

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041702.D
 Acq On : 20 Nov 2024 16:34
 Operator : SY/MD
 Sample : P4633-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

Quant Time: Nov 21 05:11:25 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)

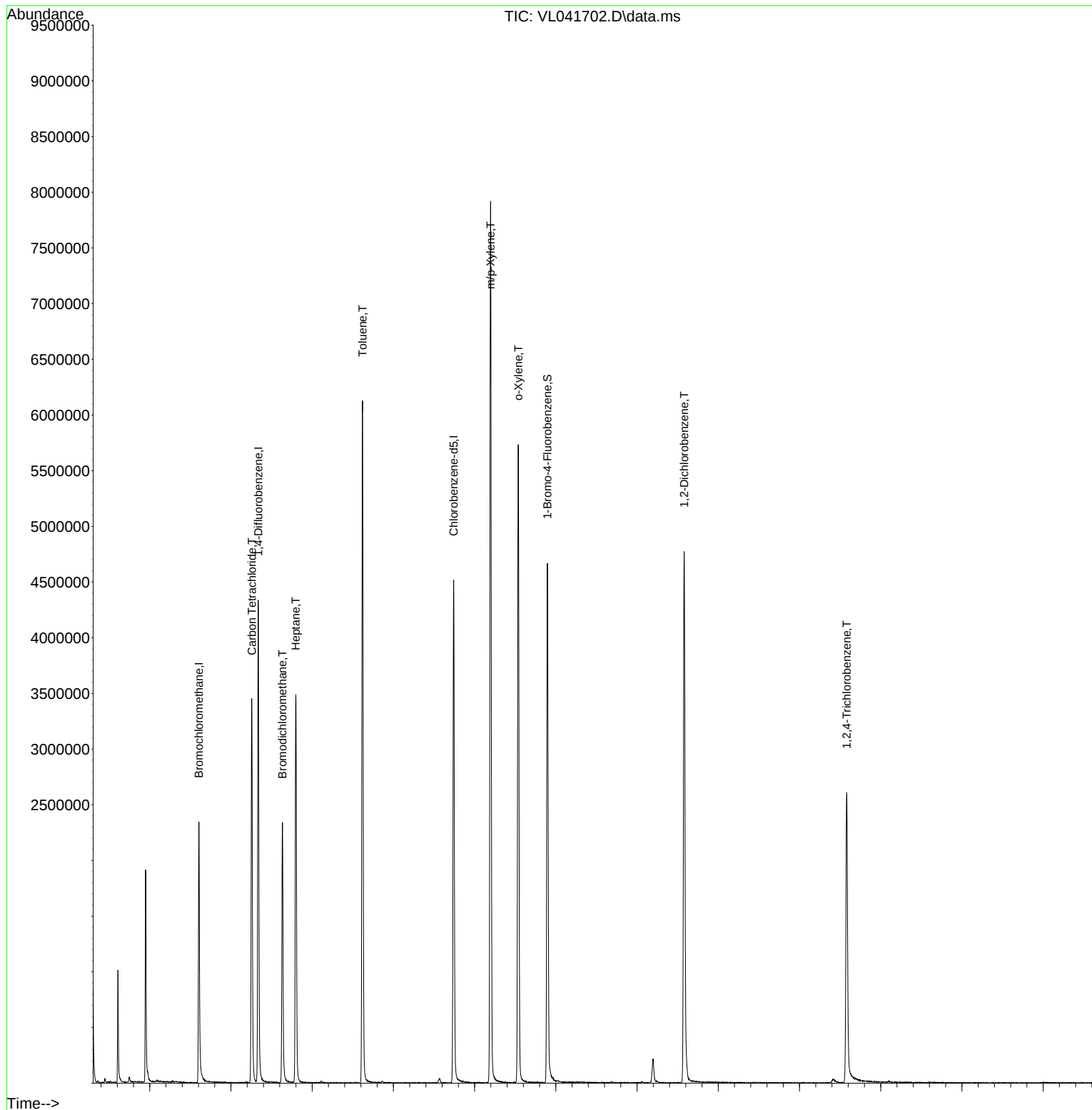
Internal Standards						
1) Bromochloromethane	5.211	49	1168943	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3239599	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2918692	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2266212	10.538	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.400%	
Target Compounds						
					Qvalue	
7) Chloroethane	3.218	64	644279	24.326	ppbv	100
10) Heptane	7.597	43	1652532	11.112	ppbv	100
18) 1,1-Dichloroethene	3.899	96	536046	9.137	ppbv	97
35) Carbon Tetrachloride	6.513	117	2140108	12.521	ppbv	98
42) Bromodichloromethane	7.269	83	1627510	8.649	ppbv	99
53) Toluene	9.240	91	4992967	19.780	ppbv	99
59) m/p-Xylene	12.394	91	5976912	20.859	ppbv	94
60) o-Xylene	13.076	91	4596380	16.822	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	2754177	13.864	ppbv	100
81) 1,2,4-Trichlorobenzene	21.165	180	1218241	9.693	ppbv	96

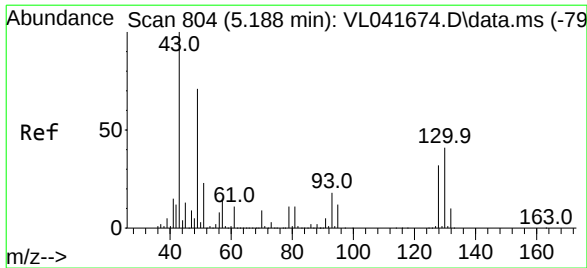
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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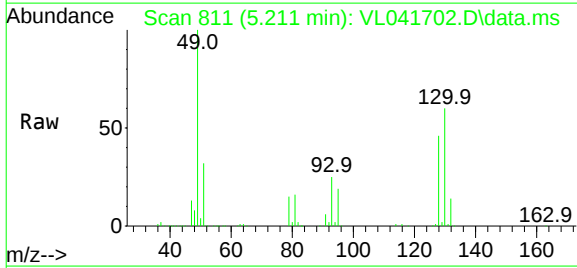
Quant Time: Nov 21 05:11:25 2024
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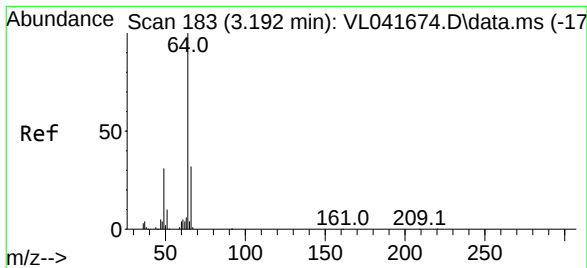
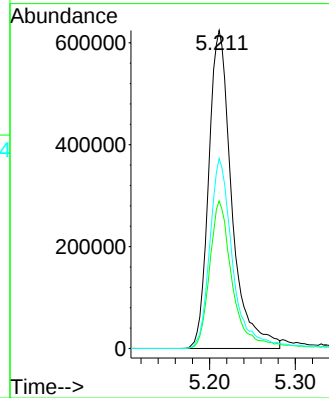
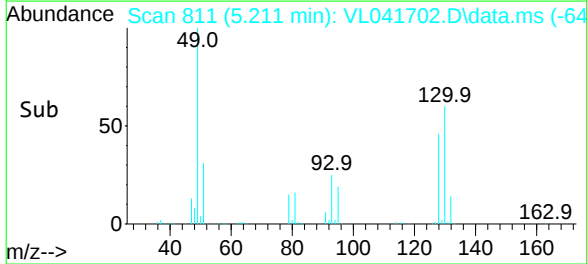


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.023 min
 Lab File: VL041702.D
 Acq: 20 Nov 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

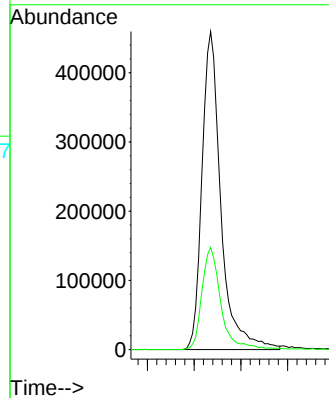
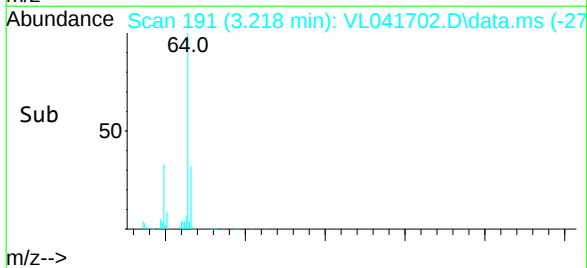
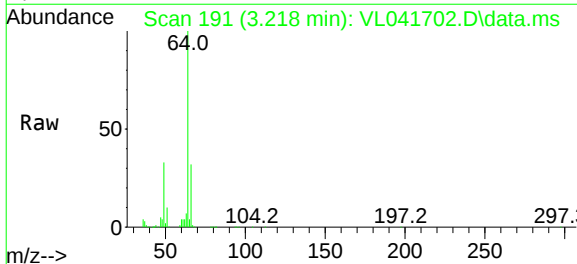


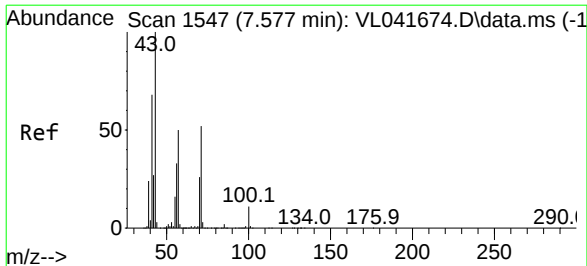
Tgt Ion: 49 Resp: 1168943
 Ion Ratio Lower Upper
 49 100
 128 47.6 23.8 71.2
 130 61.3 30.1 90.5



#7
 Chloroethane
 Concen: 24.326 ppbv
 RT: 3.218 min Scan# 191
 Delta R.T. 0.026 min
 Lab File: VL041702.D
 Acq: 20 Nov 2024 16:34

Tgt Ion: 64 Resp: 644279
 Ion Ratio Lower Upper
 64 100
 66 32.2 25.9 38.9





#10

Heptane

Concen: 11.112 ppbv

RT: 7.597 min Scan# 15

Delta R.T. 0.019 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

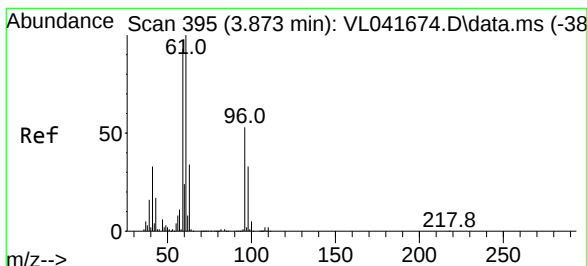
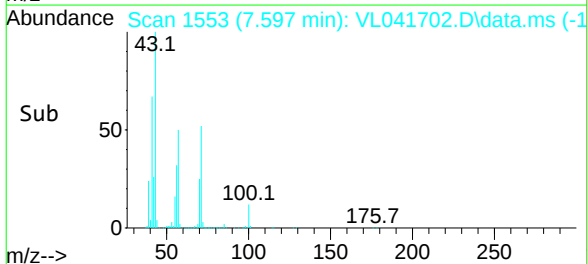
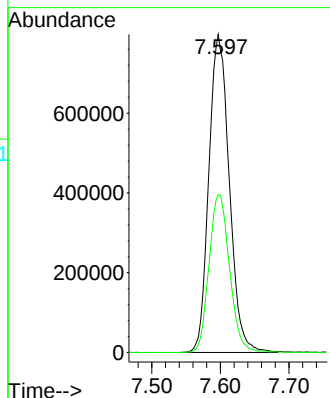
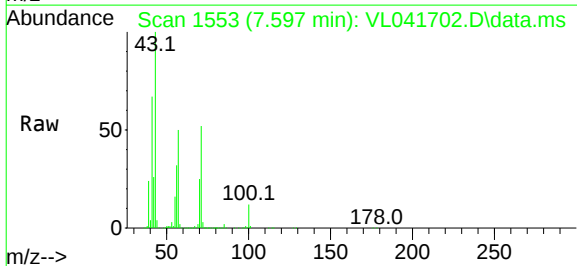
E070-1100

Tgt Ion: 43 Resp: 1652532

Ion Ratio Lower Upper

43 100

57 50.0 40.0 60.0



#18

1,1-Dichloroethene

Concen: 9.137 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.026 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

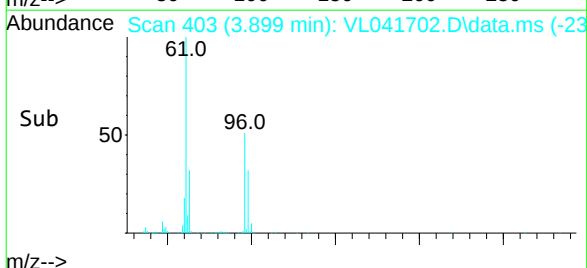
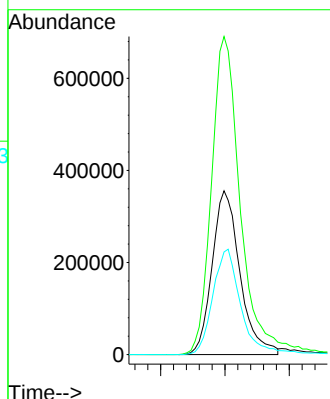
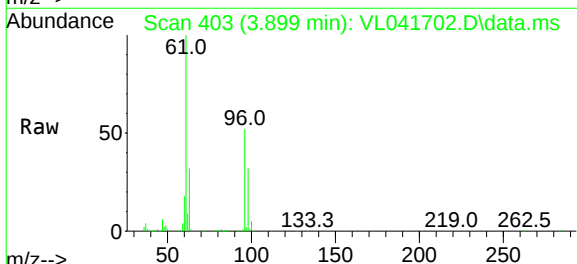
Tgt Ion: 96 Resp: 536046

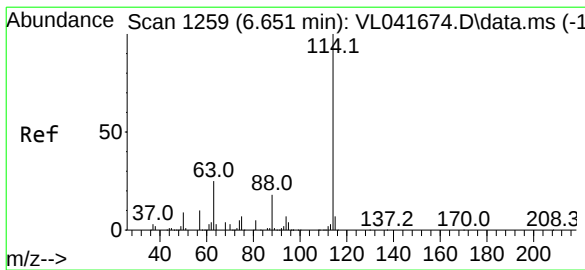
Ion Ratio Lower Upper

96 100

61 194.1 150.7 226.1

98 62.7 49.4 74.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 1216

Delta R.T. 0.019 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

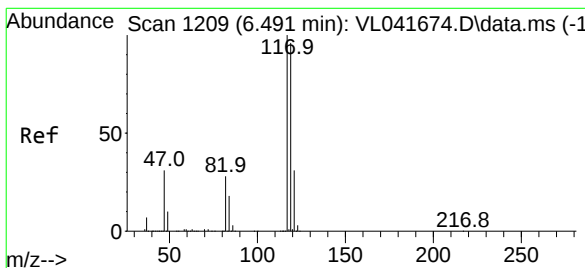
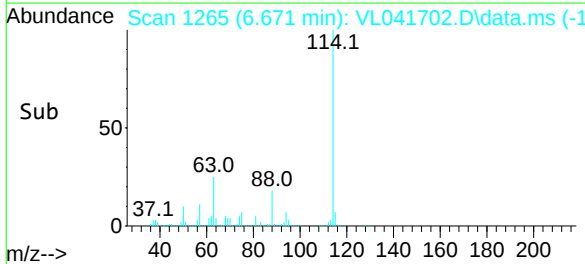
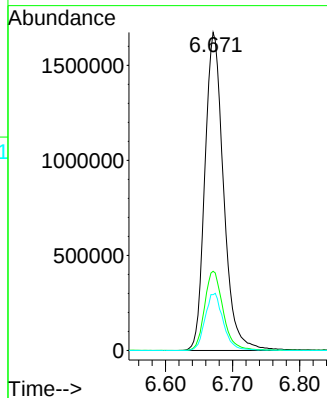
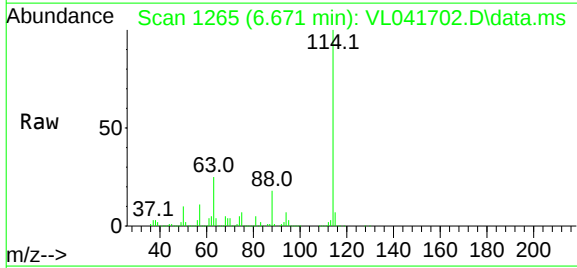
Tgt Ion:114 Resp: 3239599

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.6 14.2 21.4



#35

Carbon Tetrachloride

Concen: 12.521 ppbv

RT: 6.513 min Scan# 1216

Delta R.T. 0.023 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

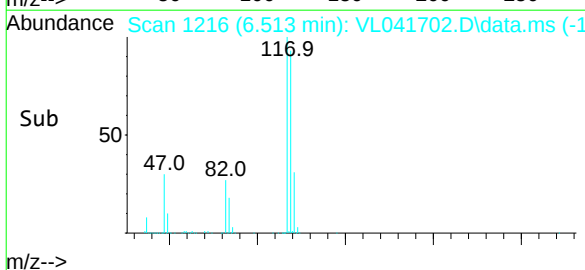
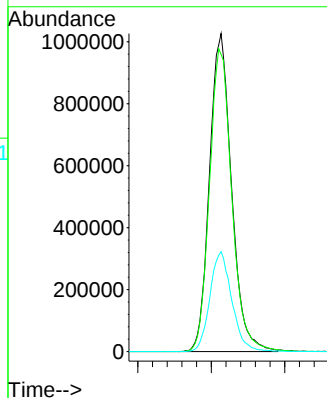
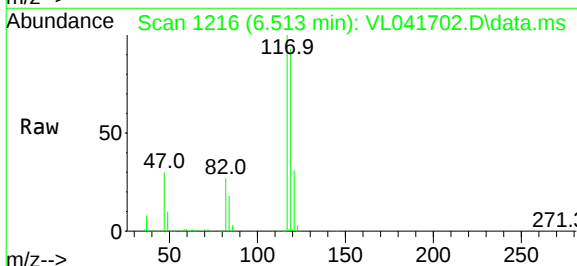
Tgt Ion:117 Resp: 2140108

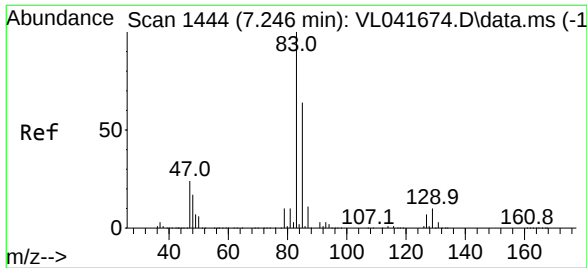
Ion Ratio Lower Upper

117 100

119 93.4 77.2 115.8

121 31.4 25.0 37.4

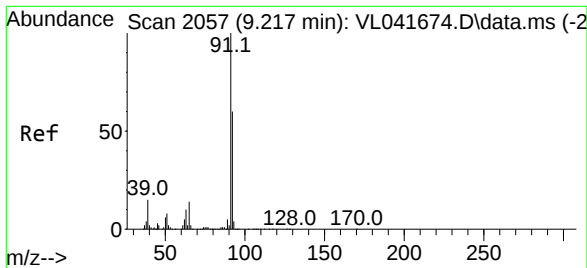
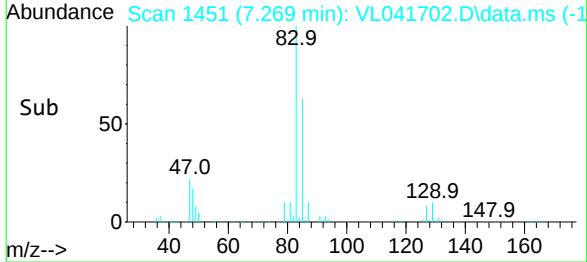
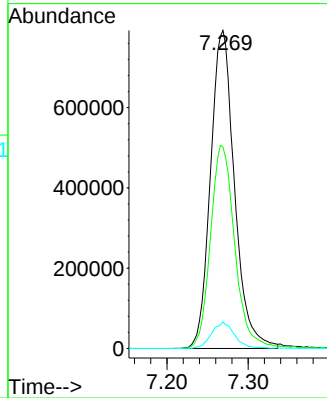
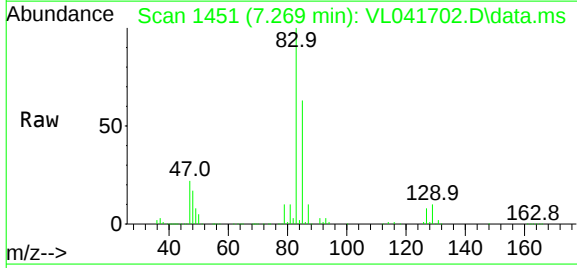




#42
 Bromodichloromethane
 Concen: 8.649 ppbv
 RT: 7.269 min Scan# 14
 Delta R.T. 0.023 min
 Lab File: VL041702.D
 Acq: 20 Nov 2024 16:34

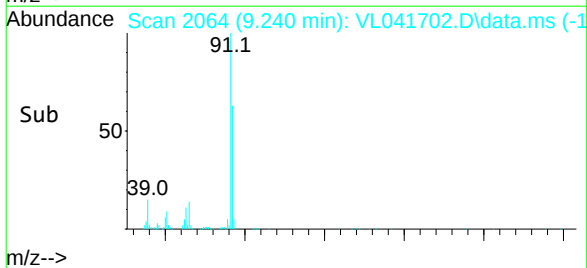
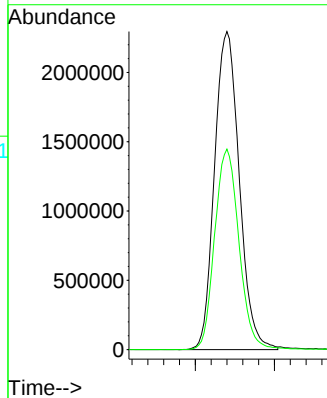
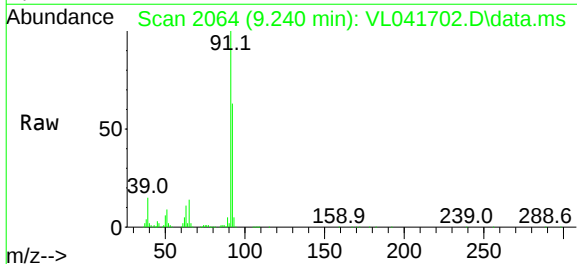
Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

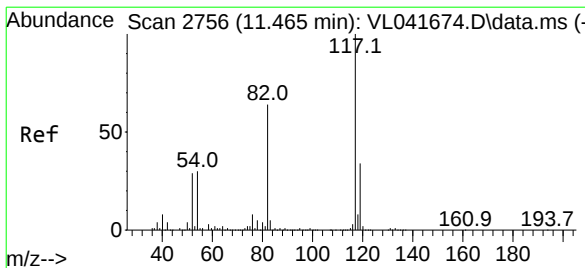
Tgt Ion: 83 Resp: 1627510
 Ion Ratio Lower Upper
 83 100
 85 63.4 51.2 76.8
 127 8.4 6.0 9.0



#53
 Toluene
 Concen: 19.780 ppbv
 RT: 9.240 min Scan# 2064
 Delta R.T. 0.023 min
 Lab File: VL041702.D
 Acq: 20 Nov 2024 16:34

Tgt Ion: 91 Resp: 4992967
 Ion Ratio Lower Upper
 91 100
 92 62.1 49.0 73.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 27

Delta R.T. 0.019 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

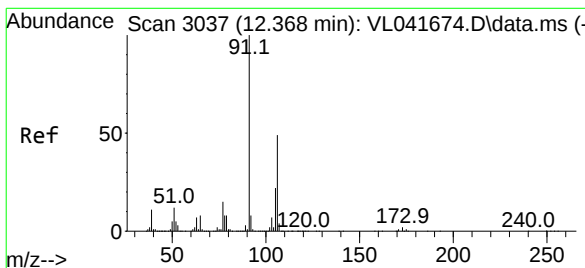
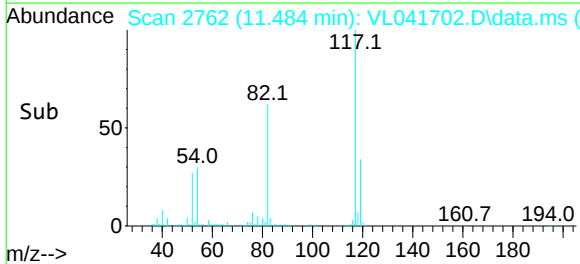
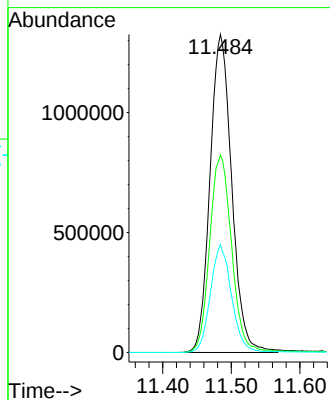
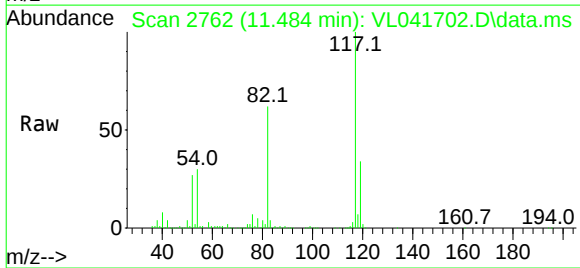
Tgt Ion:117 Resp: 2918692

Ion Ratio Lower Upper

117 100

82 63.1 49.8 74.8

119 33.3 24.2 36.4



#59

m/p-Xylene

Concen: 20.859 ppbv

RT: 12.394 min Scan# 3045

Delta R.T. 0.026 min

Lab File: VL041702.D

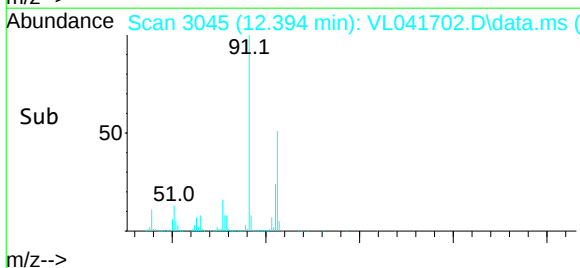
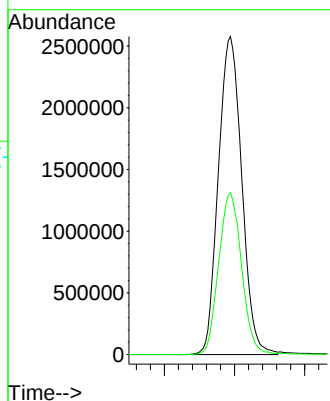
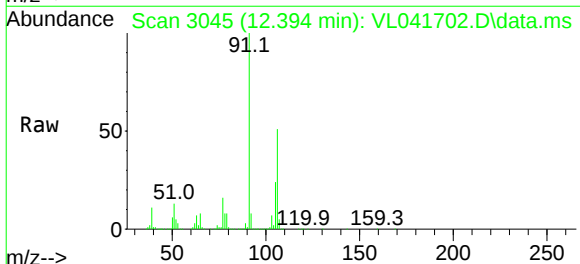
Acq: 20 Nov 2024 16:34

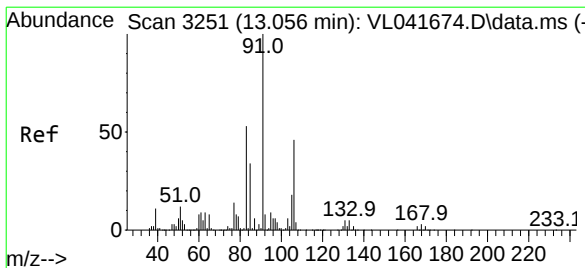
Tgt Ion: 91 Resp: 5976912

Ion Ratio Lower Upper

91 100

106 50.0 36.9 55.3





#60

o-Xylene

Concen: 16.822 ppbv

RT: 13.076 min Scan# 32

Delta R.T. 0.019 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

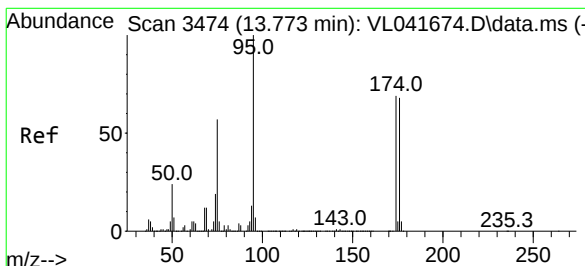
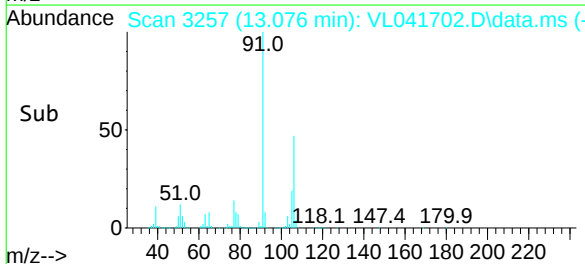
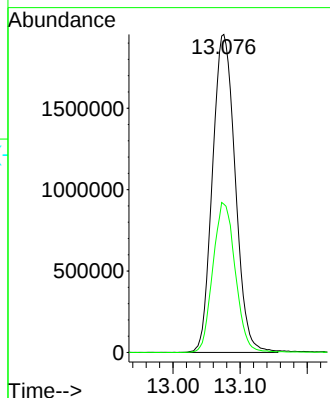
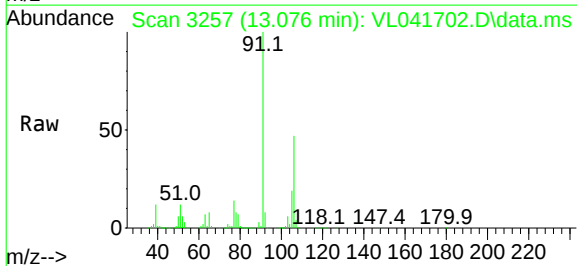
E070-1100

Tgt Ion: 91 Resp: 4596380

Ion Ratio Lower Upper

91 100

106 46.8 23.2 69.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.538 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.019 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

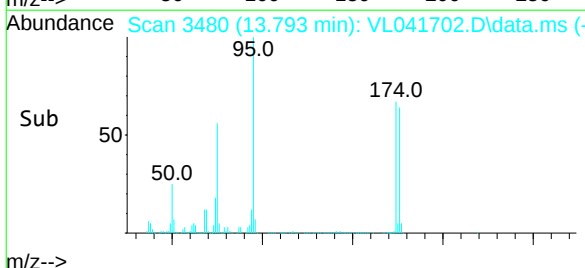
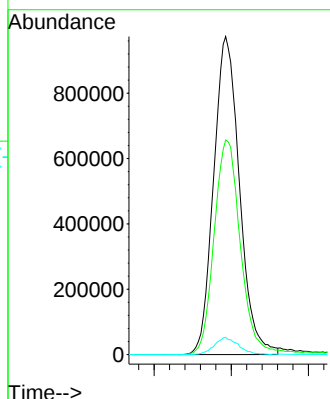
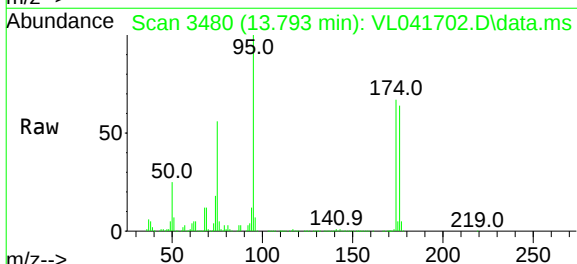
Tgt Ion: 95 Resp: 2266212

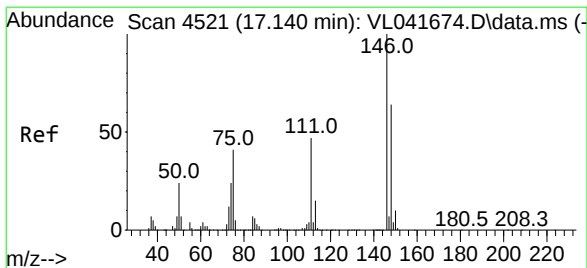
Ion Ratio Lower Upper

95 100

174 69.9 55.6 83.4

175 5.2 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 13.864 ppbv

RT: 17.162 min Scan# 45

Delta R.T. 0.023 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

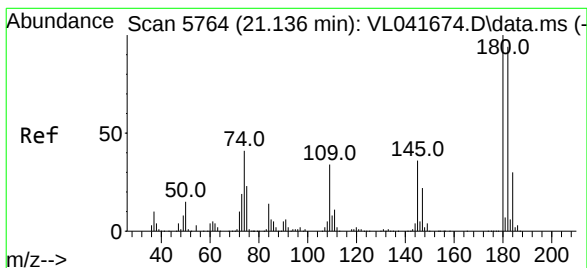
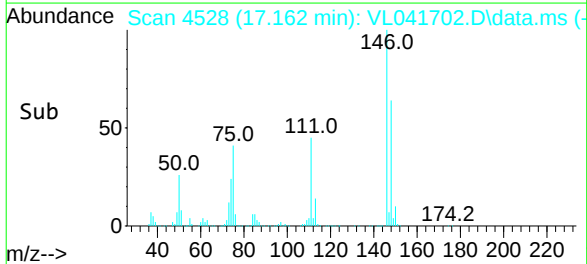
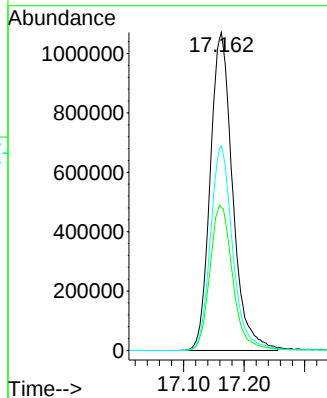
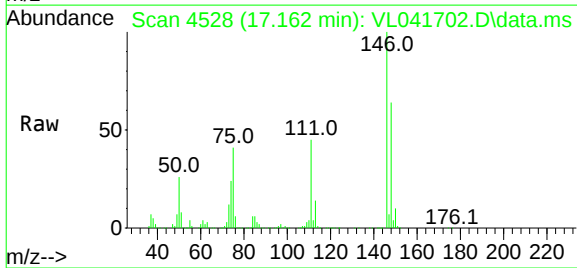
Tgt Ion:146 Resp: 2754177

Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.3

148 64.0 32.1 96.5



#81

1,2,4-Trichlorobenzene

Concen: 9.693 ppbv

RT: 21.165 min Scan# 5773

Delta R.T. 0.029 min

Lab File: VL041702.D

Acq: 20 Nov 2024 16:34

Tgt Ion:180 Resp: 1218241

Ion Ratio Lower Upper

180 100

182 102.1 78.2 117.2

184 32.8 25.0 37.4

