

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022890.D
 Acq On : 19 Oct 2021 01:05
 Operator : SY/MD
 Sample : M4137-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:08:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 04:07:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124196	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	127049	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59235	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	33136	3.878	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.568	69	30811	4.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.108	63	49663	2.963	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.896	46	110646	49.385	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.760%
24) Chloroform-d	4.349	84	90531	5.141	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.037	65	43414	5.080	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.053	84	173311	4.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.072	67	55750	4.977	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.317	98	146026	4.466	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.628	79	16519	4.446	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.088	63	93734	62.599	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.200%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41764	5.504	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	58878	5.361	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.105	96	577	0.077	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	3772	0.208	ug/L	94
18) trans-1,2-Dichloroethene	2.773	96	655	0.080	ug/L #	68
22) cis-1,2-Dichloroethene	3.915	96	17627	2.058	ug/L	98
25) Chloroform	4.381	83	9660	0.567	ug/L	96
27) 1,2-Dichloroethane	5.053	62	959	0.113	ug/L #	69
34) Trichloroethene	5.918	95	51439	5.528	ug/L	97
35) Methylcyclohexane	6.072	83	13722	1.053	ug/L #	16
37) 1,2-Dichloropropane	6.066	63	5726	0.696	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1124	0.103	ug/L #	80
42) Toluene	7.397	91	6822	0.196	ug/L	96
47) Tetrachloroethene	7.976	164	335723	44.612	ug/L	99
48) 2-Hexanone	8.091	43	10402	3.217	ug/L #	67
49) Dibromochloromethane	7.976	129	292358	40.896	ug/L #	7
53) m,p-xylene	9.146	106	1286	0.093	ug/L	68
61) 1,2,3-Trichloropropane	11.188	75	563	0.137	ug/L #	37
64) 1,3-Dichlorobenzene	11.188	146	2205	0.140	ug/L	96
67) 1,2-Dichlorobenzene	11.648	146	1004	0.068	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	12.249	75	117	0.156	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

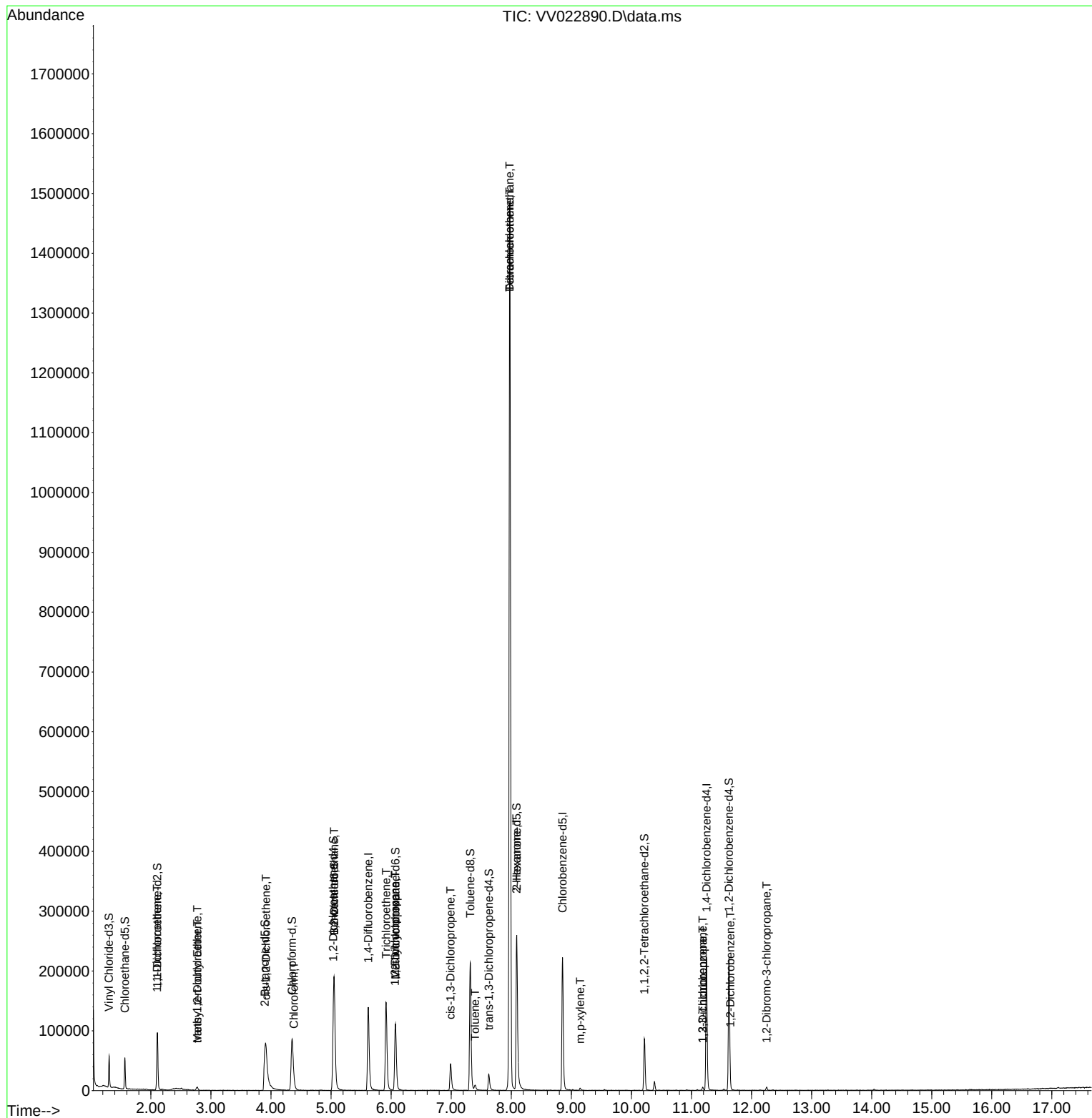
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

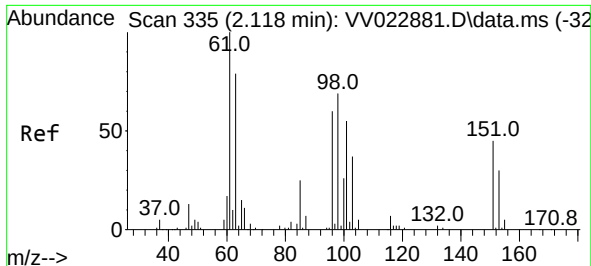
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.013 min

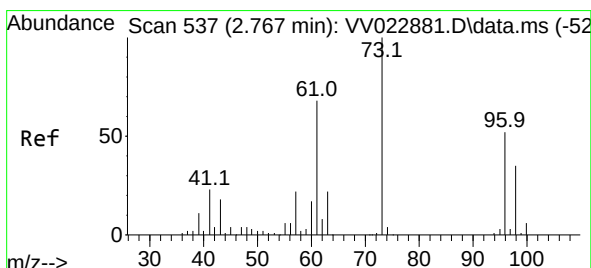
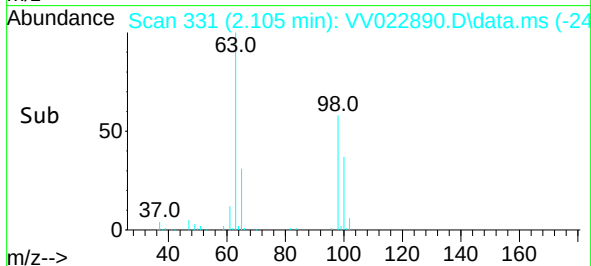
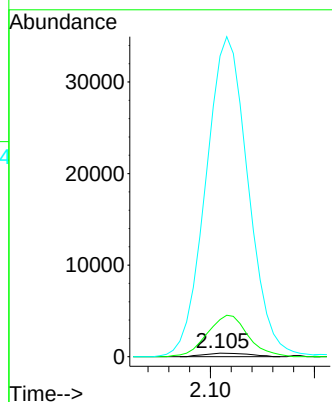
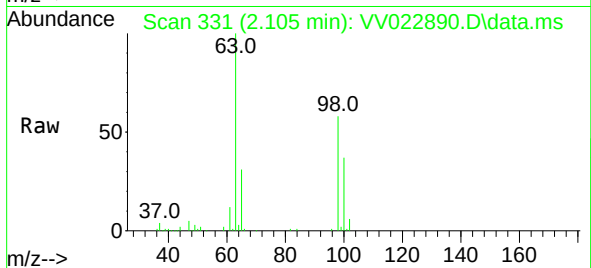
Lab File: VV022890.D

Acq: 19 Oct 2021 01:05

Tgt Ion: 96 Resp: 577

Ion	Ratio	Lower	Upper
96	100		
61	1075.9	127.3	236.5#
63	8708.8	106.2	197.2#

Instrument :
MSVOA_V
ClientSampled :



#17

Methyl tert-butyl Ether

Concen: 0.208 ug/L

RT: 2.773 min Scan# 539

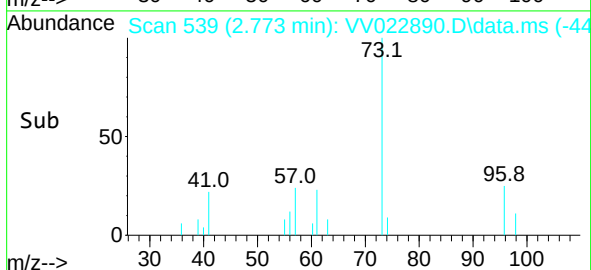
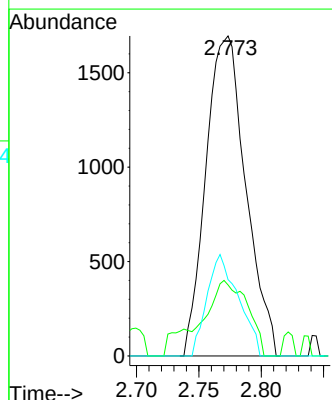
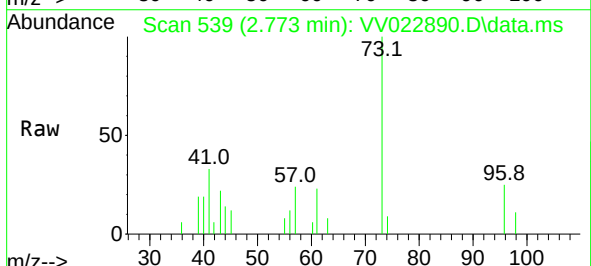
Delta R.T. 0.006 min

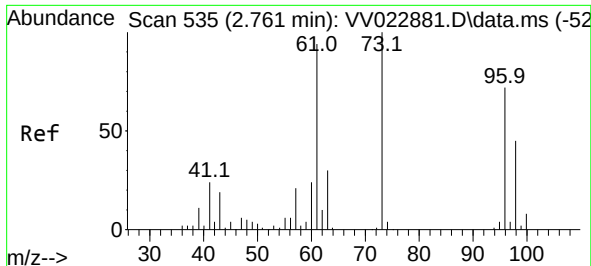
Lab File: VV022890.D

Acq: 19 Oct 2021 01:05

Tgt Ion: 73 Resp: 3772

Ion	Ratio	Lower	Upper
73	100		
43	23.5	17.1	25.7
57	25.0	17.2	25.8

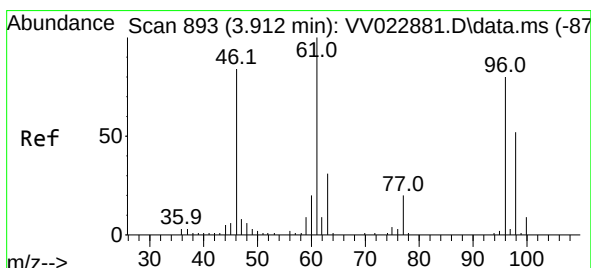
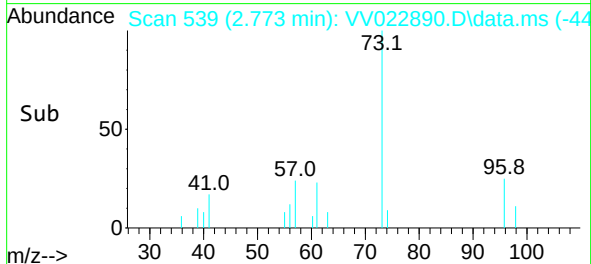
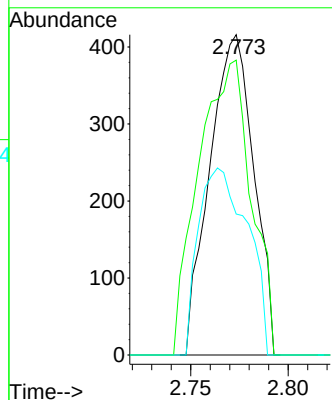
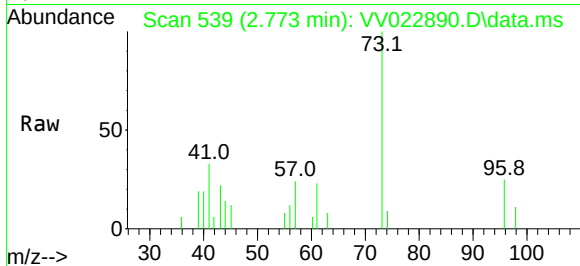




#18
trans-1,2-Dichloroethene
Concen: 0.080 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.013 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

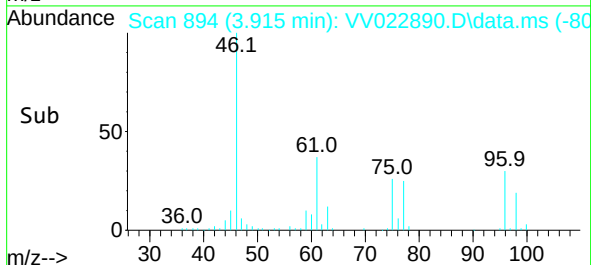
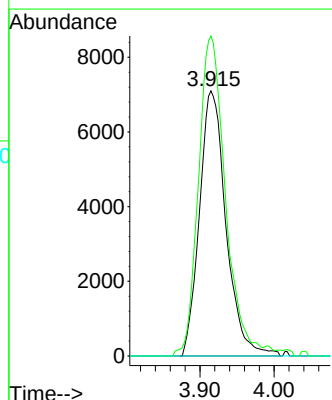
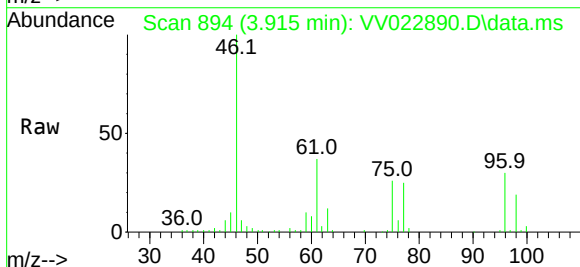
Instrument :
MSVOA_V
ClientSampled :

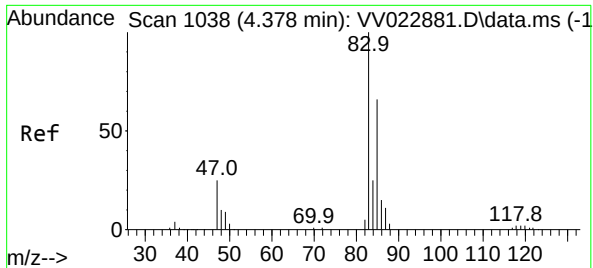
Tgt Ion: 96 Resp: 655
Ion Ratio Lower Upper
96 100
61 92.1 94.5 175.5#
98 44.0 44.2 82.0#



#22
cis-1,2-Dichloroethene
Concen: 2.058 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

Tgt Ion: 96 Resp: 17627
Ion Ratio Lower Upper
96 100
61 120.7 86.0 159.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.567 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VV022890.D

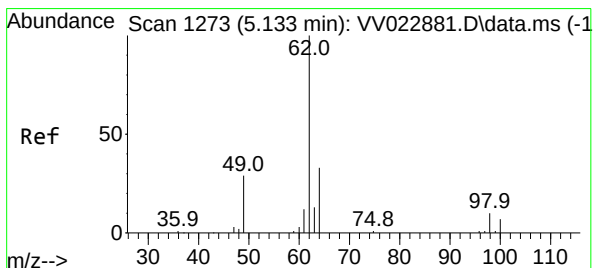
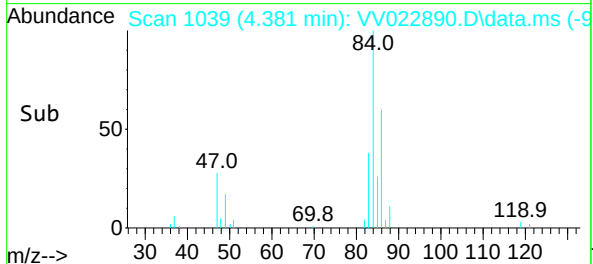
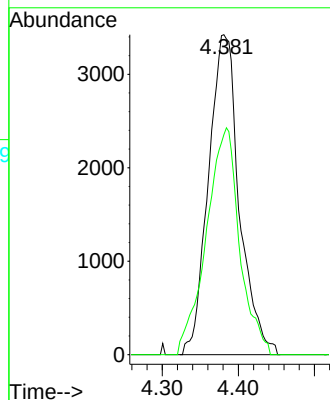
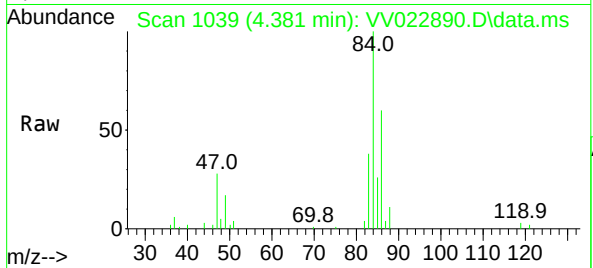
Acq: 19 Oct 2021 01:05

Tgt Ion: 83 Resp: 9660

Ion Ratio Lower Upper

83 100

85 68.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 0.113 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.080 min

Lab File: VV022890.D

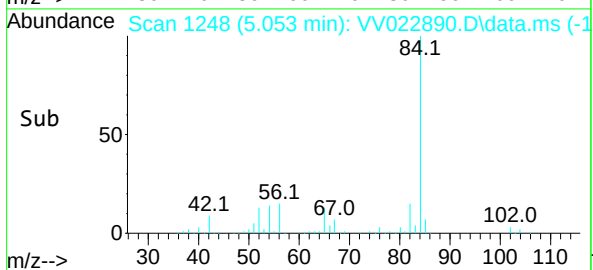
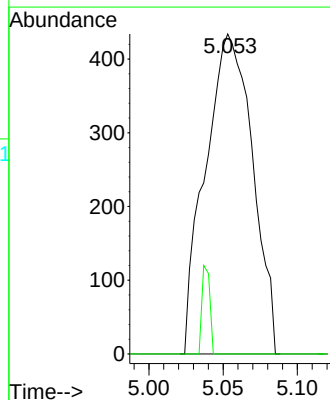
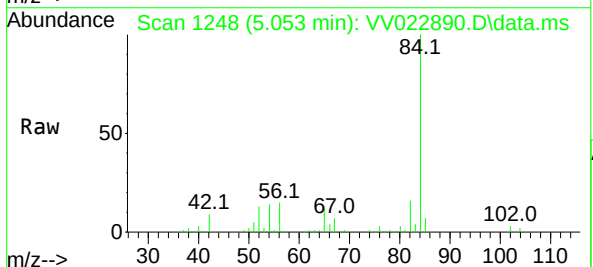
Acq: 19 Oct 2021 01:05

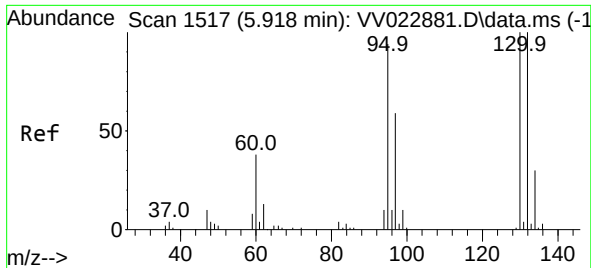
Tgt Ion: 62 Resp: 959

Ion Ratio Lower Upper

62 100

98 0.0 9.7 14.5#



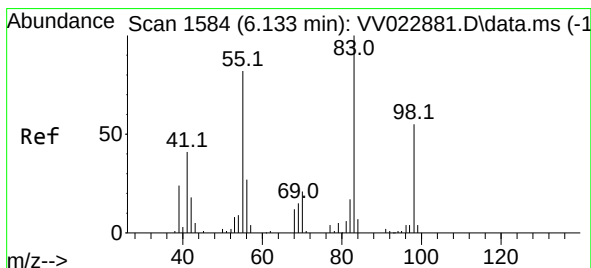
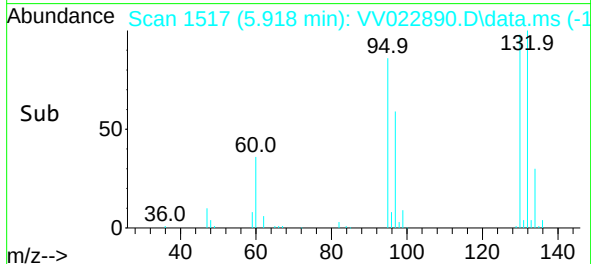
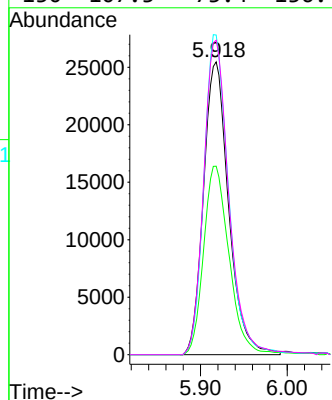
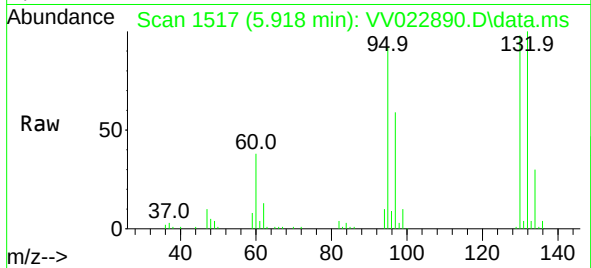


#34
Trichloroethene
Concen: 5.528 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 95 Resp: 51439

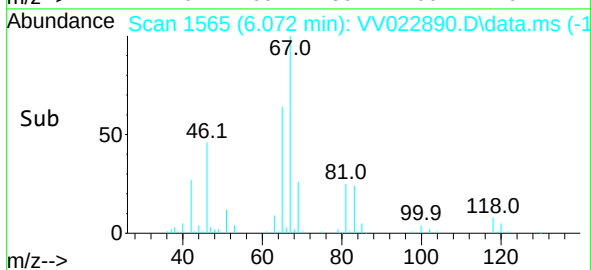
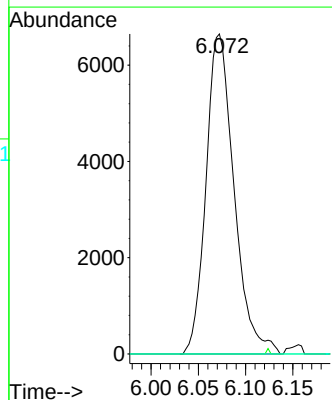
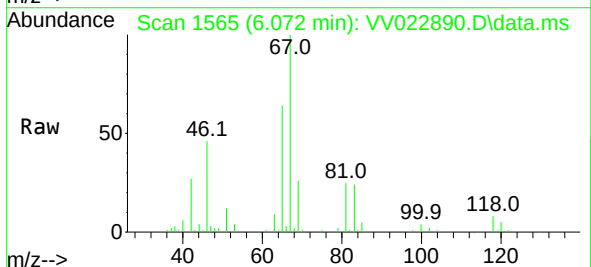
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.8	85.2
132	109.1	72.2	134.0
130	107.3	73.4	136.4

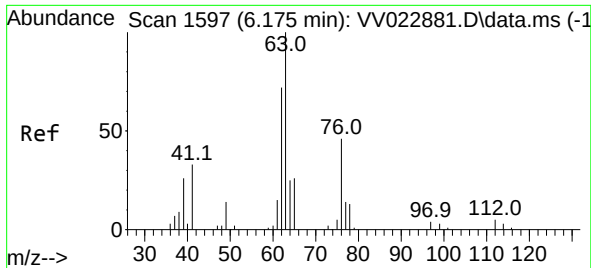


#35
Methylcyclohexane
Concen: 1.053 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

Tgt Ion: 83 Resp: 13722

Ion	Ratio	Lower	Upper
83	100		
55	0.2	63.8	95.6#
98	0.6	42.1	63.1#

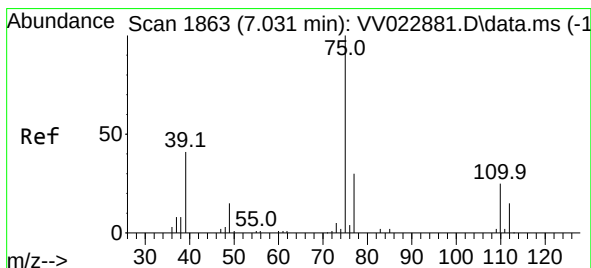
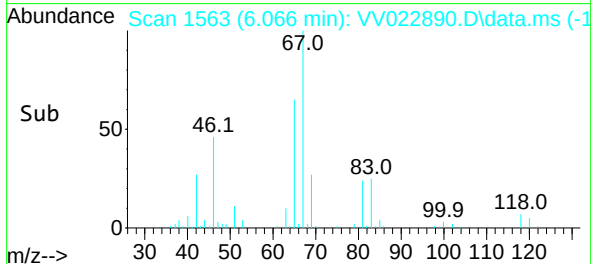
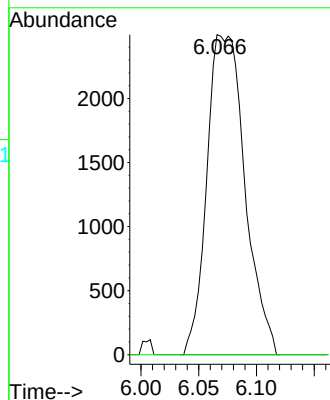
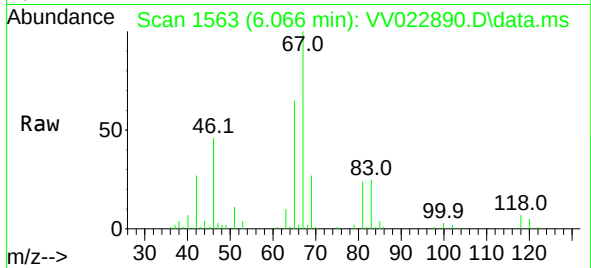




#37
1,2-Dichloropropane
Concen: 0.696 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.109 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

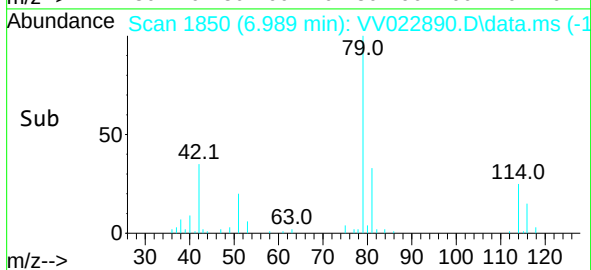
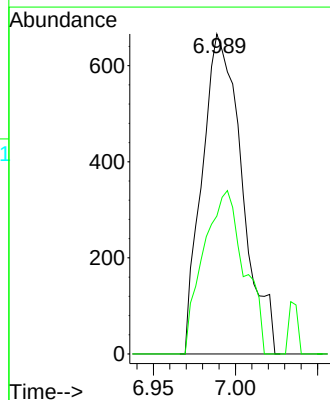
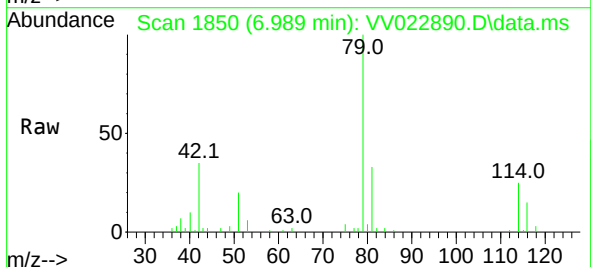
Instrument :
MSVOA_V
ClientSampled :

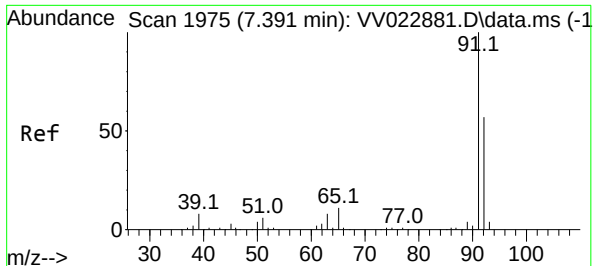
Tgt Ion: 63 Resp: 5726
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.103 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

Tgt Ion: 75 Resp: 1124
Ion Ratio Lower Upper
75 100
77 43.1 22.3 41.3#

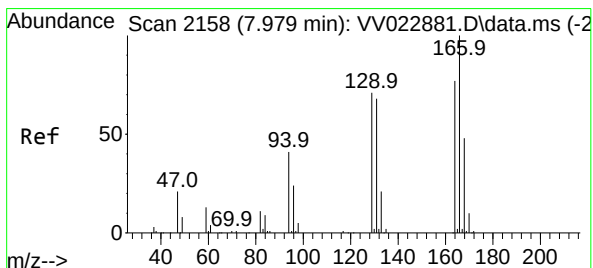
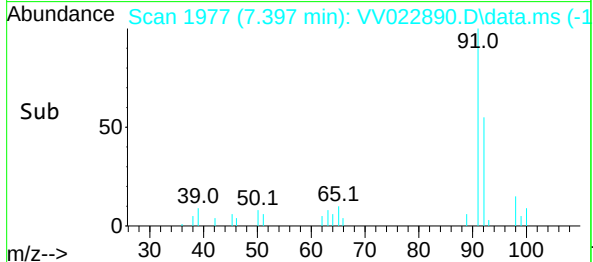
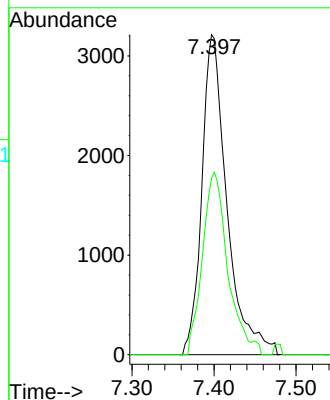
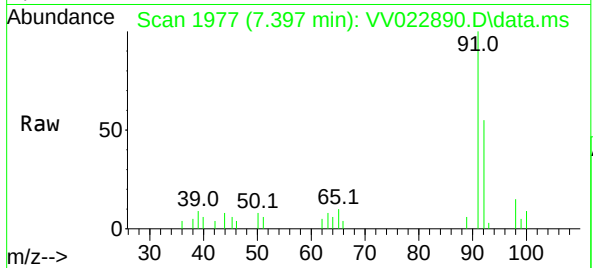




#42
Toluene
Concen: 0.196 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

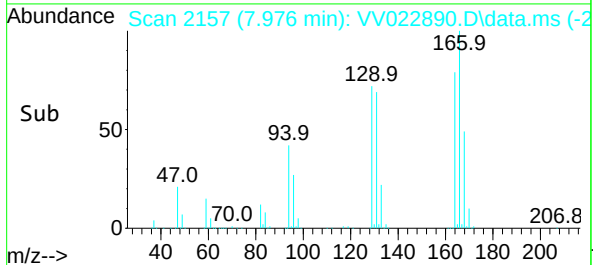
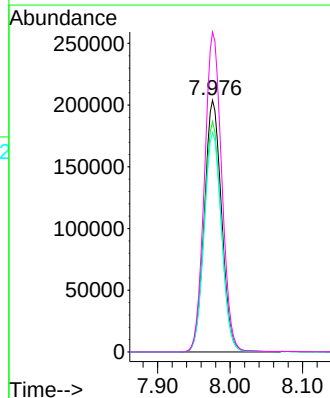
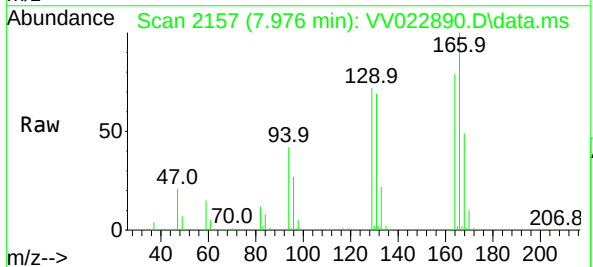
Instrument :
MSVOA_V
ClientSampled :

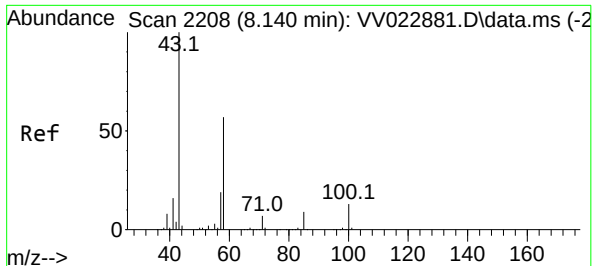
Tgt Ion: 91 Resp: 6822
Ion Ratio Lower Upper
91 100
92 55.2 40.7 75.7



#47
Tetrachloroethene
Concen: 44.612 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

Tgt Ion: 164 Resp: 335723
Ion Ratio Lower Upper
164 100
129 91.5 65.0 120.6
131 87.3 62.2 115.4
166 127.1 89.2 165.8





#48

2-Hexanone

Concen: 3.217 ug/L

RT: 8.091 min Scan# 2193

Delta R.T. -0.048 min

Lab File: VV022890.D

Acq: 19 Oct 2021 01:05

Tgt Ion: 43 Resp: 10402

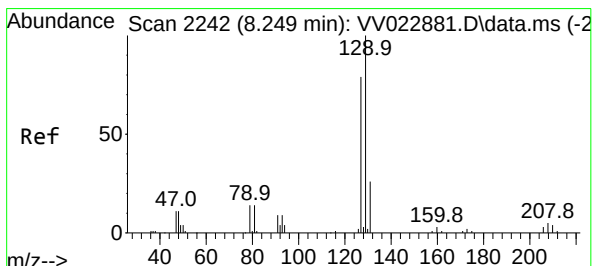
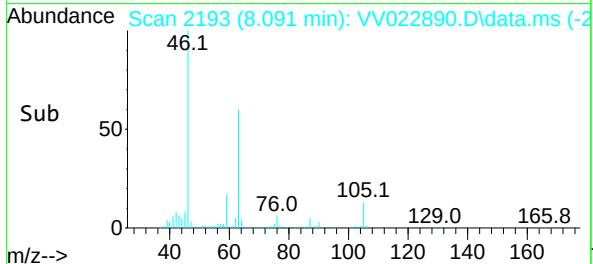
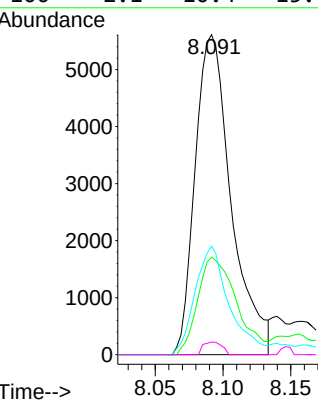
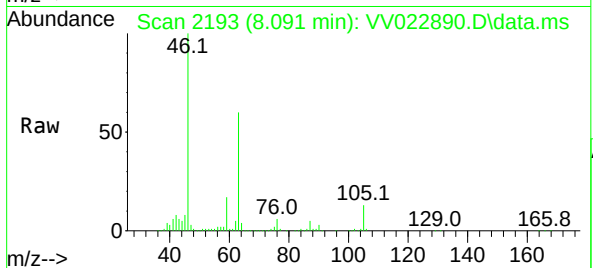
Ion Ratio Lower Upper

43 100

58 33.0 47.4 71.0#

57 32.2 15.3 22.9#

100 2.1 10.4 15.6#



#49

Dibromochloromethane

Concen: 40.896 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022890.D

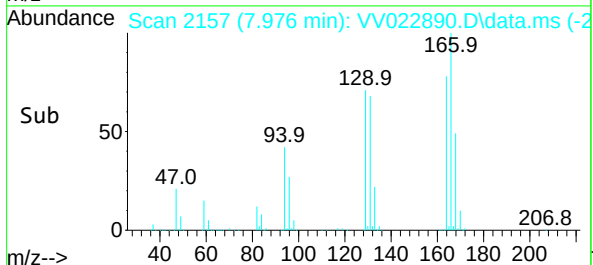
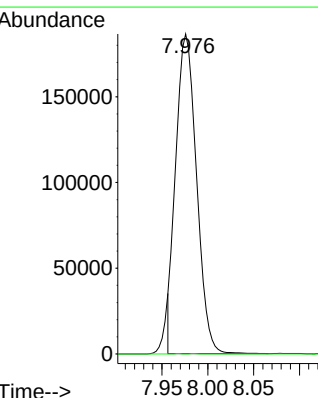
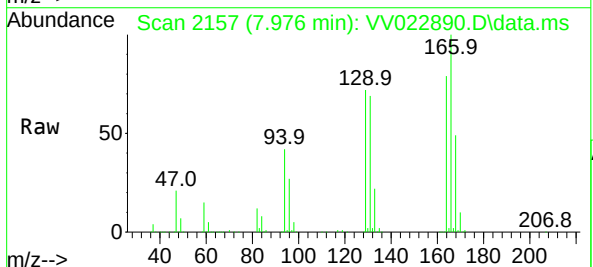
Acq: 19 Oct 2021 01:05

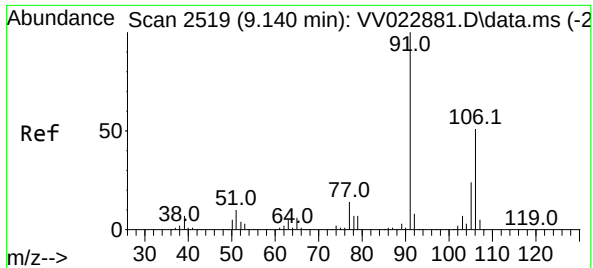
Tgt Ion: 129 Resp: 292358

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#

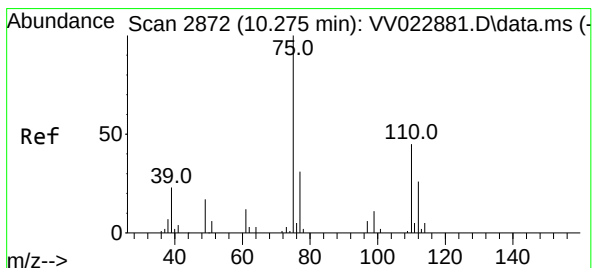
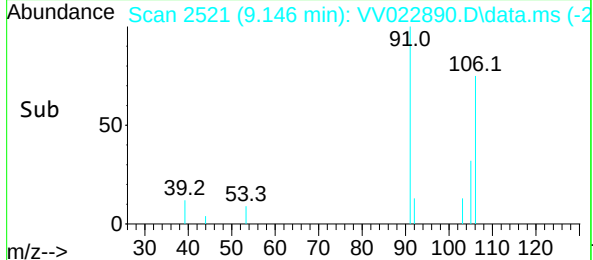
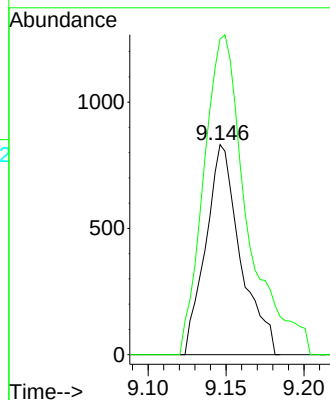
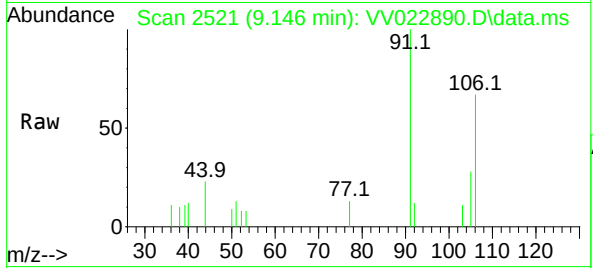




#53
m,p-xylene
Concen: 0.093 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

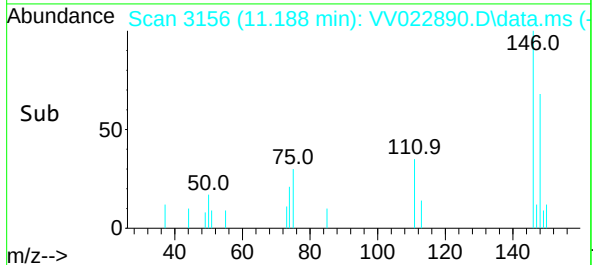
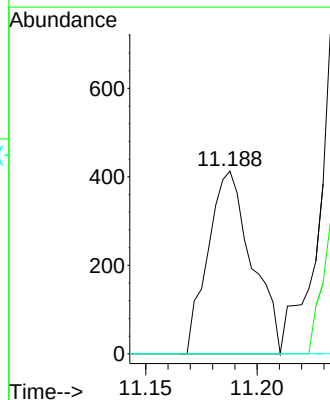
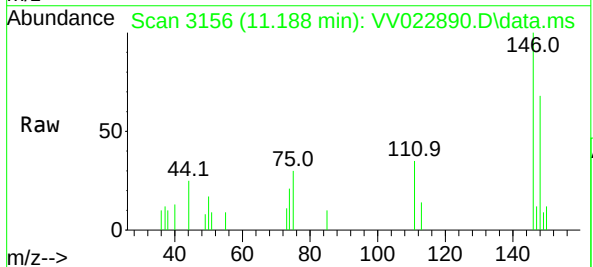
Instrument :
MSVOA_V
ClientSampled :

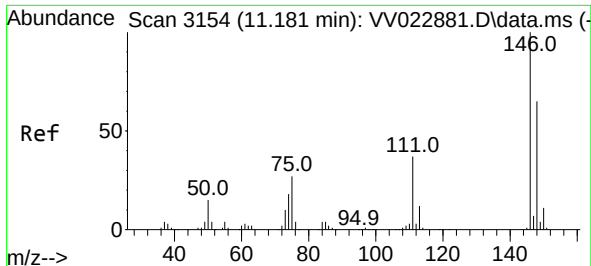
Tgt Ion:106 Resp: 1286
Ion Ratio Lower Upper
106 100
91 150.1 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 0.137 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

Tgt Ion: 75 Resp: 563
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
110 0.0 34.2 51.4#

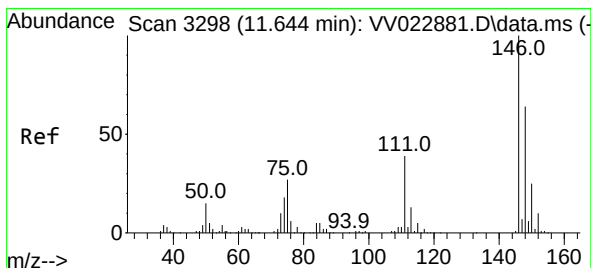
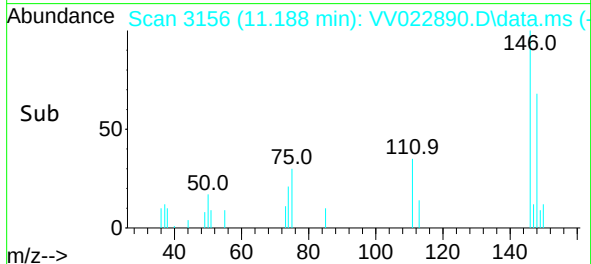
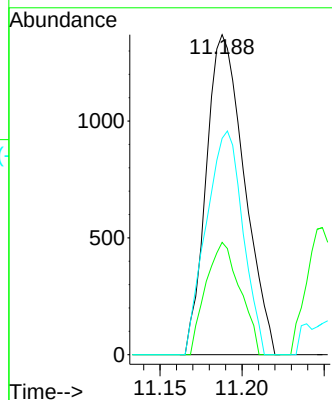
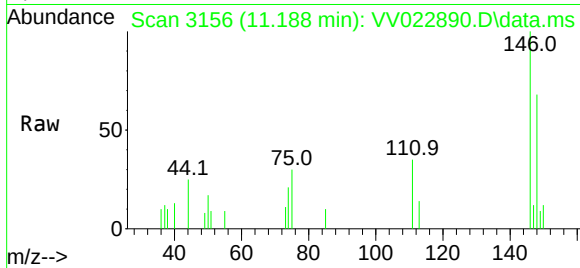




#64
1,3-Dichlorobenzene
Concen: 0.140 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

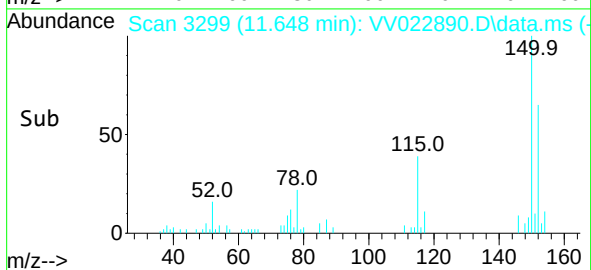
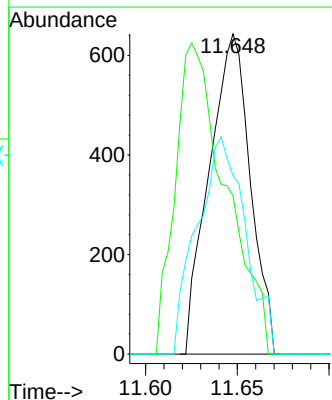
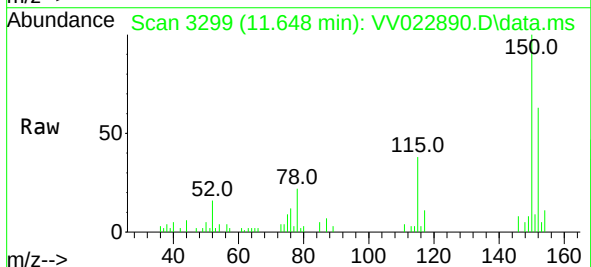
Instrument :
MSVOA_V
ClientSampled :

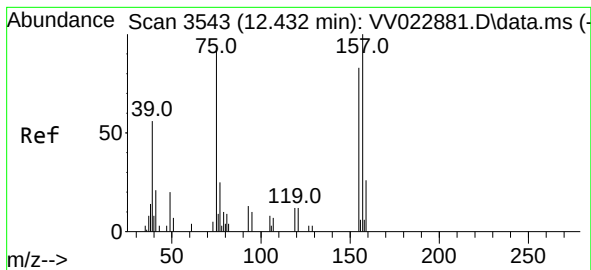
Tgt Ion:146 Resp: 2205
Ion Ratio Lower Upper
146 100
111 35.1 26.7 49.5
148 67.6 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 0.068 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022890.D
Acq: 19 Oct 2021 01:05

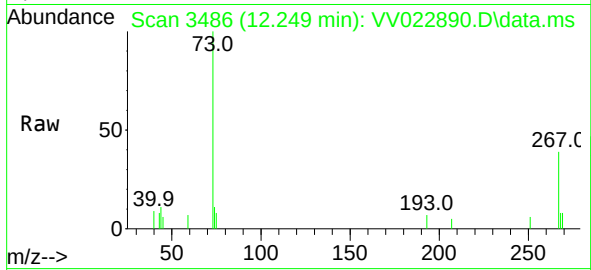
Tgt Ion:146 Resp: 1004
Ion Ratio Lower Upper
146 100
111 49.5 32.3 48.5#
148 55.8 52.1 78.1





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.156 ug/L
 RT: 12.249 min Scan# 3486
 Delta R.T. -0.183 min
 Lab File: VV022890.D
 Acq: 19 Oct 2021 01:05

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 117
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

