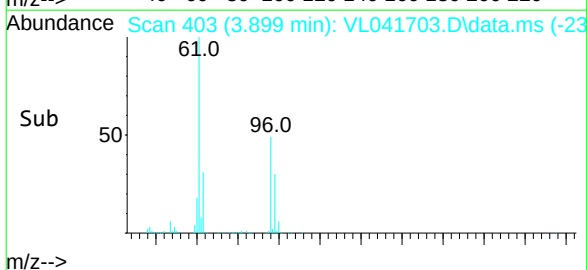
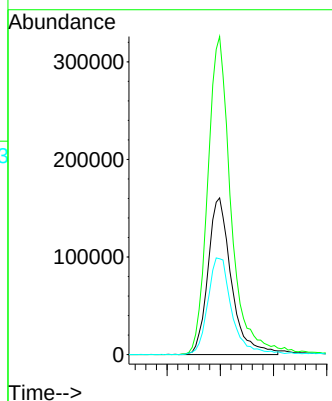
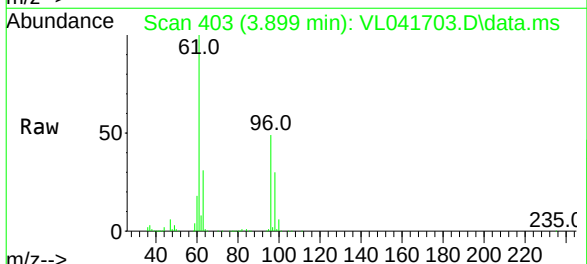
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

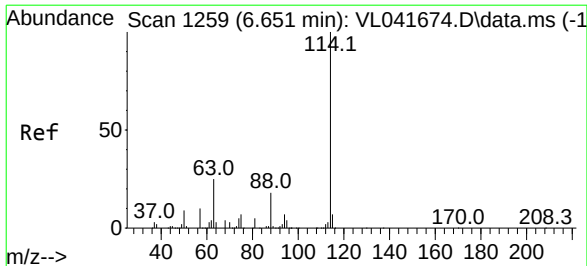
Tgt Ion: 43 Resp: 731285
Ion Ratio Lower Upper
43 100
57 50.1 40.0 60.0



#18
1,1-Dichloroethene
Concen: 4.239 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.026 min
Lab File: VL041703.D
Acq: 20 Nov 2024 17:13

Tgt Ion: 96 Resp: 245003
Ion Ratio Lower Upper
96 100
61 203.0 150.7 226.1
98 61.1 49.4 74.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 12

Delta R.T. 0.019 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

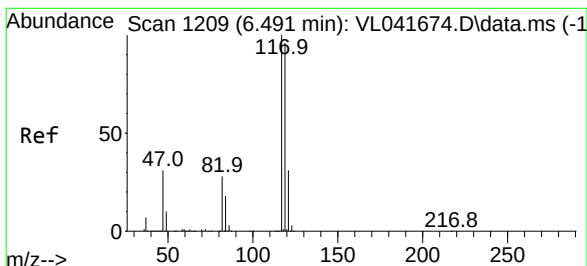
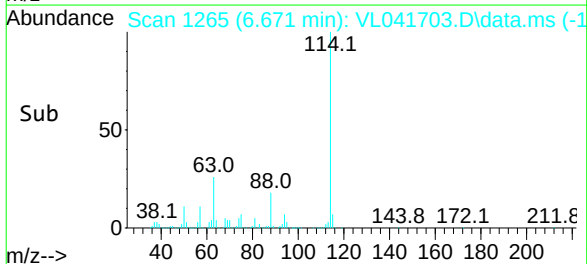
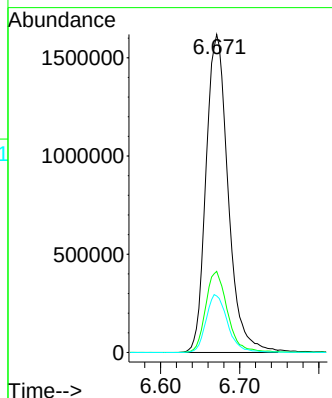
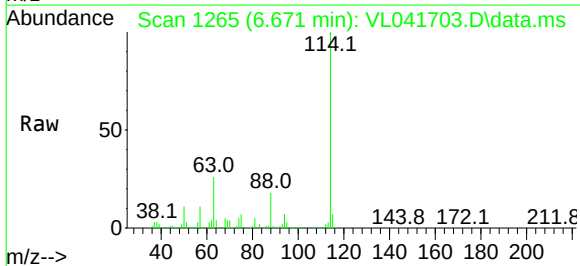
Tgt Ion:114 Resp: 3143518

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.2 21.4



#35

Carbon Tetrachloride

Concen: 6.003 ppbv

RT: 6.513 min Scan# 1216

Delta R.T. 0.023 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

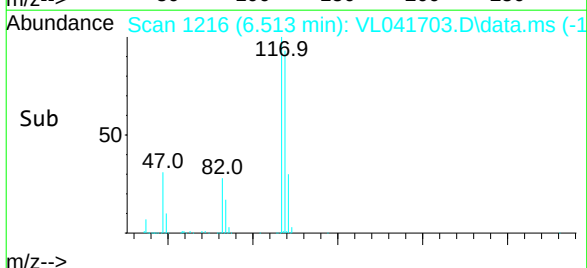
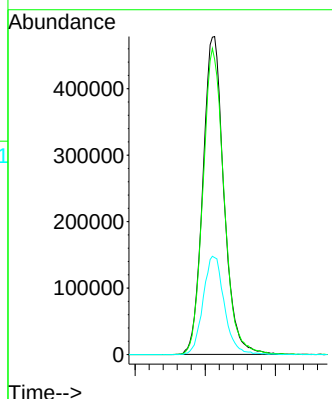
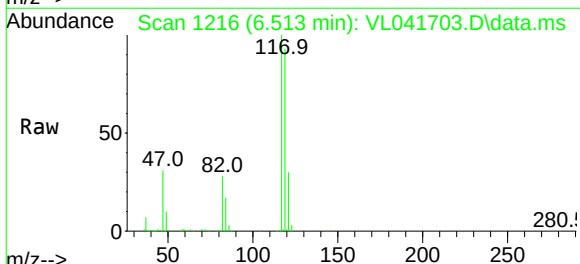
Tgt Ion:117 Resp: 995563

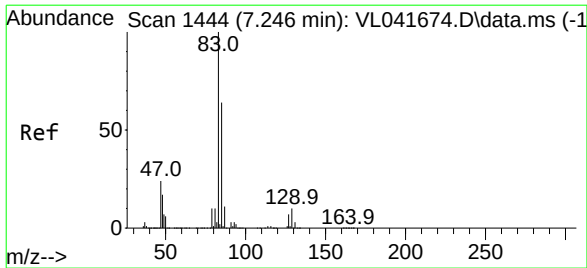
Ion Ratio Lower Upper

117 100

119 92.8 77.2 115.8

121 30.5 25.0 37.4

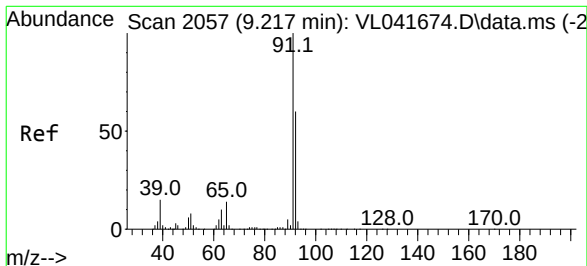
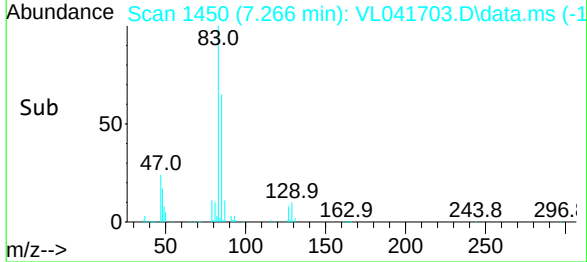
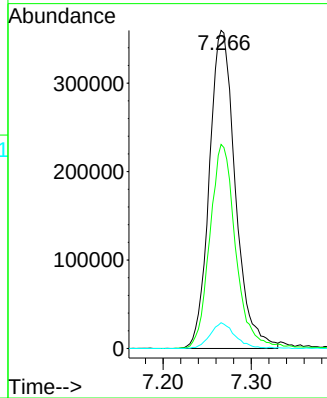
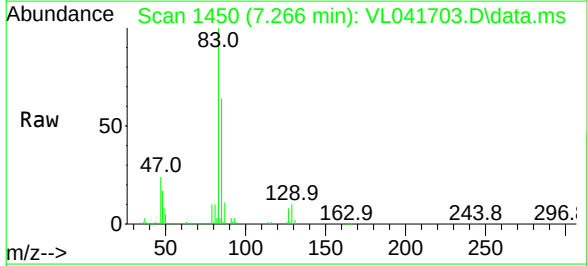




#42
Bromodichloromethane
Concen: 4.035 ppbv
RT: 7.266 min Scan# 14
Delta R.T. 0.019 min
Lab File: VL041703.D
Acq: 20 Nov 2024 17:13

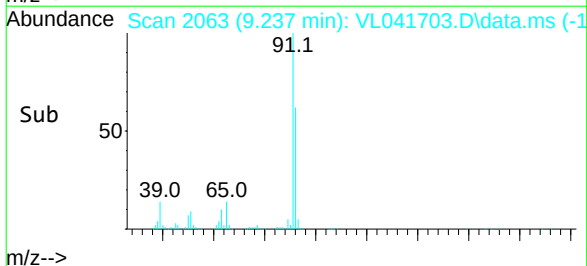
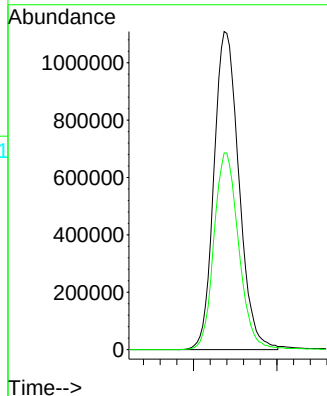
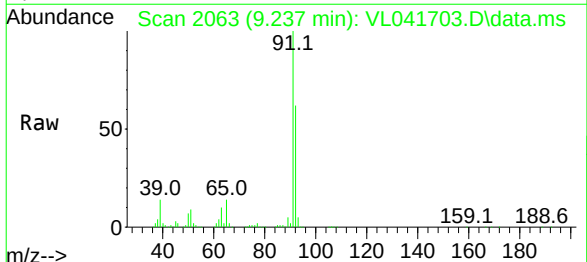
Instrument :
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ClientSampleId :
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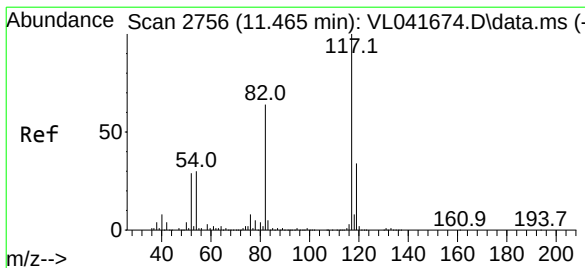
Tgt Ion: 83 Resp: 736790
Ion Ratio Lower Upper
83 100
85 64.1 51.2 76.8
127 8.1 6.0 9.0



#53
Toluene
Concen: 9.415 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.020 min
Lab File: VL041703.D
Acq: 20 Nov 2024 17:13

Tgt Ion: 91 Resp: 2305967
Ion Ratio Lower Upper
91 100
92 61.5 49.0 73.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 27

Delta R.T. 0.020 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

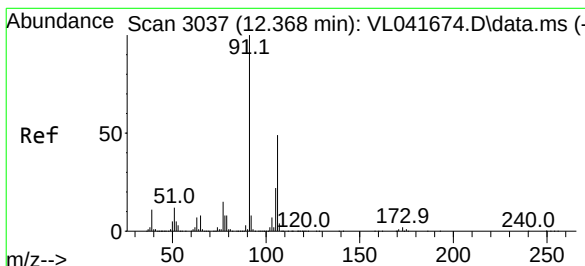
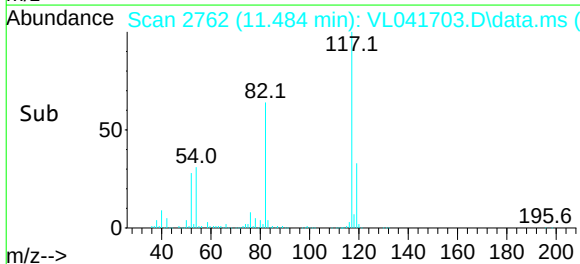
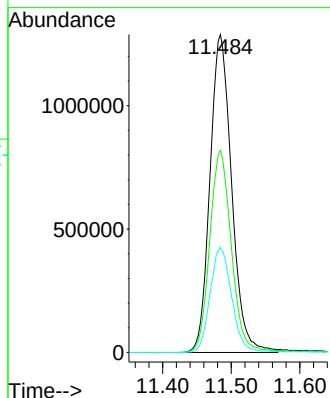
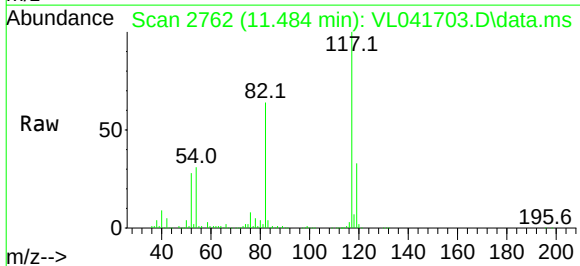
Tgt Ion:117 Resp: 2826325

Ion Ratio Lower Upper

117 100

82 63.9 49.8 74.8

119 33.4 24.2 36.4



#59

m/p-Xylene

Concen: 10.196 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. 0.023 min

Lab File: VL041703.D

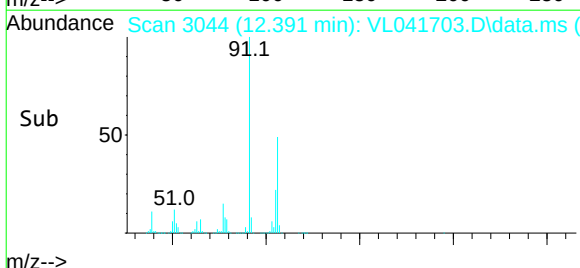
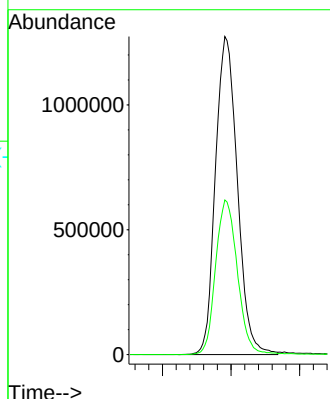
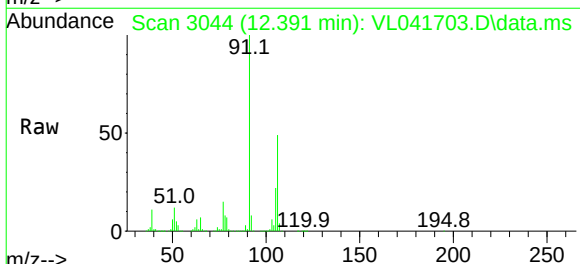
Acq: 20 Nov 2024 17:13

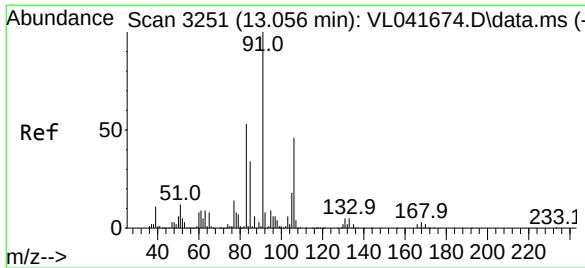
Tgt Ion: 91 Resp: 2829198

Ion Ratio Lower Upper

91 100

106 48.7 36.9 55.3





#60

o-Xylene

Concen: 7.997 ppbv

RT: 13.076 min Scan# 32

Delta R.T. 0.020 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

Instrument :

MSVOA_L

ClientSampleId :

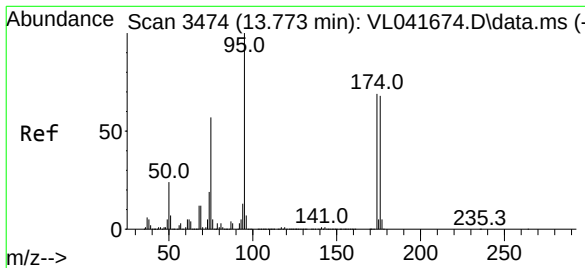
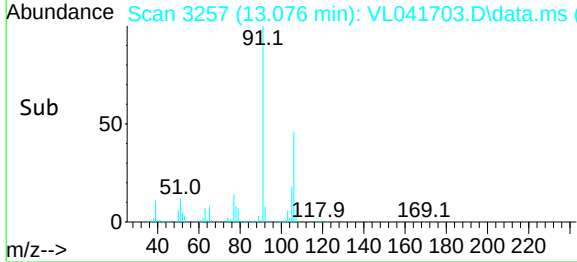
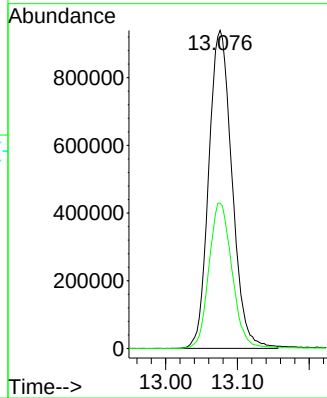
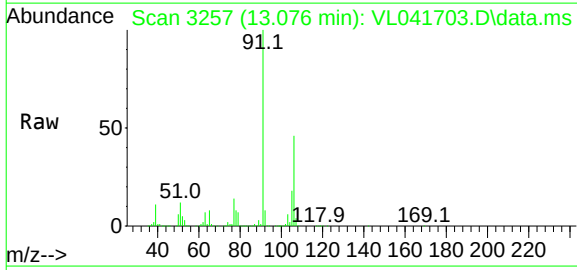
E070-1100DL

Tgt Ion: 91 Resp: 2115938

Ion Ratio Lower Upper

91 100

106 45.8 23.2 69.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.615 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.020 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

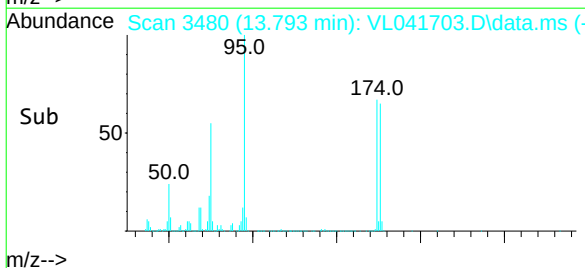
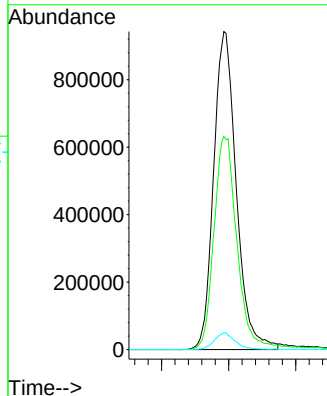
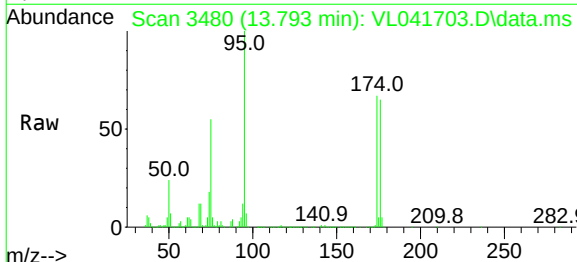
Tgt Ion: 95 Resp: 2210509

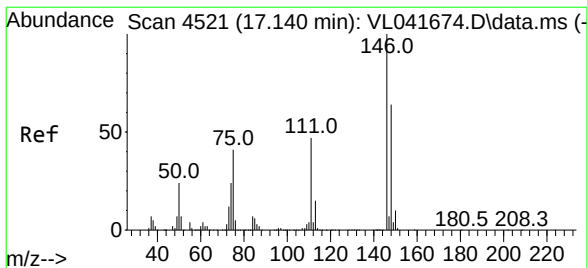
Ion Ratio Lower Upper

95 100

174 69.4 55.6 83.4

175 5.1 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 6.304 ppbv

RT: 17.159 min Scan# 45

Delta R.T. 0.020 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

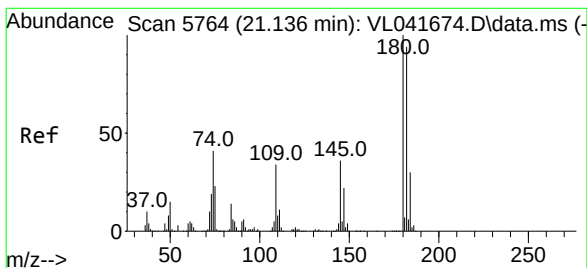
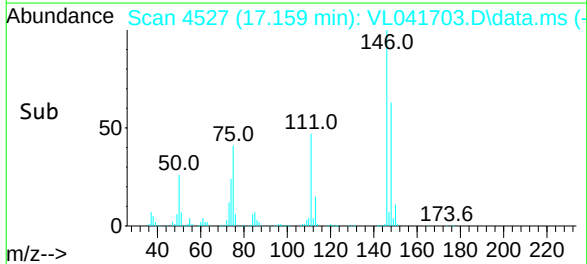
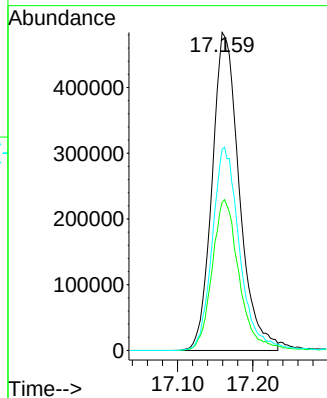
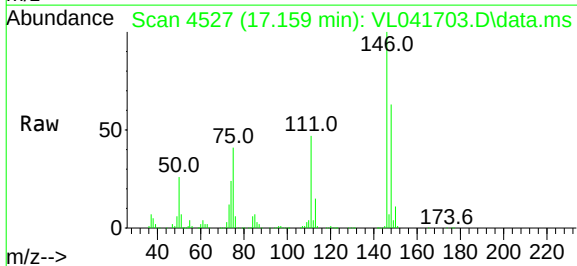
Tgt Ion:146 Resp: 1212635

Ion Ratio Lower Upper

146 100

111 47.5 23.4 70.3

148 64.6 32.1 96.5



#81

1,2,4-Trichlorobenzene

Concen: 4.142 ppbv

RT: 21.166 min Scan# 5773

Delta R.T. 0.029 min

Lab File: VL041703.D

Acq: 20 Nov 2024 17:13

Tgt Ion:180 Resp: 504146

Ion Ratio Lower Upper

180 100

182 104.6 78.2 117.2

184 31.4 25.0 37.4

