

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083021\
 Data File : VW019937.D
 Acq On : 30 Aug 2021 14:21
 Operator : SY/VA
 Sample : M3579-04
 Misc : 6.68g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 01:03:52 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)

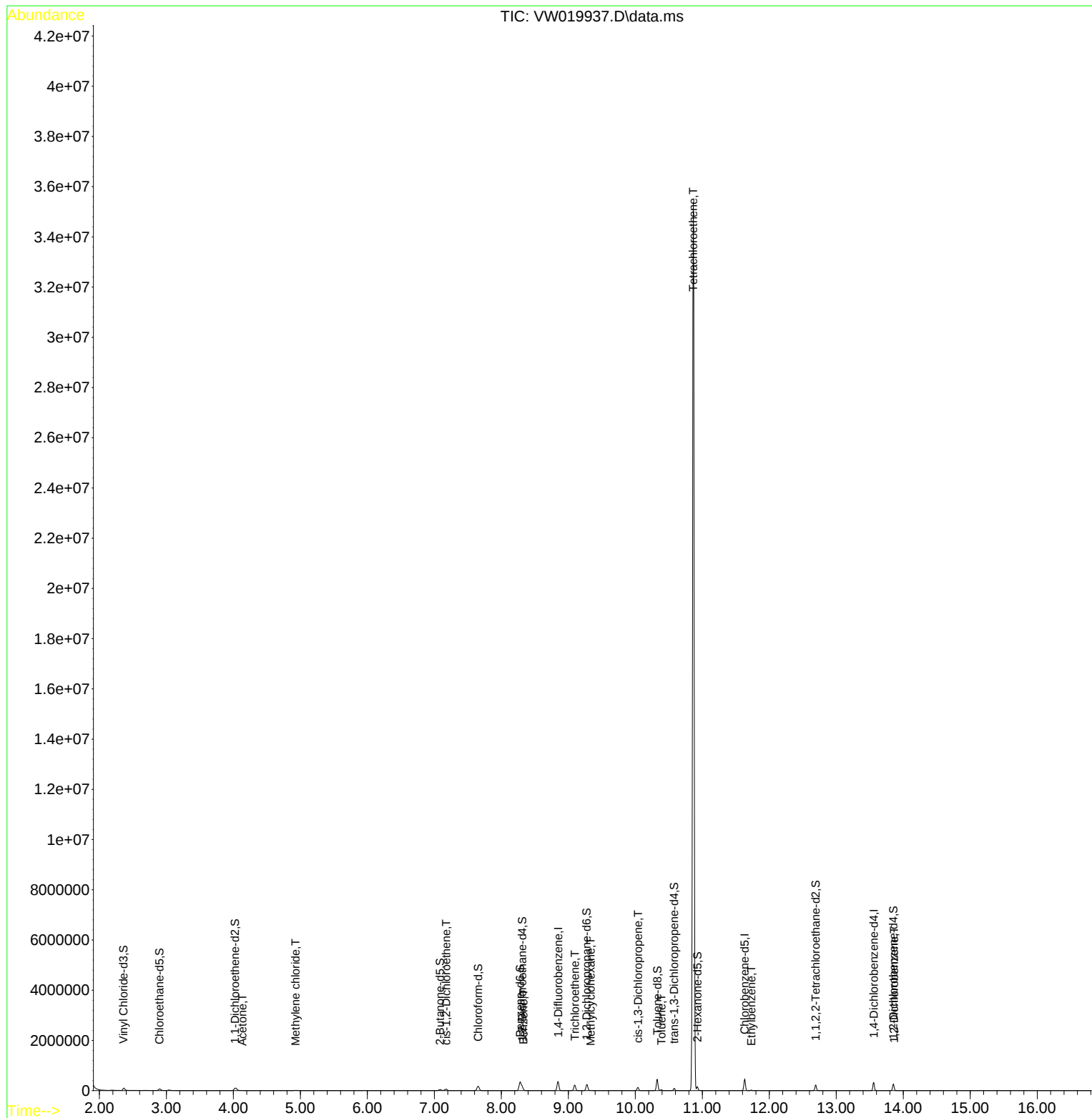
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	303252	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	254059	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	85222	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	98491	20.962	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.840%
7) Chloroethane-d5	2.898	69	89205	21.630	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.520%
11) 1,1-Dichloroethene-d2	4.025	63	115512	14.168	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.680%
21) 2-Butanone-d5	7.086	46	71761	75.191	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	150.380%#
24) Chloroform-d	7.653	84	181818	21.801	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	8.311	65	115973	25.804	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	8.281	84	352626	24.343	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.360%
36) 1,2-Dichloropropane-d6	9.275	67	114602	26.125	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.480%
41) Toluene-d8	10.329	98	293404	22.102	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	10.579	79	49941	27.558	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.240%
47) 2-Hexanone-d5	10.927	63	53274	87.176	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	174.360%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	112229	31.434	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	125.720%#
66) 1,2-Dichlorobenzene-d4	13.853	152	65552	22.424	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.680%
Target Compounds						Qvalue
13) Acetone	4.135	43	6950	8.530	ug/L	93
16) Methylene chloride	4.928	84	8548	1.642	ug/L	94
20) cis-1,2-Dichloroethene	7.177	96	35443	8.117	ug/L	94
33) Benzene	8.330	78	7455	0.478	ug/L	100
34) Trichloroethene	9.098	95	77919	19.222	ug/L	94
35) Methylcyclohexane	9.335	83	3028	0.436	ug/L	95
39) cis-1,3-Dichloropropene	10.043	75	3300	0.580	ug/L #	78
42) Toluene	10.390	91	24421	1.478	ug/L	98
46) Tetrachloroethene	10.866	164	7118444	2318.299	ug/L	93
52) Ethylbenzene	11.731	91	15473	0.870	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	1868	0.400	ug/L #	69

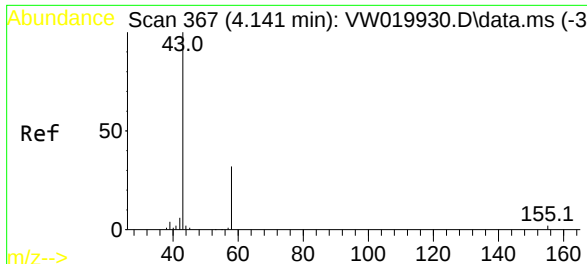
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

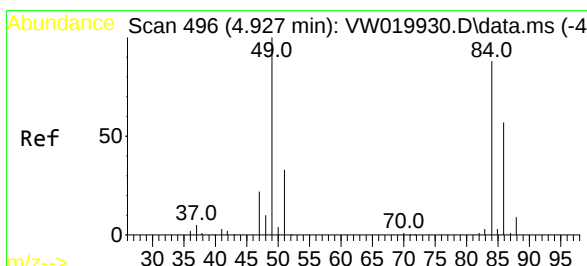
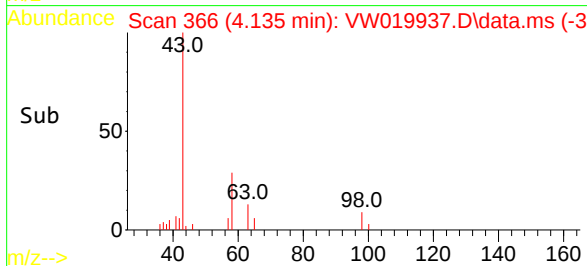
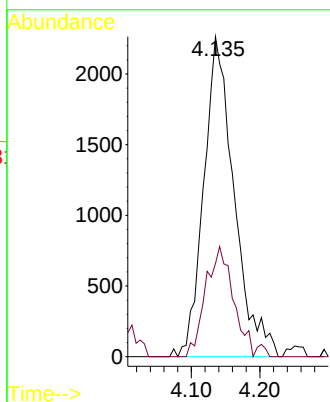
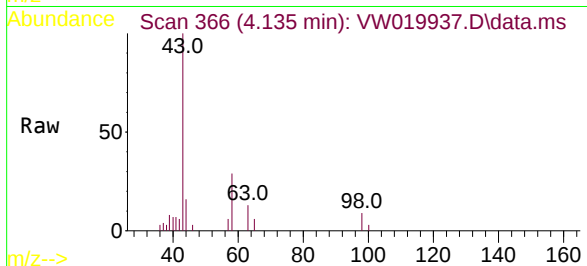




#13
Acetone
Concen: 8.530 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

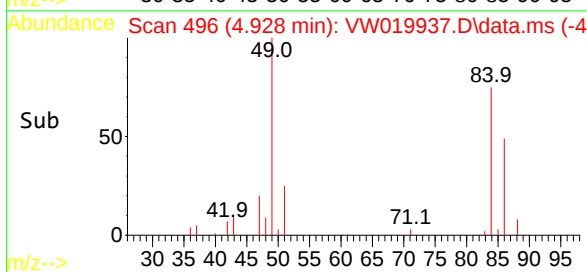
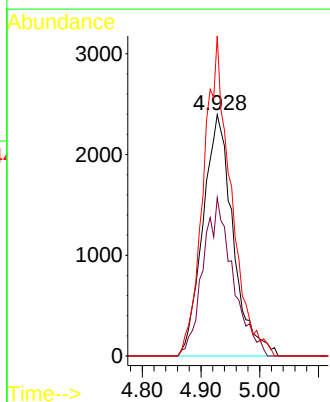
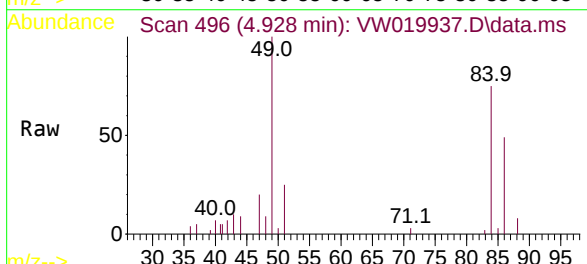
Instrument :
MSVOA_W
ClientSampled :

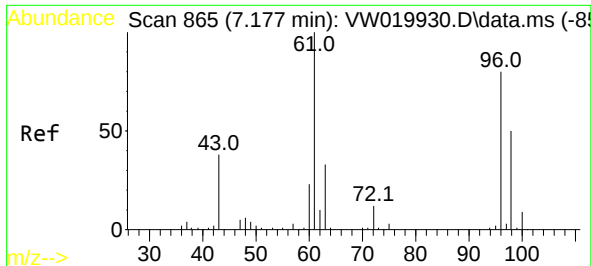
Tgt Ion: 43 Resp: 6950
Ion Ratio Lower Upper
43 100
58 30.4 0.0 53.8



#16
Methylene chloride
Concen: 1.642 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.000 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

Tgt Ion: 84 Resp: 8548
Ion Ratio Lower Upper
84 100
86 65.6 45.3 84.1
49 132.6 86.6 160.8

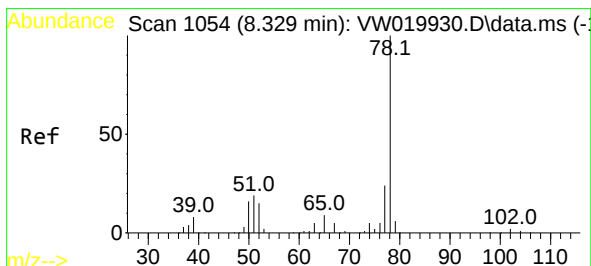
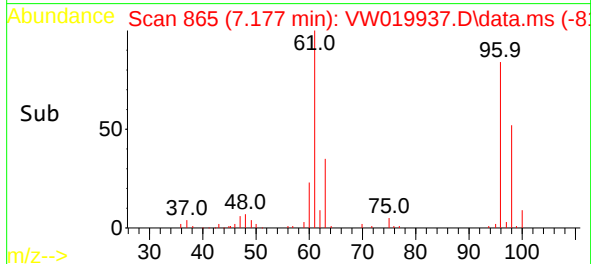
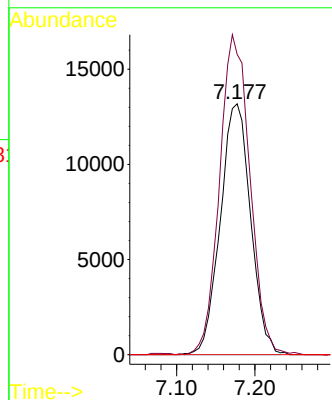
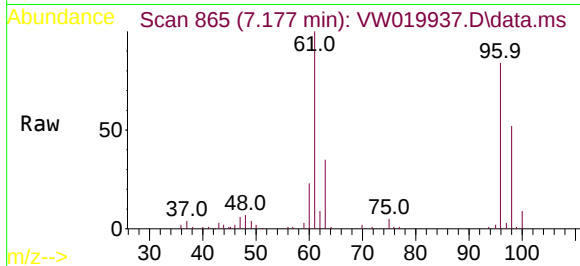




#20
 cis-1,2-Dichloroethene
 Concen: 8.117 ug/L
 RT: 7.177 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VW019937.D
 Acq: 30 Aug 2021 14:21

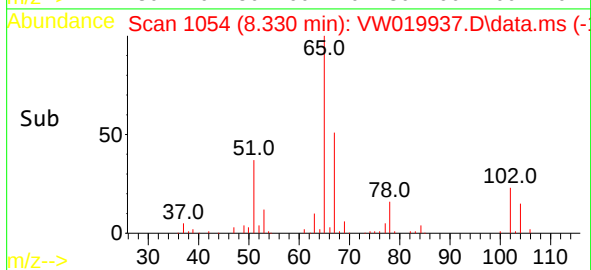
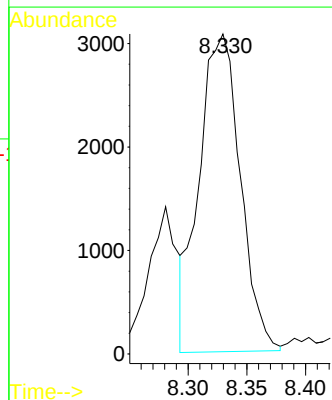
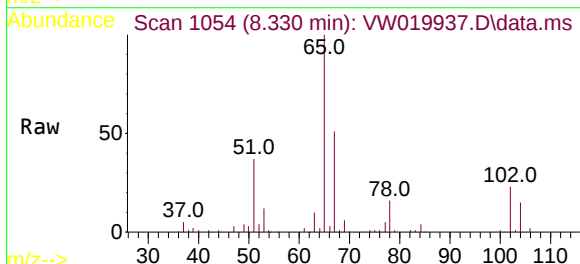
Instrument :
 MSVOA_W
 ClientSampled :

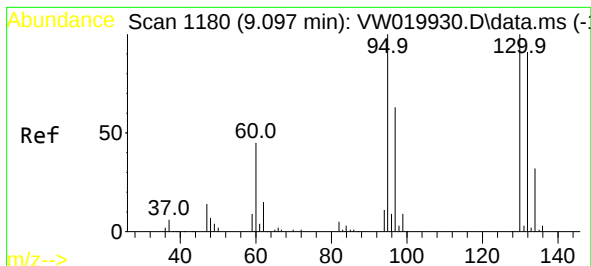
Tgt Ion: 96 Resp: 35443
 Ion Ratio Lower Upper
 96 100
 61 119.7 88.5 164.3
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.478 ug/L
 RT: 8.330 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VW019937.D
 Acq: 30 Aug 2021 14:21

Tgt Ion: 78 Resp: 7455



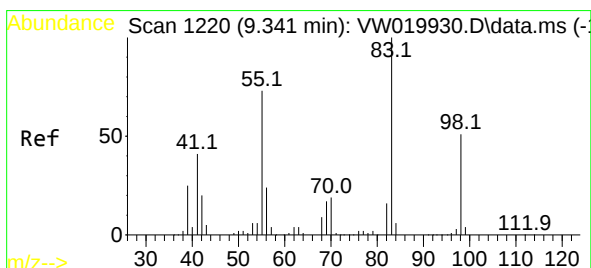
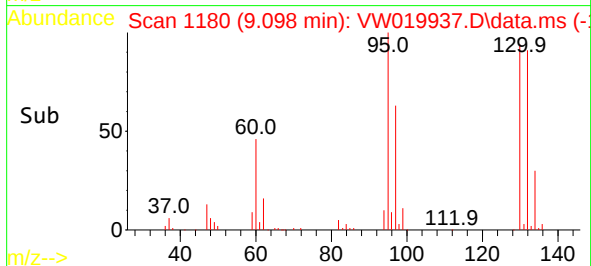
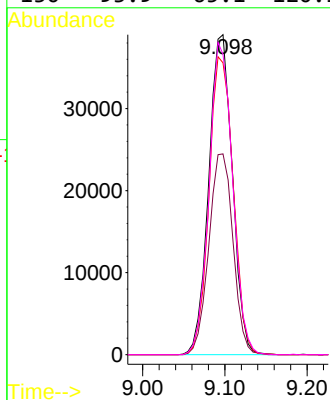
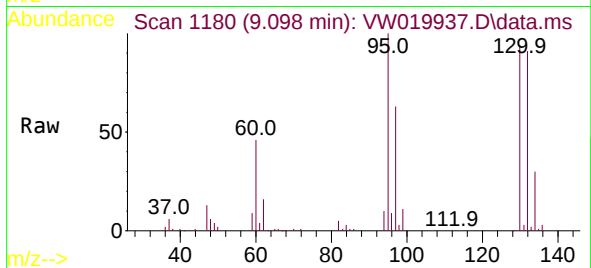


#34
Trichloroethene
Concen: 19.222 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 95 Resp: 77919

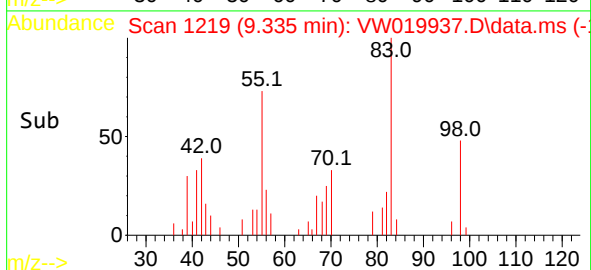
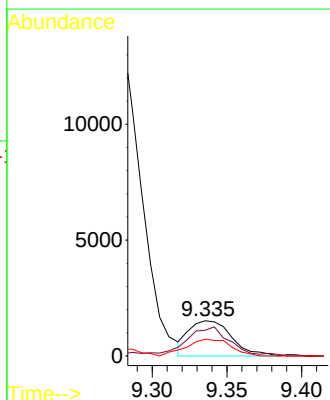
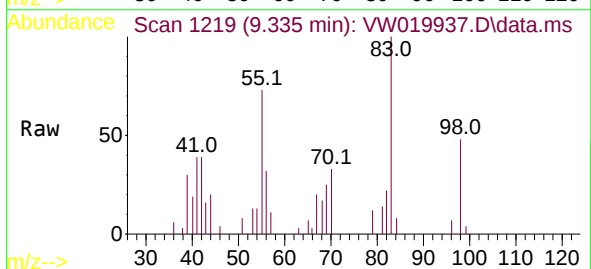
Ion	Ratio	Lower	Upper
95	100		
97	62.7	47.3	87.8
132	91.2	71.0	131.8
130	93.9	65.1	120.9

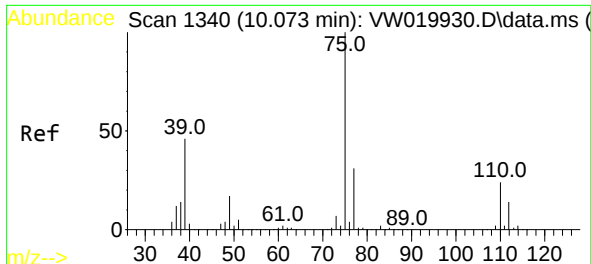


#35
Methylcyclohexane
Concen: 0.436 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.006 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

Tgt Ion: 83 Resp: 3028

Ion	Ratio	Lower	Upper
83	100		
55	79.7	58.9	88.3
98	49.4	40.1	60.1

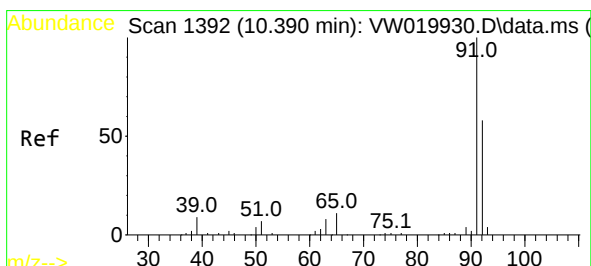
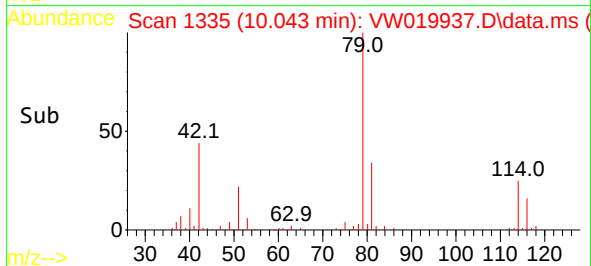
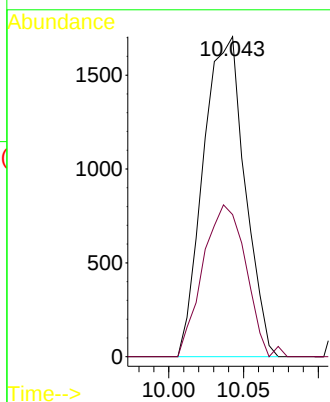
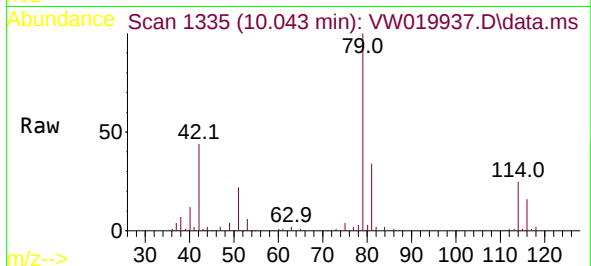




#39
cis-1,3-Dichloropropene
Concen: 0.580 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.030 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

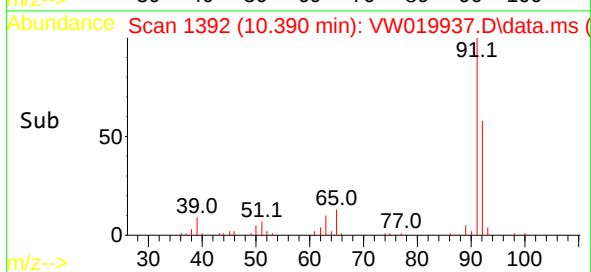
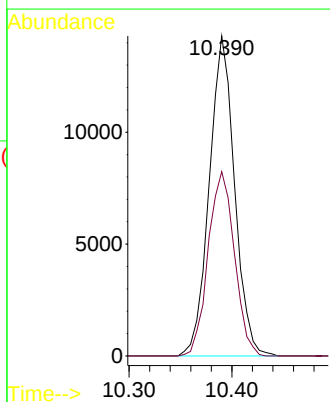
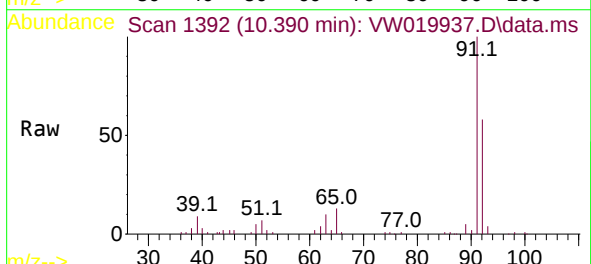
Instrument :
MSVOA_W
ClientSampled :

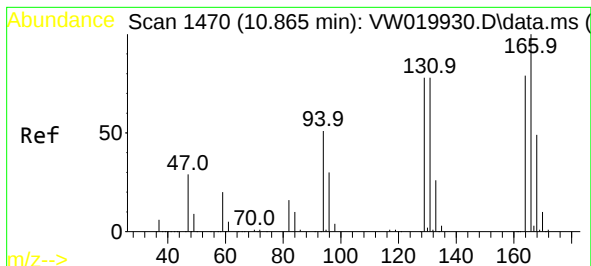
Tgt Ion: 75 Resp: 3300
Ion Ratio Lower Upper
75 100
77 44.4 22.6 42.0#



#42
Toluene
Concen: 1.478 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

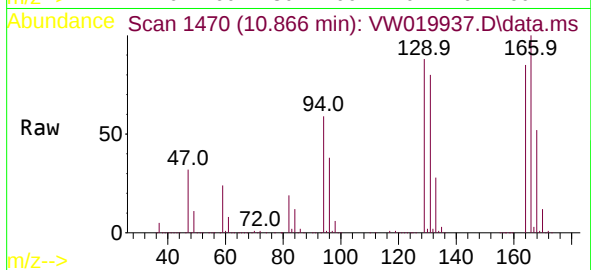
Tgt Ion: 91 Resp: 24421
Ion Ratio Lower Upper
91 100
92 57.6 39.5 73.3



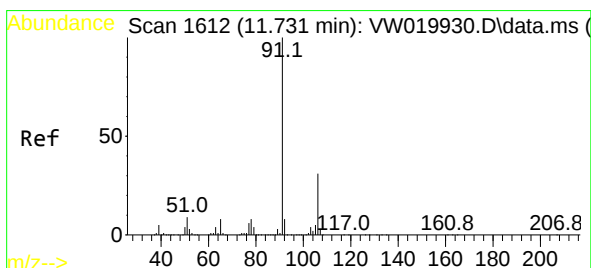
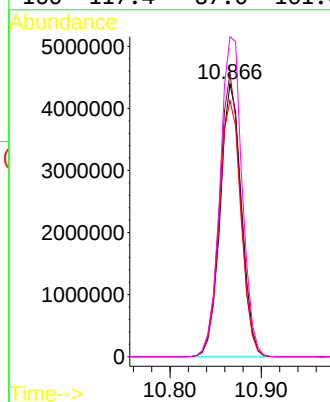
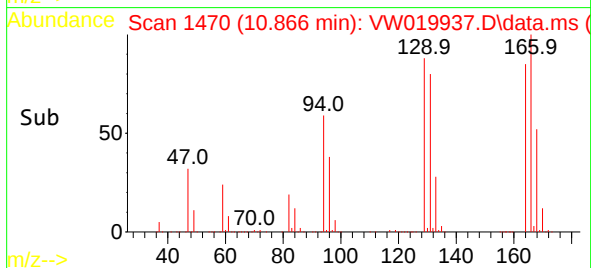


#46
Tetrachloroethene
Concen: 2318.299 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

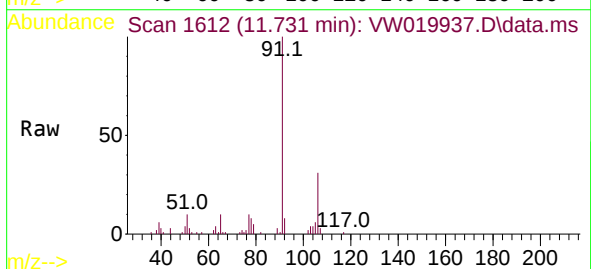
Instrument :
MSVOA_W
ClientSampled :



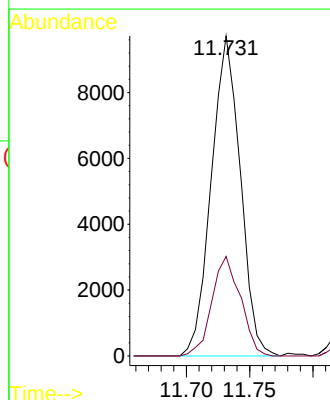
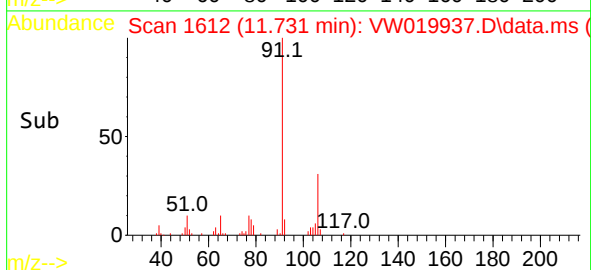
Tgt Ion:164 Resp: 7118444
Ion Ratio Lower Upper
164 100
129 103.8 66.7 123.9
131 94.0 61.1 113.5
166 117.4 87.0 161.6

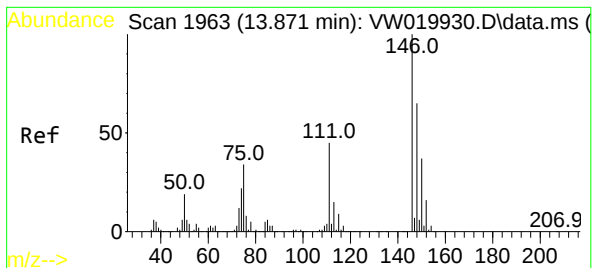


#52
Ethylbenzene
Concen: 0.870 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21



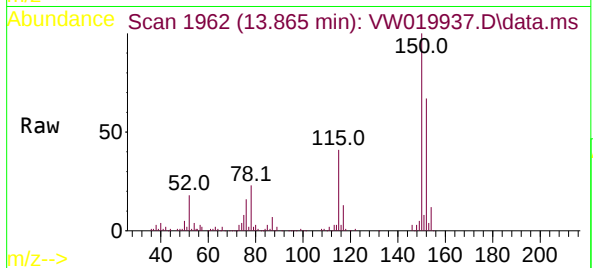
Tgt Ion: 91 Resp: 15473
Ion Ratio Lower Upper
91 100
106 31.1 22.5 41.7





#67
1,2-Dichlorobenzene
Concen: 0.400 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019937.D
Acq: 30 Aug 2021 14:21

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:146 Resp: 1868
Ion Ratio Lower Upper
146 100
111 66.5 33.2 49.8#
148 82.9 50.4 75.6#

