

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121621\
 Data File : VW021410.D
 Acq On : 16 Dec 2021 12:49
 Operator : SY/VA
 Sample : M5102-02
 Misc : 5.74g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 01:00:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 17 00:58:26 2021
 Response via : Initial Calibration

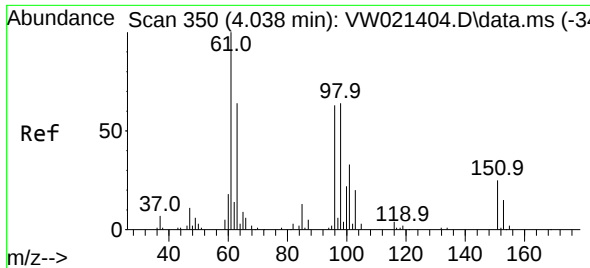
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	99632	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	95180	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	47974	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	31952	17.609	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.440%
7) Chloroethane-d5	2.873	69	25264	21.061	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.240%
11) 1,1-Dichloroethene-d2	4.013	63	37698	15.583	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.320%
21) 2-Butanone-d5	7.086	46	13847	54.136	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.280%
24) Chloroform-d	7.647	84	60097	21.645	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.560%
26) 1,2-Dichloroethane-d4	8.305	65	33099	22.411	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.640%
32) Benzene-d6	8.275	84	111632	21.397	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	9.268	67	31945	22.831	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.320%
41) Toluene-d8	10.323	98	107106	20.093	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.360%
43) trans-1,3-Dichloroprop...	10.573	79	12492	19.390	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.560%
47) 2-Hexanone-d5	10.920	63	12204	58.985	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.960%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	28106	23.367	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	13.847	152	35288	18.980	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.920%

Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.031	96	10748	8.703	ug/L	# 57
19) 1,1-Dichloroethane	6.214	63	12633	6.021	ug/L	97
20) cis-1,2-Dichloroethene	7.165	96	3360	2.382	ug/L	77
30) 1,1,1-Trichloroethane	7.866	97	26704	12.504	ug/L	95
31) Carbon tetrachloride	7.872	117	3478	1.765	ug/L	96
34) Trichloroethene	9.092	95	126187	86.697	ug/L	88
35) Methylcyclohexane	9.274	83	8678	3.614	ug/L	# 15
37) 1,2-Dichloropropane	9.268	63	4091	3.537	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	1212	0.665	ug/L	86
45) 1,1,2-Trichloroethane	10.860	97	8021	8.473	ug/L	# 12
46) Tetrachloroethene	10.866	164	888753	642.784	ug/L	97
48) 2-Hexanone	10.927	43	1635	3.578	ug/L	# 73
54) o-Xylene	12.164	106	1390	0.524	ug/L	97
61) 1,2,3-Trichloropropane	13.554	75	5504	7.883	ug/L	# 65
71) Naphthalene	15.365	128	3247	1.081	ug/L	# 93

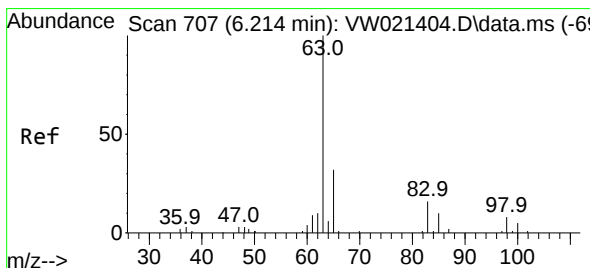
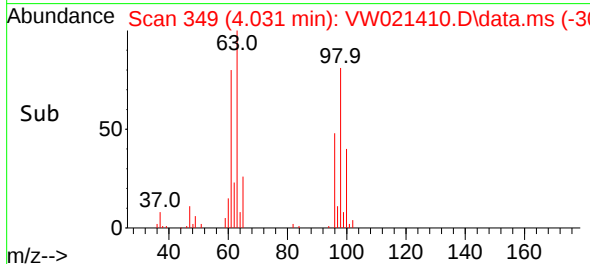
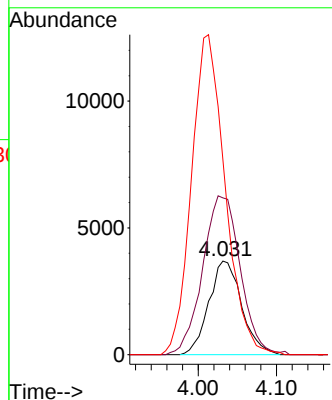
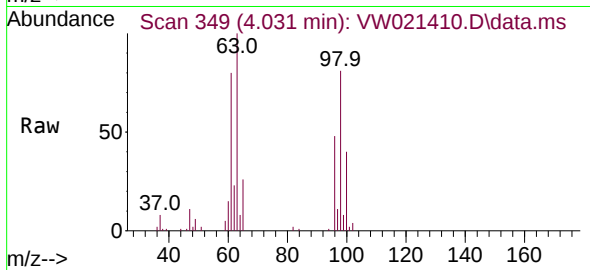
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12
 1,1-Dichloroethene
 Concen: 8.703 ug/L
 RT: 4.031 min Scan# 349
 Delta R.T. -0.006 min
 Lab File: VW021410.D
 Acq: 16 Dec 2021 12:49

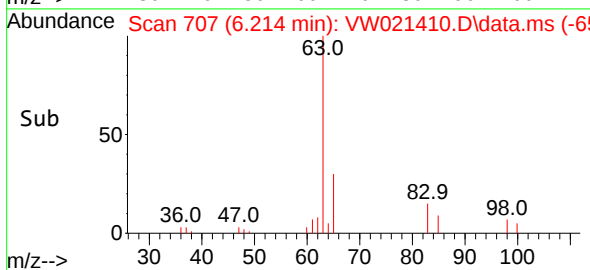
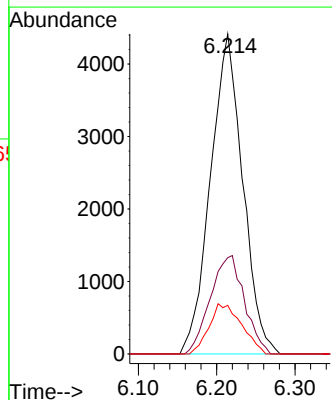
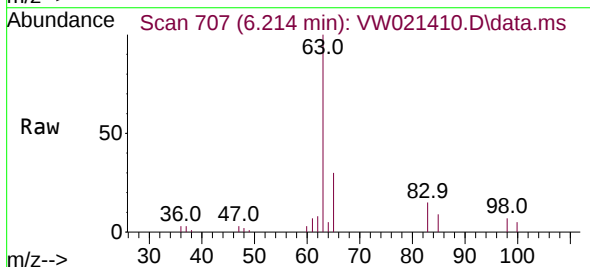
Instrument :
 MSVOA_W
 ClientSampleId :

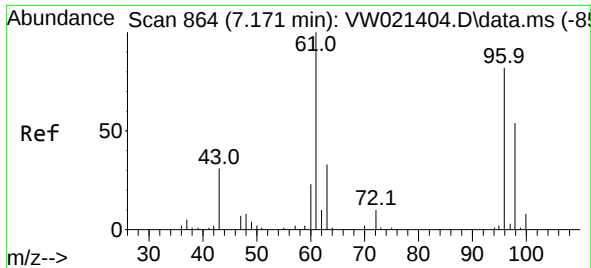
Tgt Ion: 96 Resp: 10748
 Ion Ratio Lower Upper
 96 100
 61 167.6 138.3 256.9
 63 208.2 82.6 153.4#



#19
 1,1-Dichloroethane
 Concen: 6.021 ug/L
 RT: 6.214 min Scan# 707
 Delta R.T. -0.000 min
 Lab File: VW021410.D
 Acq: 16 Dec 2021 12:49

Tgt Ion: 63 Resp: 12633
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.1 41.1
 83 15.2 9.2 17.2

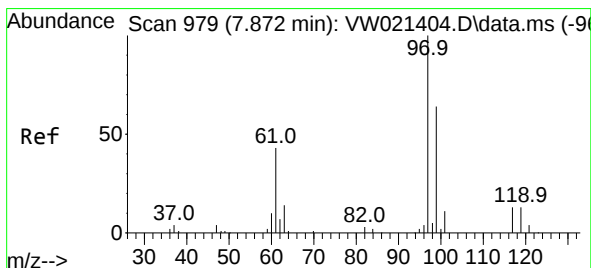
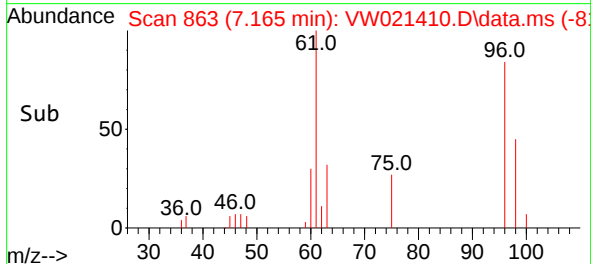
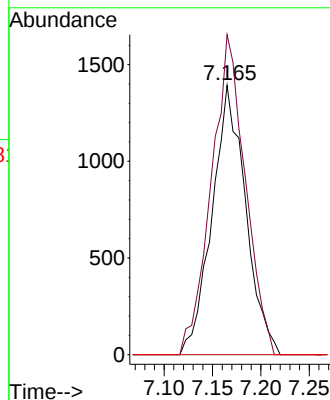
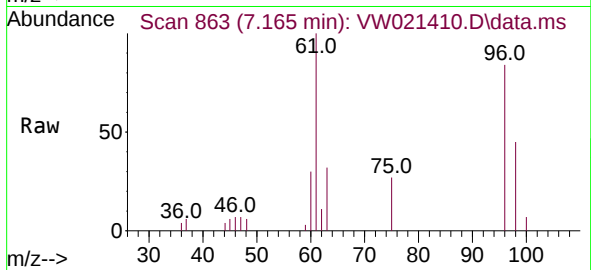




#20
 cis-1,2-Dichloroethene
 Concen: 2.382 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW021410.D
 Acq: 16 Dec 2021 12:49

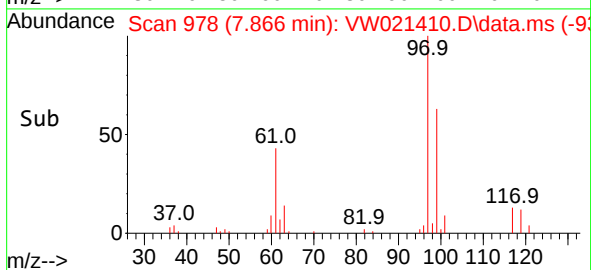
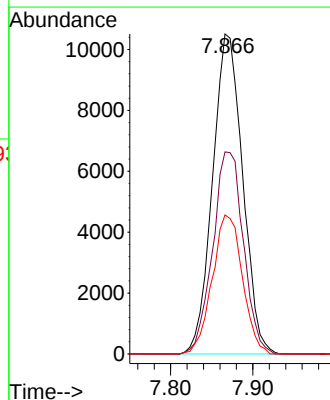
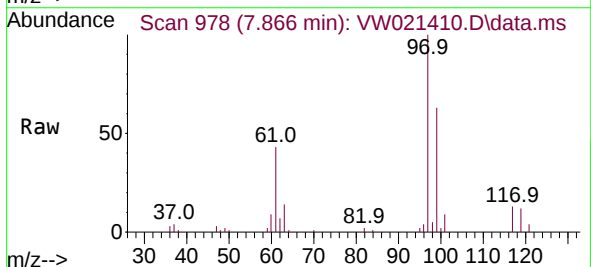
Instrument :
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 ClientSampleId :

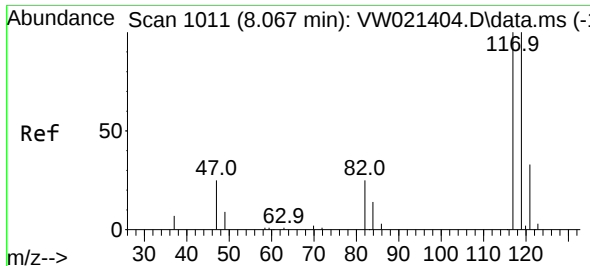
Tgt Ion: 96 Resp: 3360
 Ion Ratio Lower Upper
 96 100
 61 118.8 103.7 192.7
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 12.504 ug/L
 RT: 7.866 min Scan# 978
 Delta R.T. -0.006 min
 Lab File: VW021410.D
 Acq: 16 Dec 2021 12:49

Tgt Ion: 97 Resp: 26704
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.6 77.4
 61 43.5 40.9 61.3

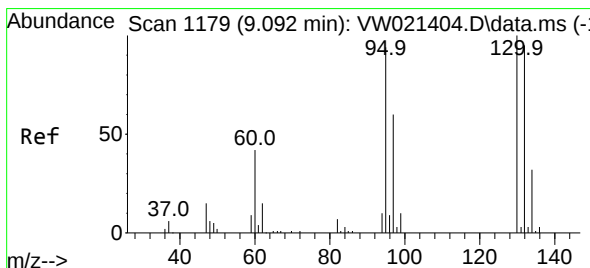
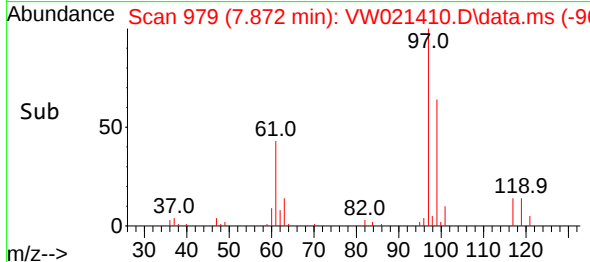
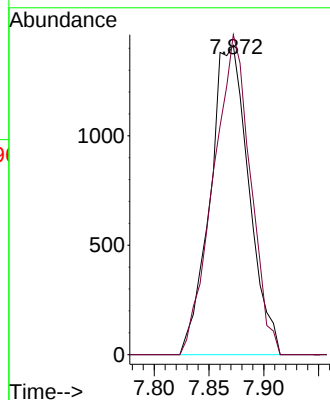
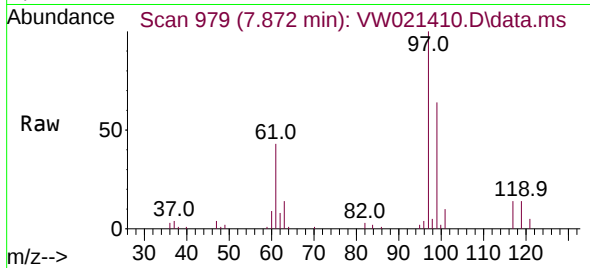




#31
Carbon tetrachloride
Concen: 1.765 ug/L
RT: 7.872 min Scan# 91
Delta R.T. -0.195 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

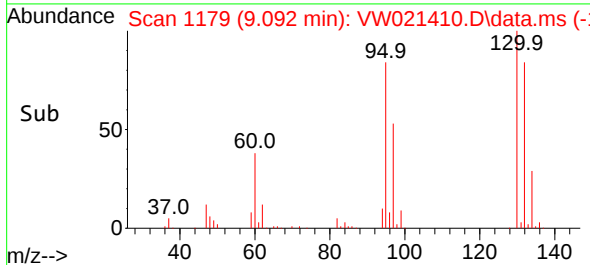
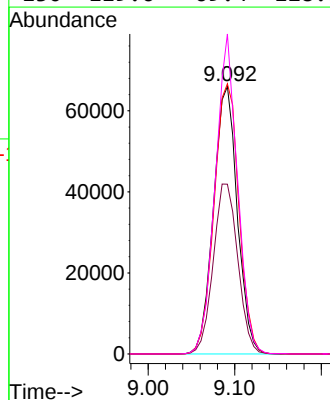
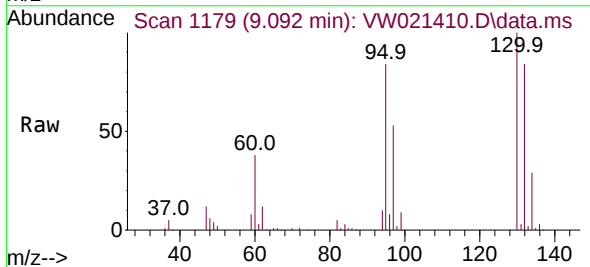
Instrument :
MSVOA_W
ClientSampleId :

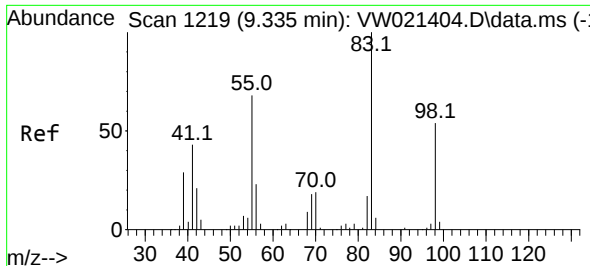
Tgt Ion:117 Resp: 3478
Ion Ratio Lower Upper
117 100
119 98.8 75.7 113.5



#34
Trichloroethene
Concen: 86.697 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

Tgt Ion: 95 Resp: 126187
Ion Ratio Lower Upper
95 100
97 63.5 47.0 87.2
132 101.0 65.5 121.6
130 119.6 69.4 128.8

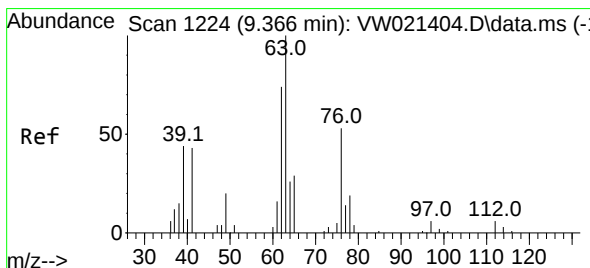
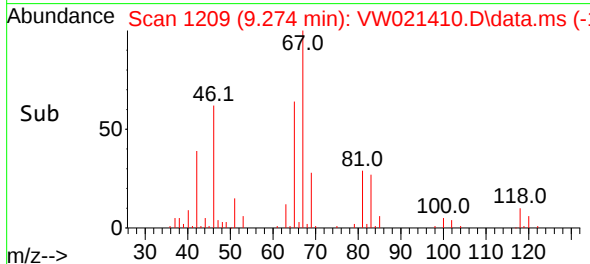
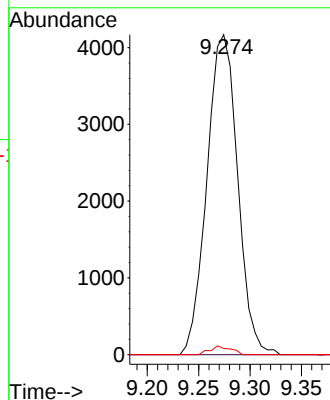
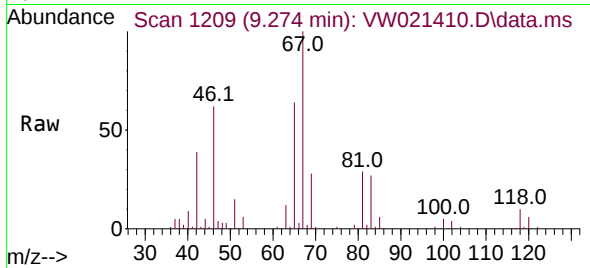




#35
Methylcyclohexane
Concen: 3.614 ug/L
RT: 9.274 min Scan# 11
Delta R.T. -0.061 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

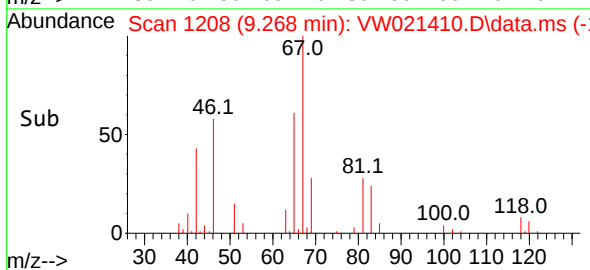
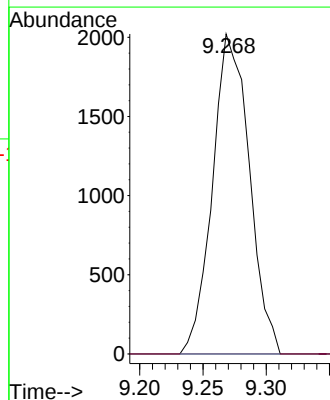
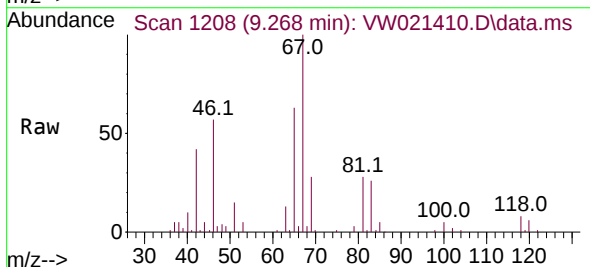
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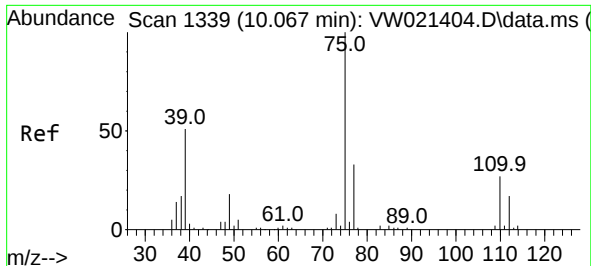
Tgt Ion: 83 Resp: 8678
Ion Ratio Lower Upper
83 100
55 0.0 70.8 106.2#
98 1.8 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 3.537 ug/L
RT: 9.268 min Scan# 1208
Delta R.T. -0.098 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

Tgt Ion: 63 Resp: 4091
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.665 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.031 min

Lab File: VW021410.D

Acq: 16 Dec 2021 12:49

Instrument :

MSVOA_W

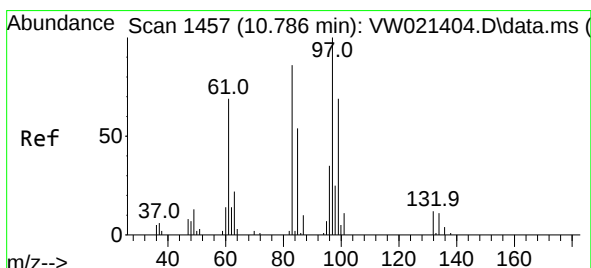
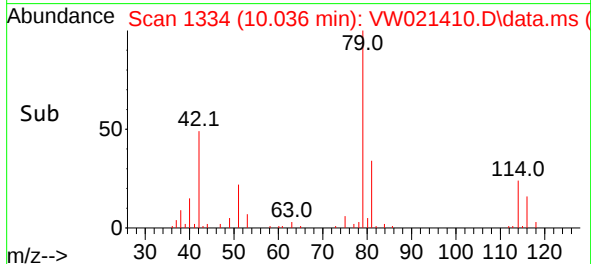
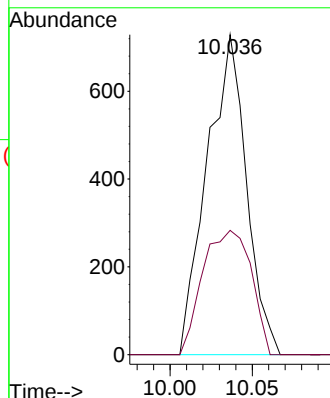
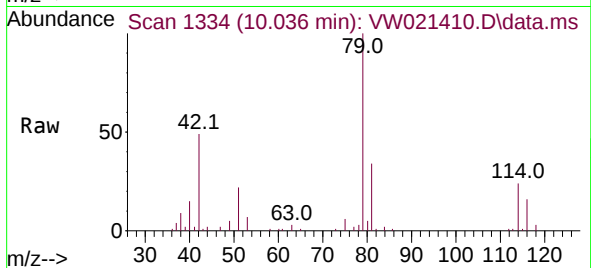
ClientSampleId :

Tgt Ion: 75 Resp: 1212

Ion Ratio Lower Upper

75 100

77 38.8 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 8.473 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.073 min

Lab File: VW021410.D

Acq: 16 Dec 2021 12:49

Tgt Ion: 97 Resp: 8021

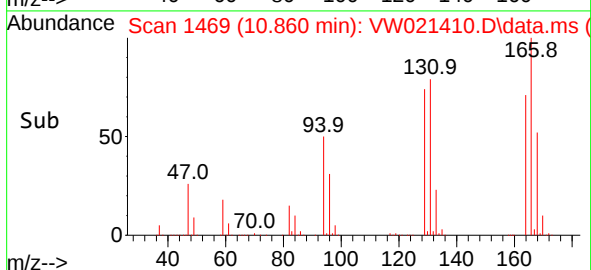
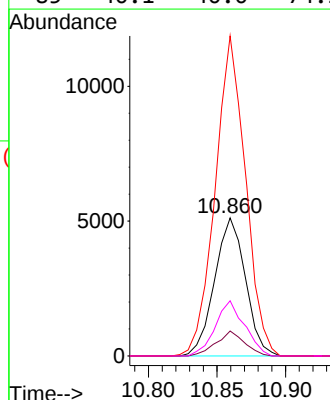
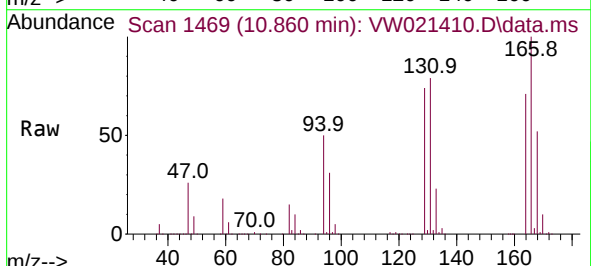
Ion Ratio Lower Upper

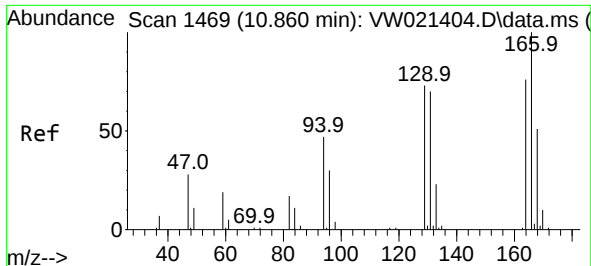
97 100

99 18.1 43.0 79.8#

83 231.9 62.6 116.3#

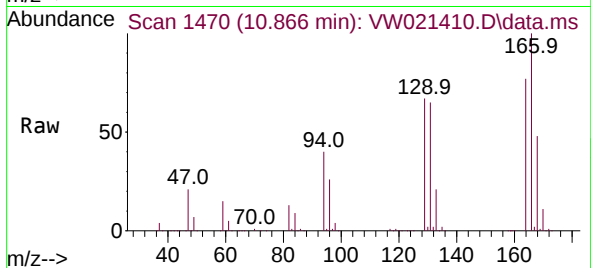
85 40.1 40.0 74.2



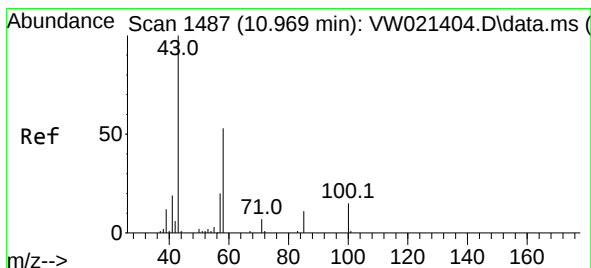
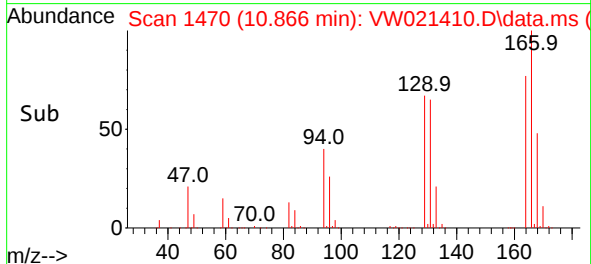
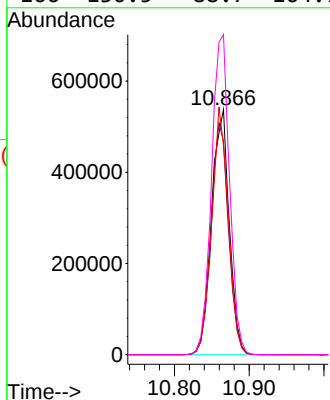


#46
Tetrachloroethene
Concen: 642.784 ug/L
RT: 10.866 min Scan# 1469
Delta R.T. 0.006 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

Instrument :
MSVOA_W
ClientSampleId :

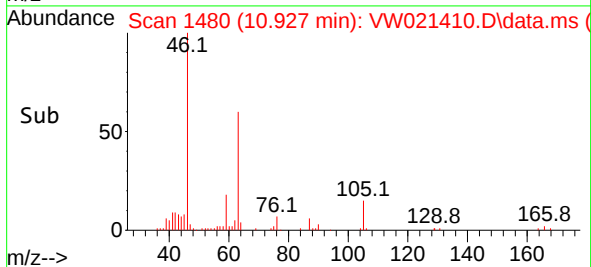
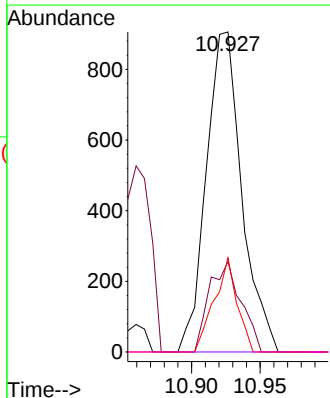
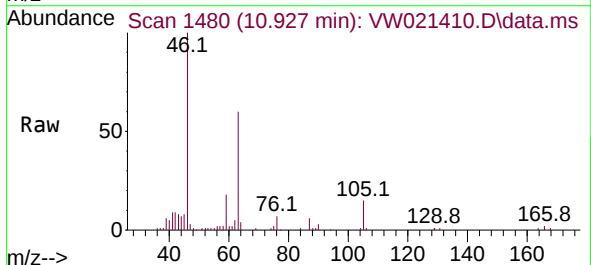


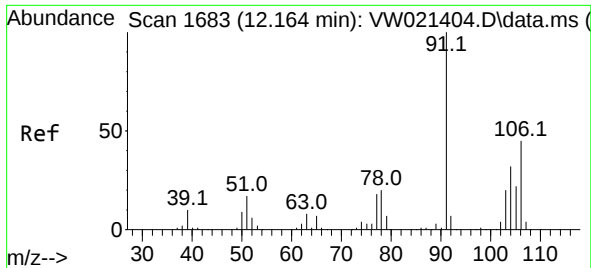
Tgt Ion:164 Resp: 888753
Ion Ratio Lower Upper
164 100
129 87.1 65.5 121.7
131 85.4 59.7 110.9
166 130.5 88.7 164.7



#48
2-Hexanone
Concen: 3.578 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
58 25.3 40.2 60.2#
57 19.0 14.3 21.5
100 0.0 8.0 12.0#

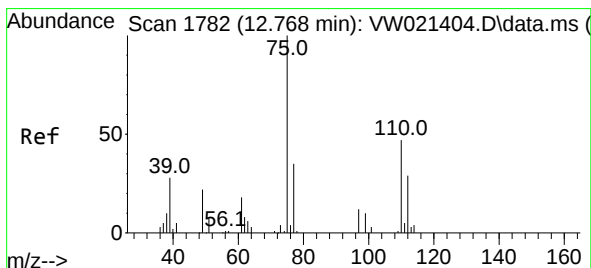
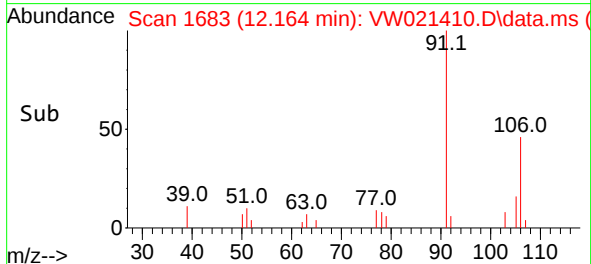
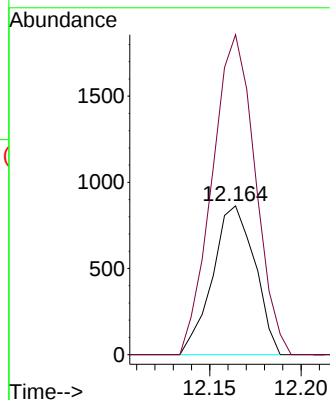
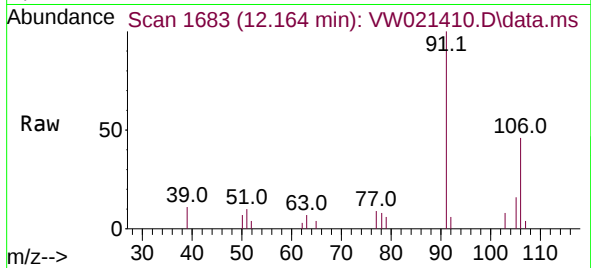




#54
o-Xylene
Concen: 0.524 ug/L
RT: 12.164 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

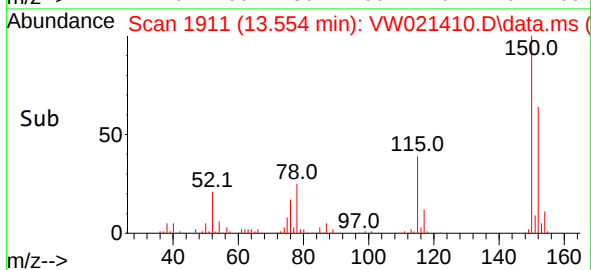
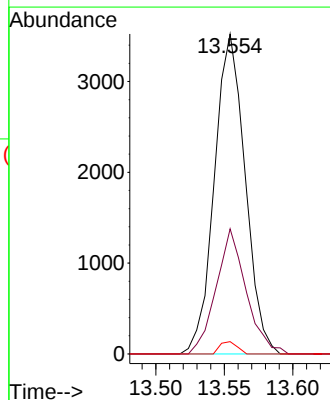
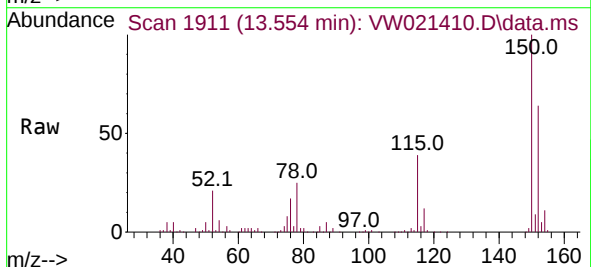
Instrument :
MSVOA_W
ClientSampleId :

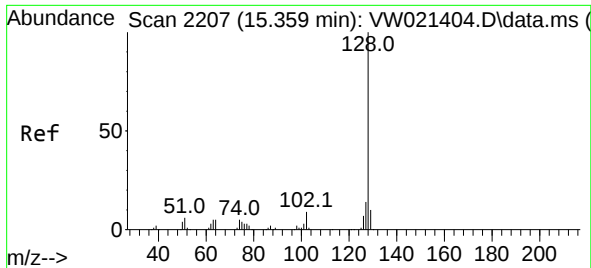
Tgt Ion:106 Resp: 1390
Ion Ratio Lower Upper
106 100
91 215.2 153.6 285.3



#61
1,2,3-Trichloropropane
Concen: 7.883 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

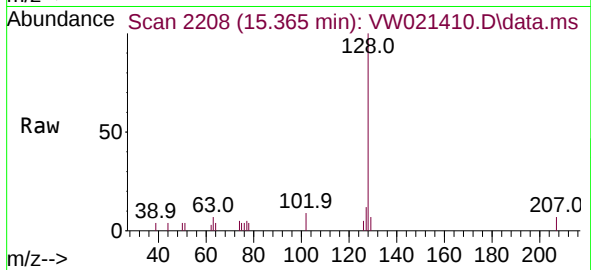
Tgt Ion: 75 Resp: 5504
Ion Ratio Lower Upper
75 100
77 38.2 25.8 38.8
110 2.2 29.0 43.4#





#71
Naphthalene
Concen: 1.081 ug/L
RT: 15.365 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW021410.D
Acq: 16 Dec 2021 12:49

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 3247
Ion Ratio Lower Upper
128 100
127 15.1 10.7 16.1
129 6.7 8.6 12.8#

