

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121021\
 Data File : VW021305.D
 Acq On : 11 Dec 2021 01:13
 Operator : SY/VA
 Sample : M5023-19
 Misc : 7.62g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

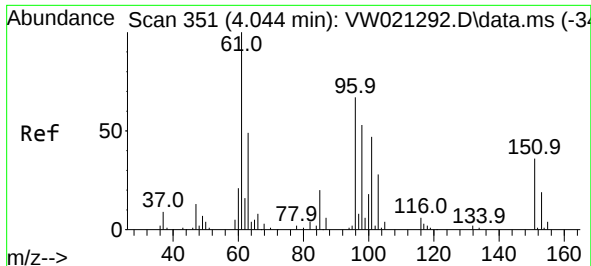
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 03:28:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	69538	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	73825	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	38357	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	25214	19.909	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.640%
7) Chloroethane-d5	2.885	69	19947	23.825	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.280%
11) 1,1-Dichloroethene-d2	4.019	63	30311	17.952	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.800%
21) 2-Butanone-d5	7.074	46	11764	65.897	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.800%
24) Chloroform-d	7.647	84	50387	26.001	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	8.305	65	27308	26.492	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.960%
32) Benzene-d6	8.275	84	92828	22.940	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.760%
36) 1,2-Dichloropropane-d6	9.274	67	26892	24.780	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.120%
41) Toluene-d8	10.323	98	89331	21.606	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.440%
43) trans-1,3-Dichloroprop...	10.579	79	12216	24.447	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.800%
47) 2-Hexanone-d5	10.920	63	9463	58.967	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.940%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	24394	26.148	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	13.853	152	33698	22.669	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.680%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.044	96	3215	3.730	ug/L	# 15
13) Acetone	4.123	43	928	5.799	ug/L	89
19) 1,1-Dichloroethane	6.214	63	1165	0.795	ug/L	87
27) 1,2-Dichloroethane	8.275	62	607	0.564	ug/L	# 77
30) 1,1,1-Trichloroethane	7.878	97	44406	26.808	ug/L	95
31) Carbon tetrachloride	7.872	117	5686	3.721	ug/L	99
34) Trichloroethene	9.092	95	9937	8.802	ug/L	93
35) Methylcyclohexane	9.274	83	7413	3.981	ug/L	# 14
37) 1,2-Dichloropropane	9.274	63	3414	3.806	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	1033	0.731	ug/L	# 80
45) 1,1,2-Trichloroethane	10.860	97	857	1.167	ug/L	# 30
46) Tetrachloroethene	10.866	164	103439	96.452	ug/L	89
48) 2-Hexanone	10.927	43	1178	3.323	ug/L	# 71
49) Dibromochloromethane	10.860	129	83247	91.972	ug/L	# 10
61) 1,2,3-Trichloropropane	13.554	75	4782	8.566	ug/L	# 68

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



#12

1,1-Dichloroethene

Concen: 3.730 ug/L

RT: 4.044 min Scan# 351

Delta R.T. -0.000 min

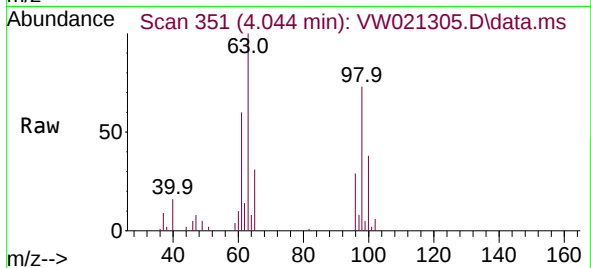
Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

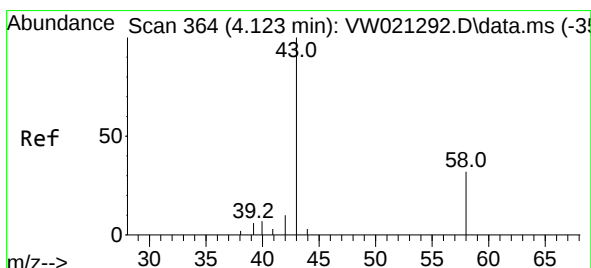
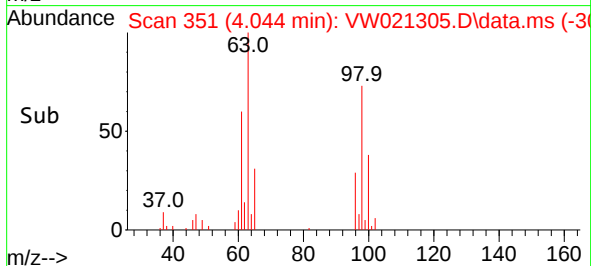
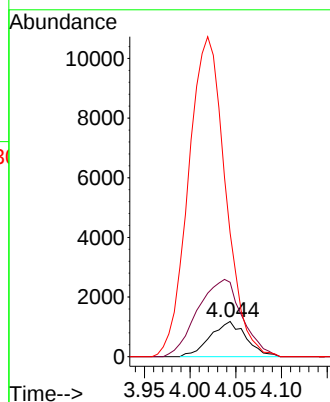
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	96	Resp:	3215
Ion	Ratio	Lower	Upper
96	100		
61	211.0	138.3	256.9
63	350.8	82.6	153.4



#13

Acetone

Concen: 5.799 ug/L

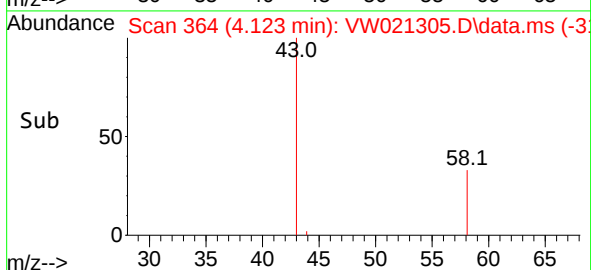
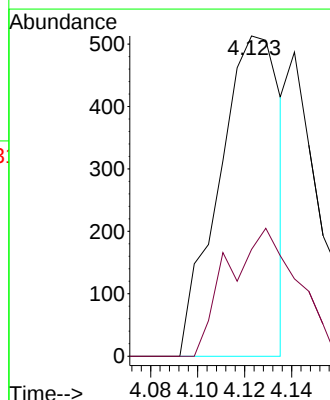
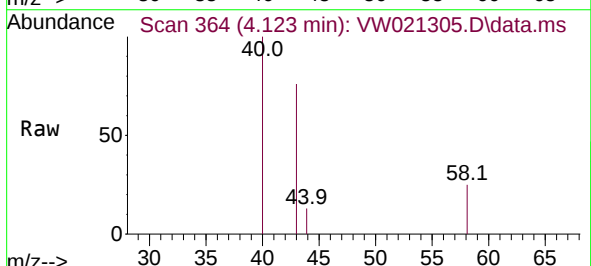
RT: 4.123 min Scan# 364

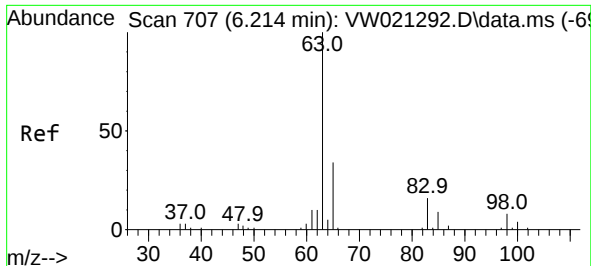
Delta R.T. -0.000 min

Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

Tgt Ion:	43	Resp:	928
Ion	Ratio	Lower	Upper
43	100		
58	32.2	0.0	52.8





#19

1,1-Dichloroethane

Concen: 0.795 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

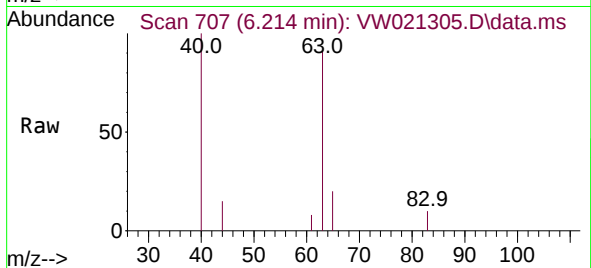
Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

Instrument :

MSVOA_W

ClientSampleId :



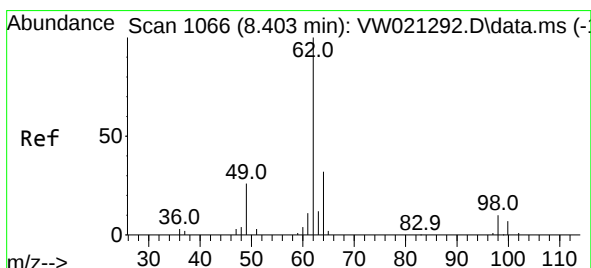
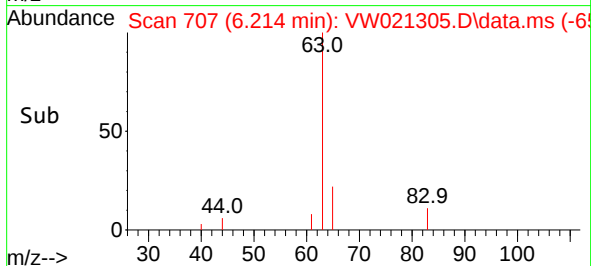
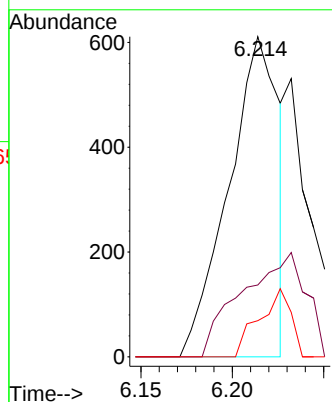
Tgt Ion: 63 Resp: 1165

Ion Ratio Lower Upper

63 100

65 22.4 22.1 41.1

83 11.3 9.2 17.2



#27

1,2-Dichloroethane

Concen: 0.564 ug/L

RT: 8.275 min Scan# 1045

Delta R.T. -0.128 min

Lab File: VW021305.D

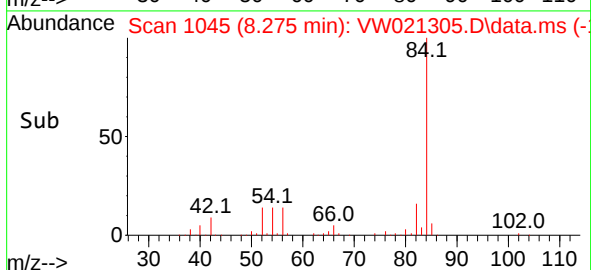
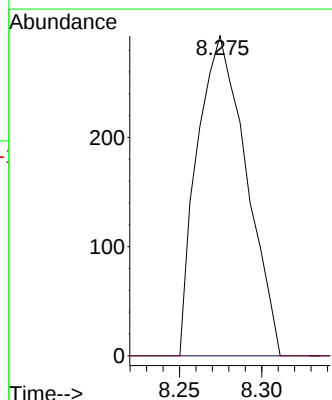
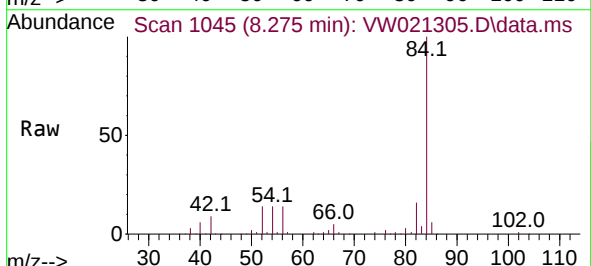
Acq: 11 Dec 2021 01:13

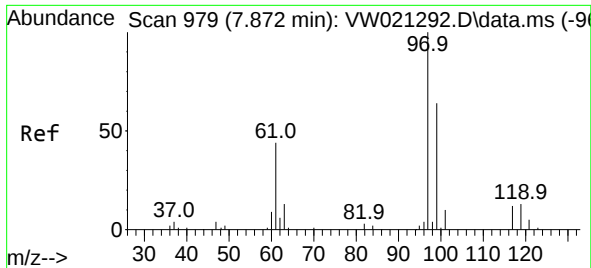
Tgt Ion: 62 Resp: 607

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#

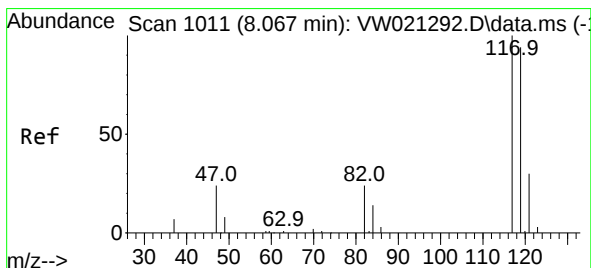
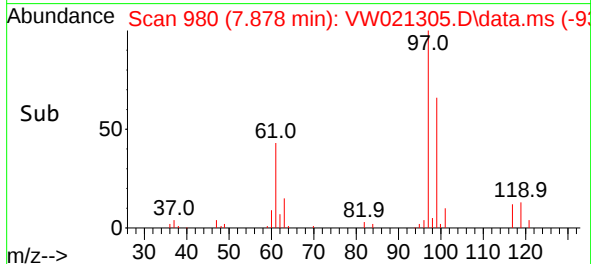
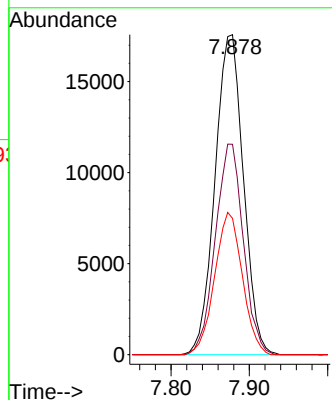
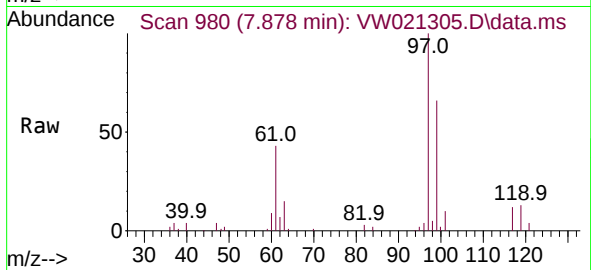




#30
1,1,1-Trichloroethane
Concen: 26.808 ug/L
RT: 7.878 min Scan# 979
Delta R.T. 0.006 min
Lab File: VW021305.D
Acq: 11 Dec 2021 01:13

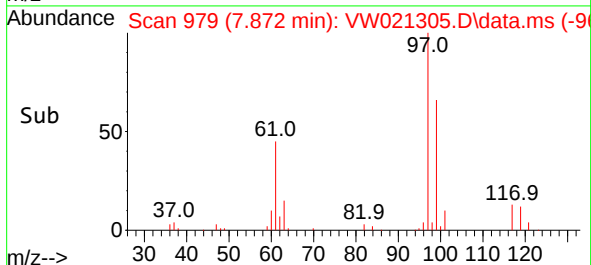
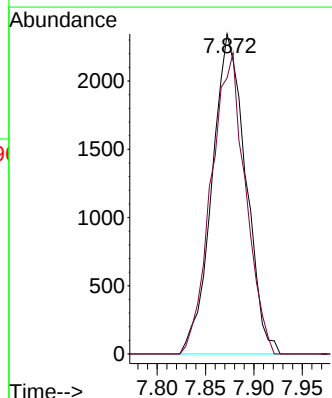
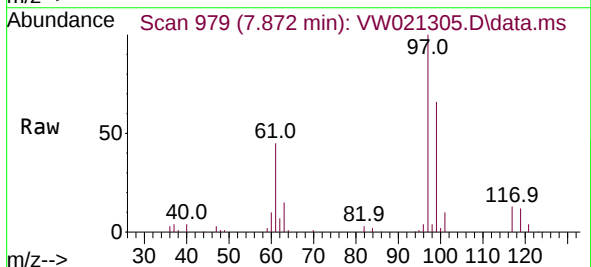
Instrument :
MSVOA_W
ClientSampleId :

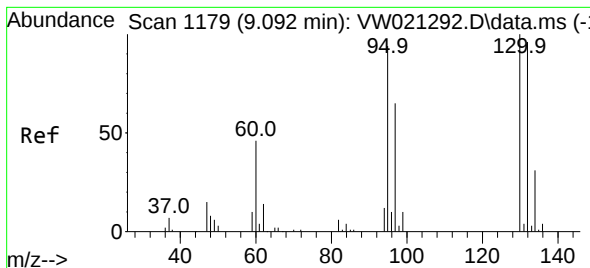
Tgt Ion: 97 Resp: 44406
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 43.3 40.9 61.3



#31
Carbon tetrachloride
Concen: 3.721 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.195 min
Lab File: VW021305.D
Acq: 11 Dec 2021 01:13

Tgt Ion: 117 Resp: 5686
Ion Ratio Lower Upper
117 100
119 95.2 75.7 113.5





#34

Trichloroethene

Concen: 8.802 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

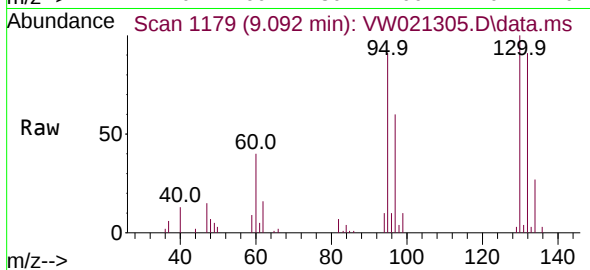
Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 9937

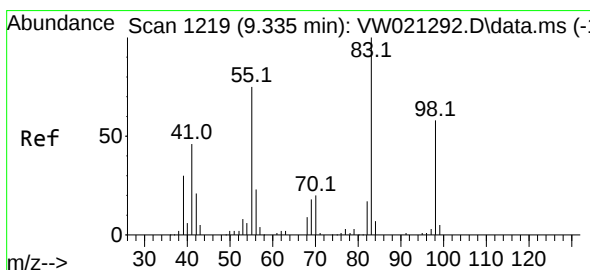
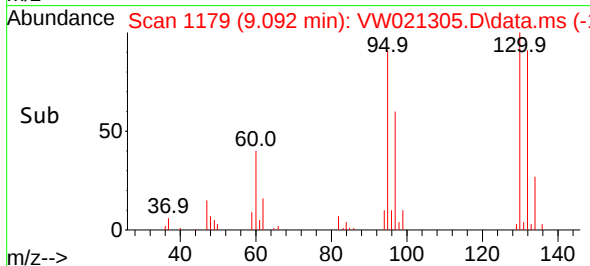
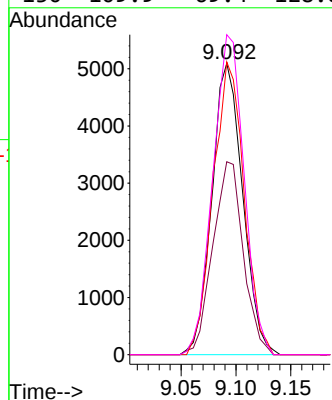
Ion Ratio Lower Upper

95 100

97 66.2 47.0 87.2

132 100.5 65.5 121.6

130 109.9 69.4 128.8



#35

Methylcyclohexane

Concen: 3.981 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.061 min

Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

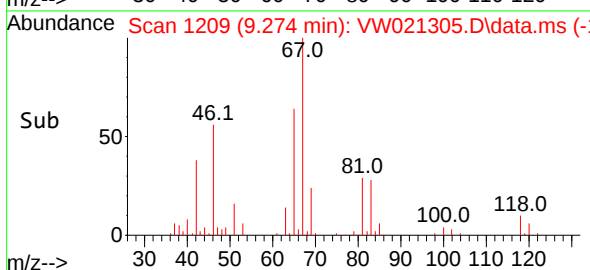
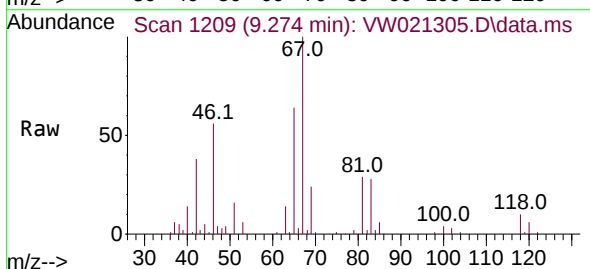
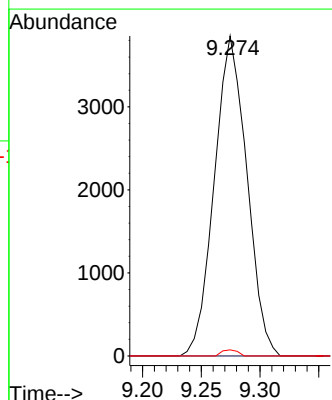
Tgt Ion: 83 Resp: 7413

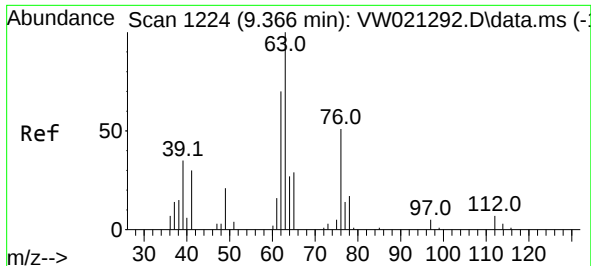
Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 0.9 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 3.806 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

Instrument :

MSVOA_W

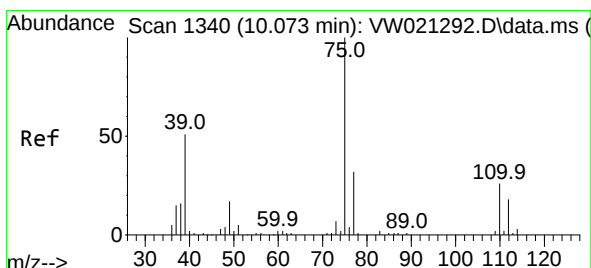
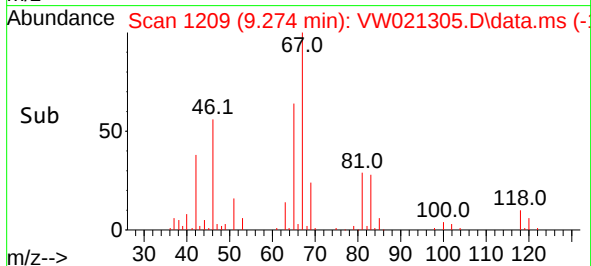
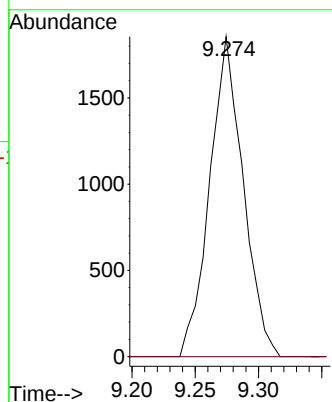
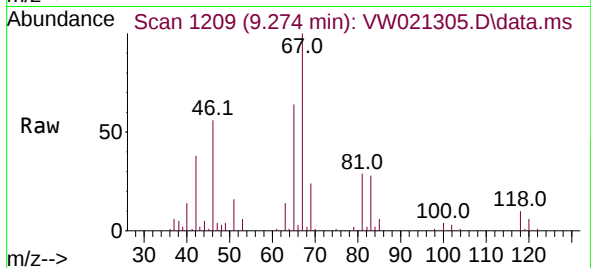
ClientSampleId :

Tgt Ion: 63 Resp: 3414

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.731 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021305.D

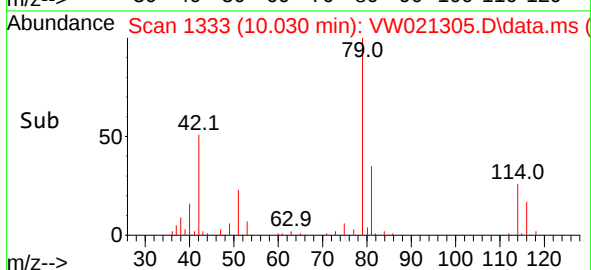
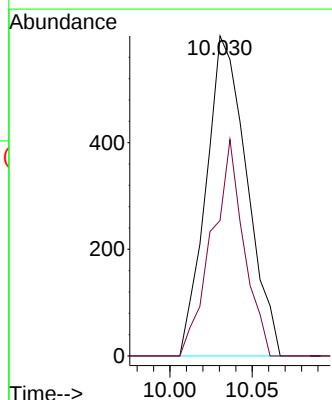
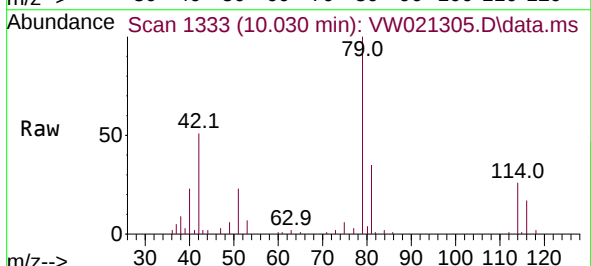
Acq: 11 Dec 2021 01:13

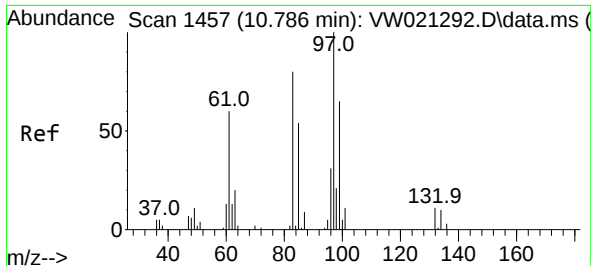
Tgt Ion: 75 Resp: 1033

Ion Ratio Lower Upper

75 100

77 42.3 21.8 40.6#





#45

1,1,2-Trichloroethane

Concen: 1.167 ug/L

RT: 10.860 min Scan# 14

Delta R.T. 0.073 min

Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 857

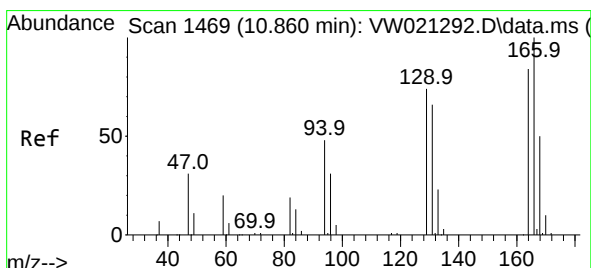
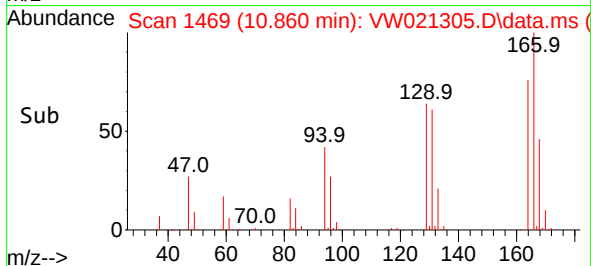
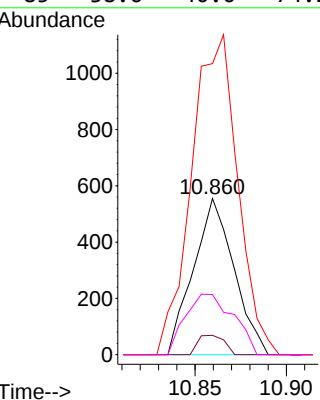
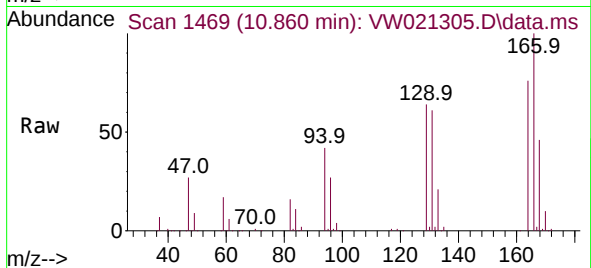
Ion Ratio Lower Upper

97 100

99 12.4 43.0 79.8#

83 186.3 62.6 116.3#

85 38.6 40.0 74.2#



#46

Tetrachloroethene

Concen: 96.452 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW021305.D

Acq: 11 Dec 2021 01:13

Tgt Ion:164 Resp: 103439

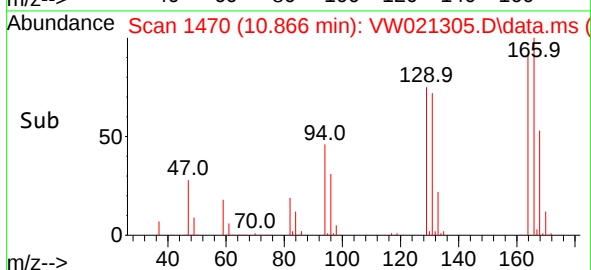
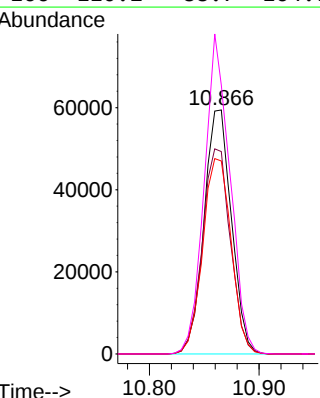
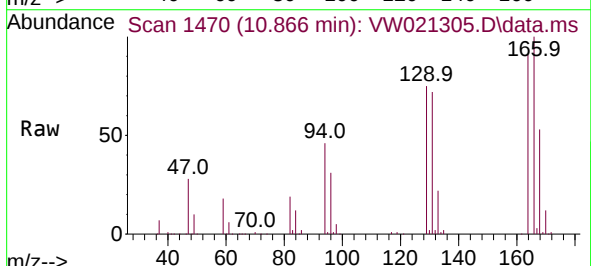
Ion Ratio Lower Upper

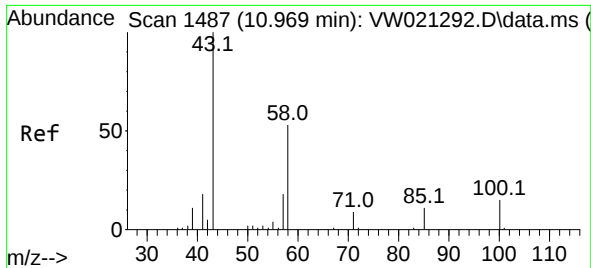
164 100

129 82.9 65.5 121.7

131 79.1 59.7 110.9

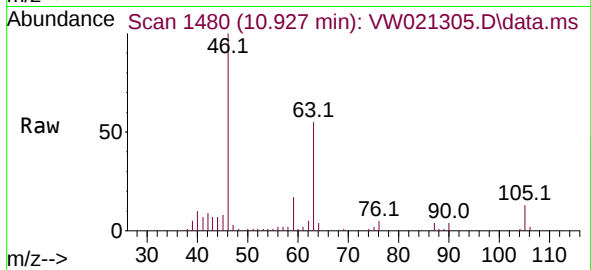
166 110.2 88.7 164.7



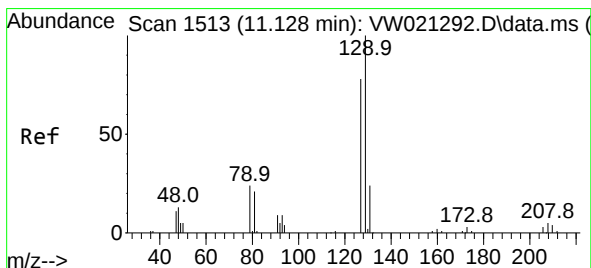
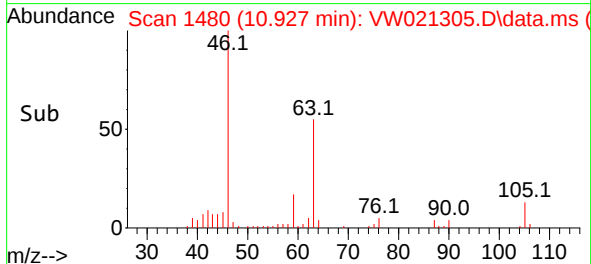
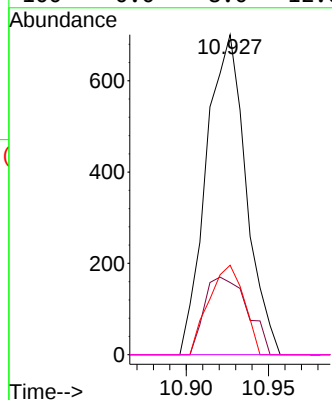


#48
2-Hexanone
Concen: 3.323 ug/L
RT: 10.927 min Scan# 14
Delta R.T. -0.043 min
Lab File: VW021305.D
Acq: 11 Dec 2021 01:13

Instrument :
MSVOA_W
ClientSampleId :

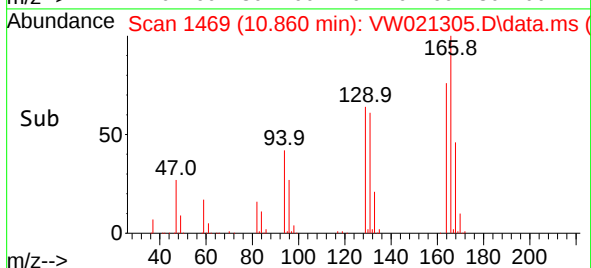
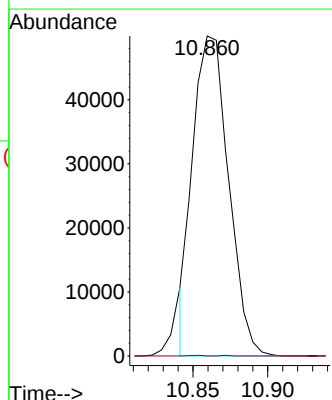
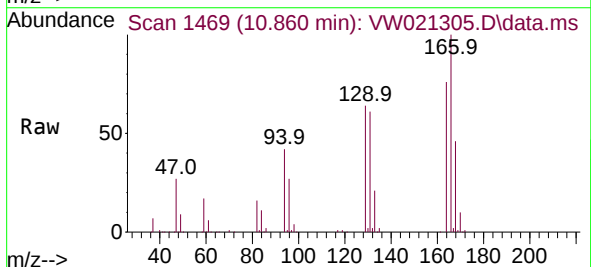


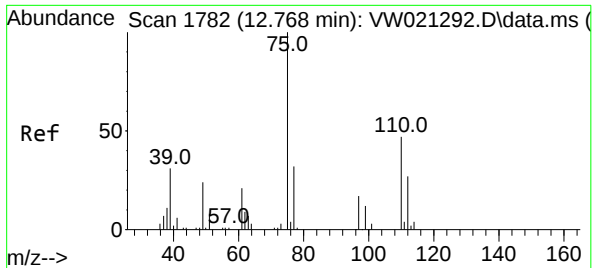
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
58 26.3 40.2 60.2#
57 24.7 14.3 21.5#
100 0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 91.972 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021305.D
Acq: 11 Dec 2021 01:13

Tgt Ion: 129 Resp: 83247
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#





#61
 1,2,3-Trichloropropane
 Concen: 8.566 ug/L
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.786 min
 Lab File: VW021305.D
 Acq: 11 Dec 2021 01:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:	75	Resp:	4782
Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.8	38.8
110	2.2	29.0	43.4#

