

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041701.D
 Acq On : 20 Nov 2024 15:54
 Operator : SY/MD
 Sample : P4633-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

Quant Time: Nov 21 05:10:48 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)

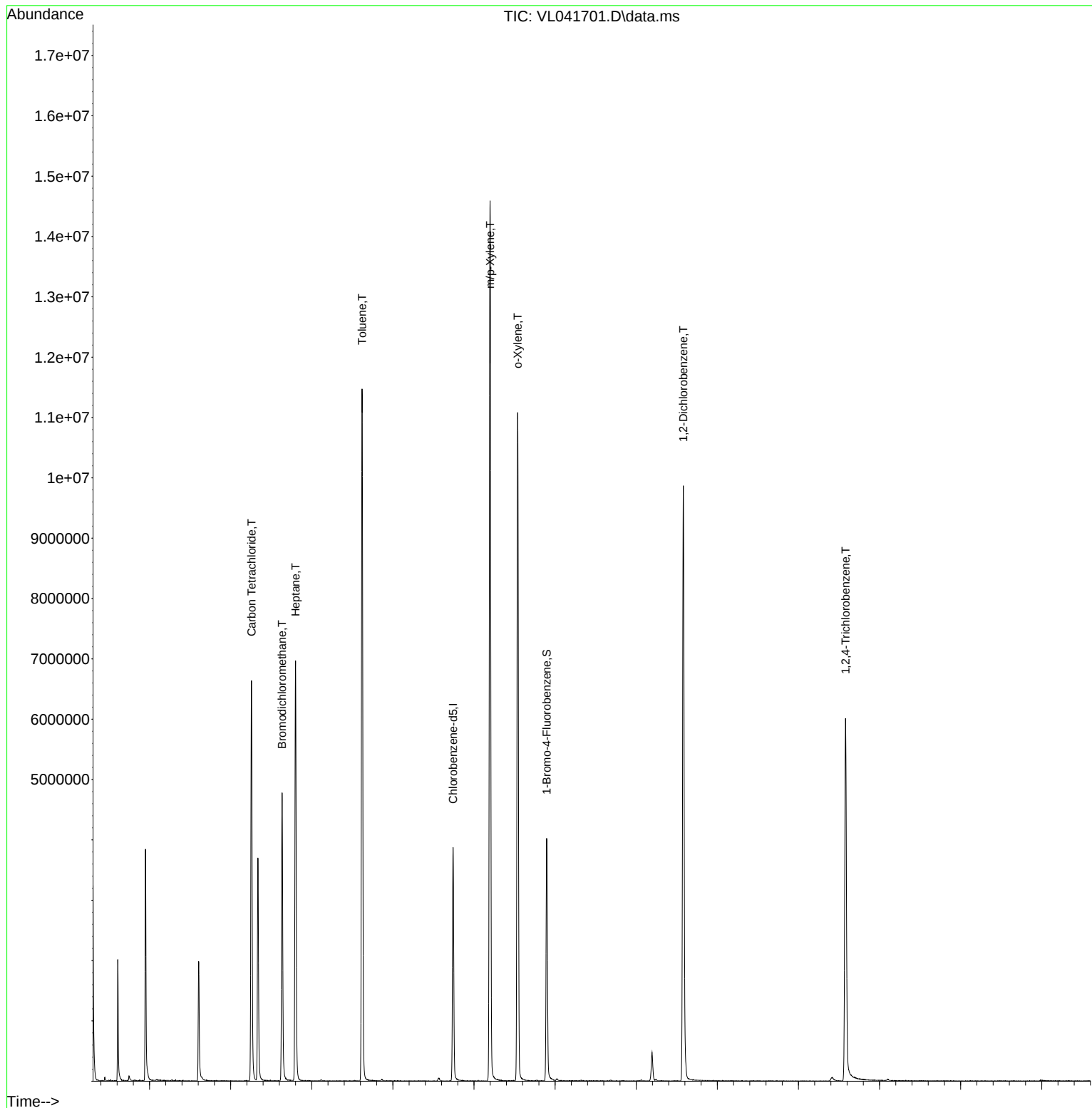
Internal Standards						
1) Bromochloromethane	5.211	49	995553	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	2742439	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2469424	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1923146	10.570	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.700%	
Target Compounds						
					Qvalue	
7) Chloroethane	3.218	64	1298494	57.565	ppbv	99
10) Heptane	7.600	43	3348007	26.435	ppbv	99
18) 1,1-Dichloroethene	3.902	96	1117194	22.360	ppbv	98
35) Carbon Tetrachloride	6.513	117	4228471	29.224	ppbv	99
42) Bromodichloromethane	7.269	83	3336894	20.947	ppbv	100
53) Toluene	9.240	91	9520444	44.554	ppbv	95
59) m/p-Xylene	12.397	91	11129849	45.909	ppbv	90
60) o-Xylene	13.079	91	8888252	38.448	ppbv	97
77) 1,2-Dichlorobenzene	17.162	146	5621685	33.447	ppbv	100
81) 1,2,4-Trichlorobenzene	21.162	180	2922058	27.478	ppbv	98

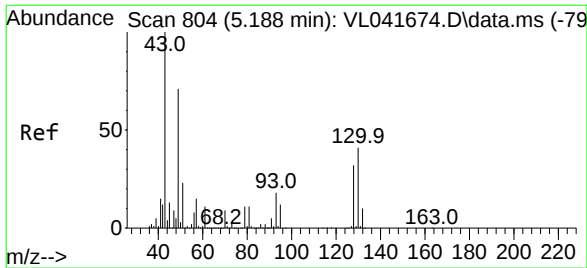
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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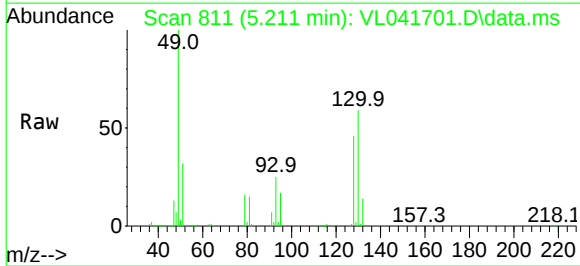
Quant Time: Nov 21 05:10:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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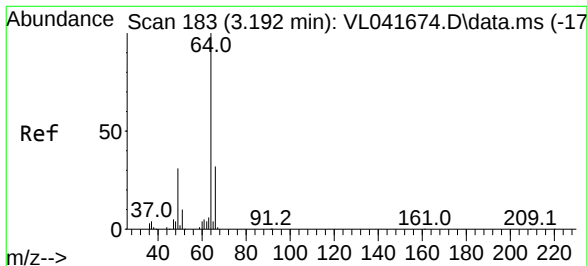
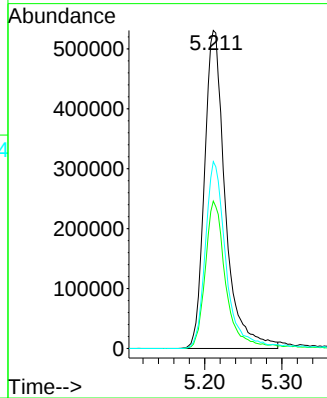
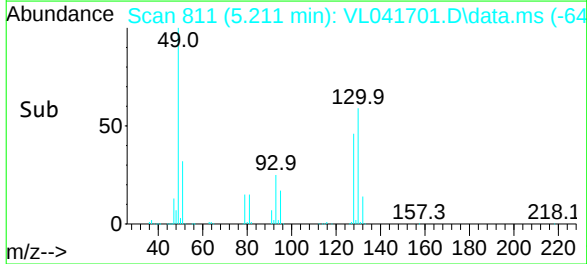


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.023 min
 Lab File: VL041701.D
 Acq: 20 Nov 2024 15:54

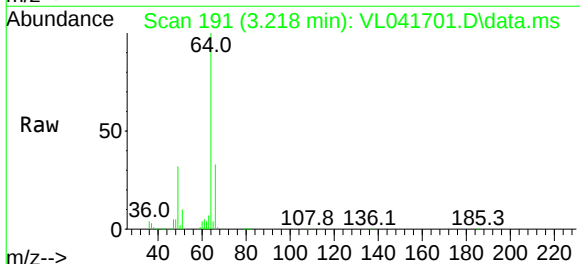
Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100



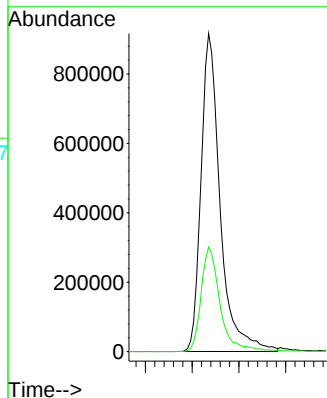
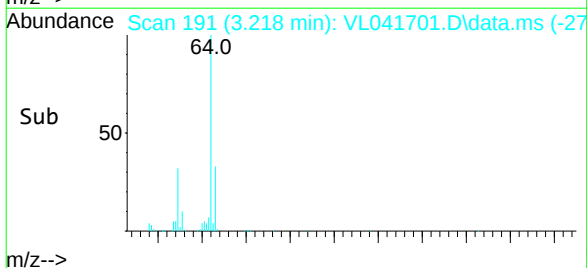
Tgt Ion: 49 Resp: 995553
 Ion Ratio Lower Upper
 49 100
 128 46.5 23.8 71.2
 130 60.1 30.1 90.5

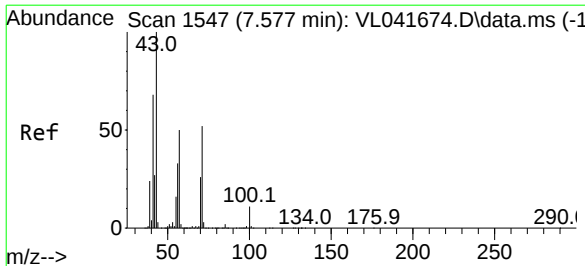


#7
 Chloroethane
 Concen: 57.565 ppbv
 RT: 3.218 min Scan# 191
 Delta R.T. 0.026 min
 Lab File: VL041701.D
 Acq: 20 Nov 2024 15:54



Tgt Ion: 64 Resp: 1298494
 Ion Ratio Lower Upper
 64 100
 66 32.9 25.9 38.9

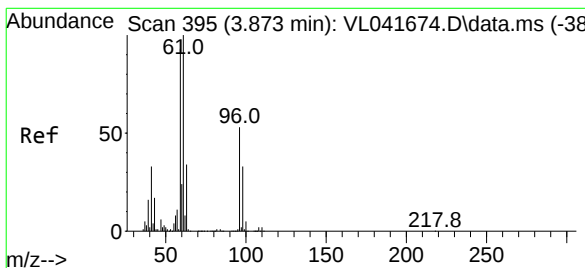
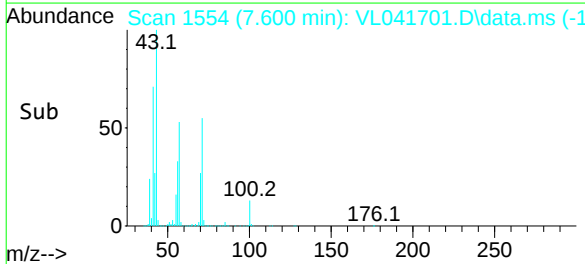
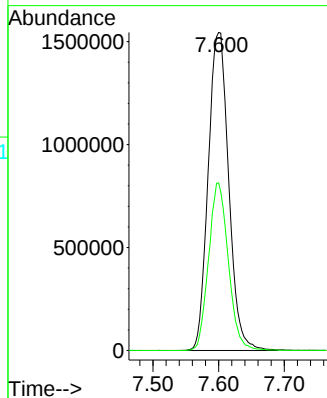
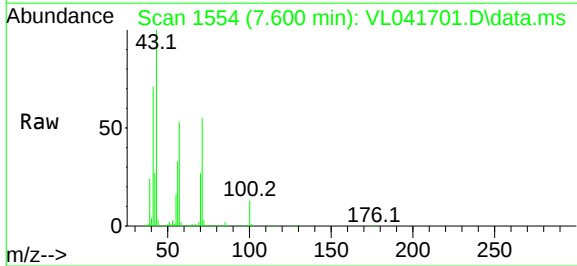




#10
Heptane
Concen: 26.435 ppbv
RT: 7.600 min Scan# 15
Delta R.T. 0.023 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

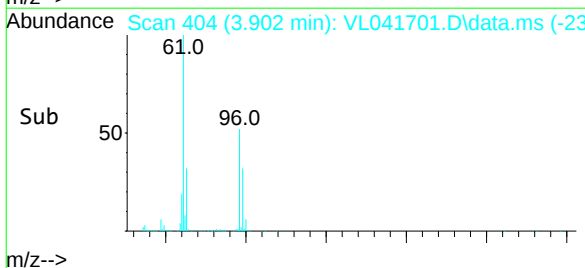
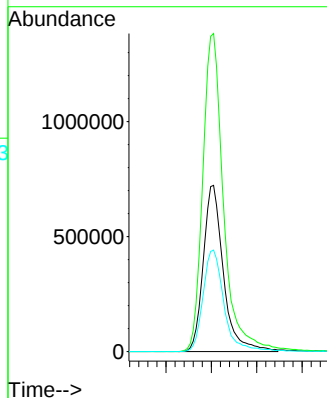
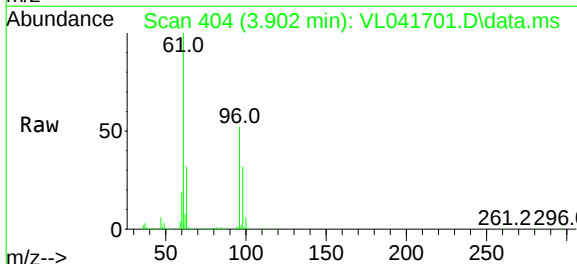
Instrument :
MSVOA_L
ClientSampleId :
E070-1100

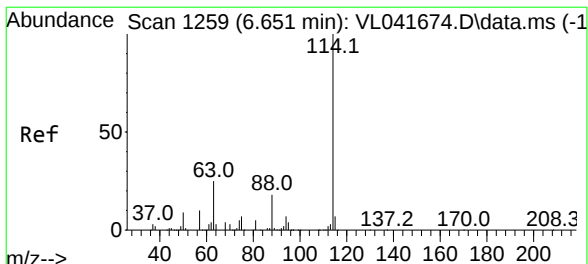
Tgt Ion: 43 Resp: 3348007
Ion Ratio Lower Upper
43 100
57 50.8 40.0 60.0



#18
1,1-Dichloroethene
Concen: 22.360 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.029 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

Tgt Ion: 96 Resp: 1117194
Ion Ratio Lower Upper
96 100
61 191.4 150.7 226.1
98 61.0 49.4 74.2



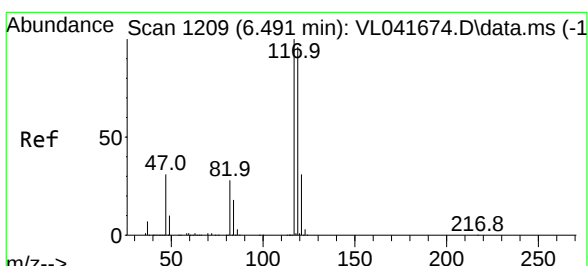
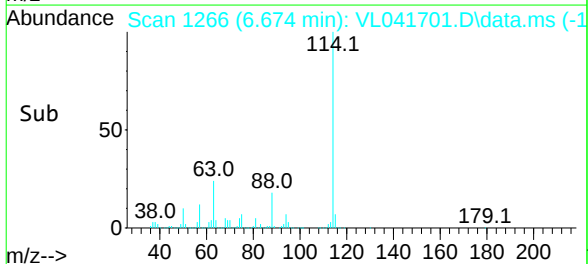
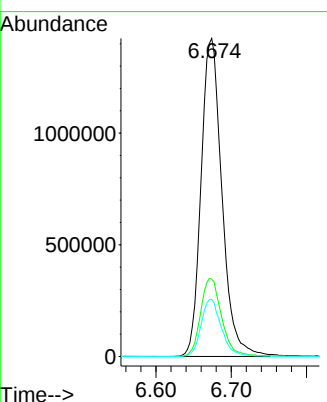
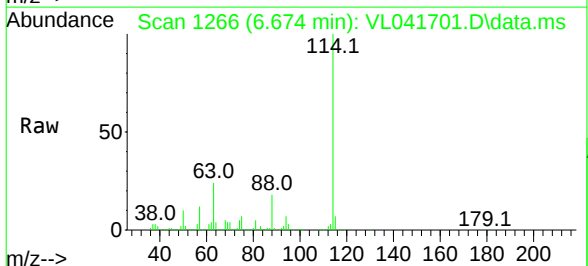


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.674 min Scan# 1216
 Delta R.T. 0.023 min
 Lab File: VL041701.D
 Acq: 20 Nov 2024 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

Tgt Ion:114 Resp: 2742439

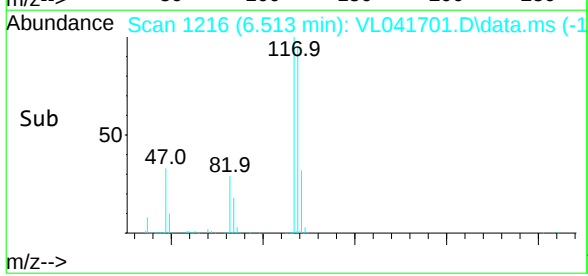
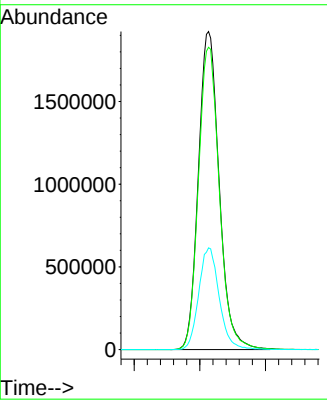
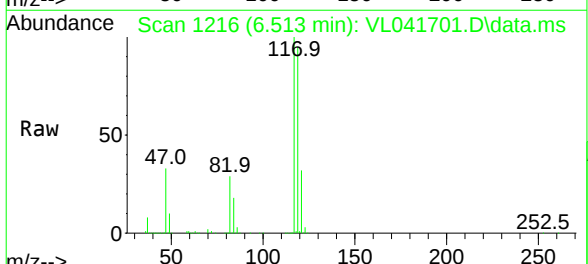
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.3	30.5
88	17.6	14.2	21.4

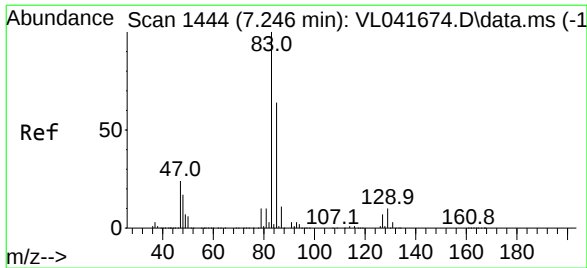


#35
 Carbon Tetrachloride
 Concen: 29.224 ppbv
 RT: 6.513 min Scan# 1216
 Delta R.T. 0.023 min
 Lab File: VL041701.D
 Acq: 20 Nov 2024 15:54

Tgt Ion:117 Resp: 4228471

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	32.0	25.0	37.4

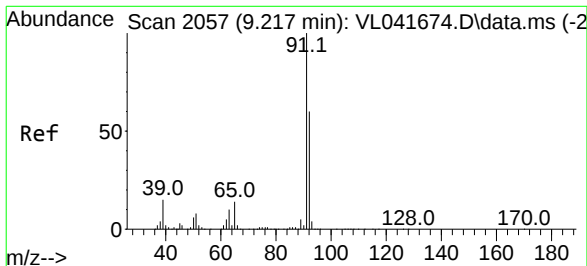
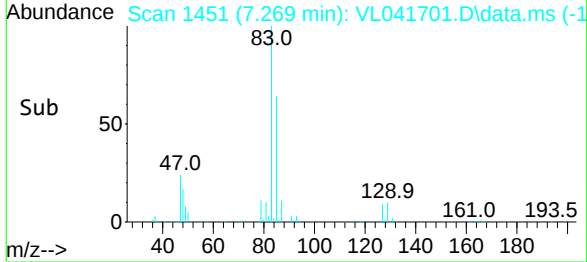
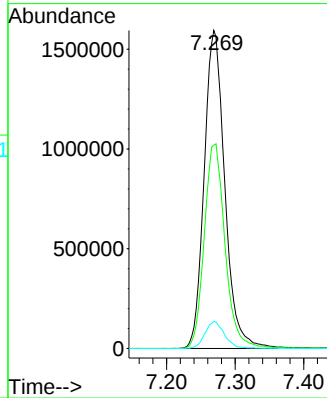
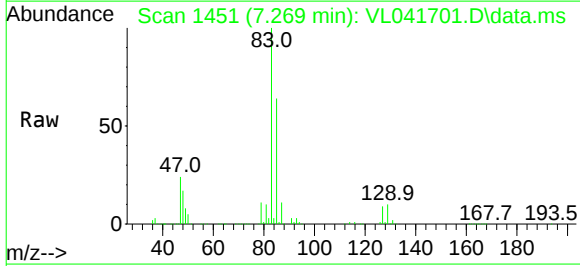




#42
Bromodichloromethane
Concen: 20.947 ppbv
RT: 7.269 min Scan# 14
Delta R.T. 0.023 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

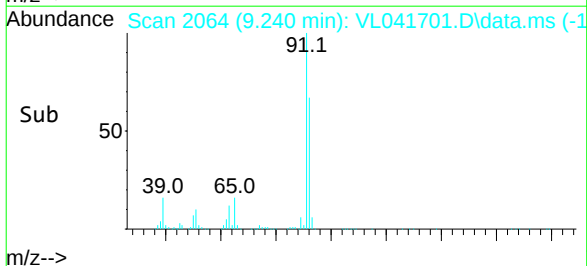
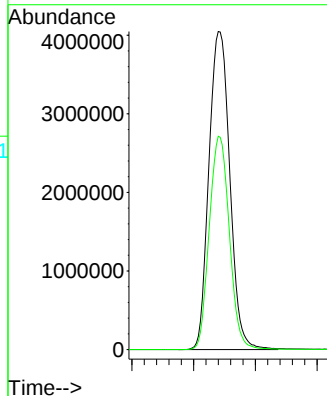
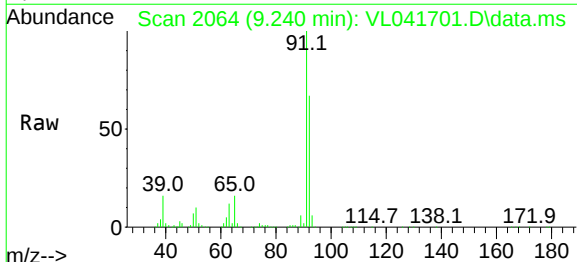
Instrument :
MSVOA_L
ClientSampleId :
E070-1100

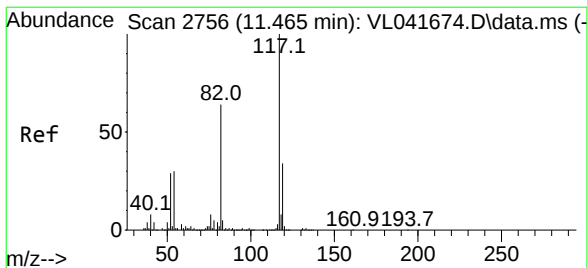
Tgt Ion: 83 Resp: 3336894
Ion Ratio Lower Upper
83 100
85 63.9 51.2 76.8
127 8.5 6.0 9.0



#53
Toluene
Concen: 44.554 ppbv
RT: 9.240 min Scan# 2064
Delta R.T. 0.023 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

Tgt Ion: 91 Resp: 9520444
Ion Ratio Lower Upper
91 100
92 64.8 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: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

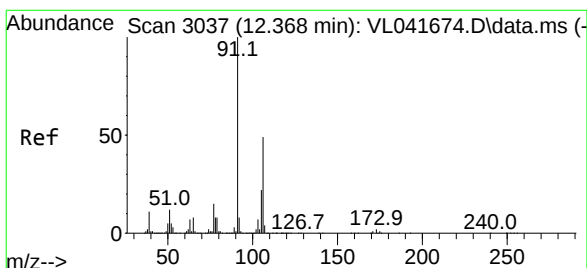
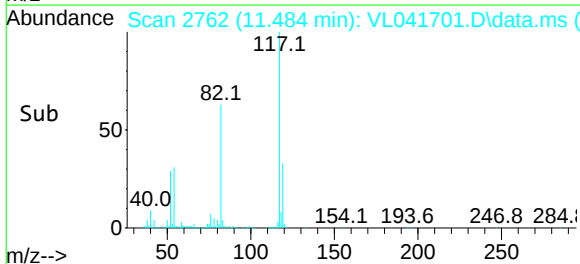
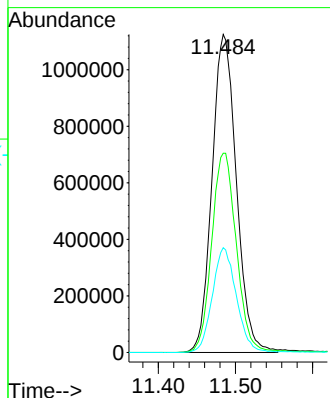
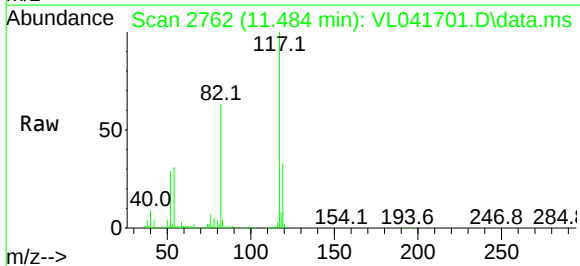
Tgt Ion:117 Resp: 2469424

Ion Ratio Lower Upper

117 100

82 63.8 49.8 74.8

119 32.7 24.2 36.4



#59

m/p-Xylene

Concen: 45.909 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. 0.029 min

Lab File: VL041701.D

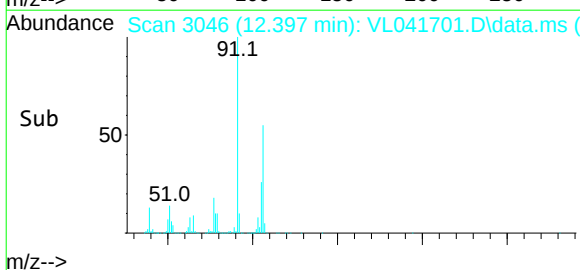
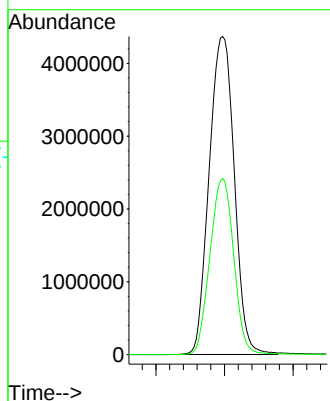
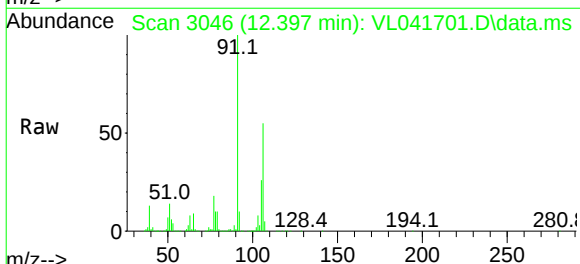
Acq: 20 Nov 2024 15:54

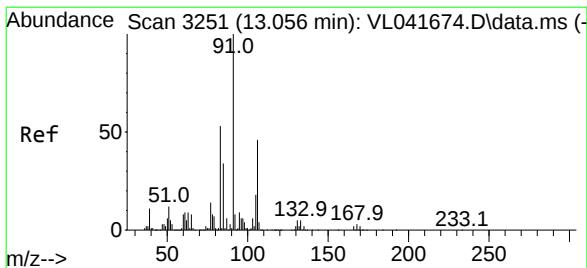
Tgt Ion: 91 Resp:11129849

Ion Ratio Lower Upper

91 100

106 52.6 36.9 55.3





#60

o-Xylene

Concen: 38.448 ppbv

RT: 13.079 min Scan# 32

Delta R.T. 0.023 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

MSVOA_L

ClientSampleId :

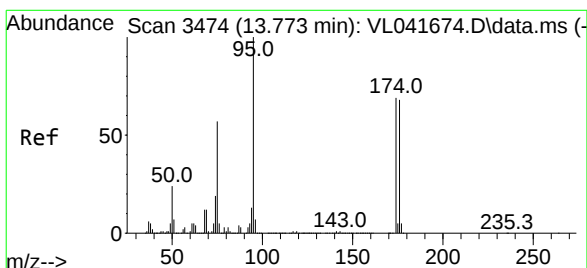
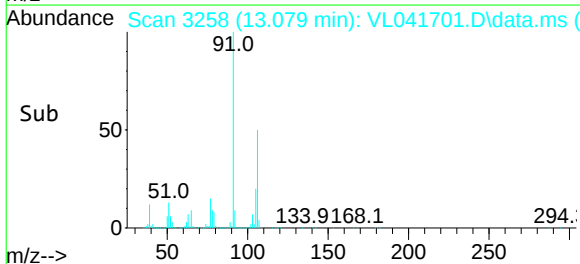
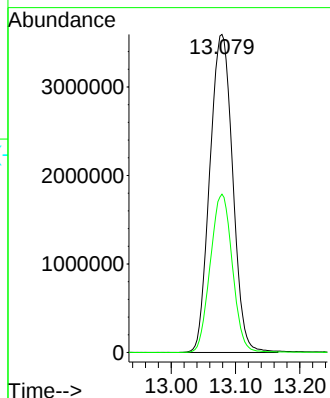
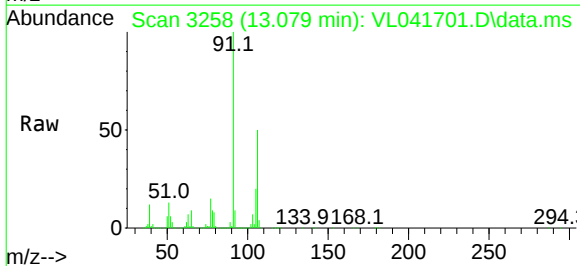
E070-1100

Tgt Ion: 91 Resp: 8888252

Ion Ratio Lower Upper

91 100

106 48.2 23.2 69.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.570 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.019 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

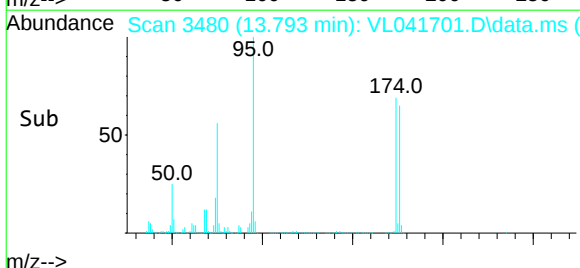
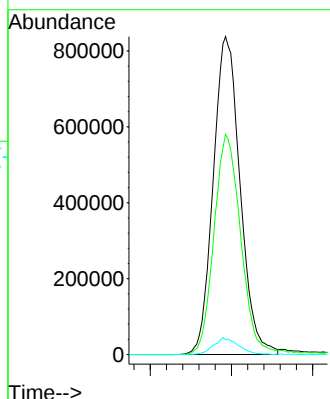
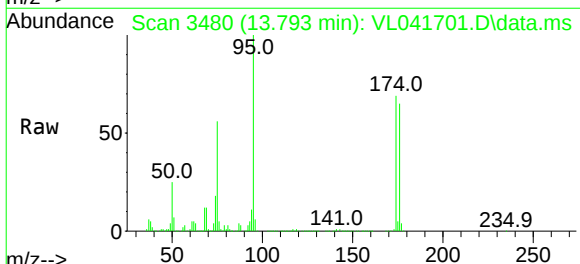
Tgt Ion: 95 Resp: 1923146

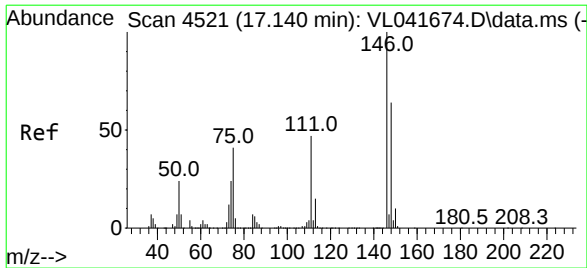
Ion Ratio Lower Upper

95 100

174 70.2 55.6 83.4

175 5.1 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 33.447 ppbv

RT: 17.162 min Scan# 45

Delta R.T. 0.023 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

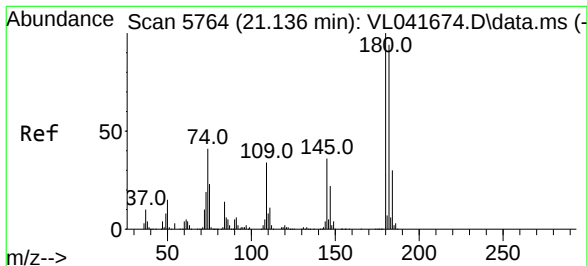
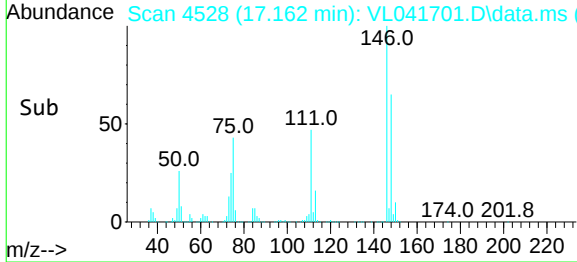
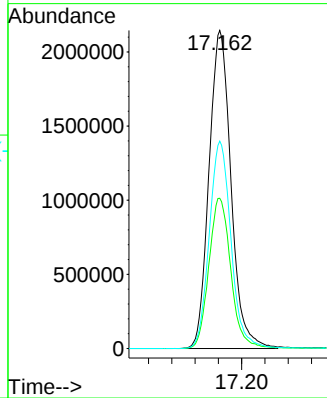
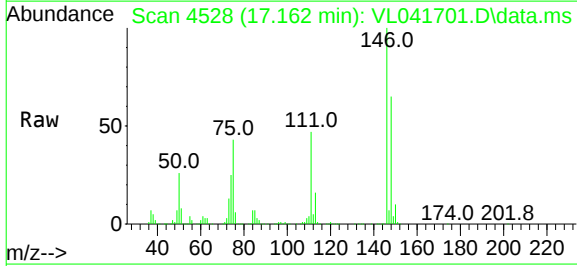
Tgt Ion:146 Resp: 5621685

Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.3

148 64.5 32.1 96.5



#81

1,2,4-Trichlorobenzene

Concen: 27.478 ppbv

RT: 21.162 min Scan# 5772

Delta R.T. 0.026 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Tgt Ion:180 Resp: 2922058

Ion Ratio Lower Upper

180 100

182 99.9 78.2 117.2

184 31.8 25.0 37.4

