

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
 Data File : VU061096.D
 Acq On : 10 Oct 2024 18:00
 Operator : MD/SY
 Sample : P4380-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 06:51:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.251	114	164225	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	154129	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	77702	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	41091	3.500	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.911	69	35787	4.072	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.554	65	19317	3.730	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	4.718	46	112704	40.073	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.140%
24) Chloroform-d	5.065	84	87591	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.711	65	46926	4.278	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.730	84	172807	4.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.695	67	59412	4.452	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.894	98	156135	4.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.177	79	22272	3.903	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.637	63	103687	43.898	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.800%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	43276	4.422	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.184	152	55969	4.505	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.512	50	1292	0.112	ug/L	91
8) Chloroethane	1.943	64	34871	4.954	ug/L #	52
14) Carbon disulfide	2.776	76	16838	0.522	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	14086	1.217	ug/L	94
30) Cyclohexane	5.386	56	2320	0.117	ug/L	87
33) Benzene	5.779	78	108995	2.399	ug/L	100
35) Methylcyclohexane	6.759	83	3620	0.182	ug/L #	78
37) 1,2-Dichloropropane	6.692	63	6297	0.526	ug/L #	93
42) Toluene	7.965	91	289258	5.976	ug/L	98
47) Tetrachloroethene	8.550	164	10806	1.348	ug/L	96
49) Dibromochloromethane	8.550	129	10999	1.191	ug/L #	9
52) Ethylbenzene	9.563	91	67758	1.235	ug/L	96
53) m,p-Xylene	9.685	106	94664	4.731	ug/L	94
54) o-Xylene	10.094	106	66830	3.395	ug/L	91
55) Styrene	10.110	104	14025	0.441	ug/L #	66
60) Isopropylbenzene	10.991	105	74179	1.427	ug/L	94
61) 1,2,3-Trichloropropane	11.081	75	1016	0.133	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.081	105	88640	1.935	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	181592	3.928	ug/L	95

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QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

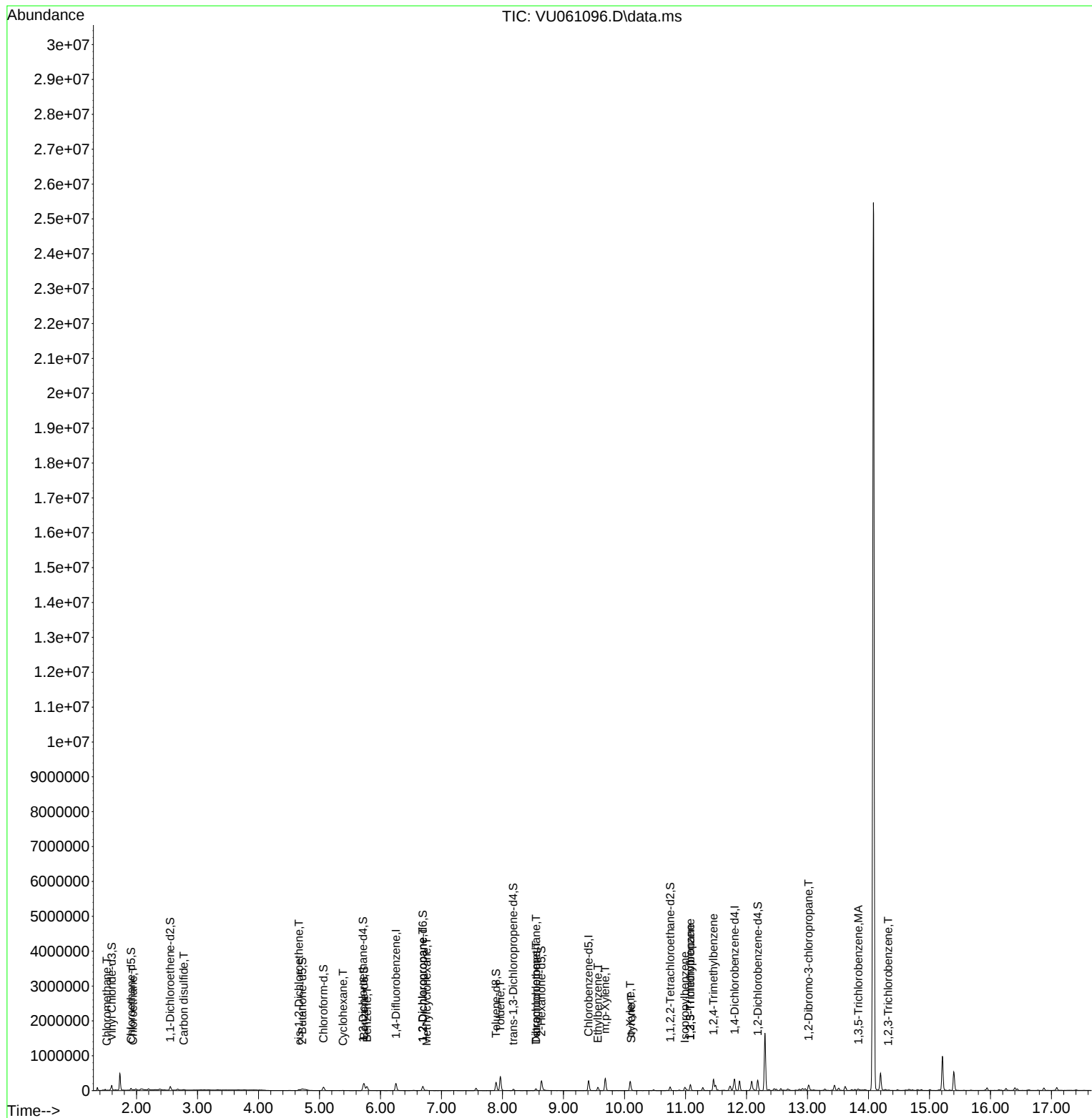
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	13.016	75	2332	1.401	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.836	180	2483	0.158	ug/L #	80
72) 1,2,3-Trichlorobenzene	14.322	180	1661	0.166	ug/L #	49

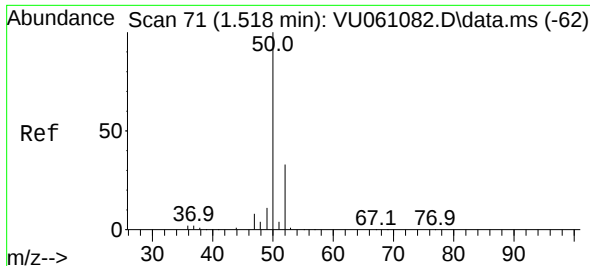
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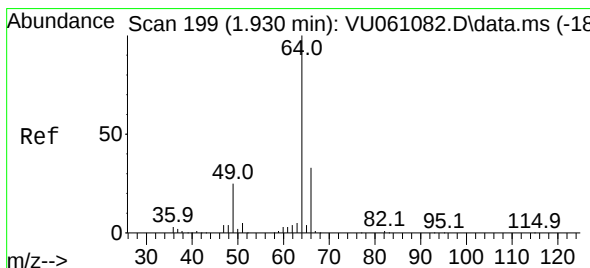
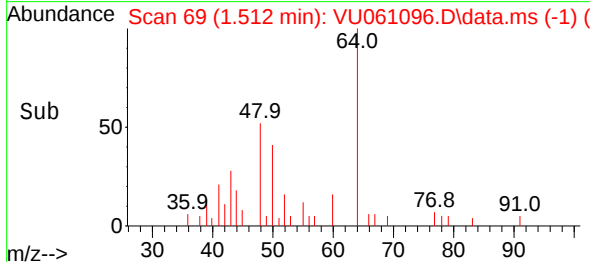
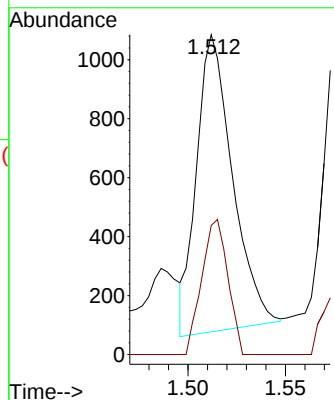
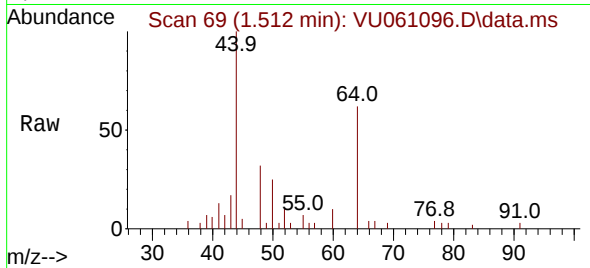




#3
Chloromethane
Concen: 0.112 ug/L
RT: 1.512 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

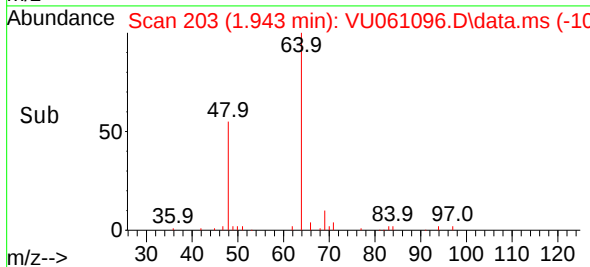
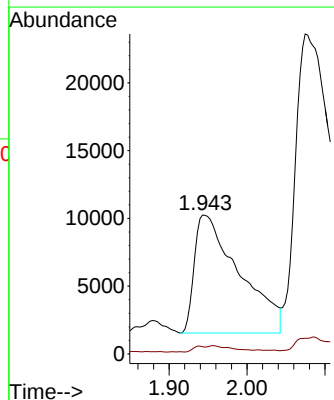
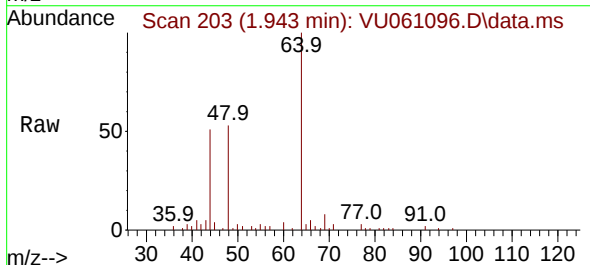
Instrument :
MSVOA_U
ClientSampleId :

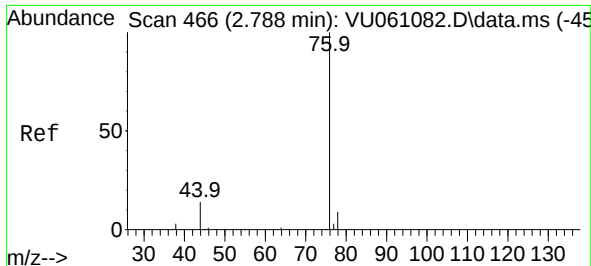
Tgt Ion: 50 Resp: 1292
Ion Ratio Lower Upper
50 100
52 40.4 24.4 45.4



#8
Chloroethane
Concen: 4.954 ug/L
RT: 1.943 min Scan# 203
Delta R.T. 0.013 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

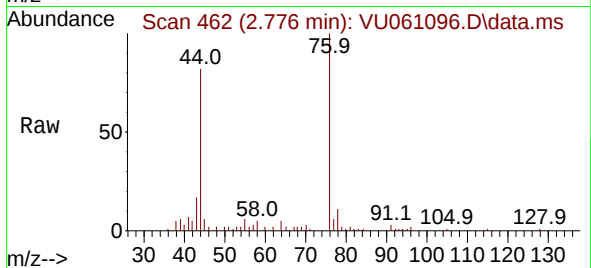
Tgt Ion: 64 Resp: 34871
Ion Ratio Lower Upper
64 100
66 5.2 22.3 41.3#



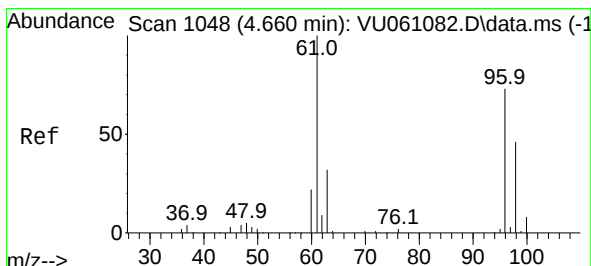
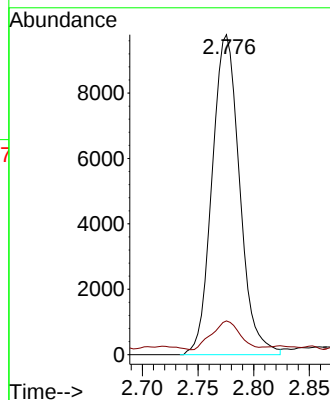
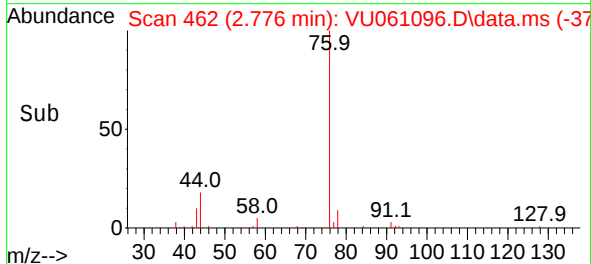


#14
Carbon disulfide
Concen: 0.522 ug/L
RT: 2.776 min Scan# 40
Delta R.T. -0.013 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

Instrument :
MSVOA_U
ClientSampleId :

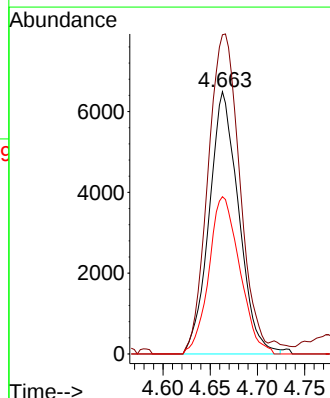
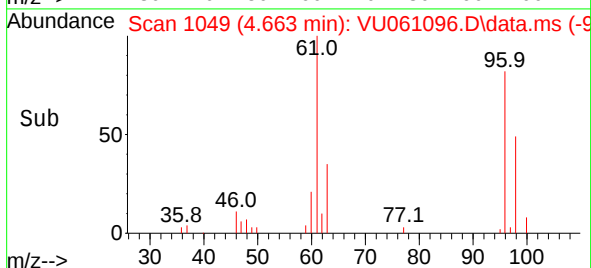
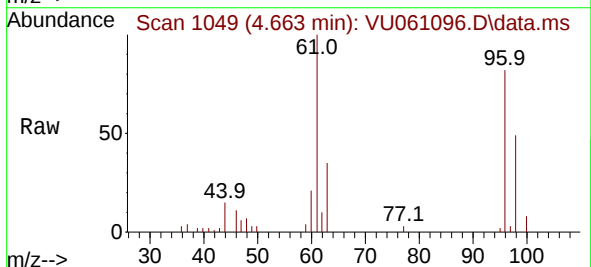


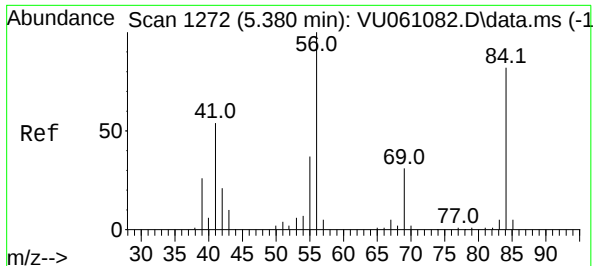
Tgt Ion: 76 Resp: 16838
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7



#22
cis-1,2-Dichloroethene
Concen: 1.217 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

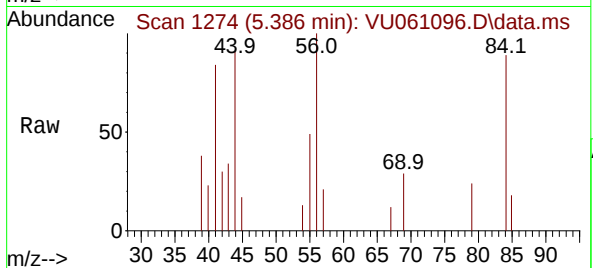
Tgt Ion: 96 Resp: 14086
Ion Ratio Lower Upper
96 100
61 121.7 89.7 166.5
98 59.9 45.1 83.9



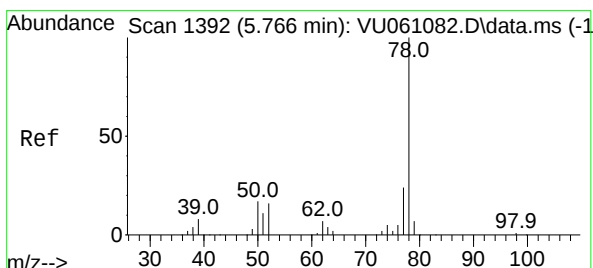
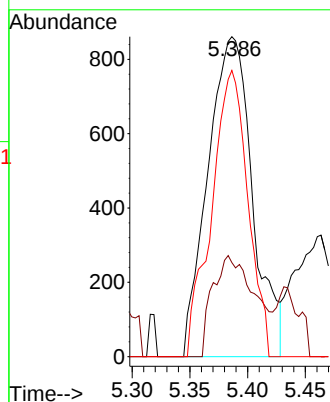
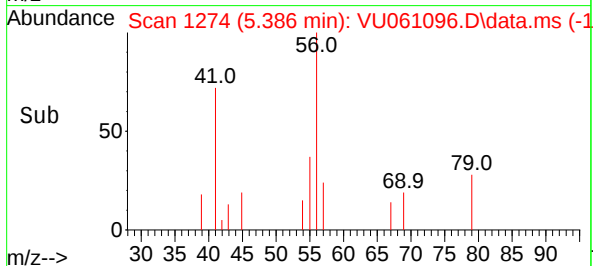


#30
Cyclohexane
Concen: 0.117 ug/L
RT: 5.386 min Scan# 1272
Delta R.T. 0.007 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

Instrument :
MSVOA_U
ClientSampleId :

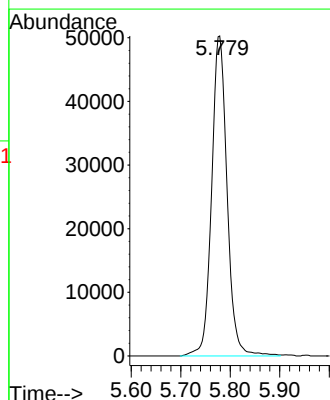
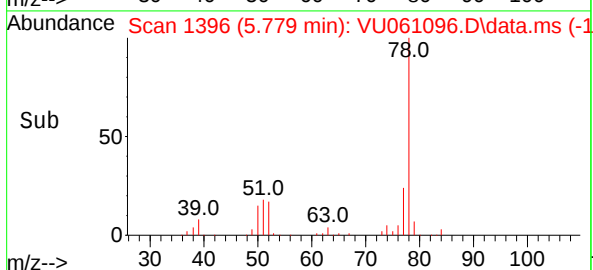
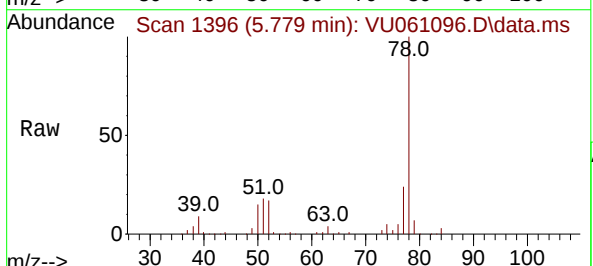


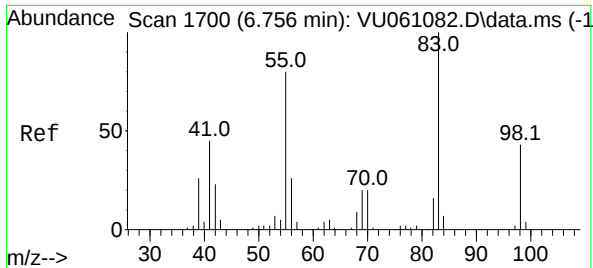
Tgt Ion: 56 Resp: 2320
Ion Ratio Lower Upper
56 100
69 30.3 25.4 38.0
84 72.6 71.0 106.6



#33
Benzene
Concen: 2.399 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. 0.013 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

Tgt Ion: 78 Resp: 108995

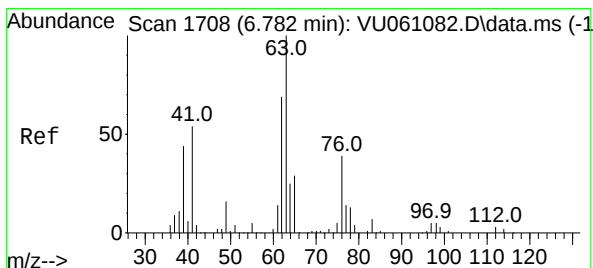
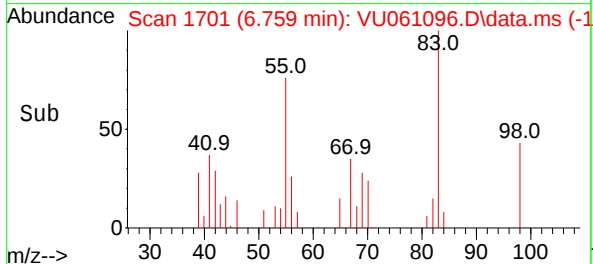
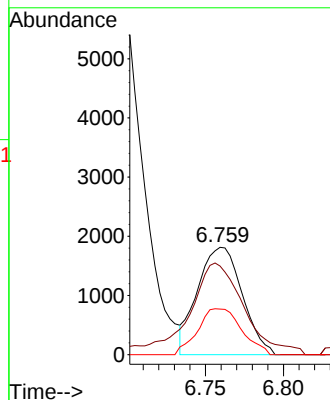
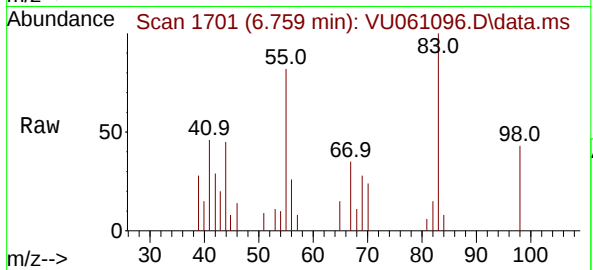




#35
Methylcyclohexane
Concen: 0.182 ug/L
RT: 6.759 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

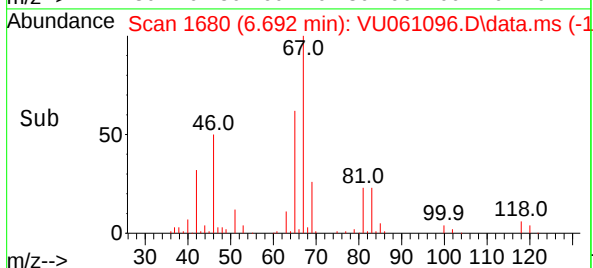
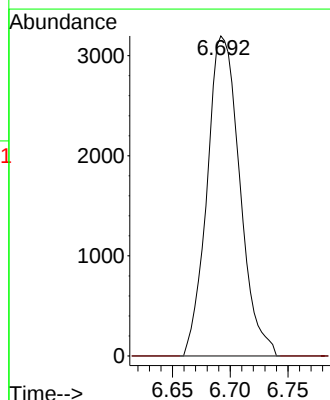
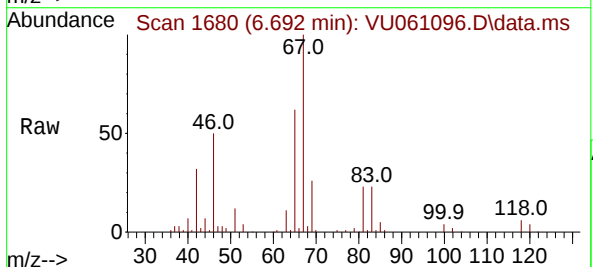
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MSVOA_U
ClientSampleId :

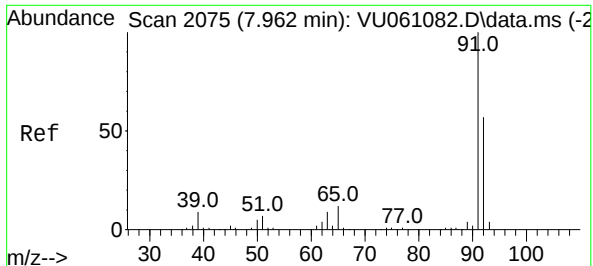
Tgt Ion: 83 Resp: 3620
Ion Ratio Lower Upper
83 100
55 105.6 62.6 94.0#
98 41.8 37.6 56.4



#37
1,2-Dichloropropane
Concen: 0.526 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.090 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

Tgt Ion: 63 Resp: 6297
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 5.976 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Instrument :

MSVOA_U

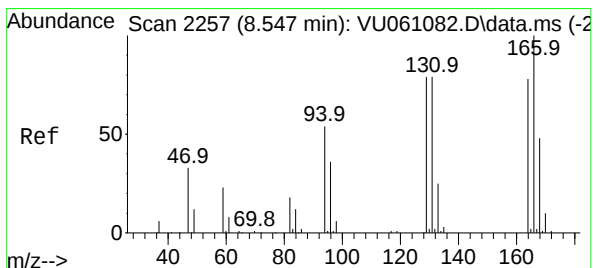
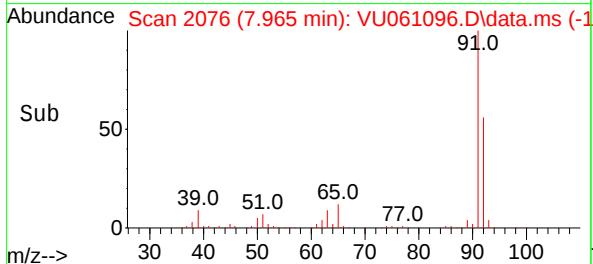
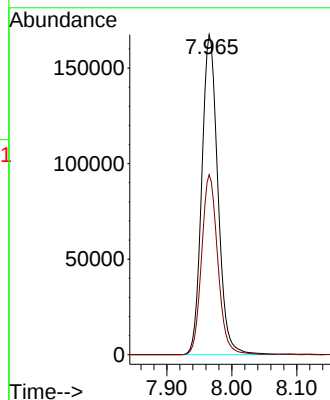
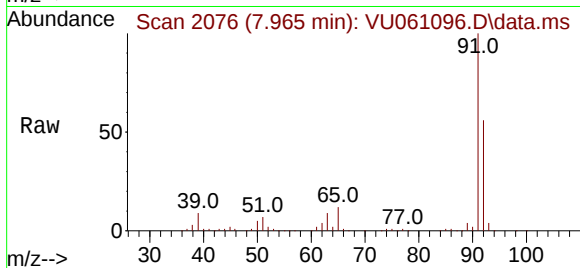
ClientSampleId :

Tgt Ion: 91 Resp: 289258

Ion Ratio Lower Upper

91 100

92 56.2 40.5 75.3



#47

Tetrachloroethene

Concen: 1.348 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Tgt Ion: 164 Resp: 10806

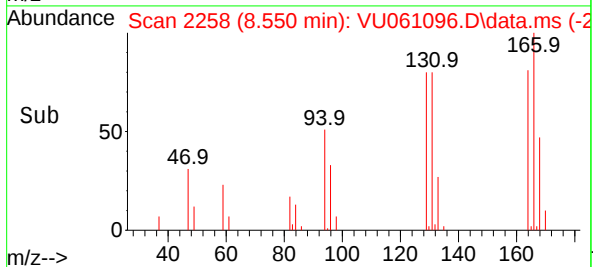
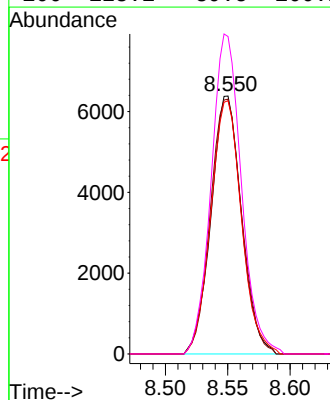
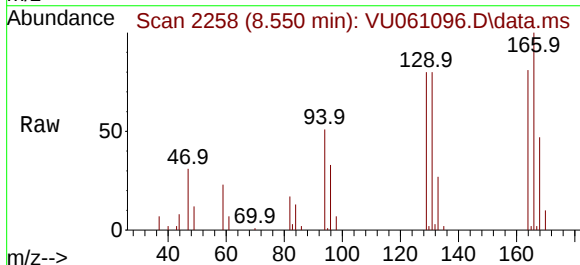
Ion Ratio Lower Upper

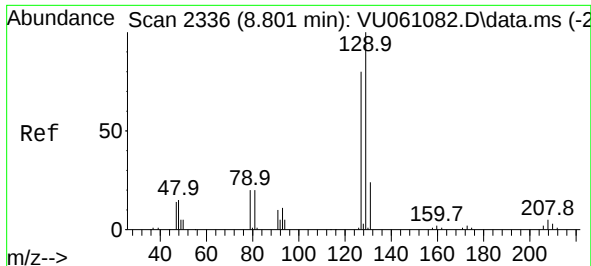
164 100

129 98.8 67.3 124.9

131 98.2 65.4 121.4

166 123.1 89.5 166.1





#49

Dibromochloromethane

Concen: 1.191 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Instrument :

MSVOA_U

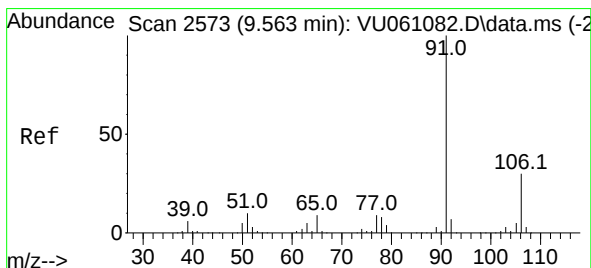
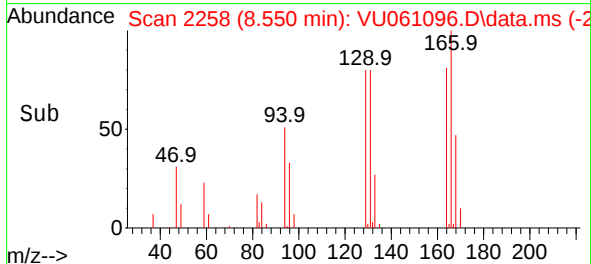
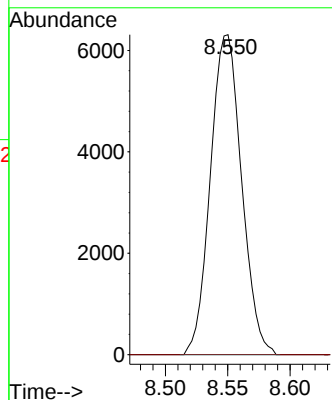
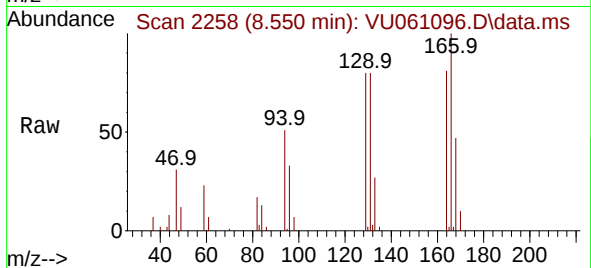
ClientSampleId :

Tgt Ion:129 Resp: 10999

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#52

Ethylbenzene

Concen: 1.235 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU061096.D

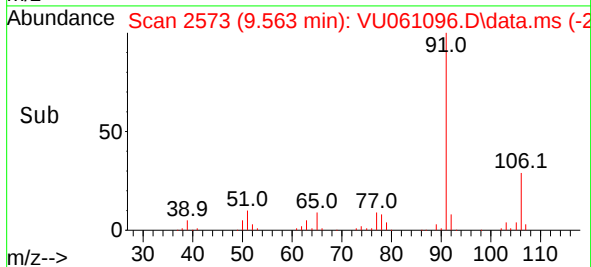
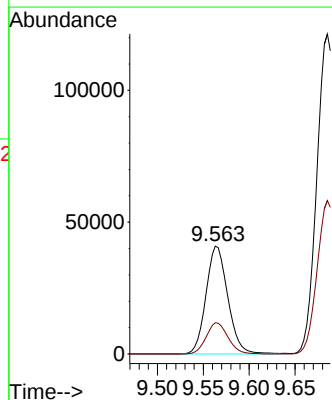
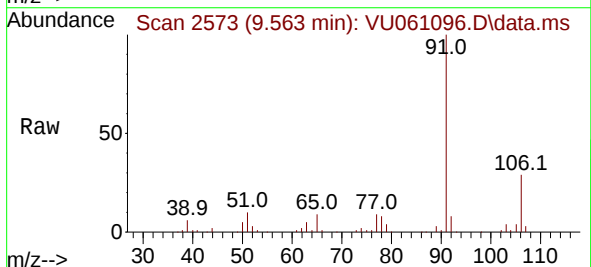
Acq: 10 Oct 2024 18:00

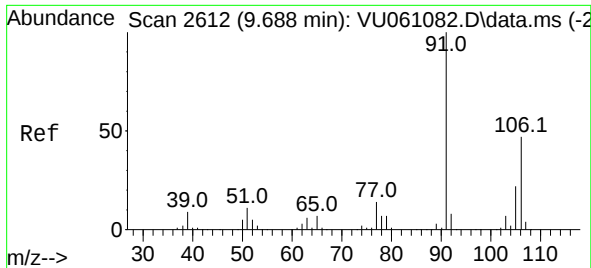
Tgt Ion: 91 Resp: 67758

Ion Ratio Lower Upper

91 100

106 28.9 21.8 40.6

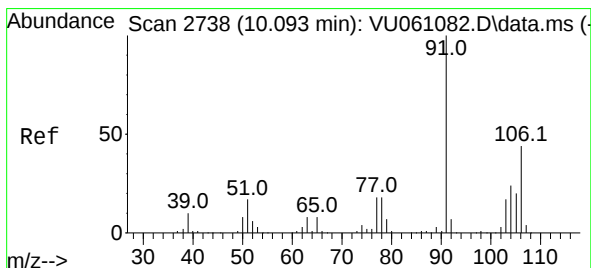
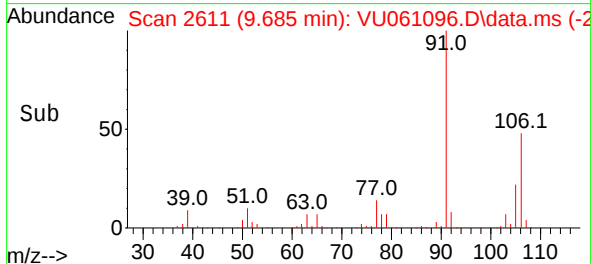
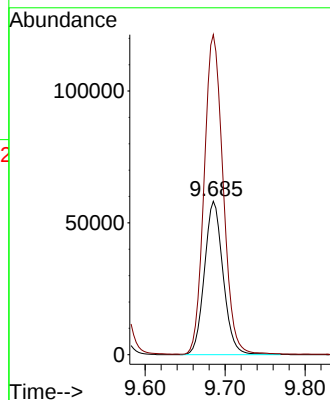
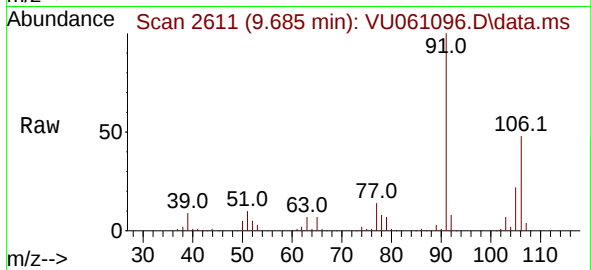




#53
m,p-Xylene
Concen: 4.731 ug/L
RT: 9.685 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

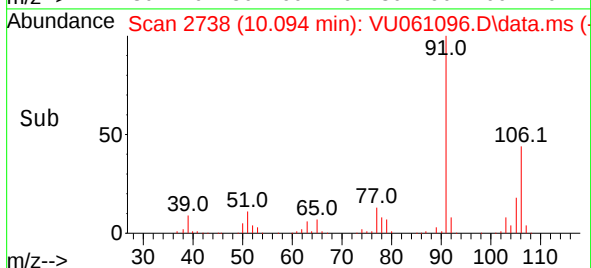
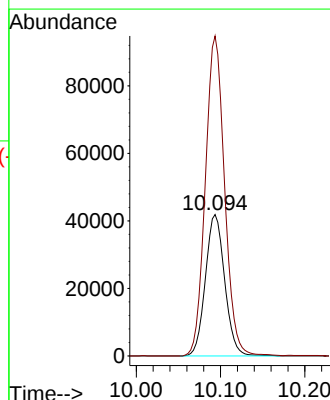
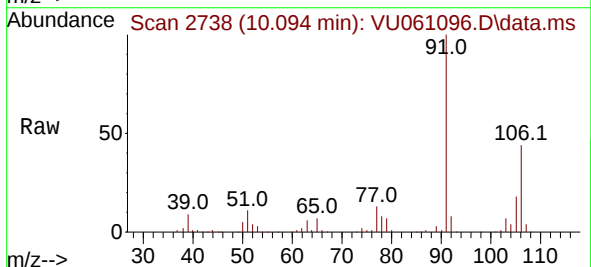
Instrument :
MSVOA_U
ClientSampleId :

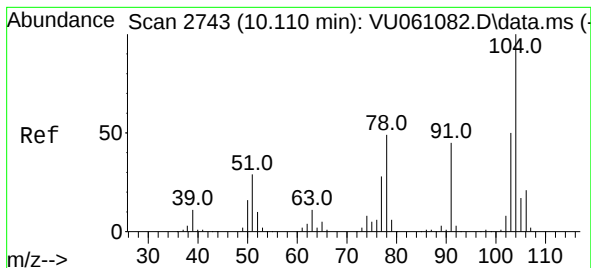
Tgt Ion:106 Resp: 94664
Ion Ratio Lower Upper
106 100
91 208.4 139.7 259.4



#54
o-Xylene
Concen: 3.395 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU061096.D
Acq: 10 Oct 2024 18:00

Tgt Ion:106 Resp: 66830
Ion Ratio Lower Upper
106 100
91 226.1 148.6 276.0





#55

Styrene

Concen: 0.441 ug/L

RT: 10.110 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Instrument :

MSVOA_U

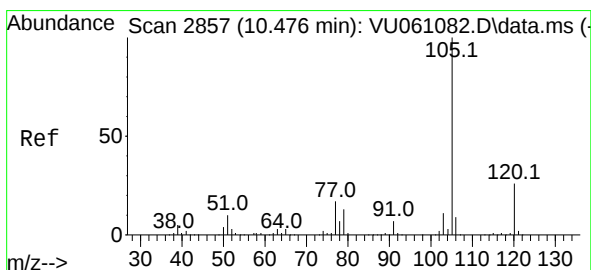
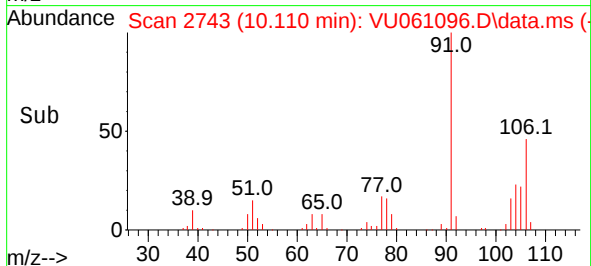
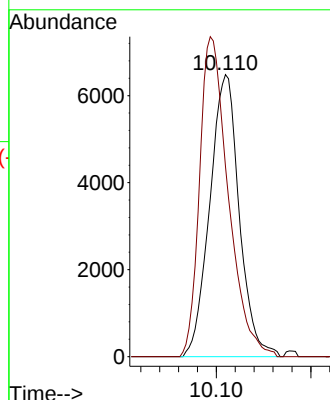
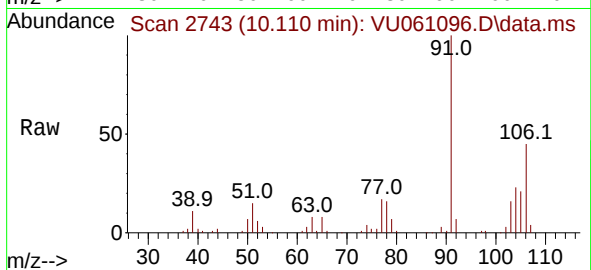
ClientSampleId :

Tgt Ion:104 Resp: 14025

Ion Ratio Lower Upper

104 100

78 67.4 31.7 58.9#



#60

Isopropylbenzene

Concen: 1.427 ug/L

RT: 10.991 min Scan# 3017

Delta R.T. 0.515 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

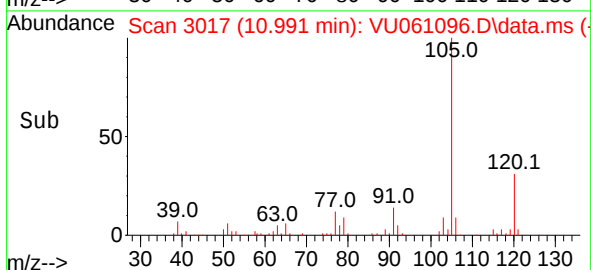
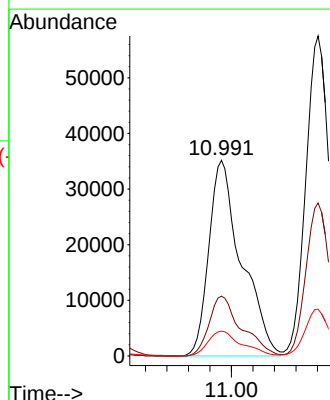
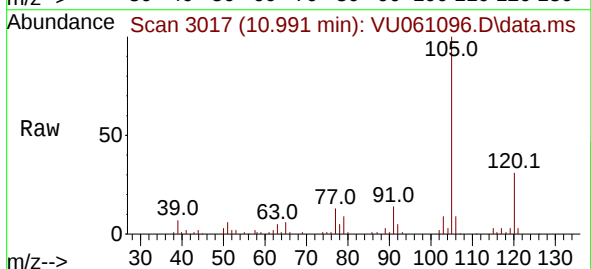
Tgt Ion:105 Resp: 74179

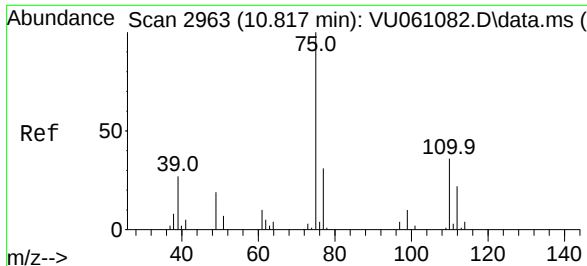
Ion Ratio Lower Upper

105 100

120 30.3 21.5 32.3

77 13.1 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 0.133 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.264 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

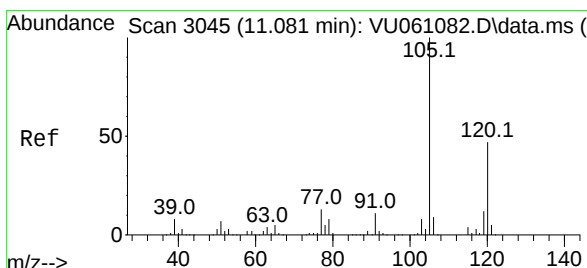
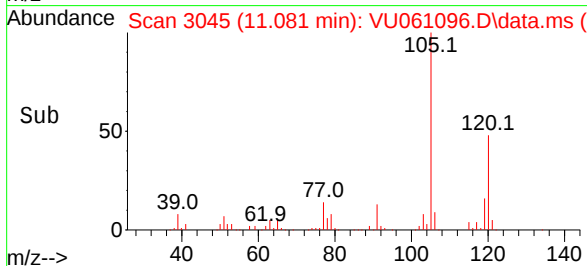
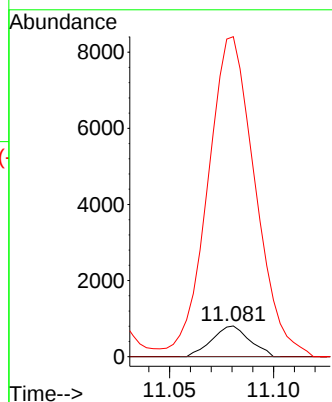
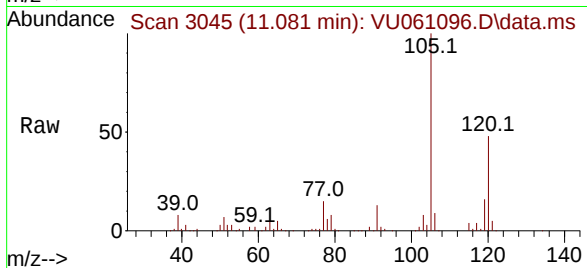
Tgt Ion: 75 Resp: 1016

Ion Ratio Lower Upper

75 100

110 0.0 28.6 43.0#

77 1314.1 26.3 39.5#



#62

1,3,5-Trimethylbenzene

Concen: 1.935 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061096.D

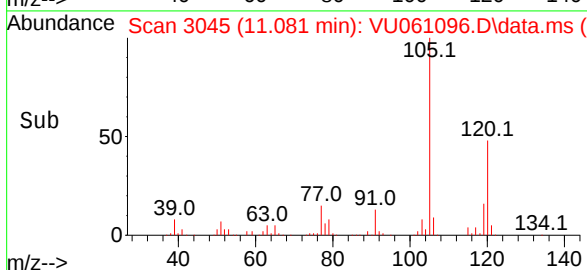
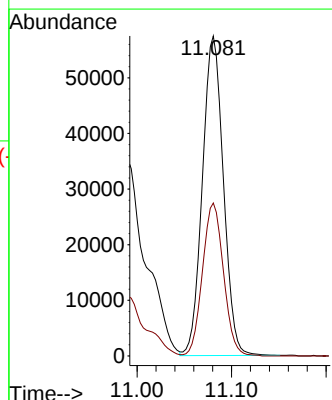
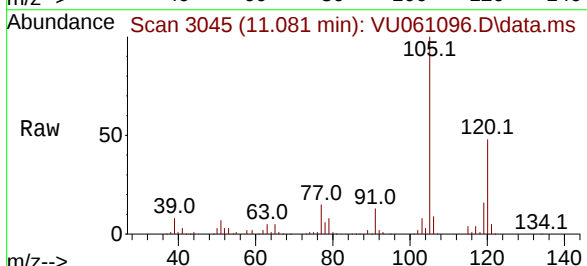
Acq: 10 Oct 2024 18:00

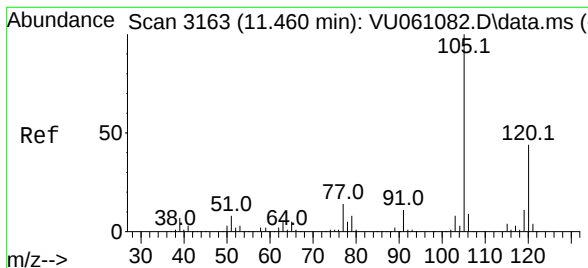
Tgt Ion:105 Resp: 88640

Ion Ratio Lower Upper

105 100

120 47.9 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 3.928 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Instrument :

MSVOA_U

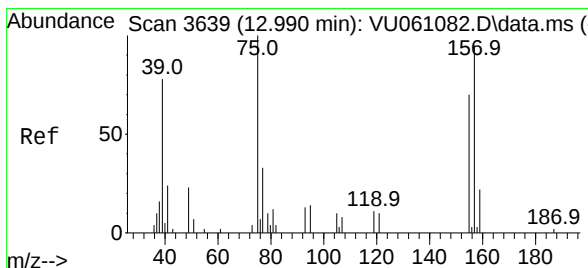
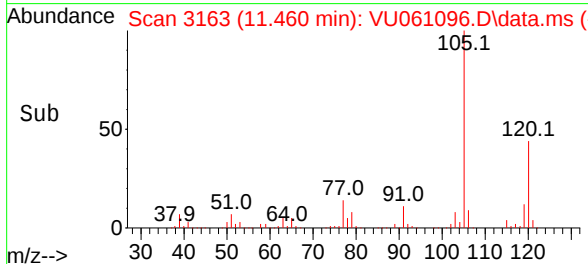
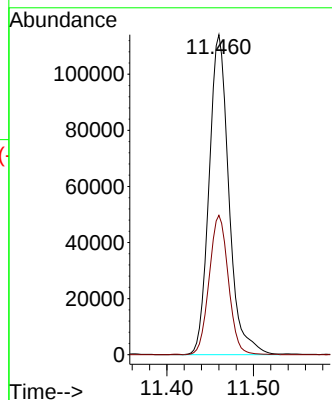
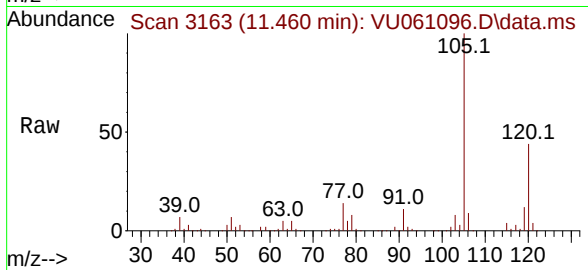
ClientSampleId :

Tgt Ion:105 Resp: 181592

Ion Ratio Lower Upper

105 100

120 42.1 36.1 54.1



#68

1,2-Dibromo-3-chloropropane

Concen: 1.401 ug/L

RT: 13.016 min Scan# 3647

Delta R.T. 0.026 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

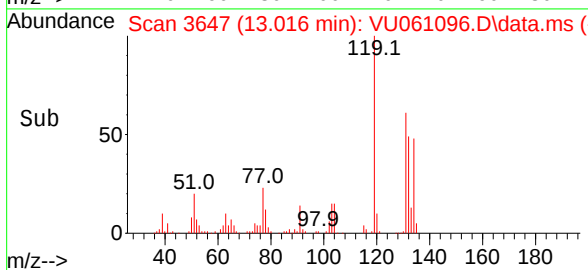
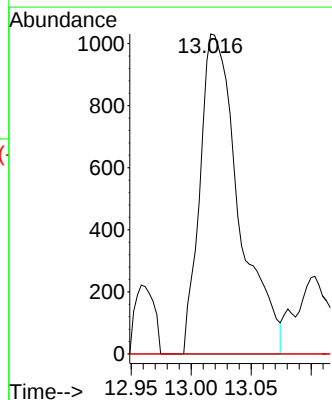
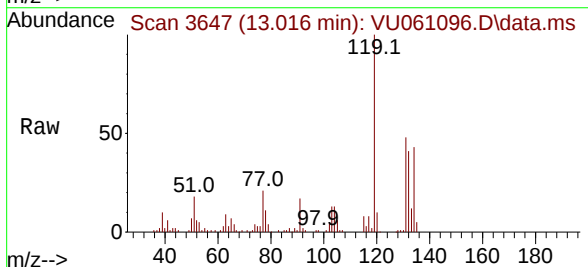
Tgt Ion: 75 Resp: 2332

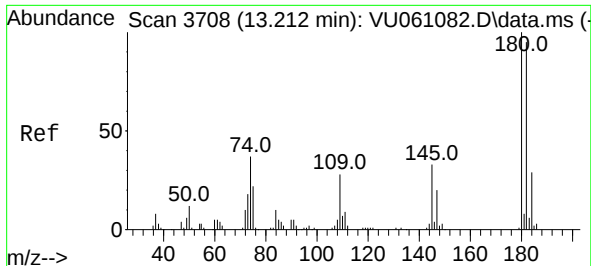
Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

157 0.0 91.0 136.4#





#69

1,3,5-Trichlorobenzene

Concen: 0.158 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.624 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 2483

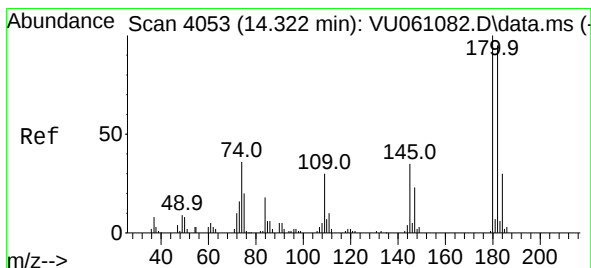
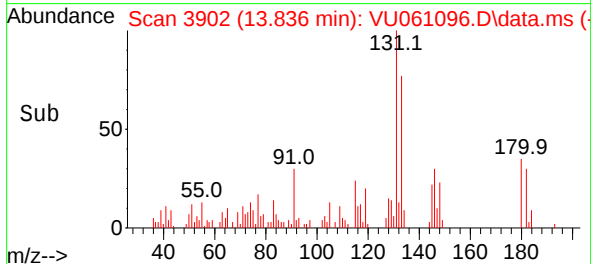
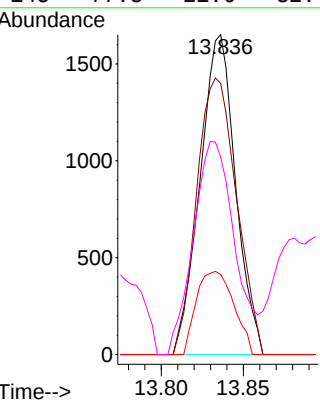
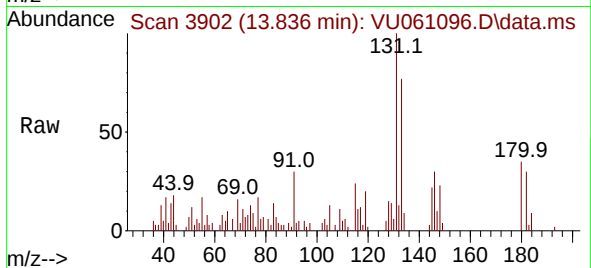
Ion Ratio Lower Upper

180 100

182 96.6 74.5 111.7

184 27.4 23.2 34.8

145 77.3 21.6 32.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.166 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU061096.D

Acq: 10 Oct 2024 18:00

Tgt Ion:180 Resp: 1661

Ion Ratio Lower Upper

180 100

182 87.7 75.7 113.5

145 132.9 23.5 35.3#

