

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
 Data File : VU061095.D
 Acq On : 10 Oct 2024 17:35
 Operator : MD/SY
 Sample : P4380-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 06:50:48 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	6.258	114	169848	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.412	117	156161	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	77286	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	40461	3.332	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.911	69	33716	3.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.200%
11) 1,1-Dichloroethene-d2	2.557	65	18327	3.421	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.400%
20) 2-Butanone-d5	4.714	46	114780	39.460	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.920%
24) Chloroform-d	5.058	84	85328	3.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
26) 1,2-Dichloroethane-d4	5.717	65	44832	3.952	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
32) Benzene-d6	5.737	84	165375	4.016	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.695	67	57442	4.248	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.897	98	151331	3.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	8.180	79	22586	3.906	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.640	63	100935	42.177	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.360%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	40848	4.119	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	53481	4.328	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.595	62	7138	0.595	ug/L #	1
8) Chloroethane	1.994	64	5048	0.693	ug/L #	54
18) trans-1,2-Dichloroethene	3.332	96	6887	0.641	ug/L	88
22) cis-1,2-Dichloroethene	4.653	96	130320	10.883	ug/L	98
30) Cyclohexane	5.377	56	2123	0.105	ug/L	93
33) Benzene	5.782	78	28942	0.629	ug/L	100
34) Trichloroethene	6.547	95	128870	10.327	ug/L	97
35) Methylcyclohexane	6.762	83	1543	0.077	ug/L #	85
37) 1,2-Dichloropropane	6.695	63	6146	0.507	ug/L #	93
42) Toluene	7.965	91	1092412	22.274	ug/L	99
45) 1,1,2-Trichloroethane	8.550	97	22930	2.852	ug/L #	1
47) Tetrachloroethene	8.550	164	2357048	290.216	ug/L	95
49) Dibromochloromethane	8.550	129	2442866	261.140	ug/L #	9
52) Ethylbenzene	9.566	91	15058	0.271	ug/L	94
53) m,p-Xylene	9.685	106	34655	1.709	ug/L	95
54) o-Xylene	10.097	106	16714	0.838	ug/L	97
60) Isopropylbenzene	10.991	105	18782	0.363	ug/L	94
62) 1,3,5-Trimethylbenzene	11.081	105	20565	0.451	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	34964	0.760	ug/L	94

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

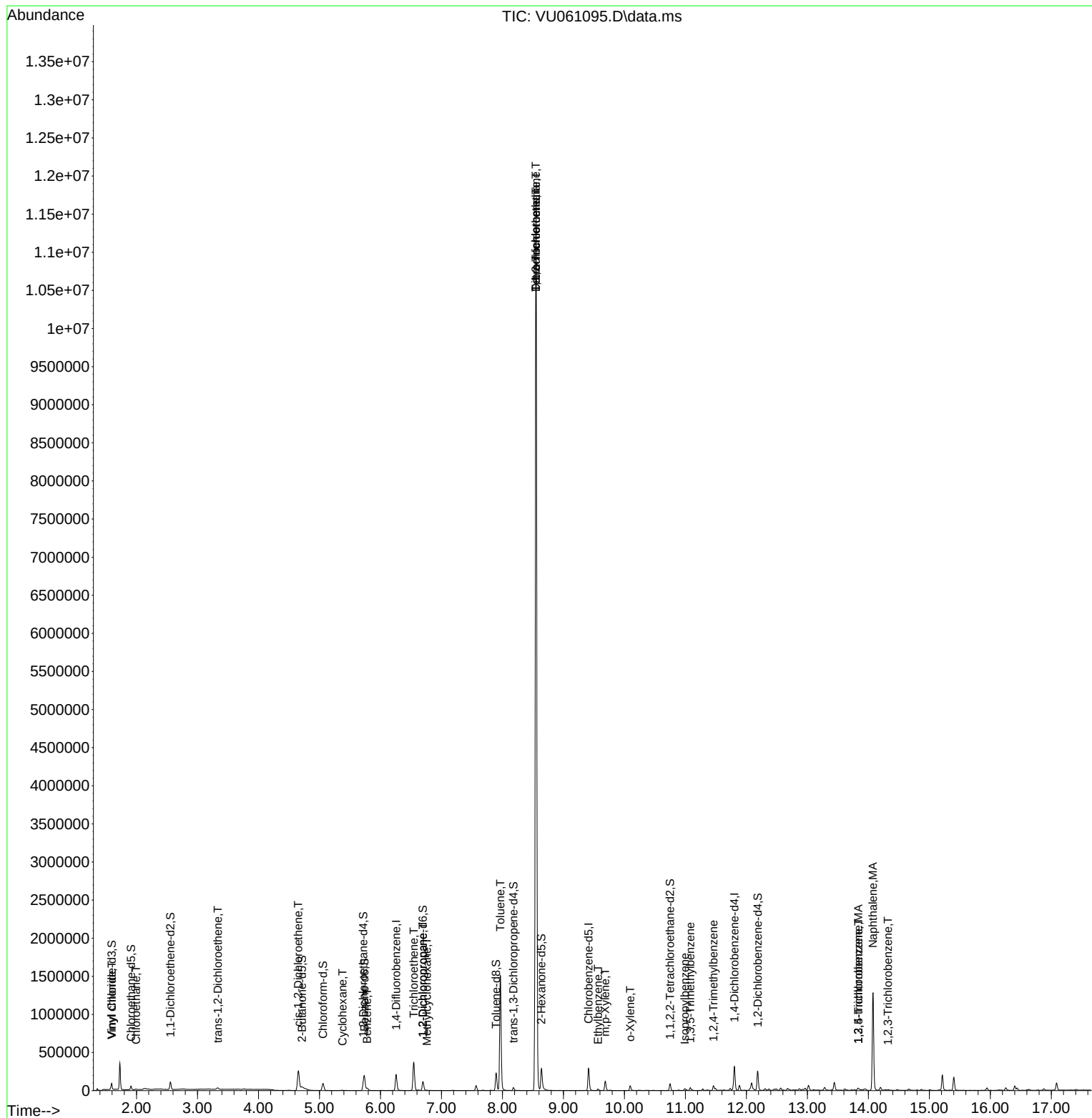
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.836	180	3515	0.225	ug/L #	84
70) 1,2,4-trichlorobenzene	13.836	180	3515	0.294	ug/L #	85
71) Naphthalene	14.077	128	975463	49.949	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	1677	0.169	ug/L #	67

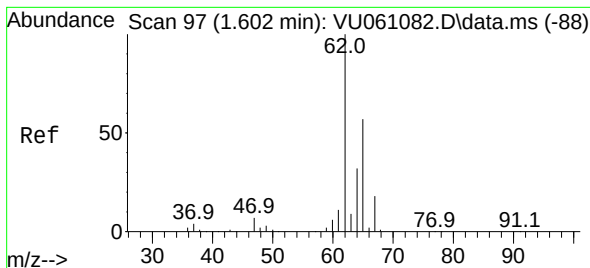
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.595 ug/L

RT: 1.595 min Scan# 91

Delta R.T. -0.006 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Instrument :

MSVOA_U

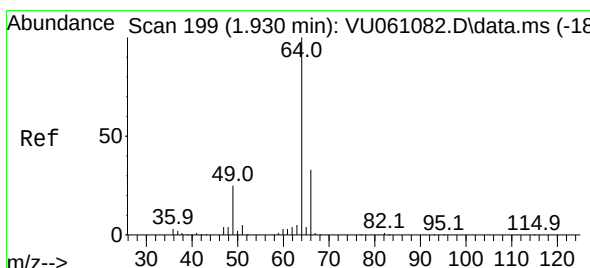
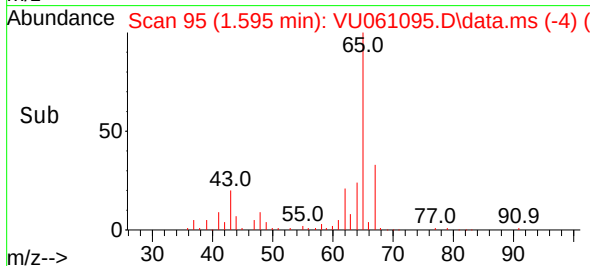
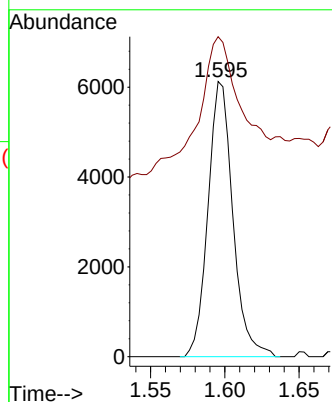
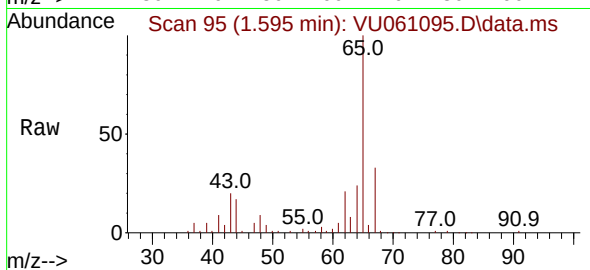
ClientSampleId :

Tgt Ion: 62 Resp: 7138

Ion Ratio Lower Upper

62 100

64 116.3 24.0 44.6#



#8

Chloroethane

Concen: 0.693 ug/L

RT: 1.994 min Scan# 219

Delta R.T. 0.064 min

Lab File: VU061095.D

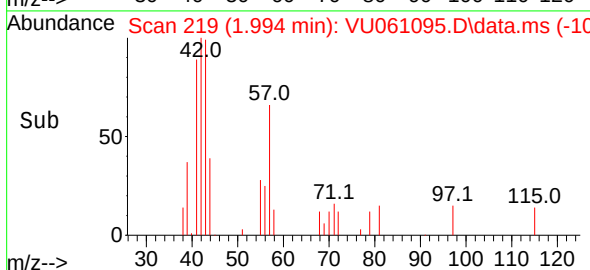
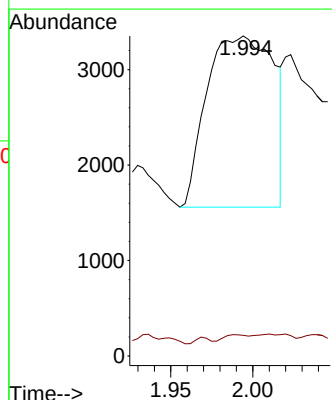
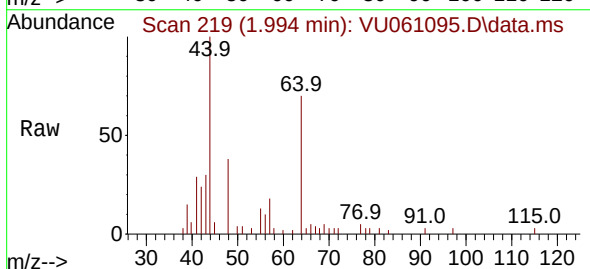
Acq: 10 Oct 2024 17:35

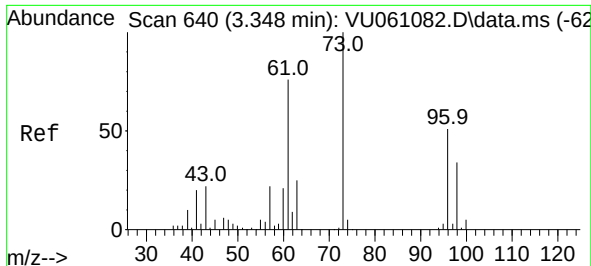
Tgt Ion: 64 Resp: 5048

Ion Ratio Lower Upper

64 100

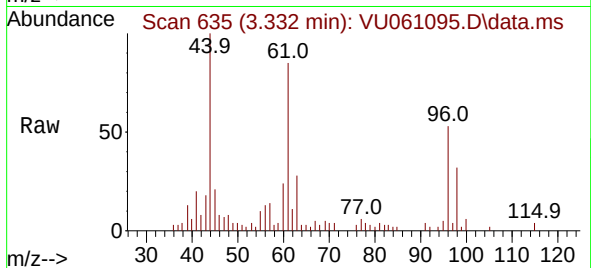
66 6.4 22.3 41.3#





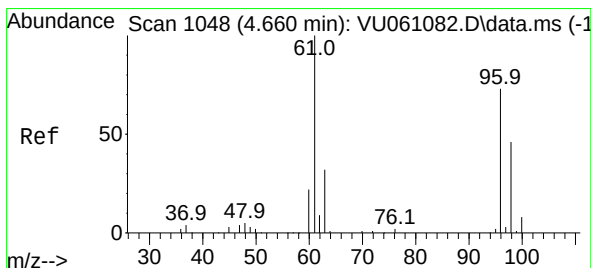
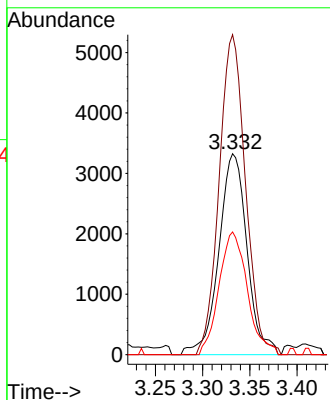
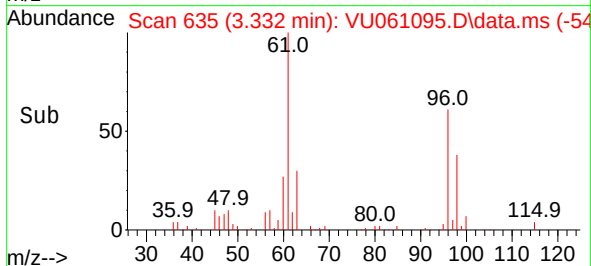
#18
trans-1,2-Dichloroethene
Concen: 0.641 ug/L
RT: 3.332 min Scan# 61
Delta R.T. -0.016 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :

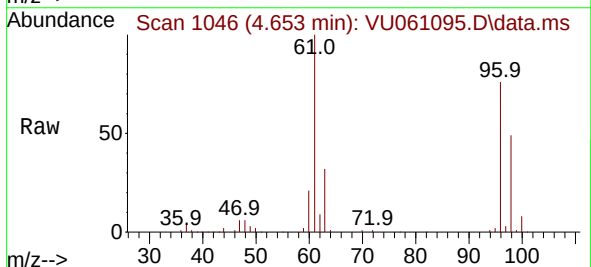


Tgt Ion: 96 Resp: 6887

Ion	Ratio	Lower	Upper
96	100		
61	159.2	97.2	180.6
98	61.1	43.3	80.5

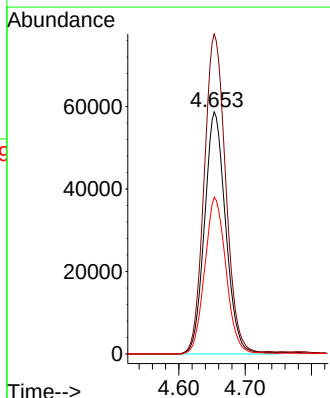
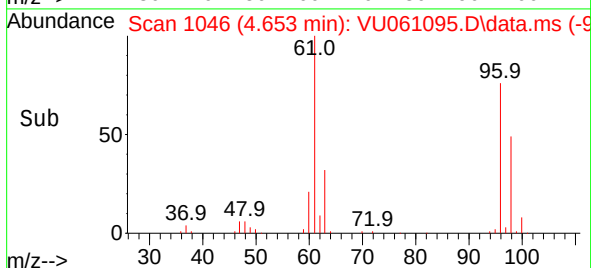


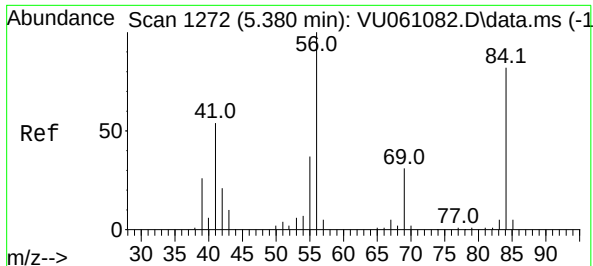
#22
cis-1,2-Dichloroethene
Concen: 10.883 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35



Tgt Ion: 96 Resp: 130320

Ion	Ratio	Lower	Upper
96	100		
61	132.2	89.7	166.5
98	64.7	45.1	83.9





#30

Cyclohexane

Concen: 0.105 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

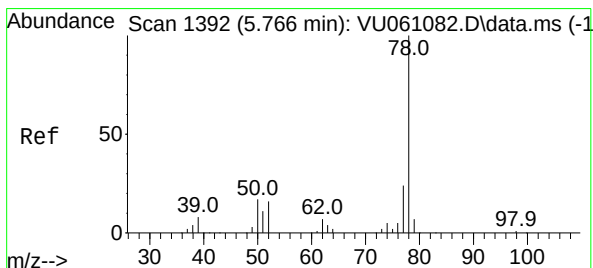
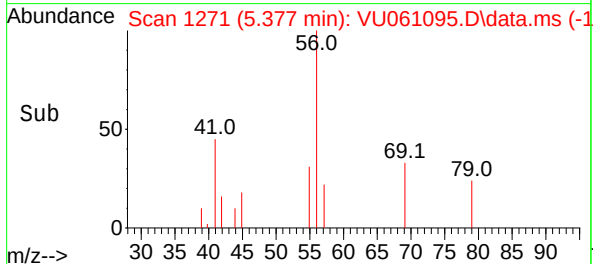
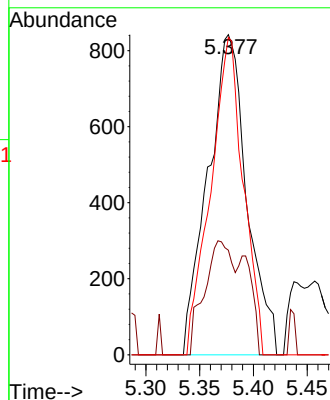
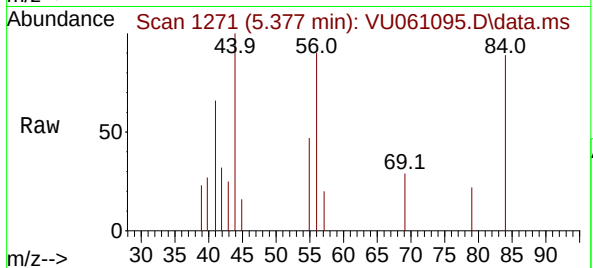
Tgt Ion: 56 Resp: 2123

Ion Ratio Lower Upper

56 100

69 26.0 25.4 38.0

84 83.1 71.0 106.6



#33

Benzene

Concen: 0.629 ug/L

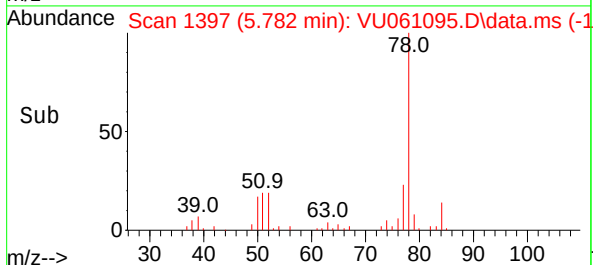
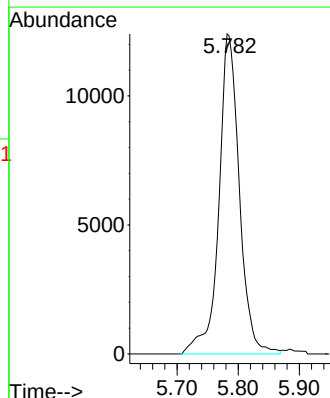
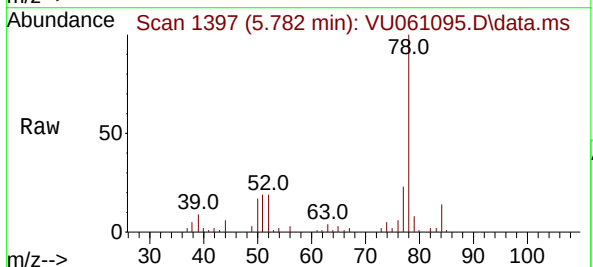
RT: 5.782 min Scan# 1397

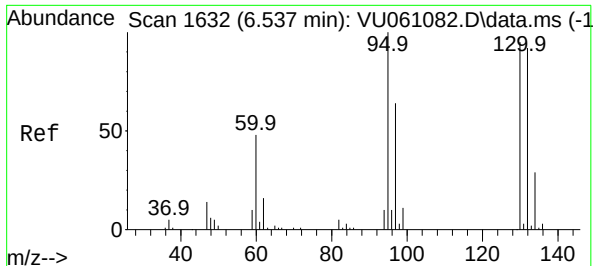
Delta R.T. 0.016 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Tgt Ion: 78 Resp: 28942





#34

Trichloroethene

Concen: 10.327 ug/L

RT: 6.547 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 128870

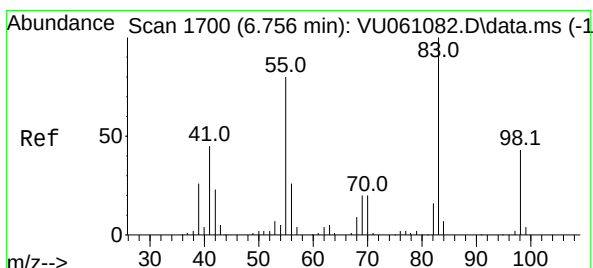
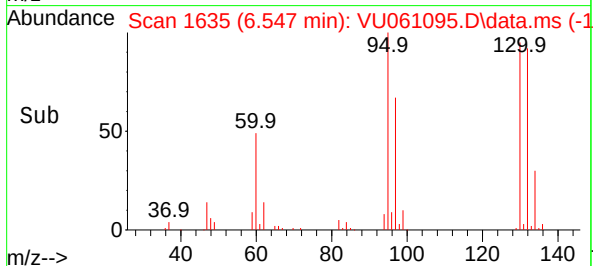
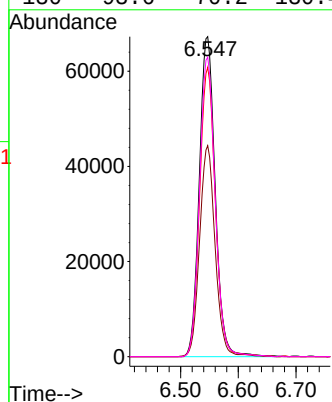
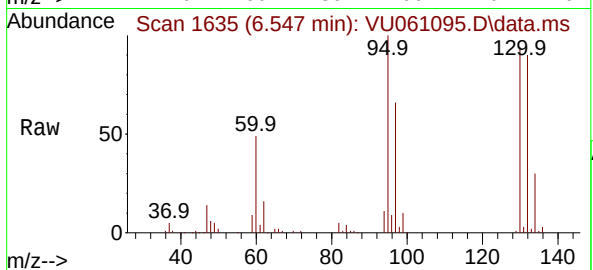
Ion Ratio Lower Upper

95 100

97 66.0 44.9 83.5

132 90.4 63.5 117.9

130 93.6 70.2 130.4



#35

Methylcyclohexane

Concen: 0.077 ug/L

RT: 6.762 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

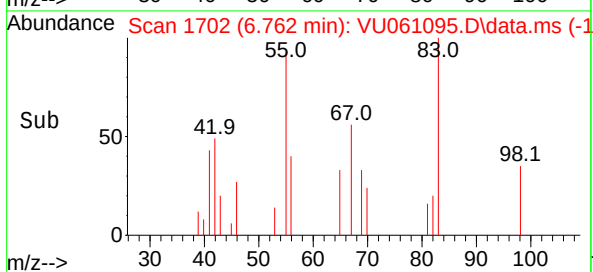
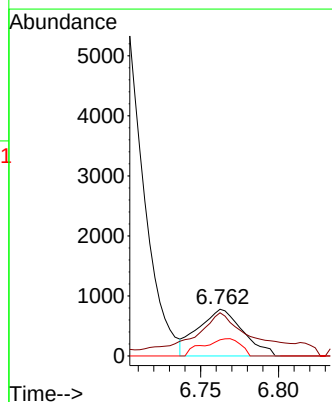
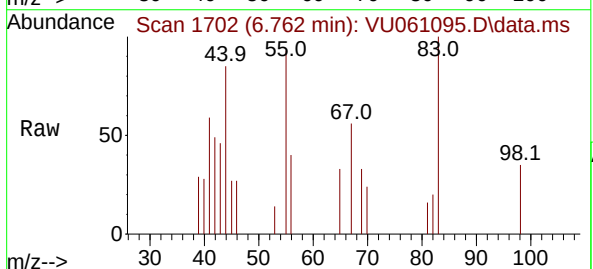
Tgt Ion: 83 Resp: 1543

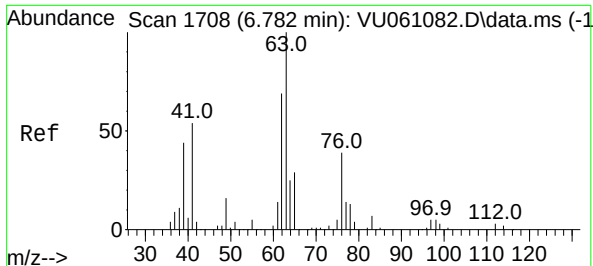
Ion Ratio Lower Upper

83 100

55 86.2 62.6 94.0

98 30.8 37.6 56.4#

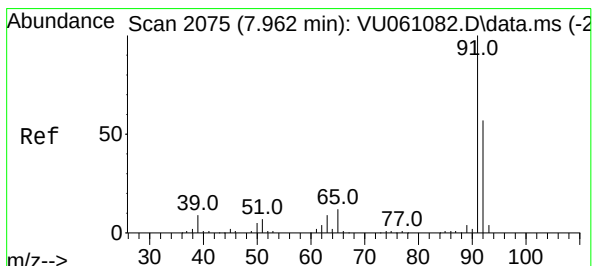
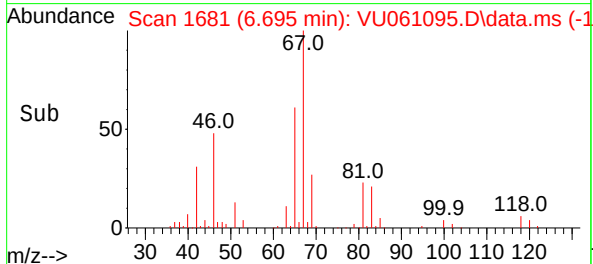
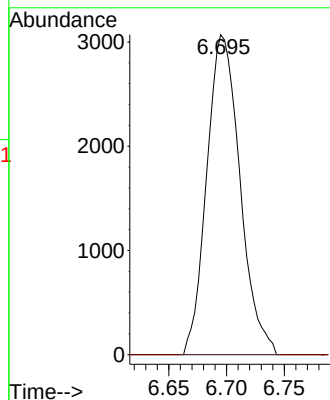
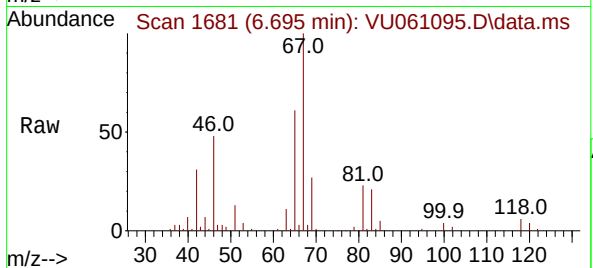




#37
1,2-Dichloropropane
Concen: 0.507 ug/L
RT: 6.695 min Scan# 1
Delta R.T. -0.087 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

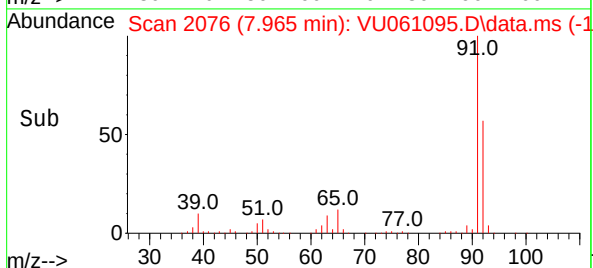
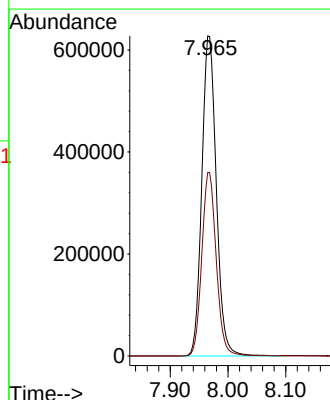
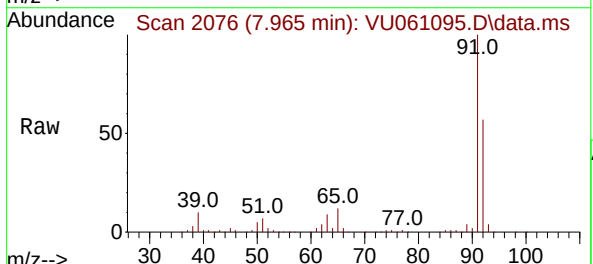
Instrument :
MSVOA_U
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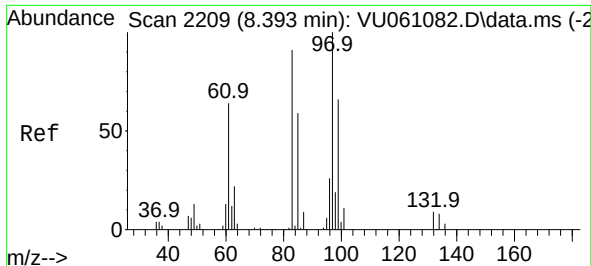
Tgt Ion: 63 Resp: 6146
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 22.274 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

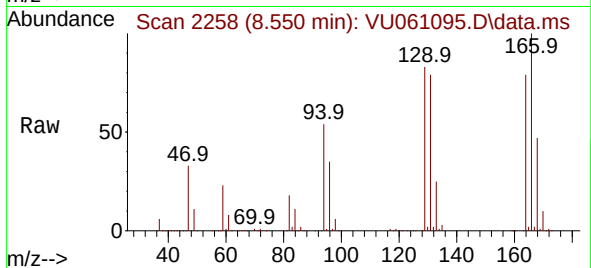
Tgt Ion: 91 Resp: 1092412
Ion Ratio Lower Upper
91 100
92 57.3 40.5 75.3



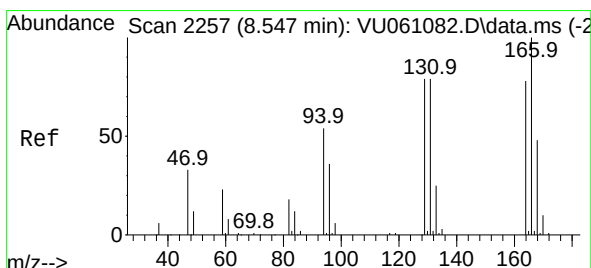
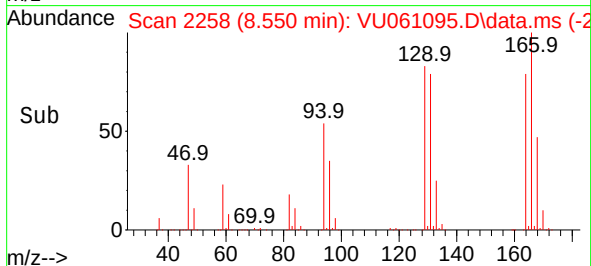
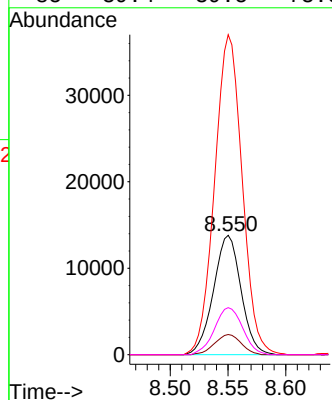


#45
1,1,2-Trichloroethane
Concen: 2.852 ug/L
RT: 8.550 min Scan# 2209
Delta R.T. 0.158 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :

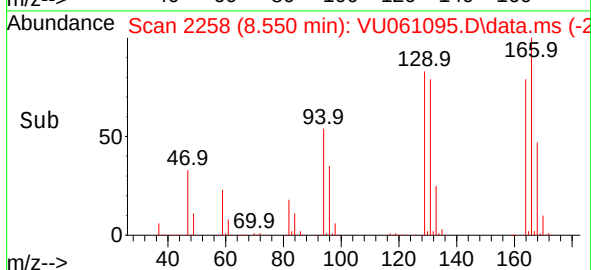
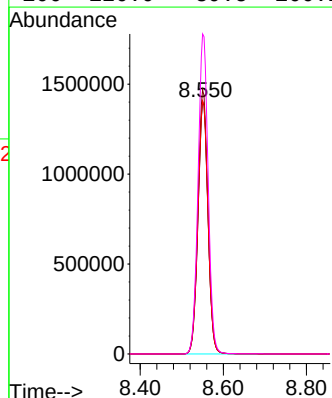
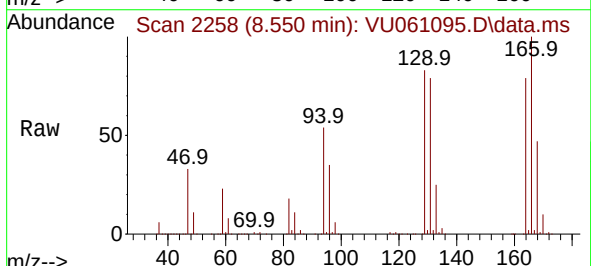


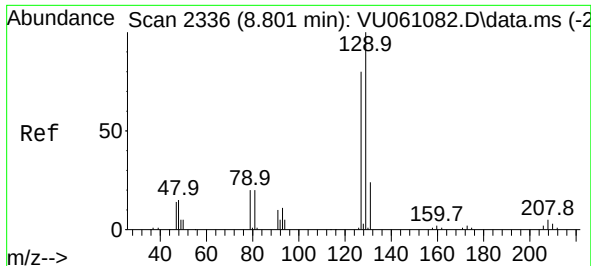
Tgt Ion: 97	Resp: 22930
Ion Ratio	Lower Upper
97	100
99	16.9 42.3 78.5#
83	268.1 61.7 114.5#
85	39.4 39.5 73.3#



#47
Tetrachloroethene
Concen: 290.216 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Tgt Ion: 164	Resp: 2357048
Ion Ratio	Lower Upper
164	100
129	104.8 67.3 124.9
131	100.4 65.4 121.4
166	126.9 89.5 166.1





#49

Dibromochloromethane

Concen: 261.140 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Instrument :

MSVOA_U

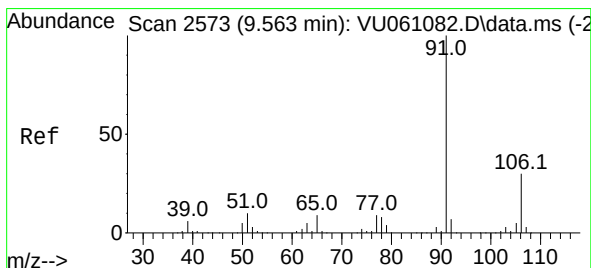
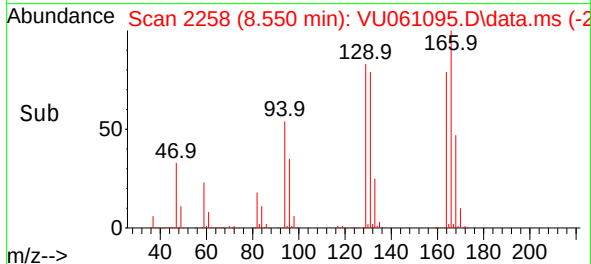
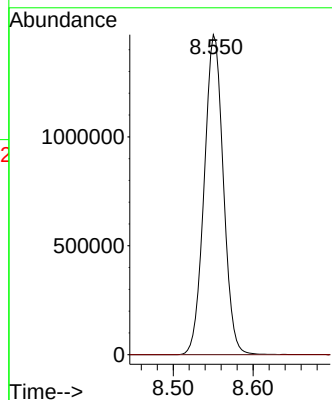
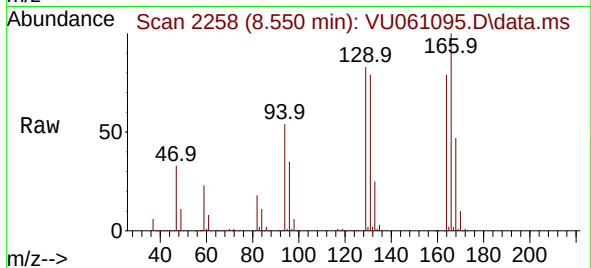
ClientSampleId :

Tgt Ion:129 Resp: 2442866

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#52

Ethylbenzene

Concen: 0.271 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU061095.D

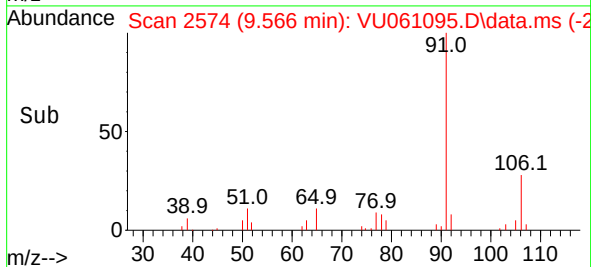
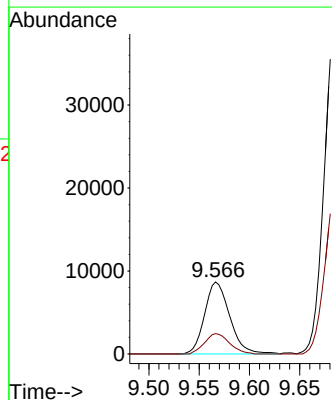
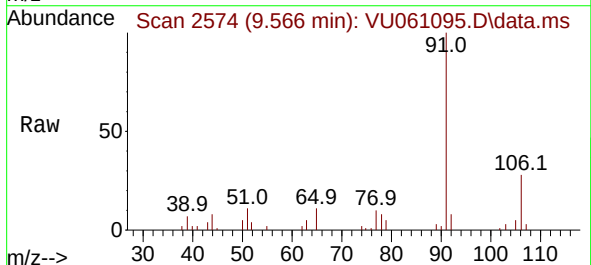
Acq: 10 Oct 2024 17:35

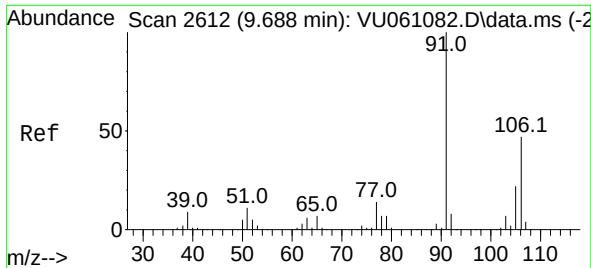
Tgt Ion: 91 Resp: 15058

Ion Ratio Lower Upper

91 100

106 28.2 21.8 40.6

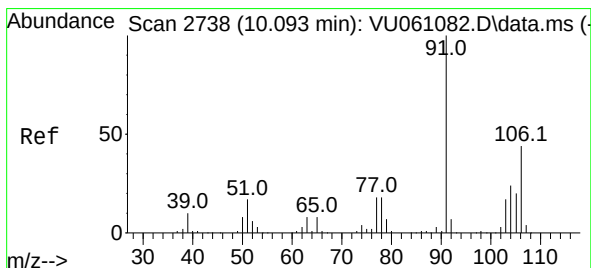
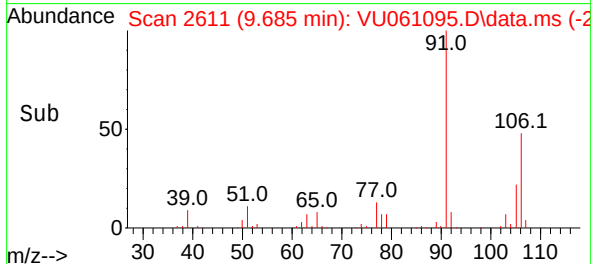
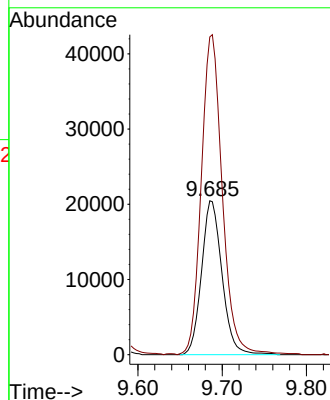
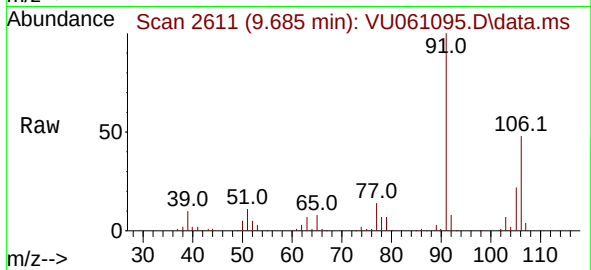




#53
m,p-Xylene
Concen: 1.709 ug/L
RT: 9.685 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

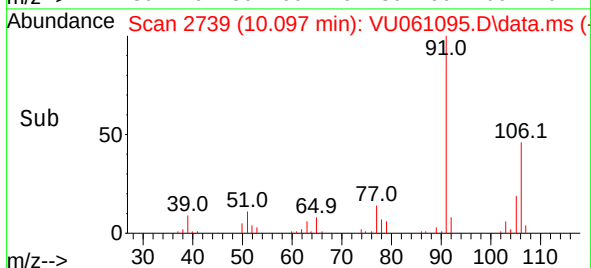
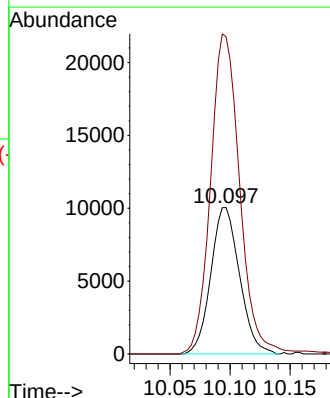
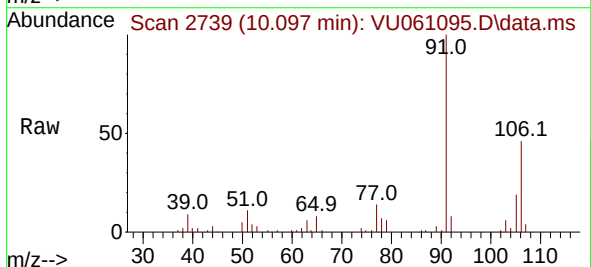
Instrument :
MSVOA_U
ClientSampleId :

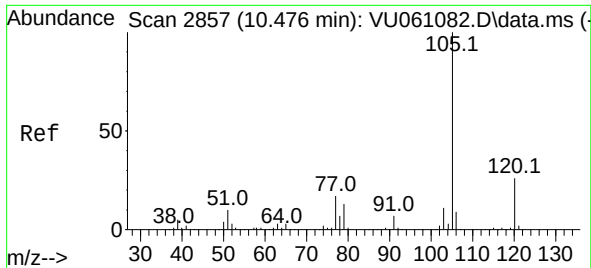
Tgt Ion:106 Resp: 34655
Ion Ratio Lower Upper
106 100
91 206.5 139.7 259.4



#54
o-Xylene
Concen: 0.838 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Tgt Ion:106 Resp: 16714
Ion Ratio Lower Upper
106 100
91 216.6 148.6 276.0

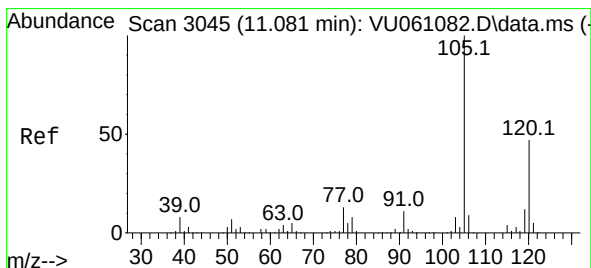
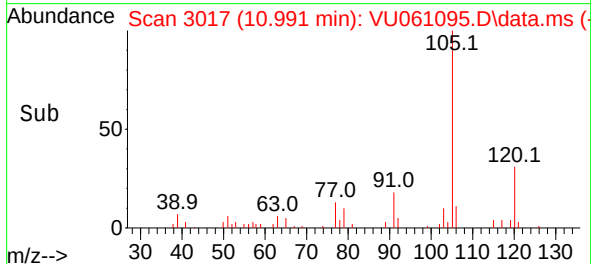
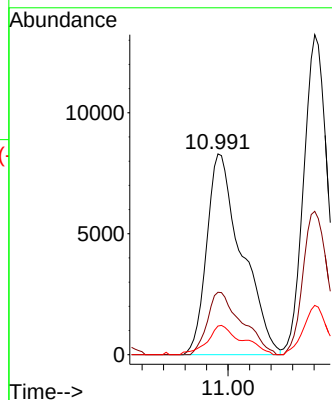
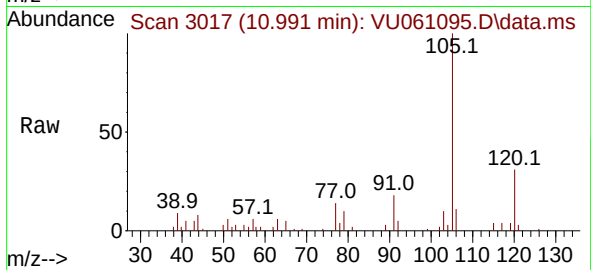




#60
Isopropylbenzene
Concen: 0.363 ug/L
RT: 10.991 min Scan# 3017
Delta R.T. 0.514 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

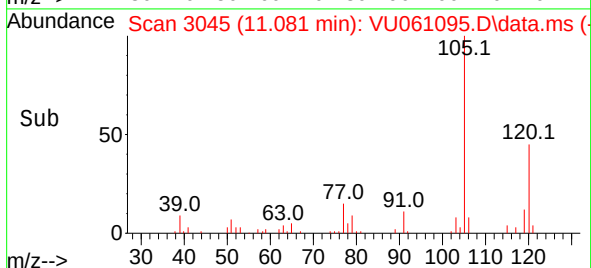
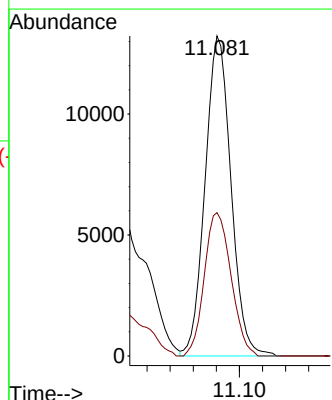
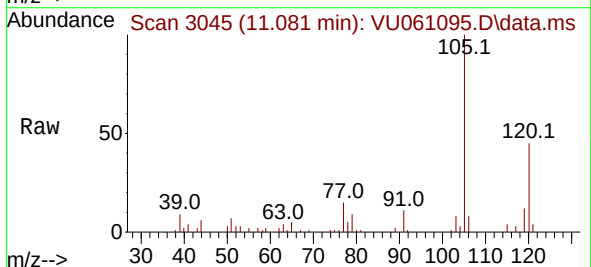
Instrument :
MSVOA_U
ClientSampleId :

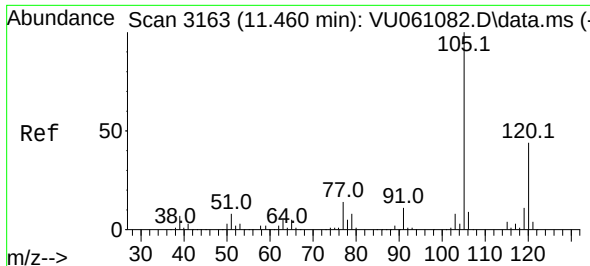
Tgt Ion:105 Resp: 18782
Ion Ratio Lower Upper
105 100
120 30.6 21.5 32.3
77 14.4 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 0.451 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Tgt Ion:105 Resp: 20565
Ion Ratio Lower Upper
105 100
120 46.3 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 0.760 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Instrument :

MSVOA_U

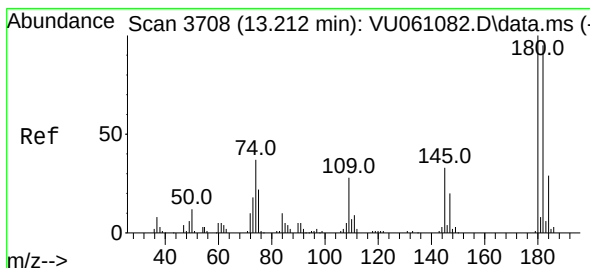
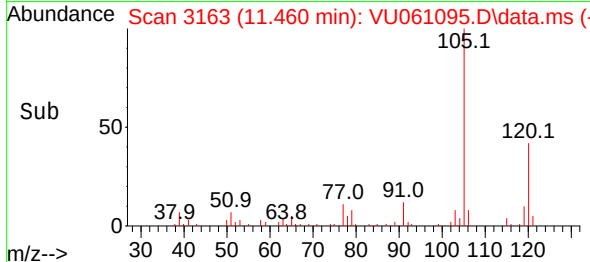
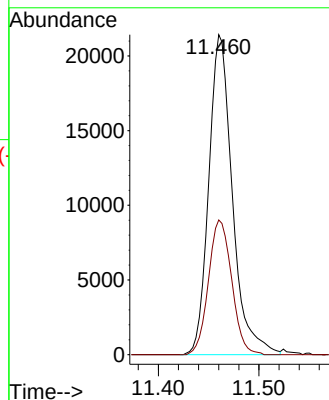
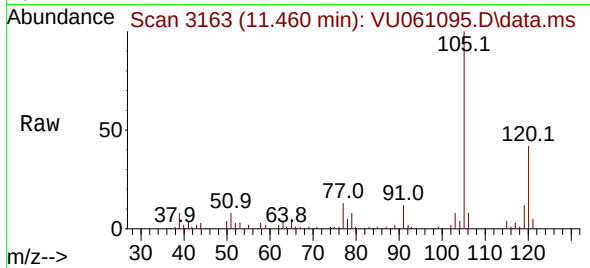
ClientSampleId :

Tgt Ion:105 Resp: 34964

Ion Ratio Lower Upper

105 100

120 41.4 36.1 54.1



#69

1,3,5-Trichlorobenzene

Concen: 0.225 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.624 min

Lab File: VU061095.D

Acq: 10 Oct 2024 17:35

Tgt Ion:180 Resp: 3515

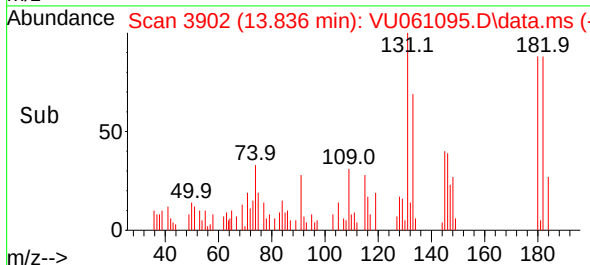
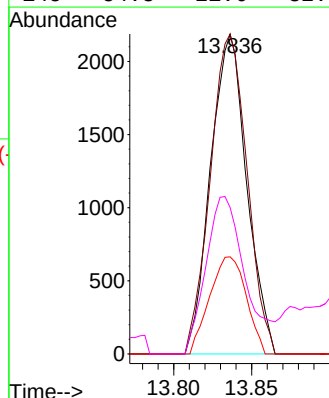
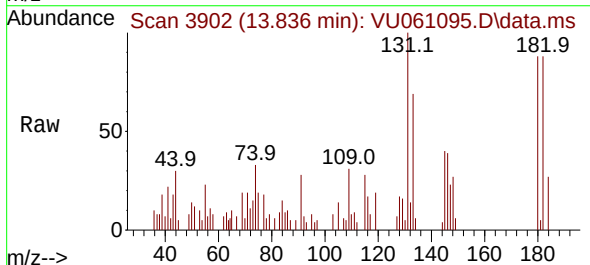
Ion Ratio Lower Upper

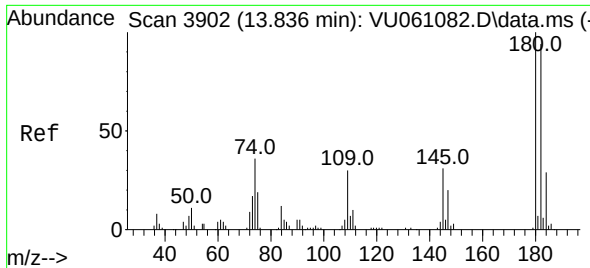
180 100

182 101.7 74.5 111.7

184 30.8 23.2 34.8

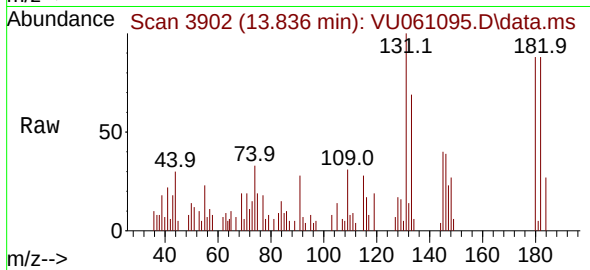
145 54.3 21.6 32.4#



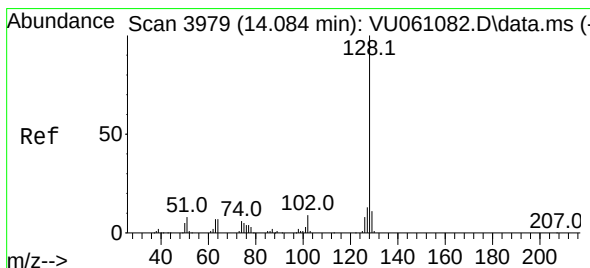
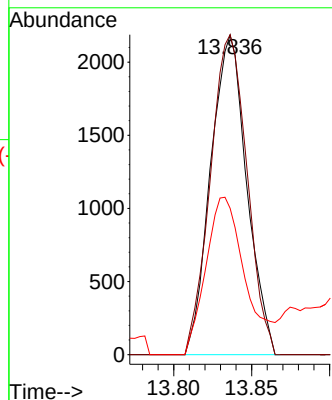
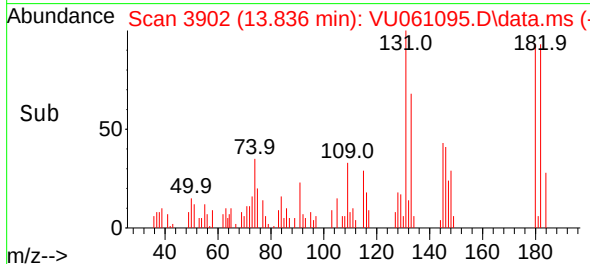


#70
1,2,4-trichlorobenzene
Concen: 0.294 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :

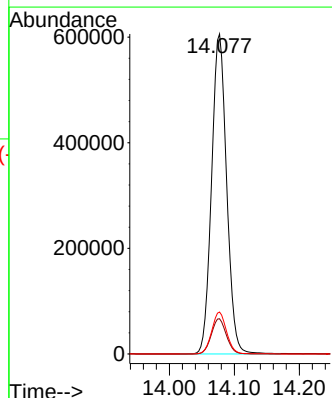
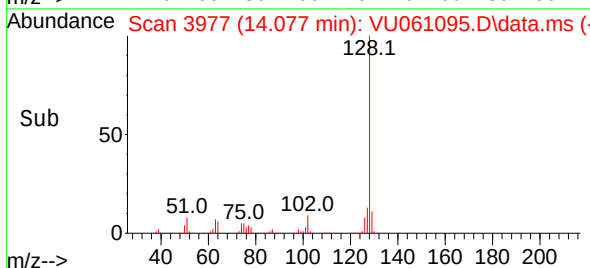
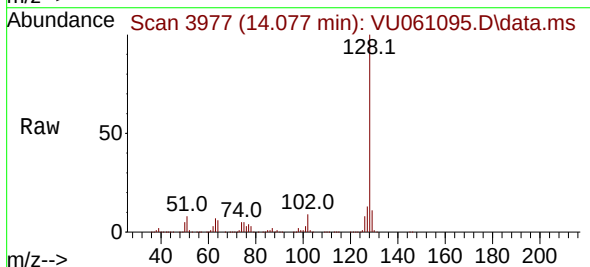


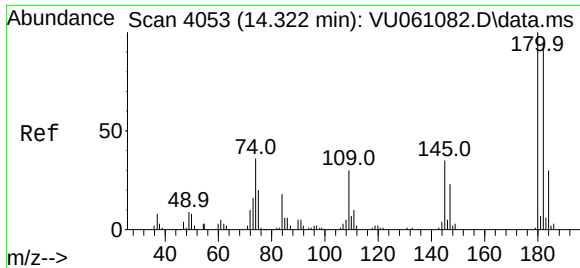
Tgt Ion:180 Resp: 3515
Ion Ratio Lower Upper
180 100
182 101.7 77.4 116.2
145 54.3 22.9 34.3#



#71
Naphthalene
Concen: 49.949 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

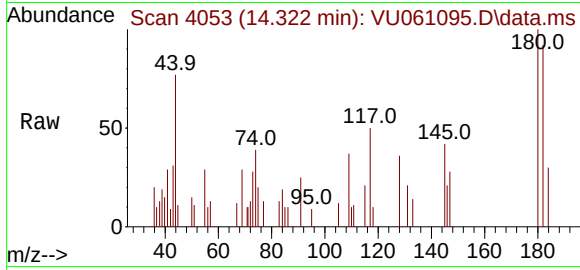
Tgt Ion:128 Resp: 975463
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 13.0 10.7 16.1





#72
1,2,3-Trichlorobenzene
Concen: 0.169 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU061095.D
Acq: 10 Oct 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 1677
Ion Ratio Lower Upper
180 100
182 89.4 75.7 113.5
145 95.4 23.5 35.3#

