

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121521\
 Data File : VW021394.D
 Acq On : 15 Dec 2021 17:06
 Operator : SY/VA
 Sample : M5101-11
 Misc : 5.56g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 01:00:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 16 00:57:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	61744	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	62558	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	33263	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	21409	19.038	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.160%
7) Chloroethane-d5	2.879	69	18093	24.338	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.360%
11) 1,1-Dichloroethene-d2	4.013	63	26181	17.463	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.840%
21) 2-Butanone-d5	7.074	46	11756	74.164	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.320%#
24) Chloroform-d	7.647	84	43859	25.490	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.960%
26) 1,2-Dichloroethane-d4	8.305	65	25943	28.345	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.360%
32) Benzene-d6	8.275	84	82278	23.995	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.960%
36) 1,2-Dichloropropane-d6	9.274	67	24053	26.155	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.640%
41) Toluene-d8	10.323	98	76701	21.892	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.560%
43) trans-1,3-Dichloroprop...	10.579	79	9063	21.403	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.600%
47) 2-Hexanone-d5	10.920	63	9542	70.168	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.340%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	22502	28.464	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.840%
66) 1,2-Dichlorobenzene-d4	13.847	152	30732	23.839	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.360%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.037	96	2694	3.520	ug/L	# 14
13) Acetone	4.123	43	948	6.671	ug/L	92
14) Carbon disulfide	4.373	76	1988	1.006	ug/L	98
19) 1,1-Dichloroethane	6.220	63	17938	13.795	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	568	0.650	ug/L	# 64
30) 1,1,1-Trichloroethane	7.872	97	144725	103.108	ug/L	94
31) Carbon tetrachloride	7.866	117	18994	14.669	ug/L	97
34) Trichloroethene	9.091	95	19000	19.861	ug/L	97
35) Methylcyclohexane	9.274	83	6581	4.170	ug/L	# 14
37) 1,2-Dichloropropane	9.274	63	3086	4.060	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	756	0.631	ug/L	# 76
45) 1,1,2-Trichloroethane	10.786	97	344	0.553	ug/L	81
46) Tetrachloroethene	10.859	164	223010	245.398	ug/L	97
48) 2-Hexanone	10.920	43	1230	4.095	ug/L	# 68
49) Dibromochloromethane	10.859	129	187842	244.906	ug/L	# 10
61) 1,2,3-Trichloropropane	13.554	75	3762	7.771	ug/L	# 66

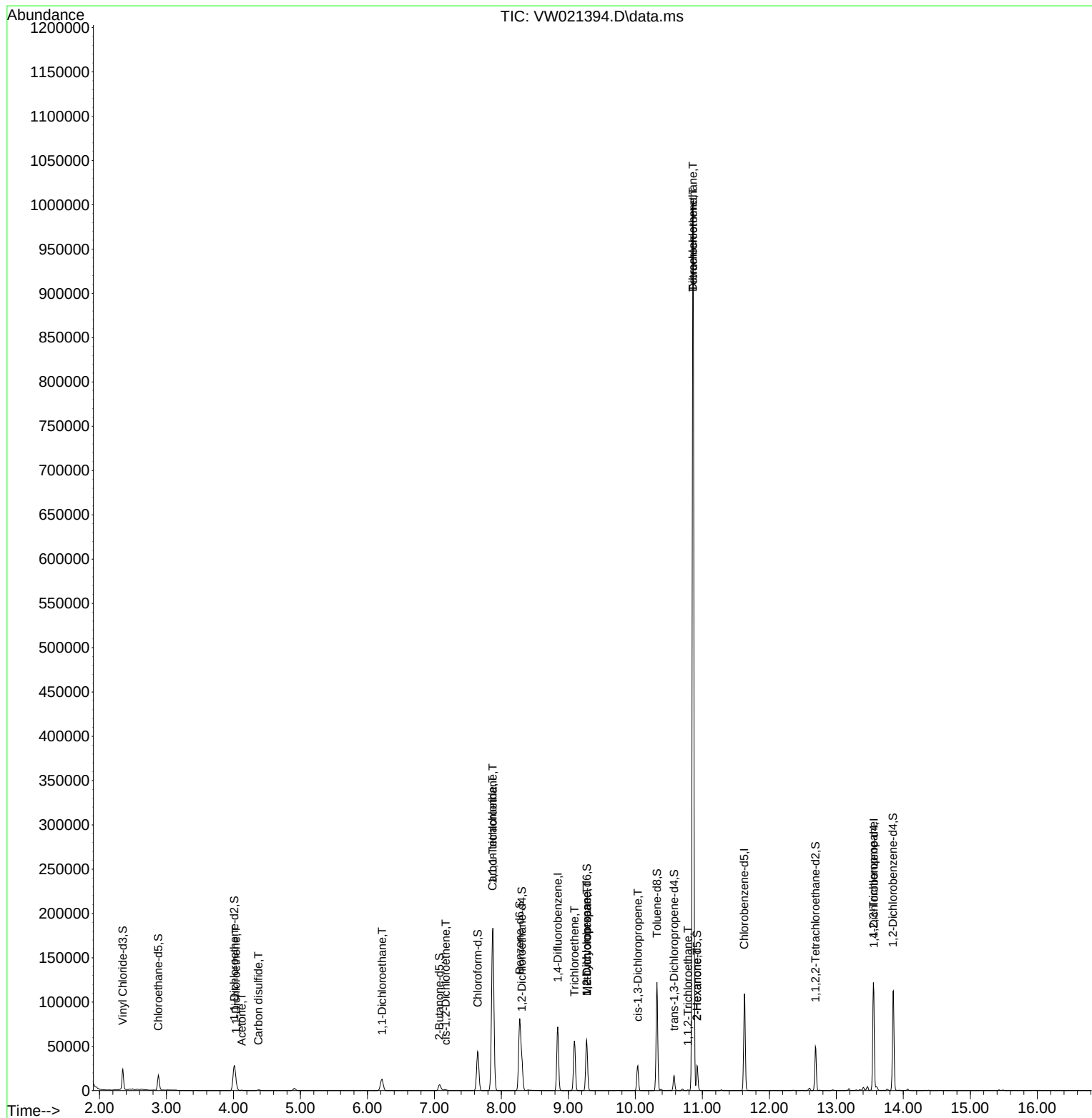
(#) = qualifier out of range (m) = manual integration (+) = signals summed

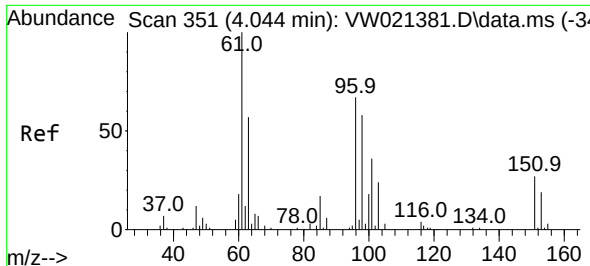
Instrument :
MSVOA_W
ClientSampleId :

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Quant Time: Dec 16 01:00:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 16 00:57:02 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 3.520 ug/L

RT: 4.037 min Scan# 351

Delta R.T. -0.006 min

Lab File: VW021394.D

Acq: 15 Dec 2021 17:06

Instrument :

MSVOA_W

ClientSampleId :

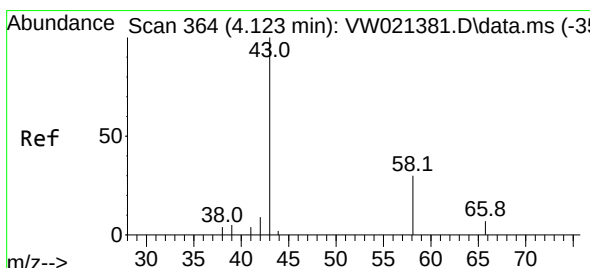
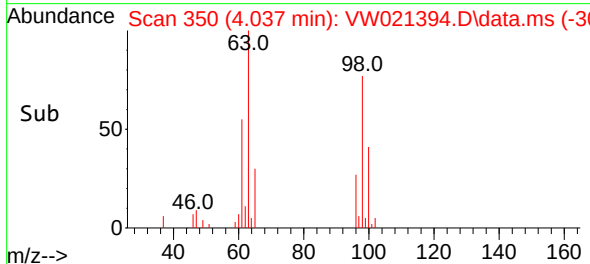
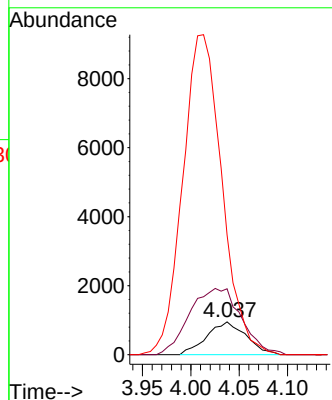
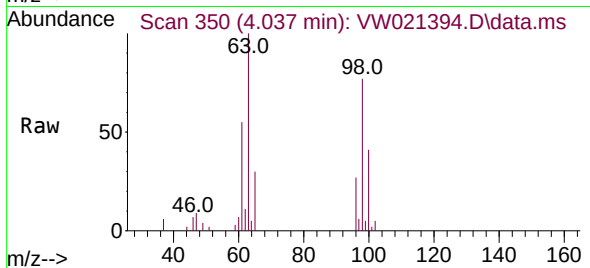
Tgt Ion: 96 Resp: 2694

Ion Ratio Lower Upper

96 100

61 201.4 138.3 256.9

63 365.2 82.6 153.4#



#13

Acetone

Concen: 6.671 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.000 min

Lab File: VW021394.D

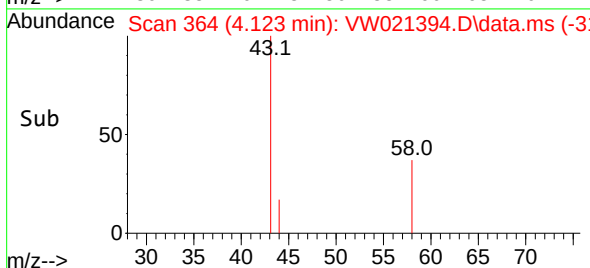
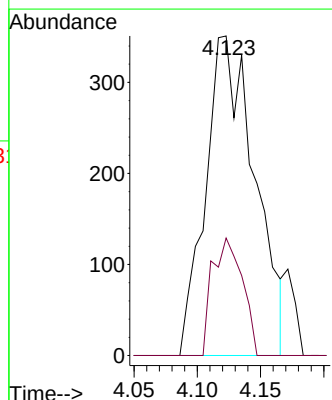
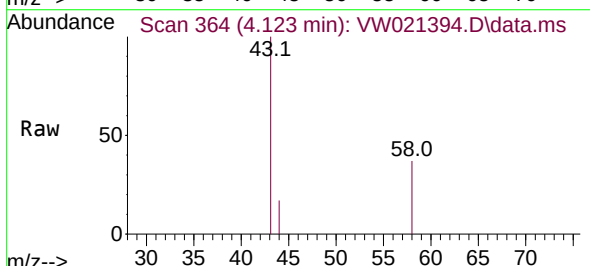
Acq: 15 Dec 2021 17:06

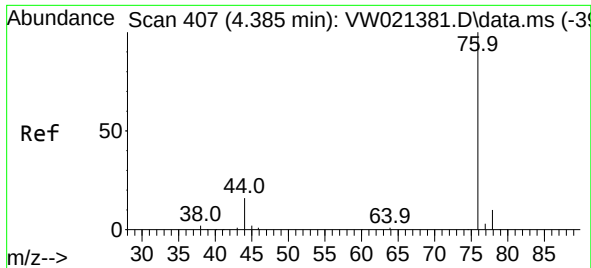
Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

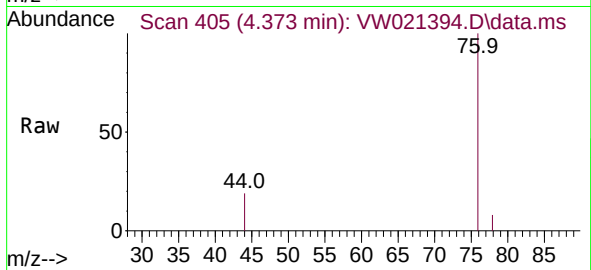
58 22.5 0.0 52.8



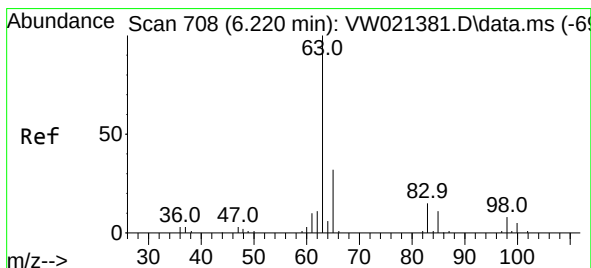
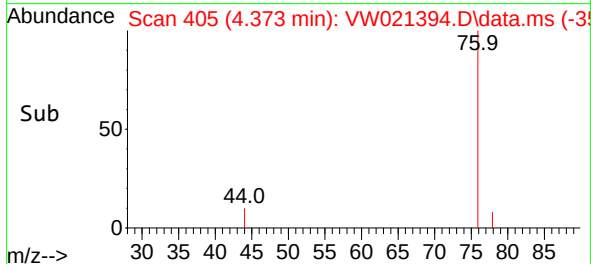
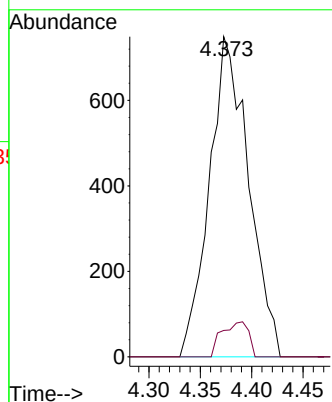


#14
Carbon disulfide
Concen: 1.006 ug/L
RT: 4.373 min Scan# 407
Delta R.T. -0.012 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

Instrument :
MSVOA_W
ClientSampleId :

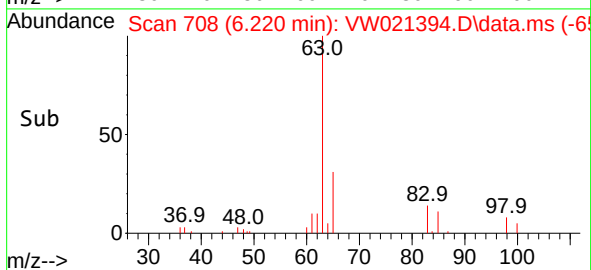
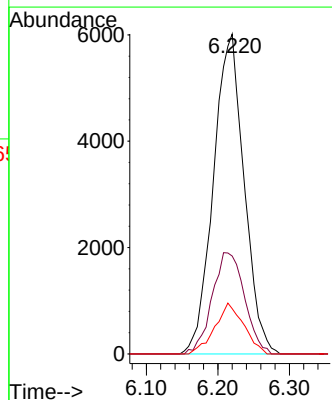
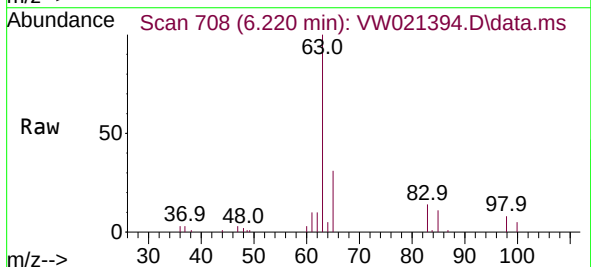


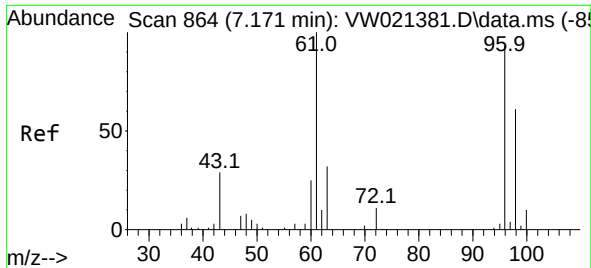
Tgt Ion: 76 Resp: 1988
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#19
1,1-Dichloroethane
Concen: 13.795 ug/L
RT: 6.220 min Scan# 708
Delta R.T. -0.000 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

Tgt Ion: 63 Resp: 17938
Ion Ratio Lower Upper
63 100
65 30.6 22.1 41.1
83 14.1 9.2 17.2

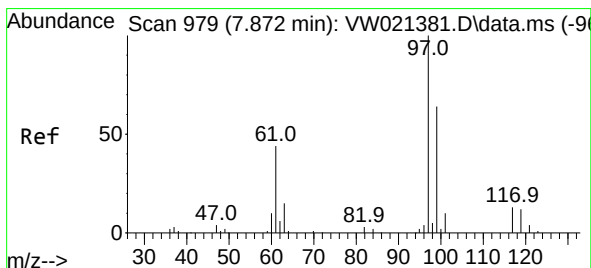
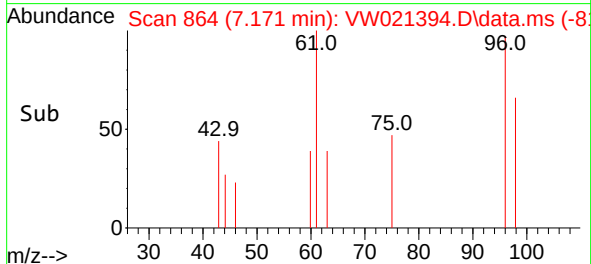
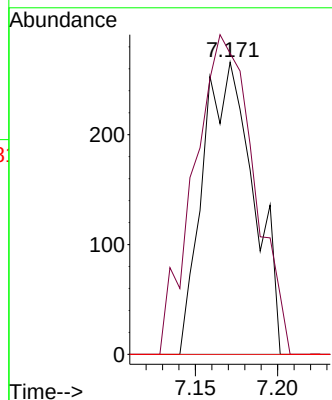
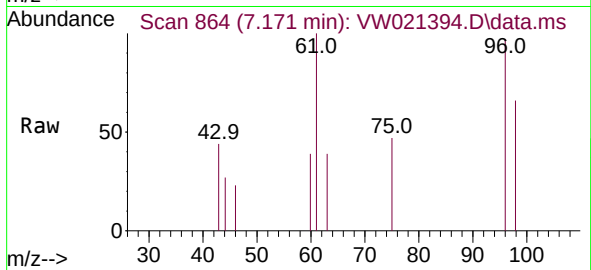




#20
 cis-1,2-Dichloroethene
 Concen: 0.650 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW021394.D
 Acq: 15 Dec 2021 17:06

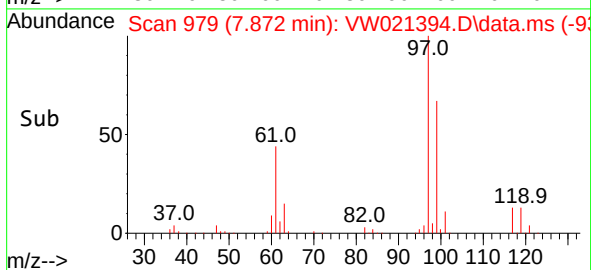
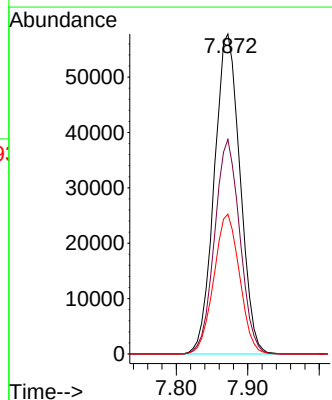
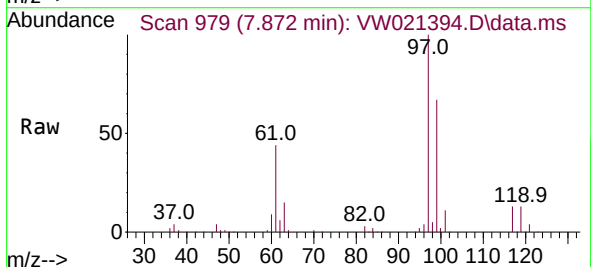
Instrument :
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 ClientSampleId :

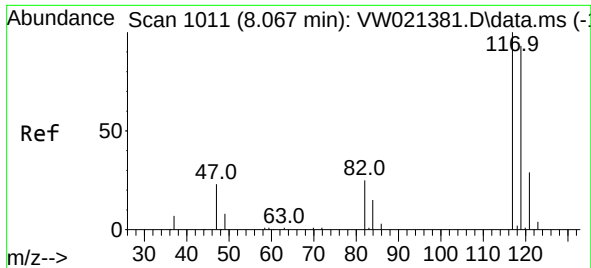
Tgt Ion: 96 Resp: 568
 Ion Ratio Lower Upper
 96 100
 61 103.0 103.7 192.7#
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 103.108 ug/L
 RT: 7.872 min Scan# 979
 Delta R.T. -0.000 min
 Lab File: VW021394.D
 Acq: 15 Dec 2021 17:06

Tgt Ion: 97 Resp: 144725
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.6 77.4
 61 43.6 40.9 61.3

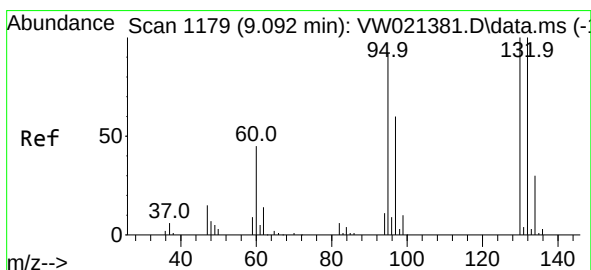
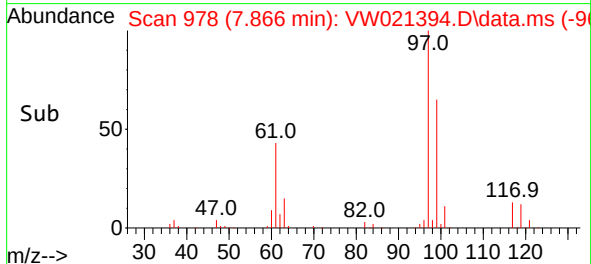
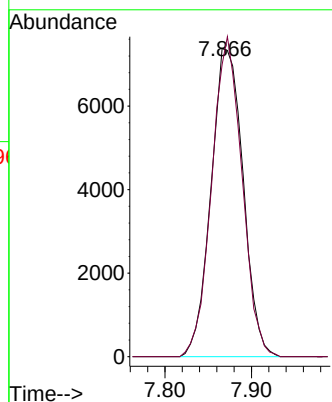
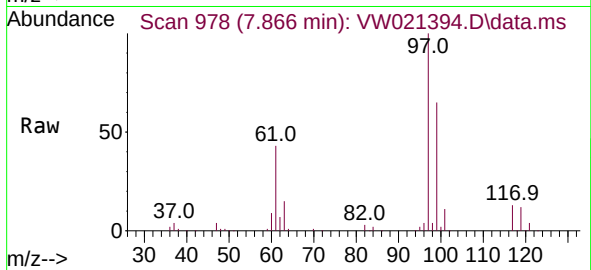




#31
Carbon tetrachloride
Concen: 14.669 ug/L
RT: 7.866 min Scan# 91
Delta R.T. -0.201 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

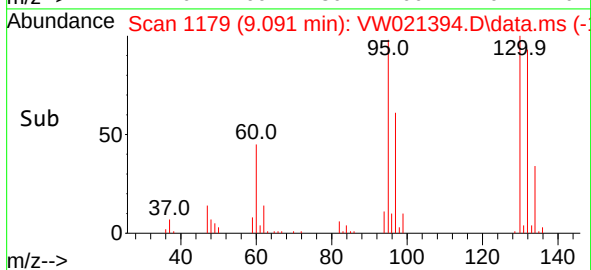
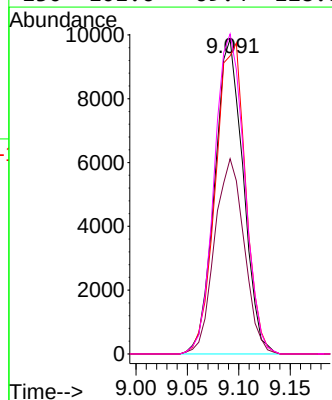
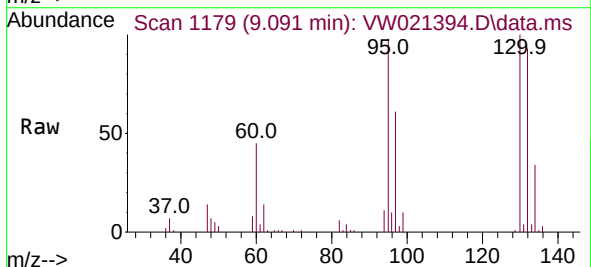
Instrument :
MSVOA_W
ClientSampleId :

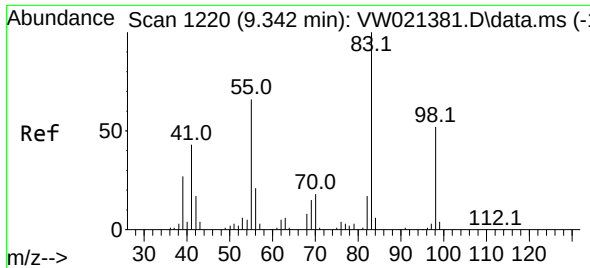
Tgt Ion:117 Resp: 18994
Ion Ratio Lower Upper
117 100
119 97.8 75.7 113.5



#34
Trichloroethene
Concen: 19.861 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

Tgt Ion: 95 Resp: 19000
Ion Ratio Lower Upper
95 100
97 62.0 47.0 87.2
132 94.6 65.5 121.6
130 101.6 69.4 128.8





#35

Methylcyclohexane

Concen: 4.170 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.067 min

Lab File: VW021394.D

Acq: 15 Dec 2021 17:06

Instrument :

MSVOA_W

ClientSampleId :

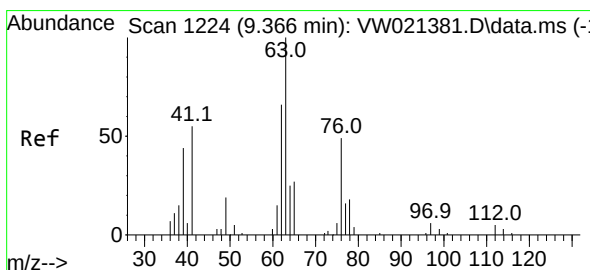
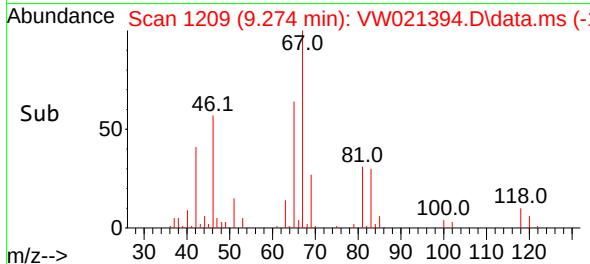
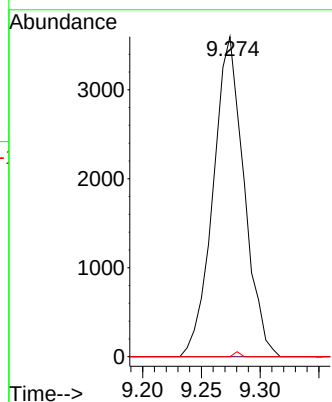
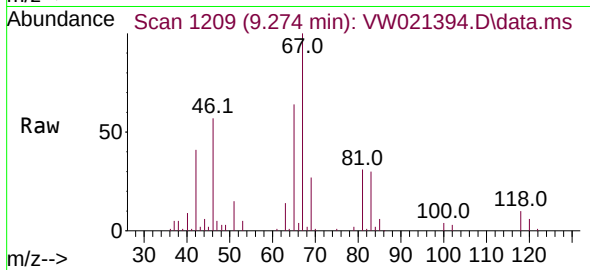
Tgt Ion: 83 Resp: 6581

Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 0.0 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 4.060 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.092 min

Lab File: VW021394.D

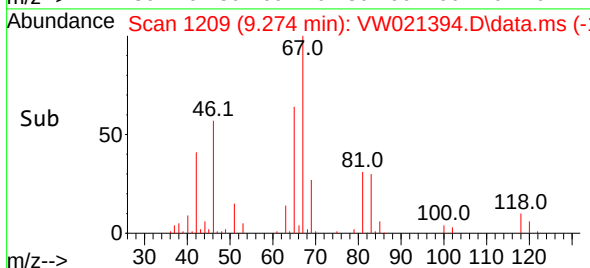
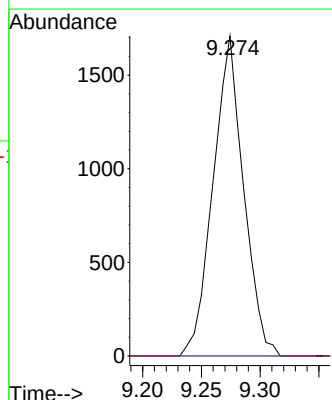
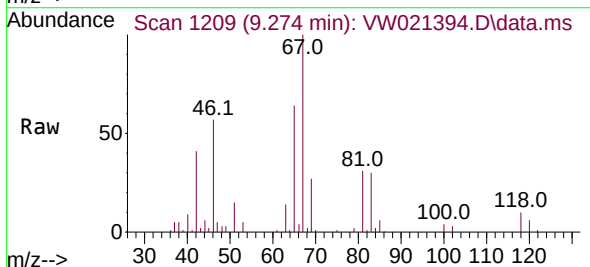
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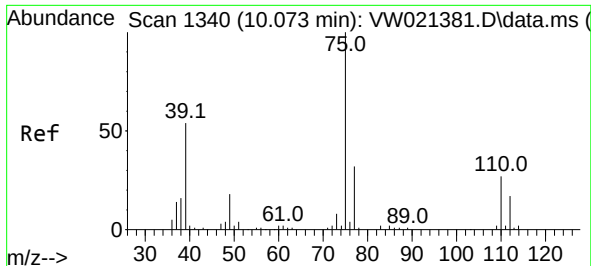
Tgt Ion: 63 Resp: 3086

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.631 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021394.D

Acq: 15 Dec 2021 17:06

Instrument :

MSVOA_W

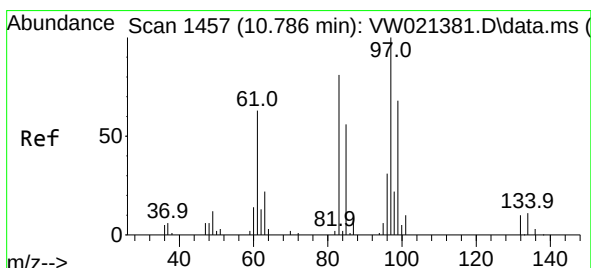
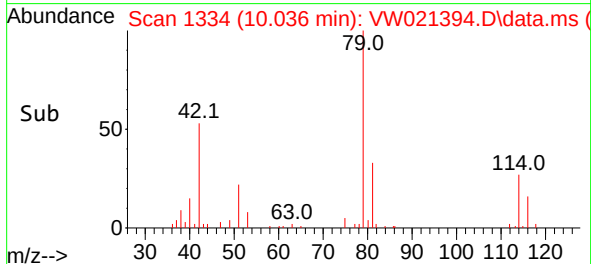
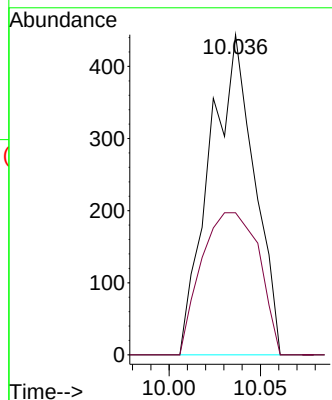
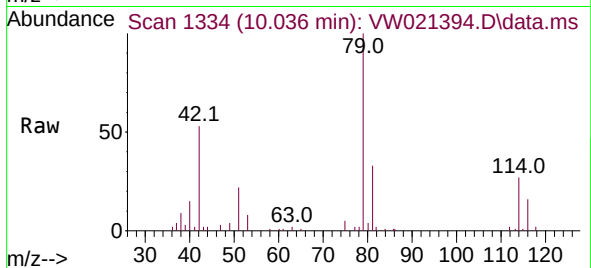
ClientSampleId :

Tgt Ion: 75 Resp: 756

Ion Ratio Lower Upper

75 100

77 44.4 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.553 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021394.D

Acq: 15 Dec 2021 17:06

Tgt Ion: 97 Resp: 344

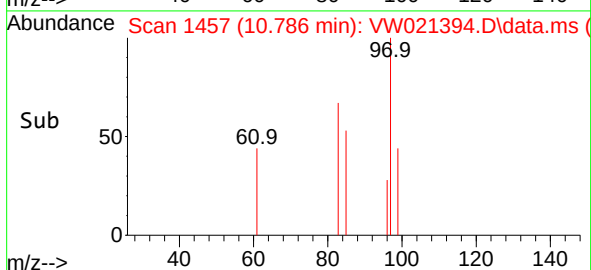
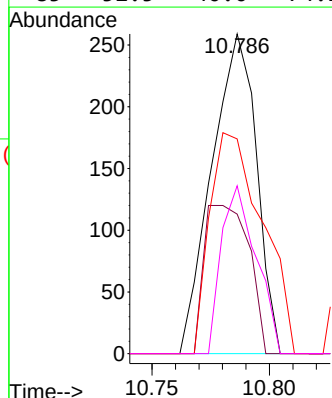
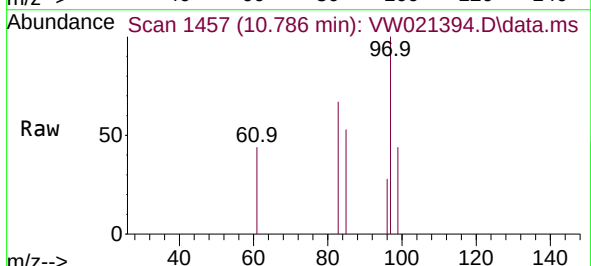
Ion Ratio Lower Upper

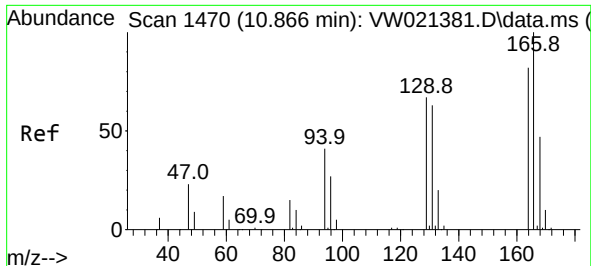
97 100

99 43.6 43.0 79.8

83 67.2 62.6 116.3

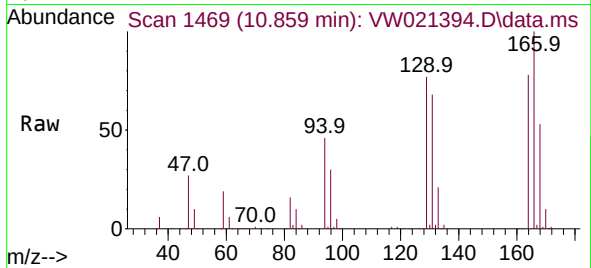
85 52.5 40.0 74.2



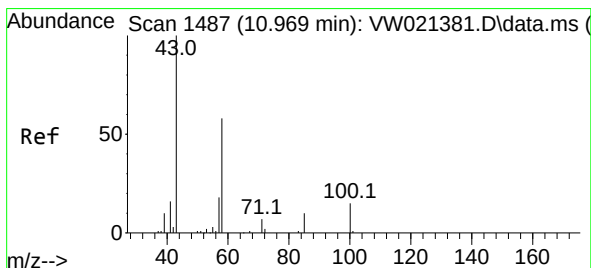
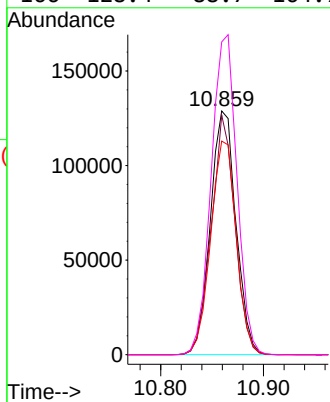
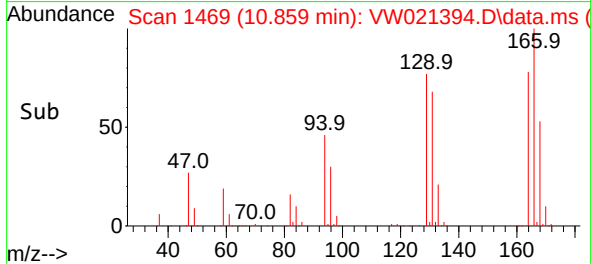


#46
Tetrachloroethene
Concen: 245.398 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

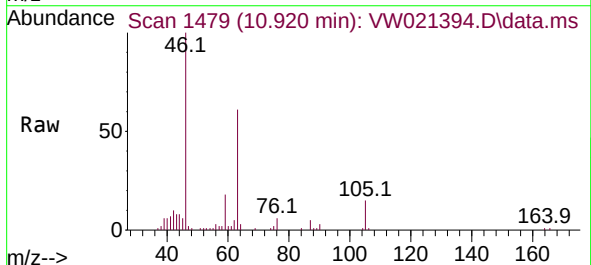
Instrument :
MSVOA_W
ClientSampleId :



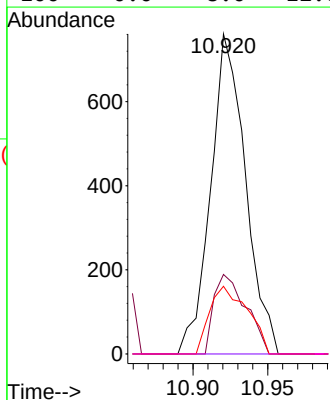
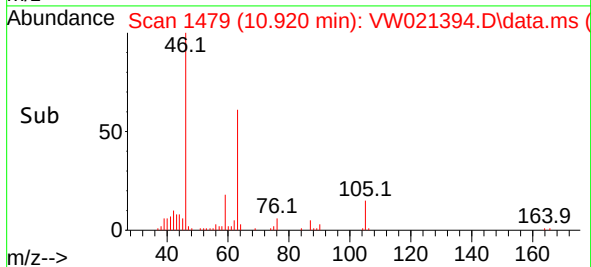
Tgt Ion:164 Resp: 223010
Ion Ratio Lower Upper
164 100
129 98.3 65.5 121.7
131 87.7 59.7 110.9
166 128.4 88.7 164.7

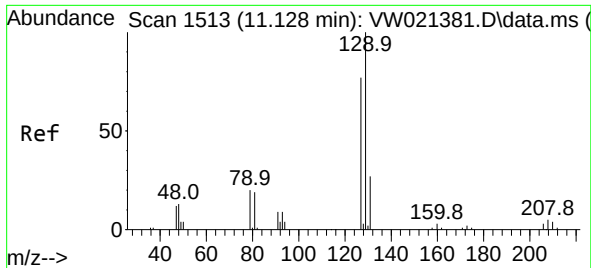


#48
2-Hexanone
Concen: 4.095 ug/L
RT: 10.920 min Scan# 1479
Delta R.T. -0.049 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06



Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
58 22.9 40.2 60.2#
57 23.1 14.3 21.5#
100 0.0 8.0 12.0#

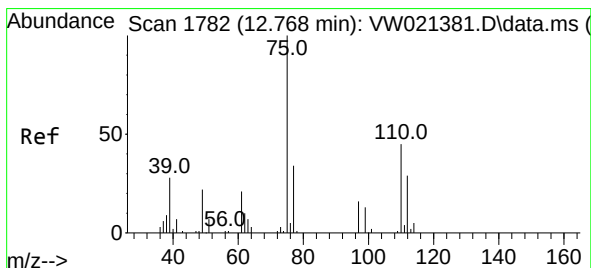
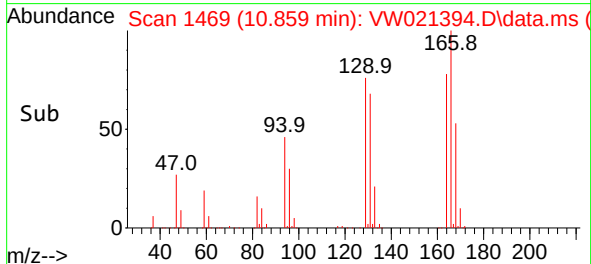
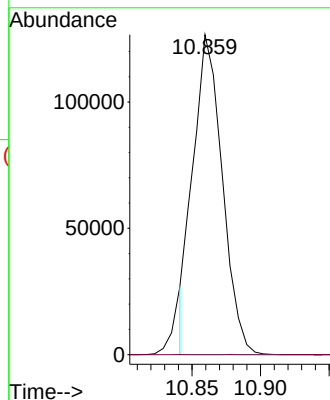
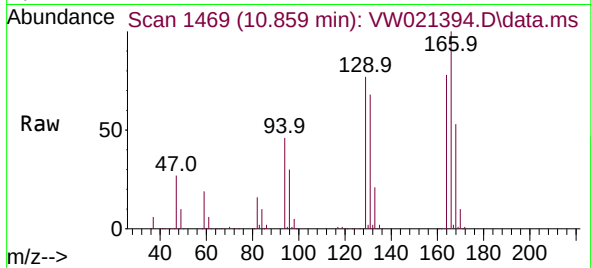




#49
Dibromochloromethane
Concen: 244.906 ug/L
RT: 10.859 min Scan# 14
Delta R.T. -0.268 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:129 Resp: 187842
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#



#61
1,2,3-Trichloropropane
Concen: 7.771 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW021394.D
Acq: 15 Dec 2021 17:06

Tgt Ion: 75 Resp: 3762
Ion Ratio Lower Upper
75 100
77 36.8 25.8 38.8
110 3.0 29.0 43.4#

