

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046194.D
 Acq On : 08 Dec 2021 22:35
 Operator : SY/MD
 Sample : M4983-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 04:36:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	205757	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	198007	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	107110	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	54326	32.052	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.100%
7) Chloroethane-d5	1.919	69	45532	34.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.980%#
11) 1,1-Dichloroethene-d2	2.572	63	85857	28.217	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.440%#
21) 2-Butanone-d5	4.639	46	129292	95.958	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.960%
24) Chloroform-d	5.067	84	120531	42.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.160%
26) 1,2-Dichloroethane-d4	5.703	65	80306	42.277	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.560%
32) Benzene-d6	5.732	84	248168	43.728	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.460%
36) 1,2-Dichloropropane-d6	6.694	67	78728	44.761	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.520%
41) Toluene-d8	7.899	98	224112	43.371	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.740%
43) trans-1,3-Dichloroprop...	8.179	79	37863	44.594	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.180%
47) 2-Hexanone-d5	8.632	63	91778	110.054	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.050%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	128205	48.064	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.120%
66) 1,2-Dichlorobenzene-d4	12.195	152	97363	47.201	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
5) Vinyl chloride	1.607	62	981	0.486	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	793	0.530	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	7908	5.558	ug/L #	1
17) trans-1,2-Dichloroethene	3.363	96	1011	0.672	ug/L	78
19) 1,1-Dichloroethane	3.874	63	70996	25.935	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	12166	7.447	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	290681	119.595	ug/L	98
31) Carbon tetrachloride	5.321	117	37152	18.005	ug/L	98
34) Trichloroethene	6.543	95	4644	2.941	ug/L	98
35) Methylcyclohexane	6.694	83	19212	7.848	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	8489	5.407	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2280	0.955	ug/L #	54
46) Tetrachloroethene	8.555	164	8404	7.243	ug/L	94
49) Dibromochloromethane	8.552	129	8535	5.160	ug/L #	10
60) 1,2,3-Trichloropropane	11.809	75	12241	5.213	ug/L #	63
63) 1,2,4-Trimethylbenzene	11.468	105	5772	0.993	ug/L	96

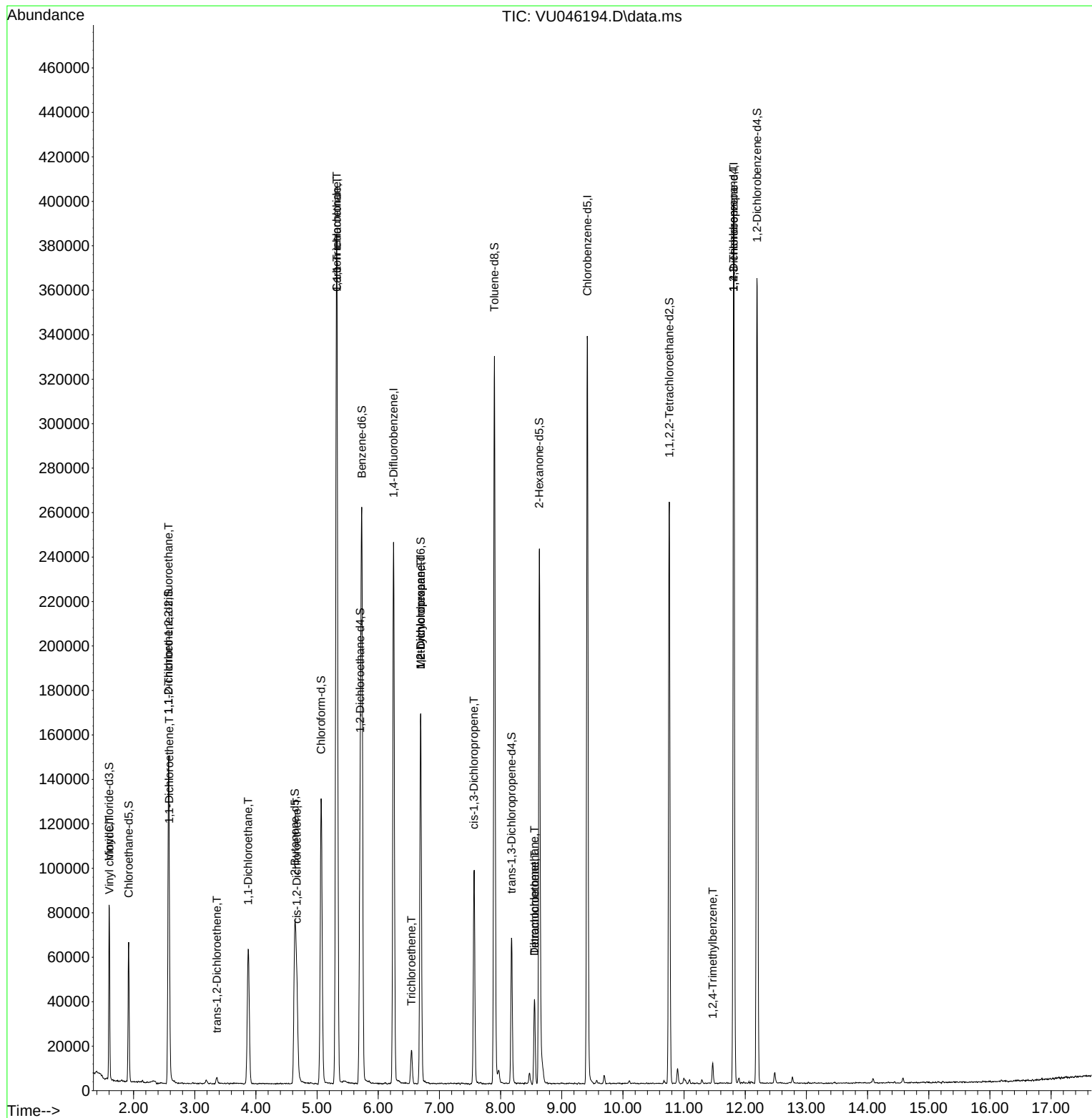
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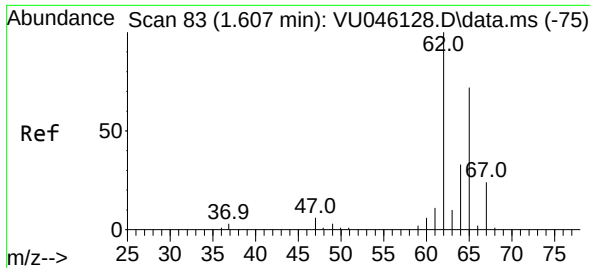
Instrument :
MSVOA_U
ClientSampleId :

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QLast Update : Fri Dec 03 05:08:36 2021
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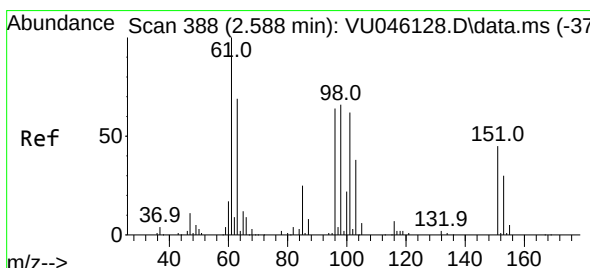
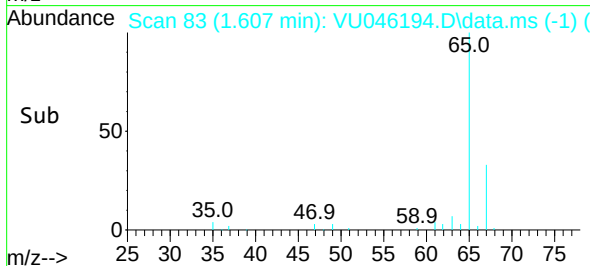
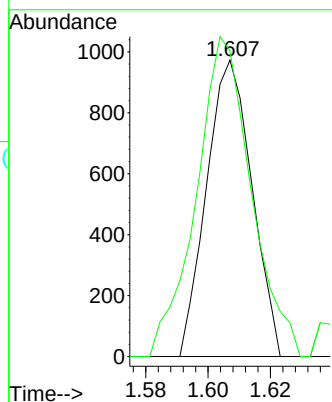
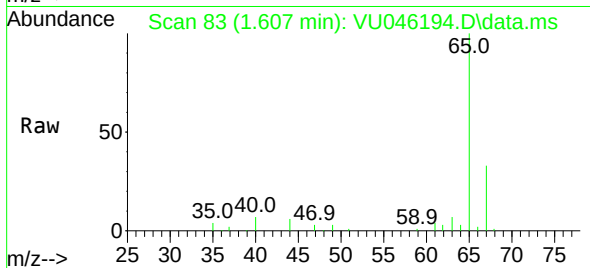




#5
 Vinyl chloride
 Concen: 0.486 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046194.D
 Acq: 08 Dec 2021 22:35

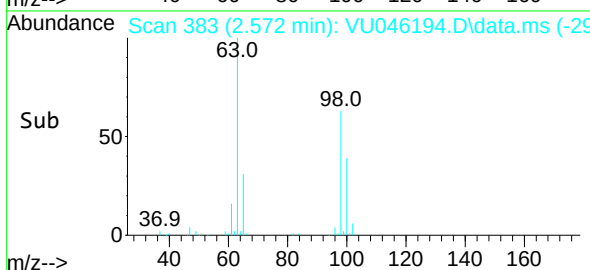
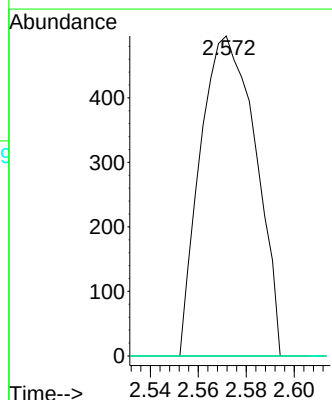
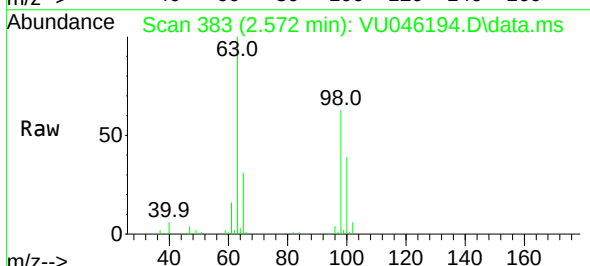
Instrument :
 MSVOA_U
 ClientSampleId :

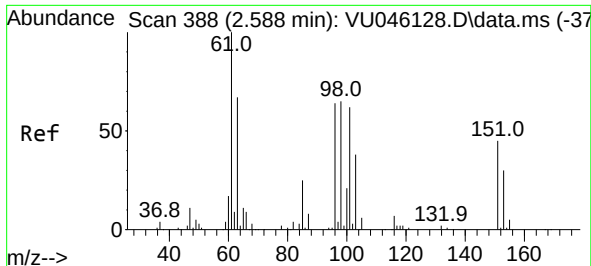
Tgt Ion: 62 Resp: 981
 Ion Ratio Lower Upper
 62 100
 64 103.2 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.530 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046194.D
 Acq: 08 Dec 2021 22:35

Tgt Ion: 101 Resp: 793
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 5.558 ug/L

RT: 2.584 min Scan# 388

Delta R.T. 0.000 min

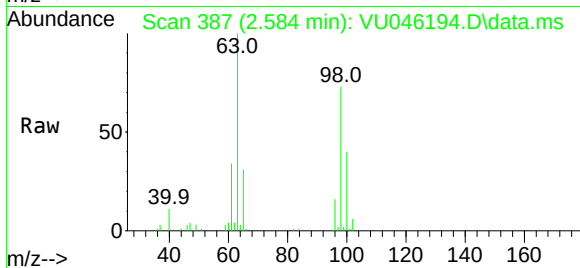
Lab File: VU046194.D

Acq: 08 Dec 2021 22:35

Instrument :

MSVOA_U

ClientSampleId :



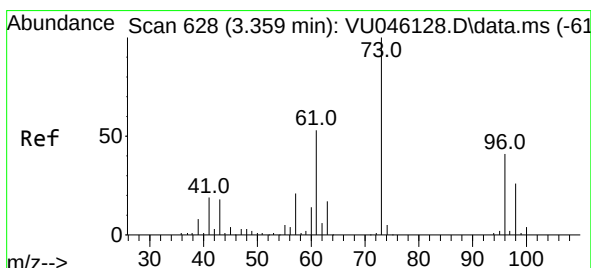
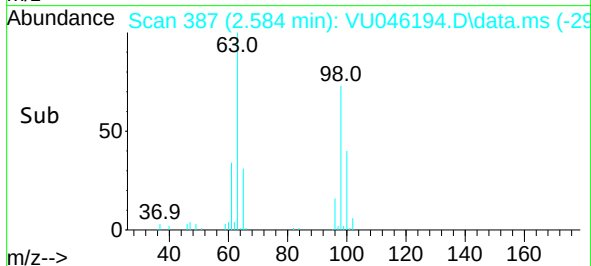
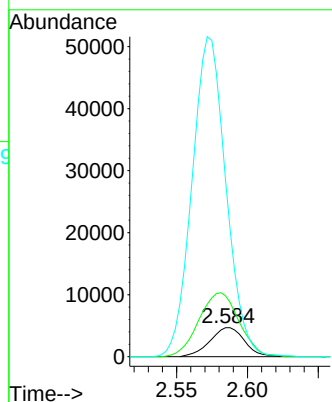
Tgt Ion: 96 Resp: 7908

Ion Ratio Lower Upper

96 100

61 210.2 118.6 220.2

63 609.9 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 0.672 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU046194.D

Acq: 08 Dec 2021 22:35

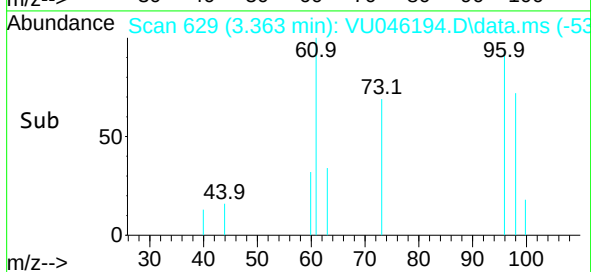
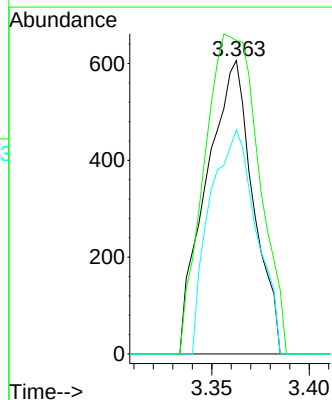
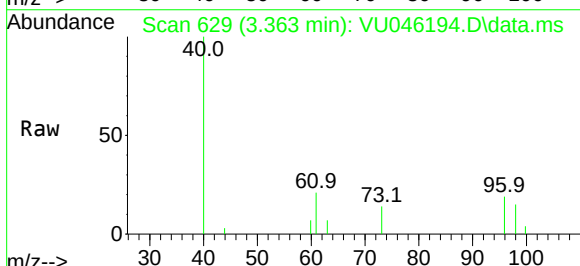
Tgt Ion: 96 Resp: 1011

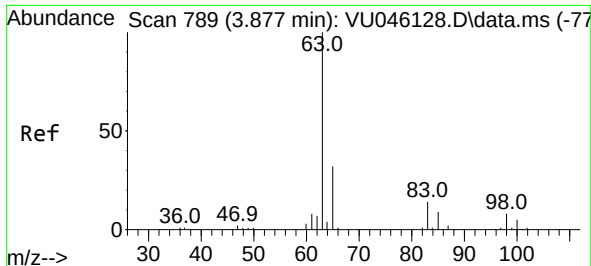
Ion Ratio Lower Upper

96 100

61 106.8 94.6 175.6

98 76.4 44.0 81.8





#19

1,1-Dichloroethane

Concen: 25.935 ug/L

RT: 3.874 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU046194.D

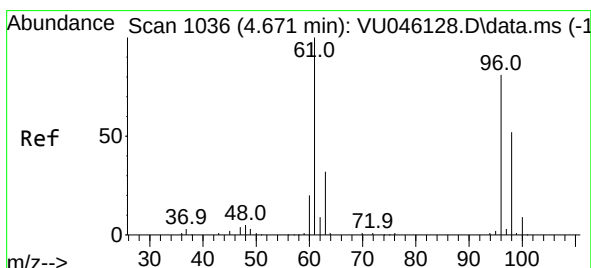
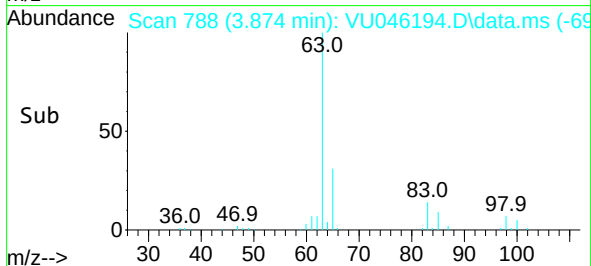
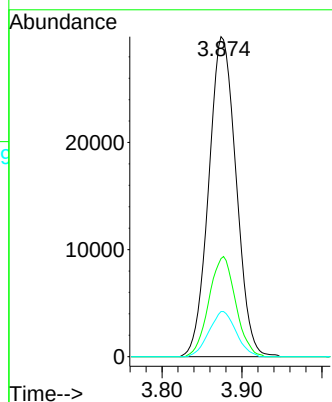
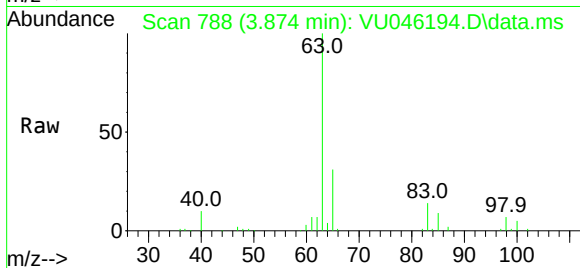
Acq: 08 Dec 2021 22:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 70996
Ion Ratio	Lower Upper
63 100	
65 30.6	22.8 42.4
83 14.1	9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 7.447 ug/L

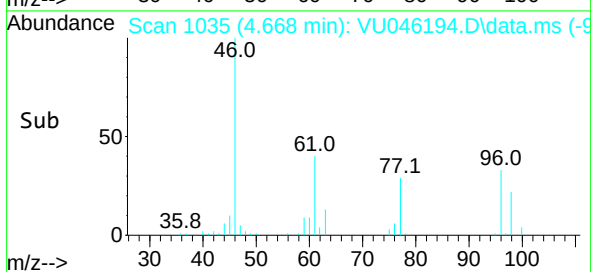
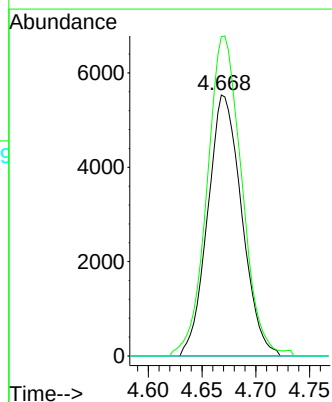
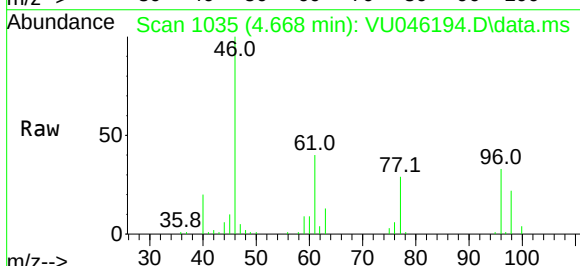
RT: 4.668 min Scan# 1035

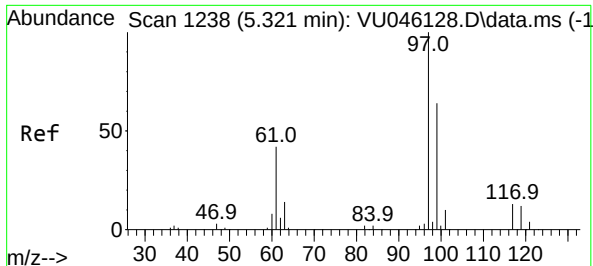
Delta R.T. -0.003 min

Lab File: VU046194.D

Acq: 08 Dec 2021 22:35

Tgt Ion: 96	Resp: 12166
Ion Ratio	Lower Upper
96 100	
61 122.4	86.8 161.2
68 0.0	0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 119.595 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046194.D

Acq: 08 Dec 2021 22:35

Instrument :

MSVOA_U

ClientSampleId :

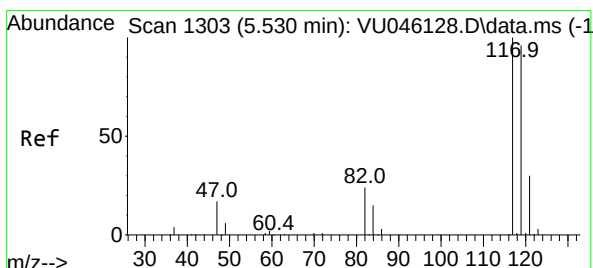
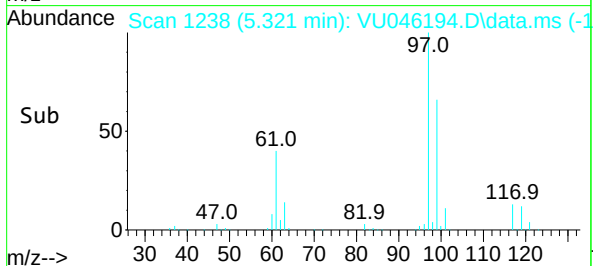
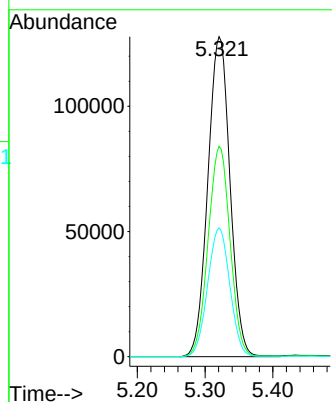
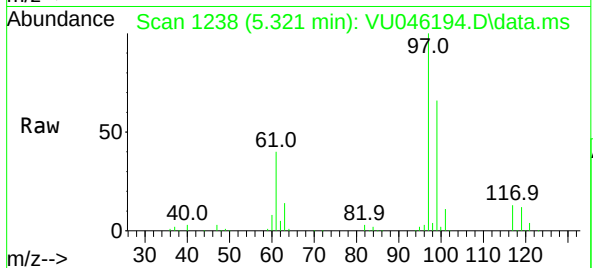
Tgt Ion: 97 Resp: 290681

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 40.3 34.4 51.6



#31

Carbon tetrachloride

Concen: 18.005 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046194.D

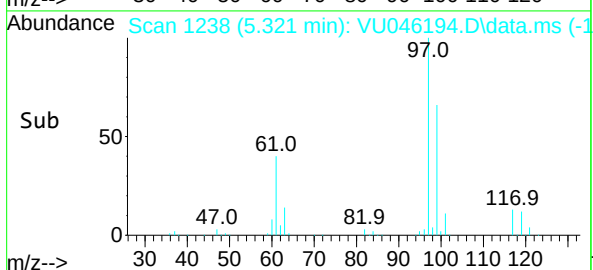
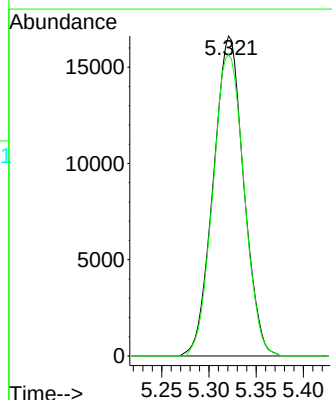
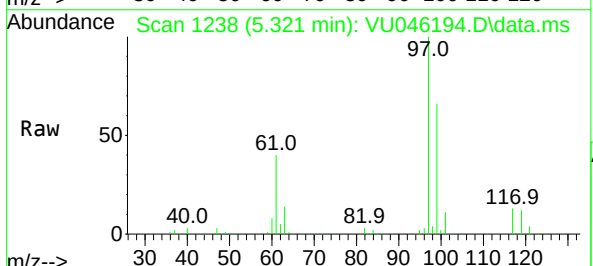
Acq: 08 Dec 2021 22:35

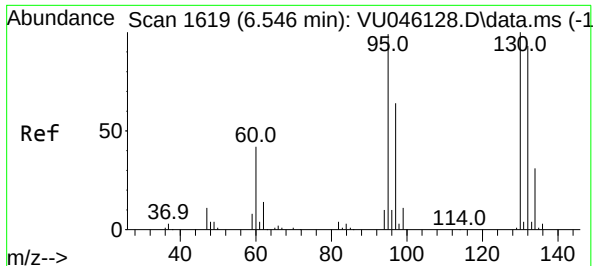
Tgt Ion: 117 Resp: 37152

Ion Ratio Lower Upper

117 100

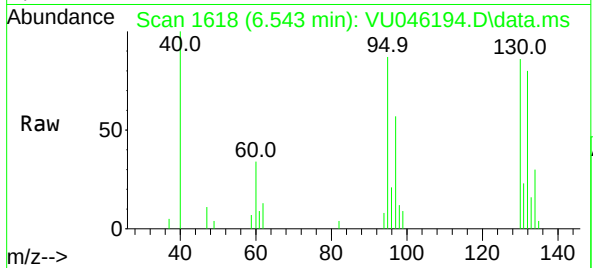
119 96.6 75.7 113.5



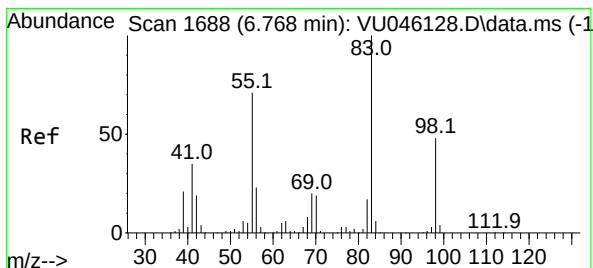
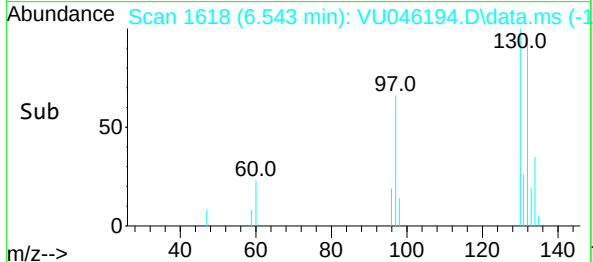
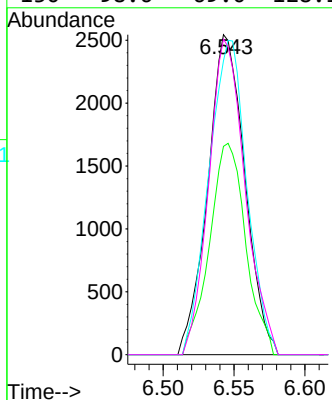


#34
Trichloroethene
Concen: 2.941 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046194.D
Acq: 08 Dec 2021 22:35

Instrument :
MSVOA_U
ClientSampleId :

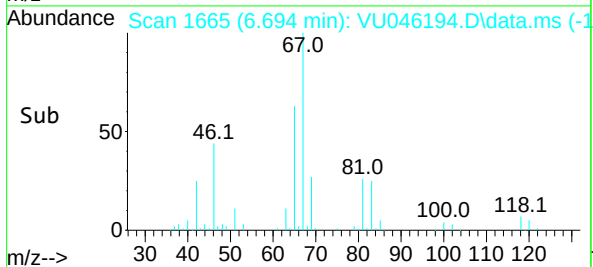
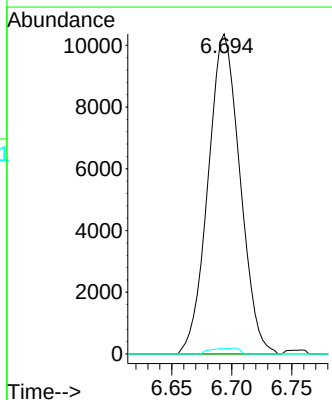
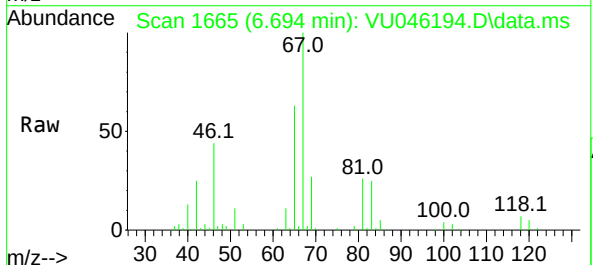


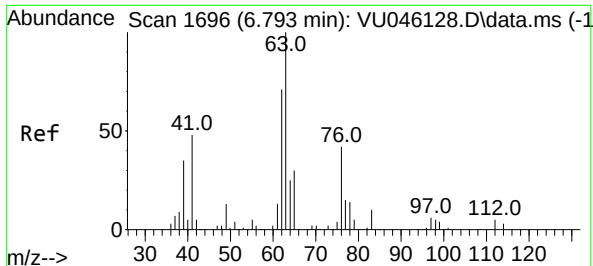
Tgt Ion: 95 Resp: 4644
Ion Ratio Lower Upper
95 100
97 65.1 44.1 81.9
132 91.9 66.8 124.0
130 98.6 69.0 128.1



#35
Methylcyclohexane
Concen: 7.848 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046194.D
Acq: 08 Dec 2021 22:35

Tgt Ion: 83 Resp: 19212
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.1 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.407 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046194.D

Acq: 08 Dec 2021 22:35

Instrument :

MSVOA_U

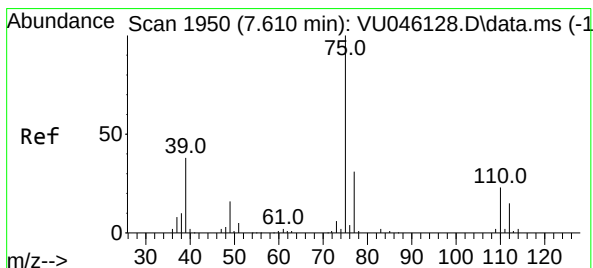
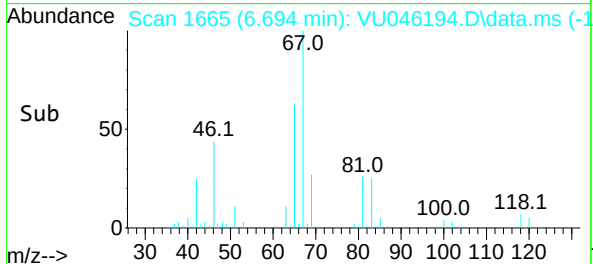
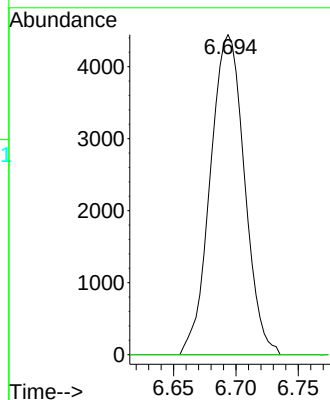
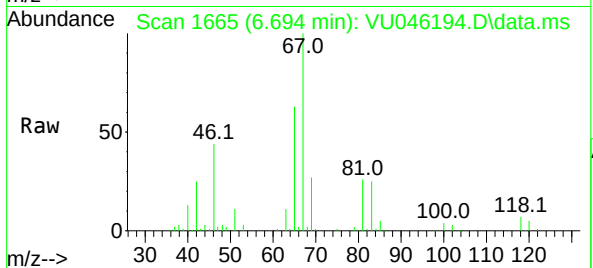
ClientSampleId :

Tgt Ion: 63 Resp: 8489

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.955 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046194.D

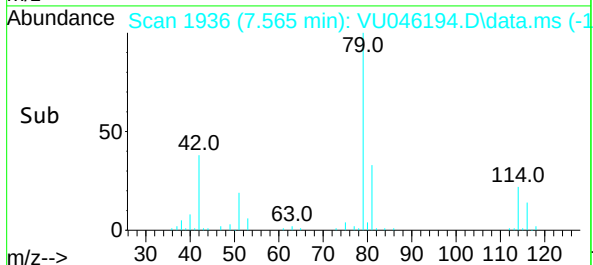
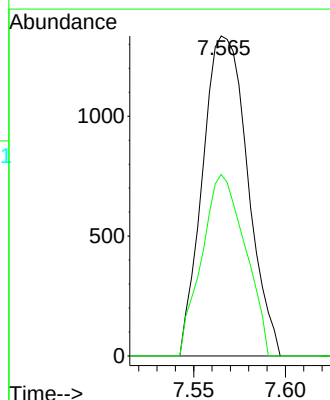
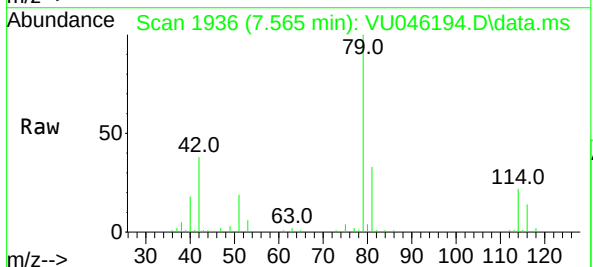
Acq: 08 Dec 2021 22:35

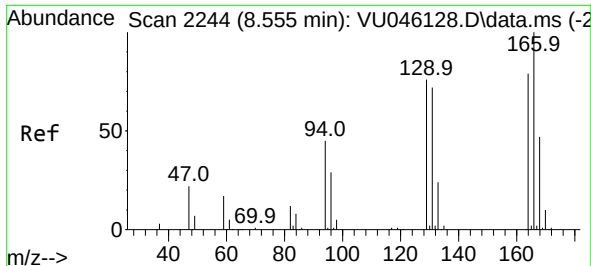
Tgt Ion: 75 Resp: 2280

Ion Ratio Lower Upper

75 100

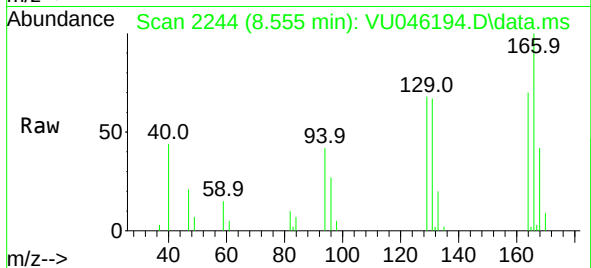
77 56.7 21.8 40.6#



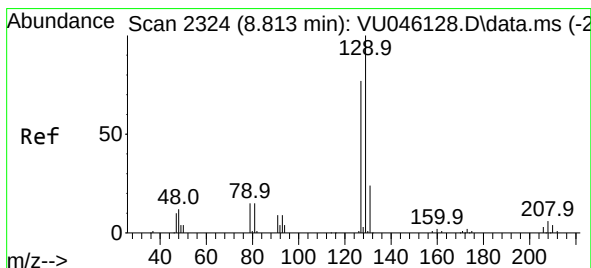
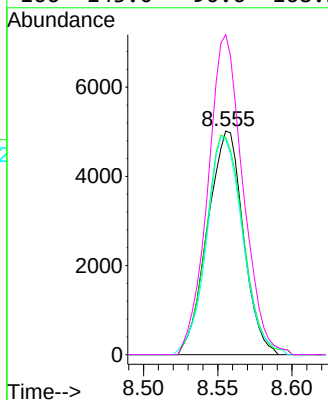
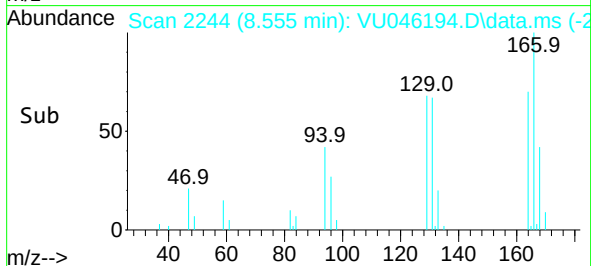


#46
Tetrachloroethene
Concen: 7.243 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046194.D
Acq: 08 Dec 2021 22:35

Instrument :
MSVOA_U
ClientSampleId :

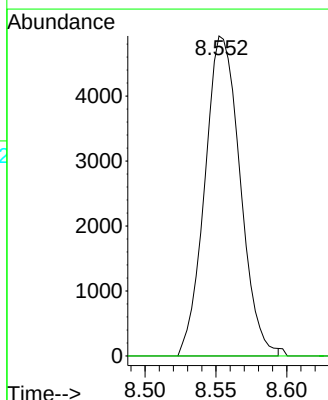
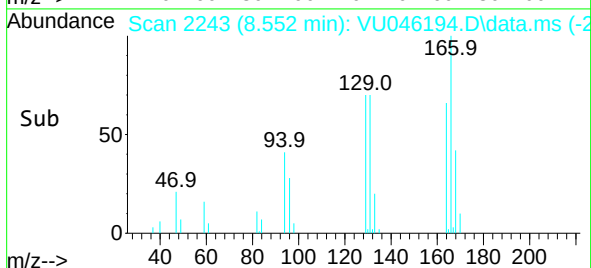
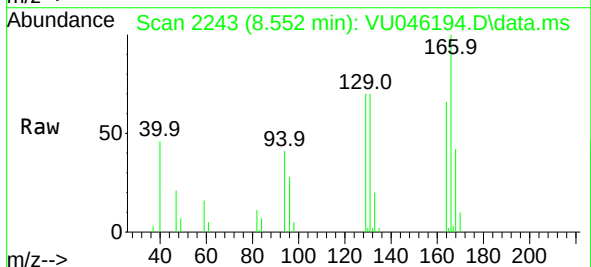


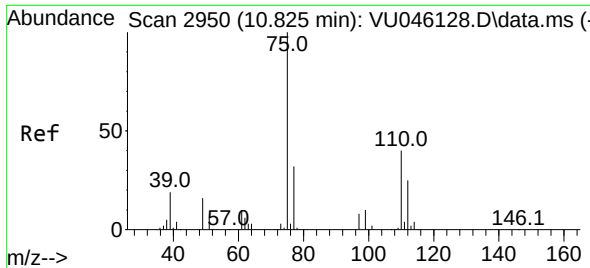
Tgt Ion:164 Resp: 8404
Ion Ratio Lower Upper
164 100
129 97.1 71.1 132.1
131 96.0 67.8 126.0
166 143.0 90.6 168.2



#49
Dibromochloromethane
Concen: 5.160 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU046194.D
Acq: 08 Dec 2021 22:35

Tgt Ion:129 Resp: 8535
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#

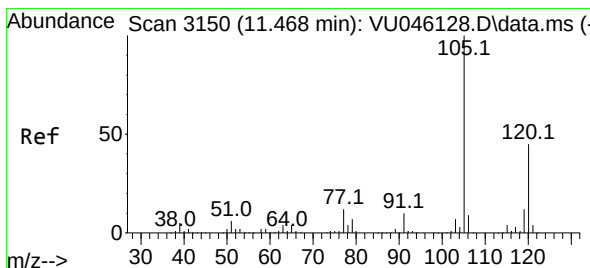
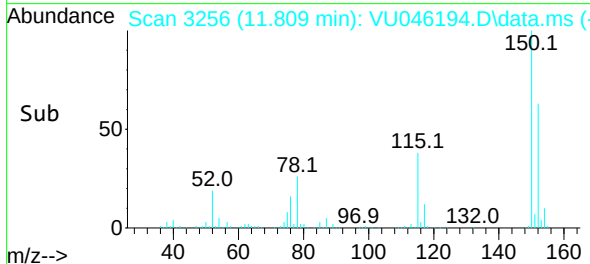
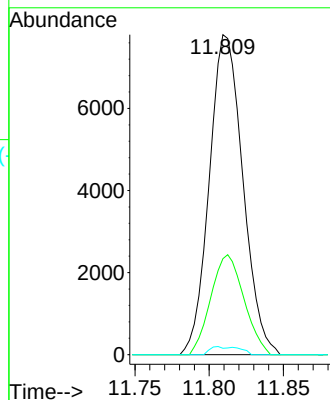
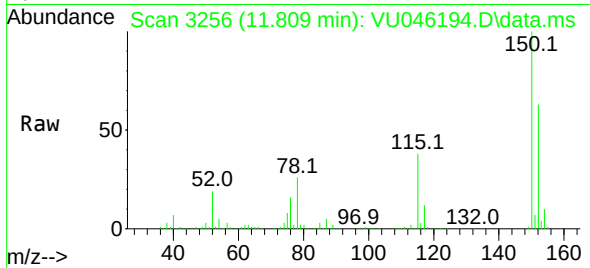




#60
 1,2,3-Trichloropropane
 Concen: 5.213 ug/L
 RT: 11.809 min Scan# 3150
 Delta R.T. 0.984 min
 Lab File: VU046194.D
 Acq: 08 Dec 2021 22:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 12241
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.4 39.6
 110 1.2 32.4 48.6#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.993 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046194.D
 Acq: 08 Dec 2021 22:35

Tgt Ion: 105 Resp: 5772
 Ion Ratio Lower Upper
 105 100
 120 41.5 35.2 52.8

