

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083021\
 Data File : VW019939.D
 Acq On : 30 Aug 2021 15:08
 Operator : SY/VA
 Sample : M3579-06
 Misc : 5.56g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 01:04:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Aug 31 01:00:58 2021
 Response via : Initial Calibration

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

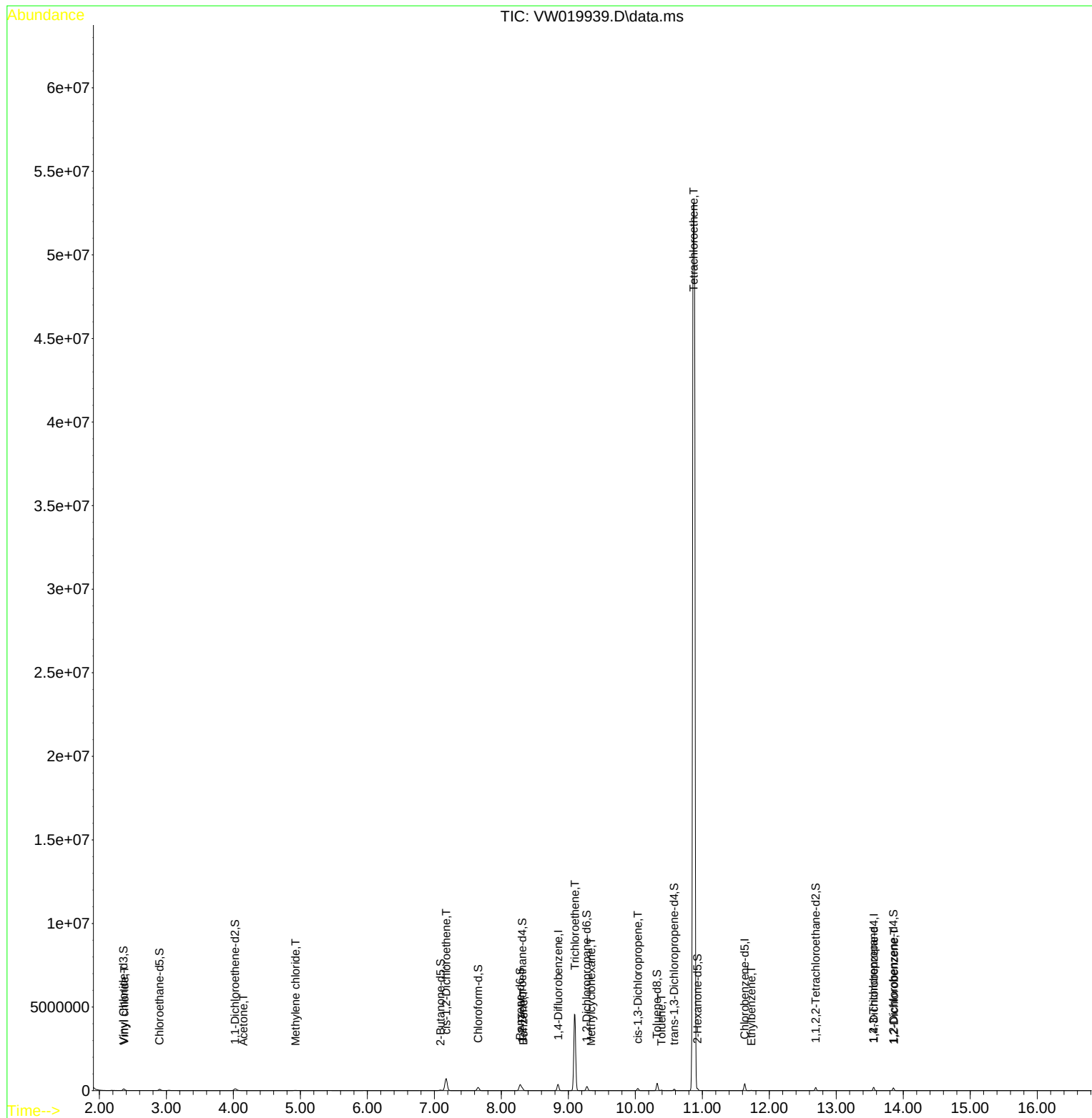
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	307225	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	223536	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	50091	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	105657	22.196	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.800%
7) Chloroethane-d5	2.898	69	97844	23.418	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.680%
11) 1,1-Dichloroethene-d2	4.026	63	121075	14.658	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.640%
21) 2-Butanone-d5	7.092	46	59130	61.155	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.320%
24) Chloroform-d	7.653	84	190058	22.494	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.960%
26) 1,2-Dichloroethane-d4	8.311	65	115250	25.312	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.240%
32) Benzene-d6	8.281	84	368986	28.950	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.800%
36) 1,2-Dichloropropane-d6	9.275	67	116854	30.276	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.120%#
41) Toluene-d8	10.323	98	286254	24.508	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.040%
43) trans-1,3-Dichloroprop...	10.579	79	47087	29.531	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	118.120%
47) 2-Hexanone-d5	10.927	63	41397	76.990	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.980%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	89943	28.631	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.520%
66) 1,2-Dichlorobenzene-d4	13.853	152	41678	24.256	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.040%
Target Compounds						Qvalue
5) Vinyl chloride	2.373	62	1649	0.297	ug/L #	1
13) Acetone	4.147	43	5473	6.631	ug/L	88
16) Methylene chloride	4.928	84	13204	2.504	ug/L	87
20) cis-1,2-Dichloroethene	7.177	96	431550	97.556	ug/L	99
33) Benzene	8.330	78	6667	0.486	ug/L	100
34) Trichloroethene	9.098	95	1598887	448.297	ug/L	95
35) Methylcyclohexane	9.342	83	2518	0.412	ug/L #	82
39) cis-1,3-Dichloropropene	10.037	75	3458	0.691	ug/L #	63
42) Toluene	10.390	91	22954	1.579	ug/L	100
46) Tetrachloroethene	10.872	164	15984765	5916.676	ug/L	95
52) Ethylbenzene	11.731	91	12002	0.767	ug/L	98
61) 1,2,3-Trichloropropane	13.554	75	6668	6.789	ug/L #	65
67) 1,2-Dichlorobenzene	13.865	146	1158	0.421	ug/L #	53

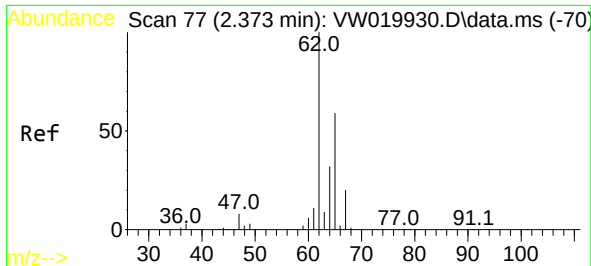
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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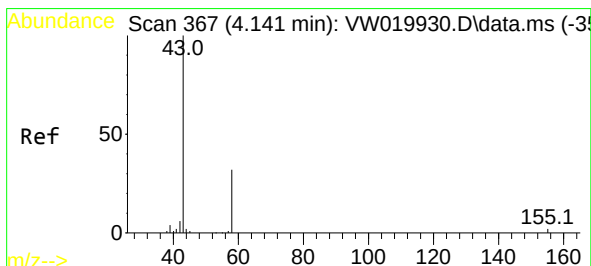
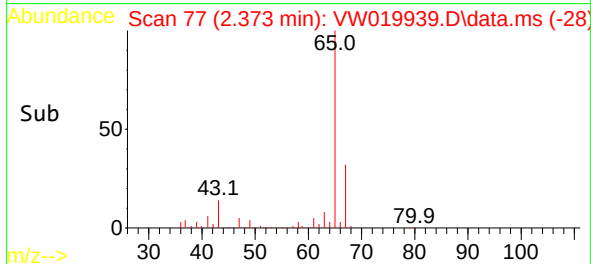
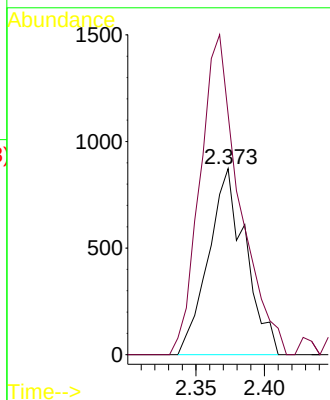
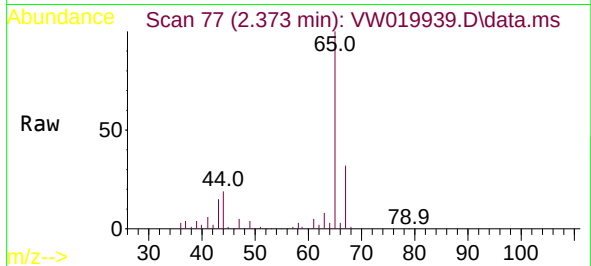




#5
 Vinyl chloride
 Concen: 0.297 ug/L
 RT: 2.373 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VW019939.D
 Acq: 30 Aug 2021 15:08

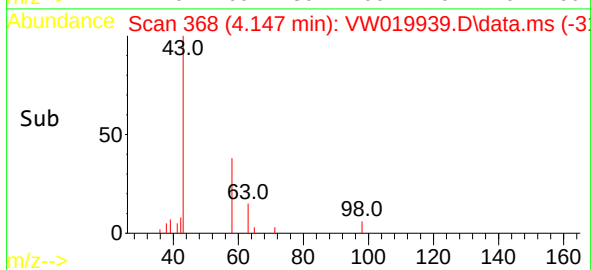
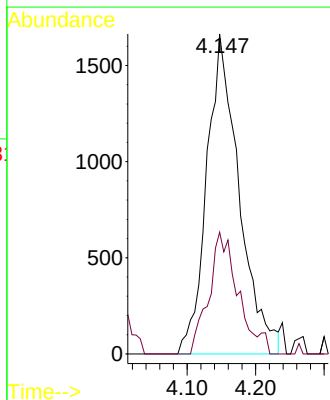
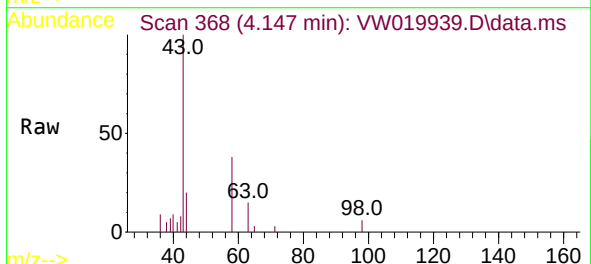
Instrument :
 MSVOA_W
 ClientSampled :

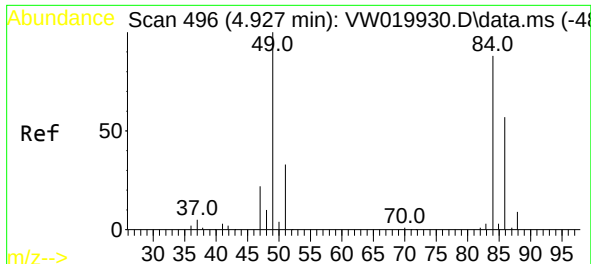
Tgt Ion: 62 Resp: 1649
 Ion Ratio Lower Upper
 62 100
 64 129.2 24.2 45.0#



#13
 Acetone
 Concen: 6.631 ug/L
 RT: 4.147 min Scan# 368
 Delta R.T. 0.006 min
 Lab File: VW019939.D
 Acq: 30 Aug 2021 15:08

Tgt Ion: 43 Resp: 5473
 Ion Ratio Lower Upper
 43 100
 58 32.9 0.0 53.8

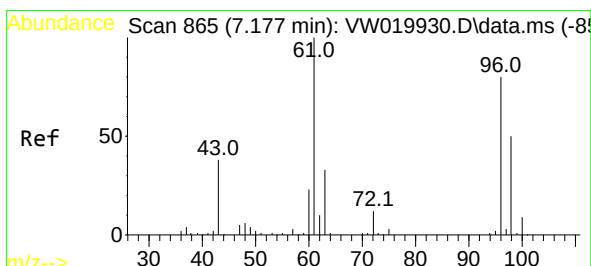
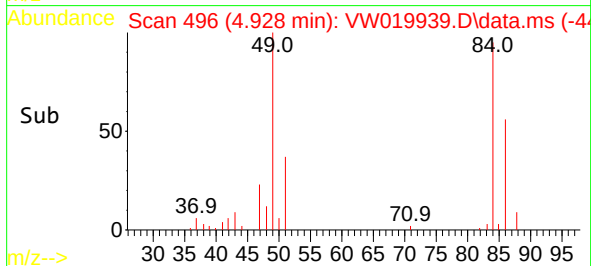
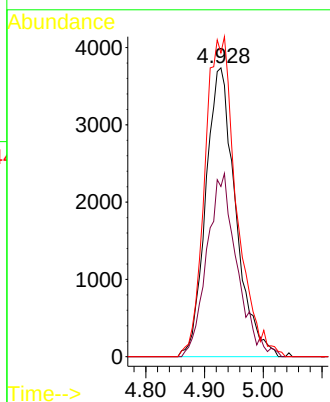
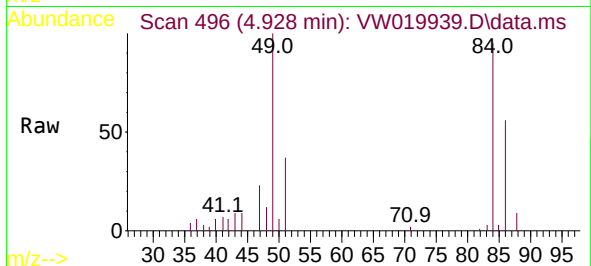




#16
Methylene chloride
Concen: 2.504 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.000 min
Lab File: VW019939.D
Acq: 30 Aug 2021 15:08

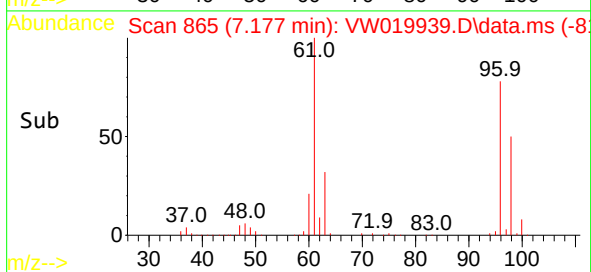
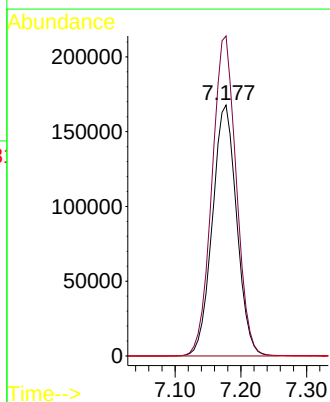
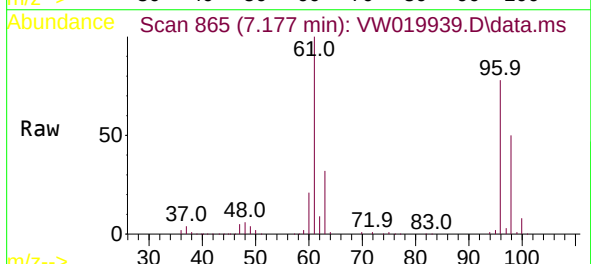
Instrument :
MSVOA_W
ClientSampled :

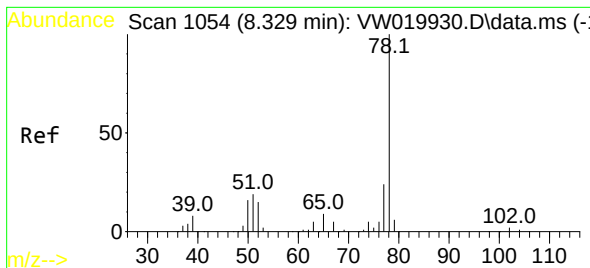
Tgt Ion: 84 Resp: 13204
Ion Ratio Lower Upper
84 100
86 58.9 45.3 84.1
49 105.1 86.6 160.8



#20
cis-1,2-Dichloroethene
Concen: 97.556 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW019939.D
Acq: 30 Aug 2021 15:08

Tgt Ion: 96 Resp: 431550
Ion Ratio Lower Upper
96 100
61 127.6 88.5 164.3
68 0.0 0.0 0.0





#33

Benzene

Concen: 0.486 ug/L

RT: 8.330 min Scan# 1054

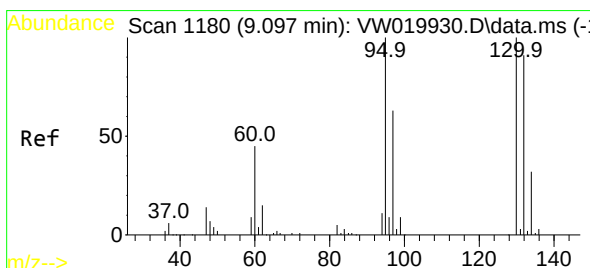
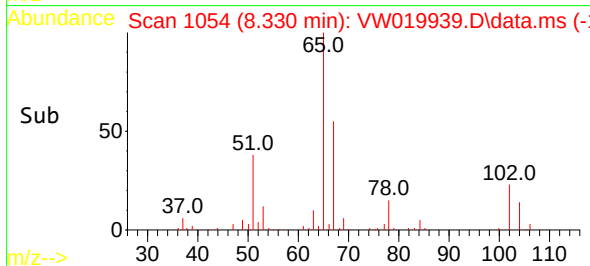
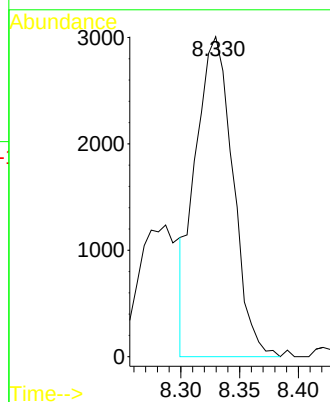
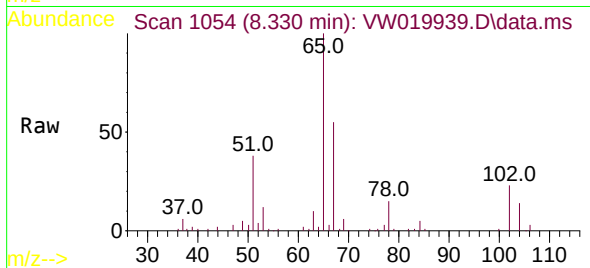
Delta R.T. 0.000 min

Lab File: VW019939.D

Acq: 30 Aug 2021 15:08

Tgt Ion: 78 Resp: 6667

Instrument :
MSVOA_W
ClientSampled :



#34

Trichloroethene

Concen: 448.297 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VW019939.D

Acq: 30 Aug 2021 15:08

Tgt Ion: 95 Resp: 1598887

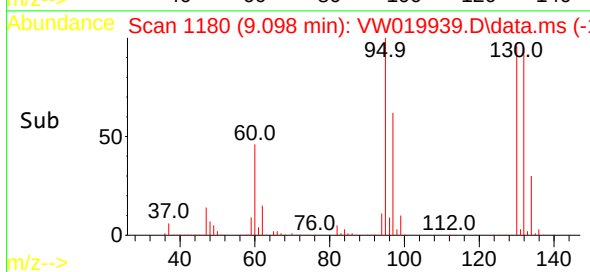
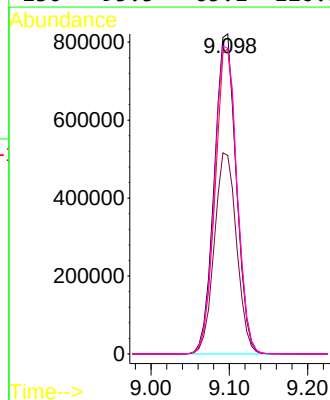
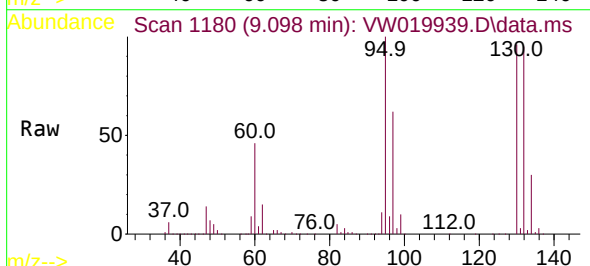
Ion Ratio Lower Upper

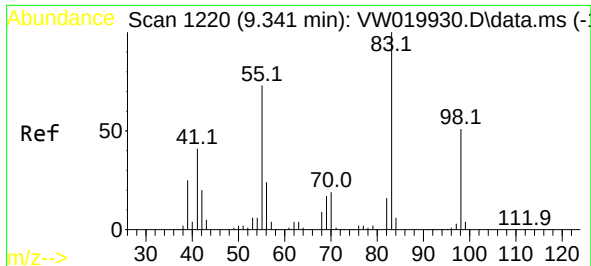
95 100

97 62.0 47.3 87.8

132 95.4 71.0 131.8

130 95.5 65.1 120.9

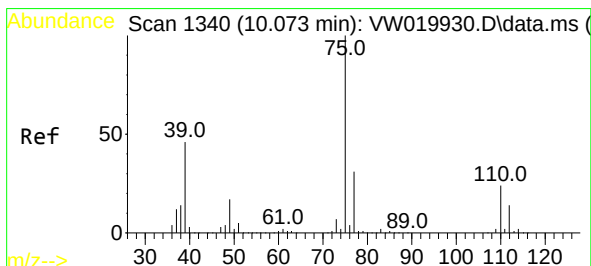
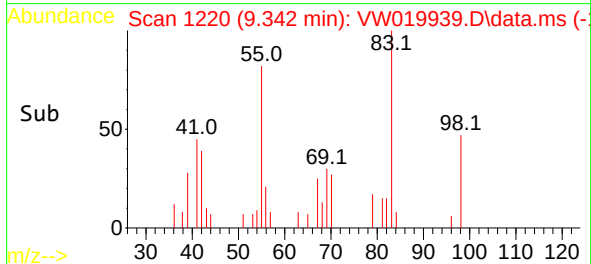
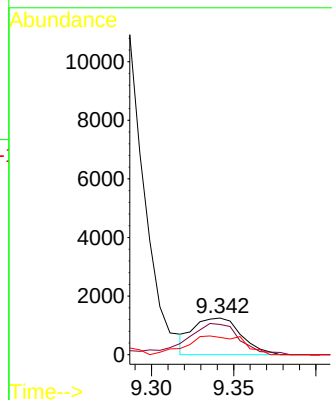
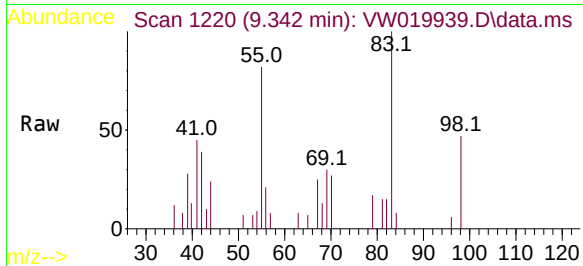




#35
Methylcyclohexane
Concen: 0.412 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.000 min
Lab File: VW019939.D
Acq: 30 Aug 2021 15:08

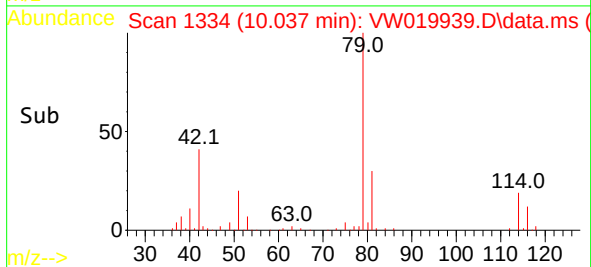
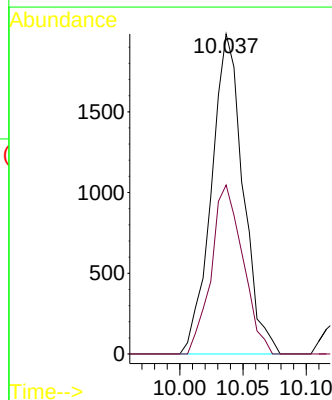
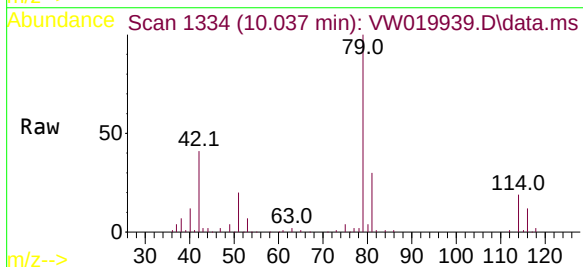
Instrument :
MSVOA_W
ClientSampled :

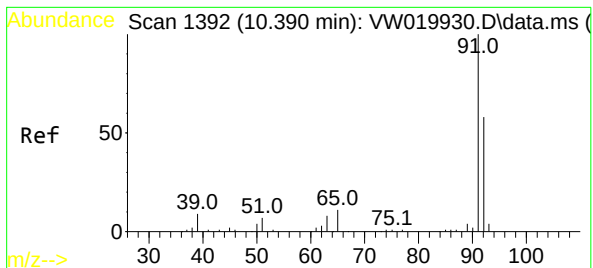
Tgt Ion: 83 Resp: 2518
Ion Ratio Lower Upper
83 100
55 96.8 58.9 88.3#
98 46.5 40.1 60.1



#39
cis-1,3-Dichloropropene
Concen: 0.691 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW019939.D
Acq: 30 Aug 2021 15:08

Tgt Ion: 75 Resp: 3458
Ion Ratio Lower Upper
75 100
77 52.8 22.6 42.0#





#42

Toluene

Concen: 1.579 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW019939.D

Acq: 30 Aug 2021 15:08

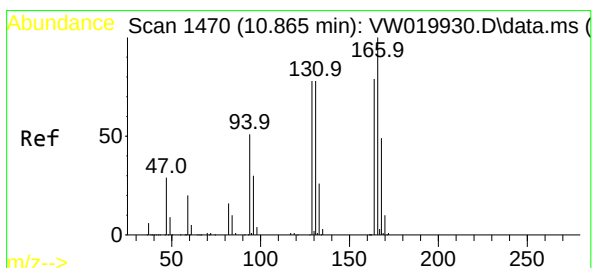
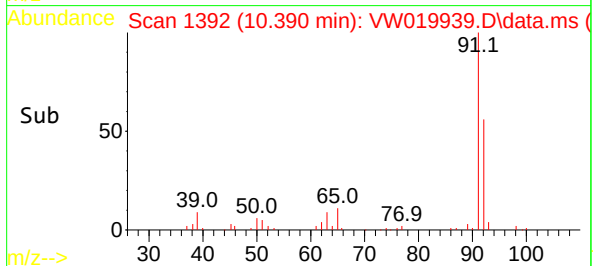
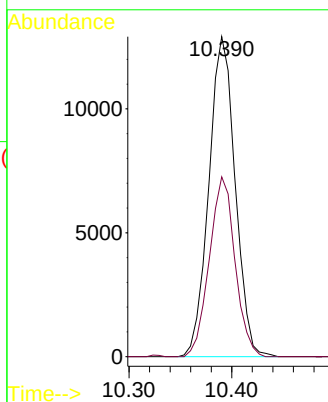
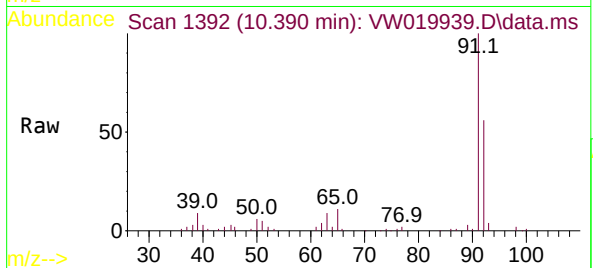
Tgt Ion: 91 Resp: 22954

Ion	Ratio	Lower	Upper
91	100		
92	56.2	39.5	73.3

Instrument :

MSVOA_W

ClientSampled :



#46

Tetrachloroethene

Concen: 5916.676 ug/L

RT: 10.872 min Scan# 1471

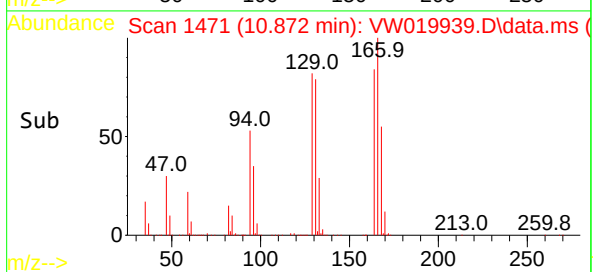
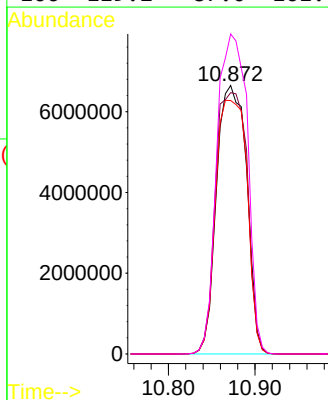
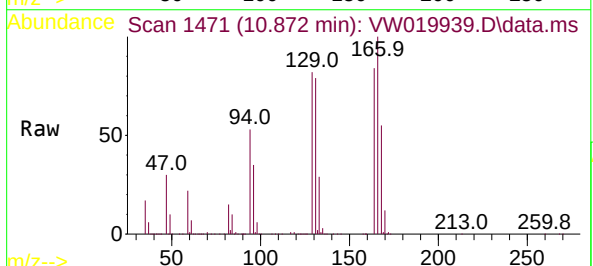
Delta R.T. 0.007 min

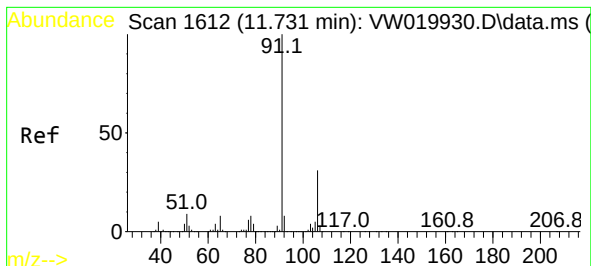
Lab File: VW019939.D

Acq: 30 Aug 2021 15:08

Tgt Ion:164 Resp:15984765

Ion	Ratio	Lower	Upper
164	100		
129	97.4	66.7	123.9
131	94.4	61.1	113.5
166	119.2	87.0	161.6

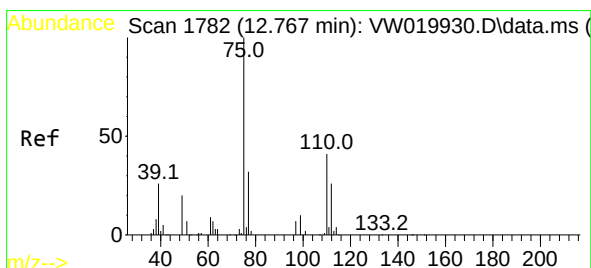
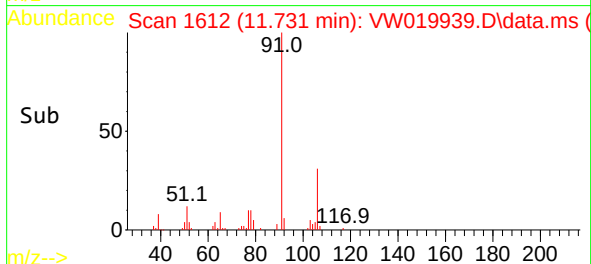
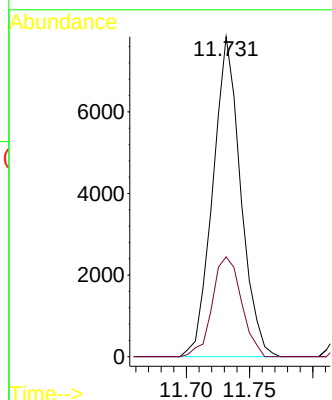
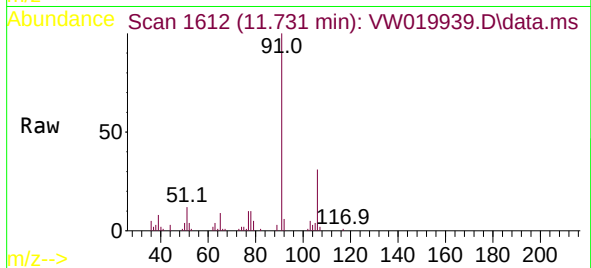




#52
Ethylbenzene
Concen: 0.767 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW019939.D
Acq: 30 Aug 2021 15:08

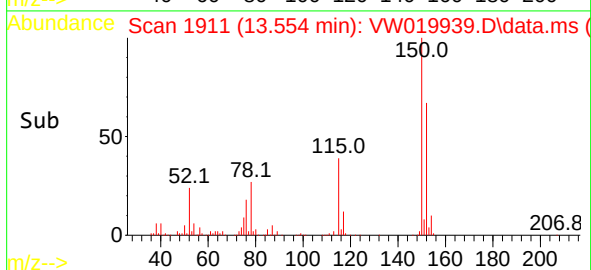
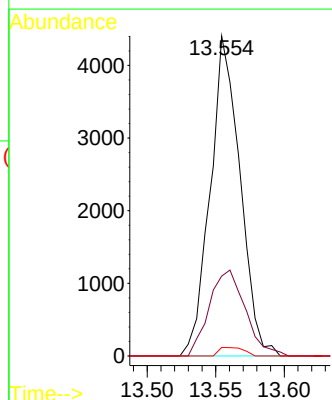
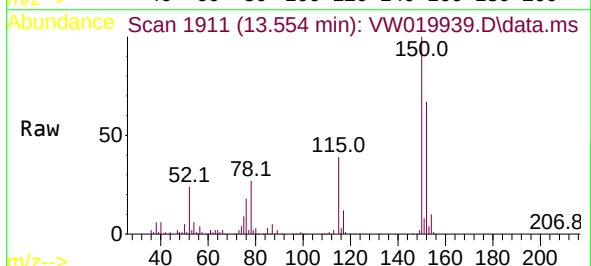
Instrument :
MSVOA_W
ClientSampled :

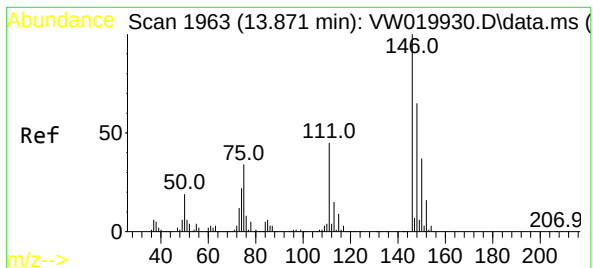
Tgt Ion: 91 Resp: 12002
Ion Ratio Lower Upper
91 100
106 31.2 22.5 41.7



#61
1,2,3-Trichloropropane
Concen: 6.789 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.787 min
Lab File: VW019939.D
Acq: 30 Aug 2021 15:08

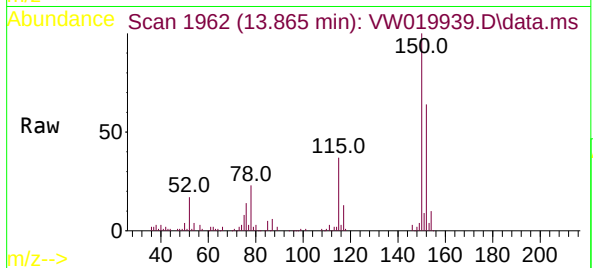
Tgt Ion: 75 Resp: 6668
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9
110 2.2 32.6 48.8#





#67
 1,2-Dichlorobenzene
 Concen: 0.421 ug/L
 RT: 13.865 min Scan# 1962
 Delta R.T. -0.006 min
 Lab File: VW019939.D
 Acq: 30 Aug 2021 15:08

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	146	Resp:	1158
Ion Ratio	Lower	Upper	
146	100		
111	92.5	33.2	49.8#
148	82.5	50.4	75.6#

