

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042721\
 Data File : VW018798.D
 Acq On : 27 Apr 2021 11:47
 Operator : SY/VA
 Sample : M2166-09
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB3H0

Quant Time: Apr 28 00:41:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 28 00:41:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	529922	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	487840	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	234039	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	129118	16.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.12%
7) Chloroethane-d5	2.892	69	116550	16.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.32%
11) 1,1-Dichloroethene-d2	4.019	63	291945	20.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.48%
21) 2-Butanone-d5	7.074	46	99771	54.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.86%
24) Chloroform-d	7.647	84	342243	23.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.12%
26) 1,2-Dichloroethane-d4	8.305	65	200444	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.04%
32) Benzene-d6	8.269	84	654285	22.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	9.274	67	210334	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.56%
41) Toluene-d8	10.323	98	592087	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
43) trans-1,3-Dichloroprop...	10.579	79	91998	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.24%
47) 2-Hexanone-d5	10.921	63	83720	55.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.66%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	186579	25.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.60%
66) 1,2-Dichlorobenzene-d4	13.853	152	211506	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	105760	15.35	ug/L	95
6) Bromomethane	2.782	94	51953	6.56	ug/L	100
9) Trichlorofluoromethane	3.257	101	99530	17.89	ug/L	99
12) 1,1-Dichloroethene	4.044	96	160686	23.07	ug/L	97
13) Acetone	4.123	43	118705	89.21	ug/L	89
15) Methyl Acetate	4.666	43	126357	41.64	ug/L	95
16) Methylene chloride	4.916	84	98298	11.32	ug/L	90
17) trans-1,2-Dichloroethene	5.428	96	85972	11.48	ug/L	98
18) Methyl tert-butyl Ether	5.422	73	340531	33.97	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	227213	28.51	ug/L	99
23) Bromochloromethane	7.513	128	55440	16.07	ug/L	91
27) 1,2-Dichloroethane	8.397	62	104737	11.00	ug/L	98
29) Cyclohexane	7.958	56	136192	11.34	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	121777	11.41	ug/L	98
31) Carbon tetrachloride	8.067	117	140229	14.57	ug/L	96
34) Trichloroethene	9.092	95	353641	44.83	ug/L	93
35) Methylcyclohexane	9.335	83	392521	28.63	ug/L	98
37) 1,2-Dichloropropane	9.366	63	105687	13.63	ug/L	98
38) Bromodichloromethane	9.646	83	211523	21.43	ug/L	96

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

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

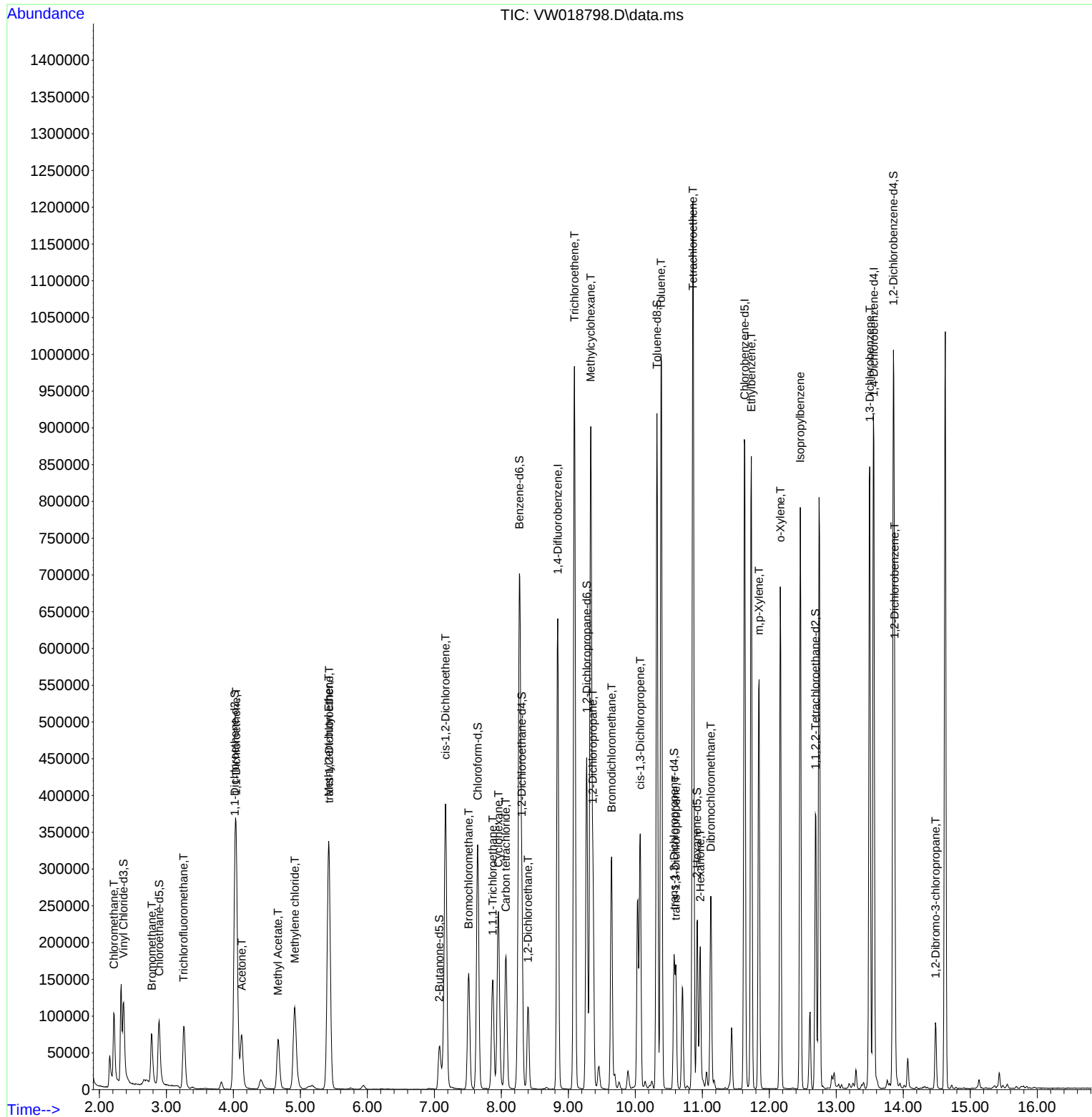
39) cis-1,3-Dichloropropene	10.073	75	211574	18.38	ug/L	98
42) Toluene	10.384	91	735035	22.35	ug/L	100
44) trans-1,3-Dichloropropene	10.604	75	86587	8.61	ug/L	96
46) Tetrachloroethene	10.860	164	264191	47.40	ug/L	98
48) 2-Hexanone	10.969	43	116116	38.55	ug/L	94
49) Dibromochloromethane	11.128	129	131982	21.53	ug/L	90
52) Ethylbenzene	11.731	91	614695	16.92	ug/L	96
53) m,p-Xylene	11.847	106	148440	11.14	ug/L	95
54) o-Xylene	12.164	106	175252	13.70	ug/L	97
60) Isopropylbenzene	12.463	105	483263	14.04	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	328101	22.49	ug/L	93
67) 1,2-Dichlorobenzene	13.871	146	148745	11.08	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.481	75	22009	19.81	ug/L	96

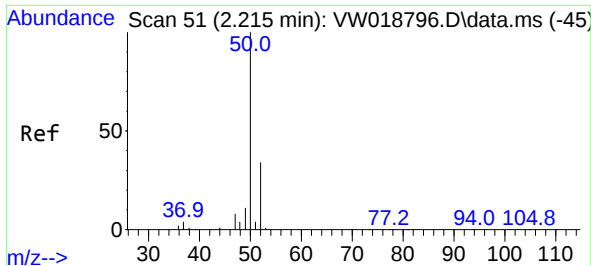
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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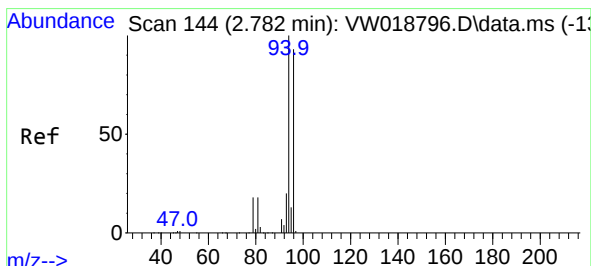
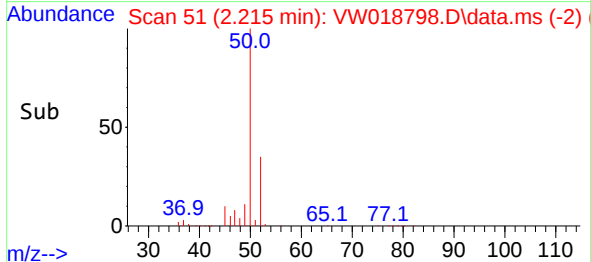
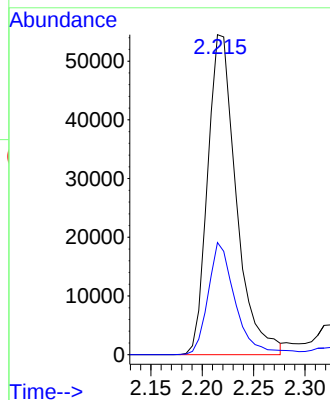
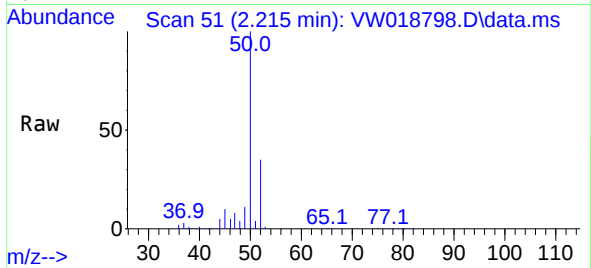




#3
Chloromethane
Concen: 15.35 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

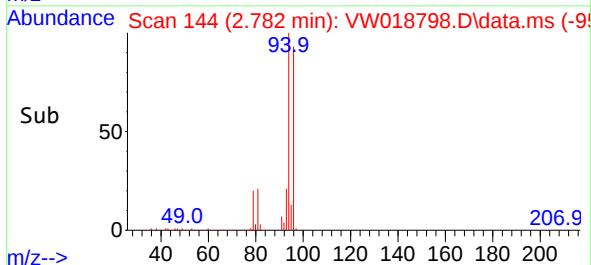
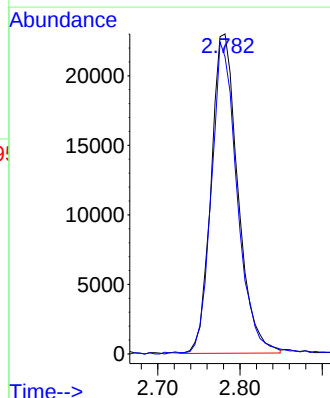
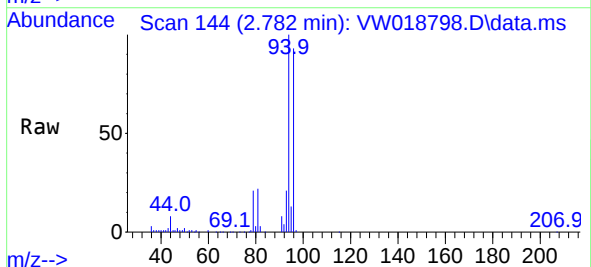
Instrument :
MSVOA_W
ClientSampled :
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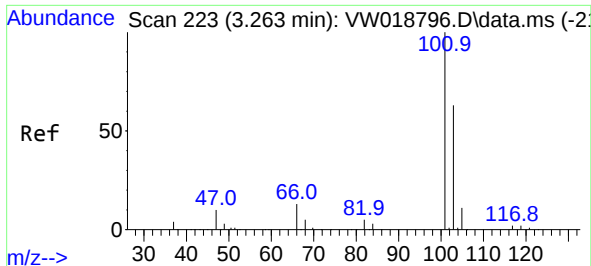
Tgt Ion: 50 Resp: 105760
Ion Ratio Lower Upper
50 100
52 35.1 22.5 41.9



#6
Bromomethane
Concen: 6.56 ug/L
RT: 2.782 min Scan# 144
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 94 Resp: 51953
Ion Ratio Lower Upper
94 100
96 92.9 65.3 121.3

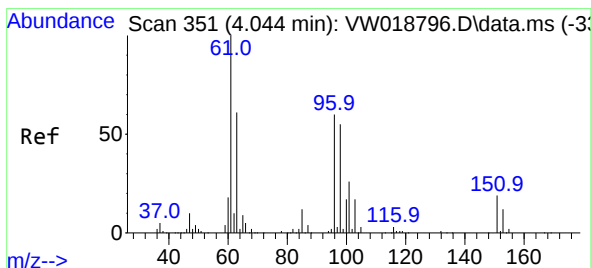
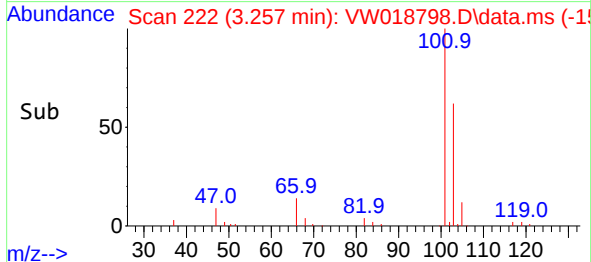
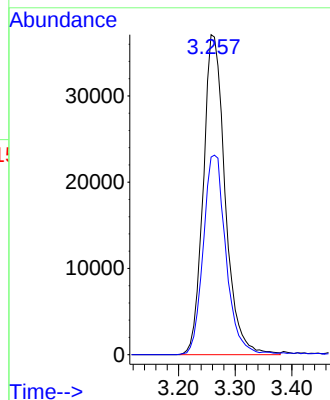
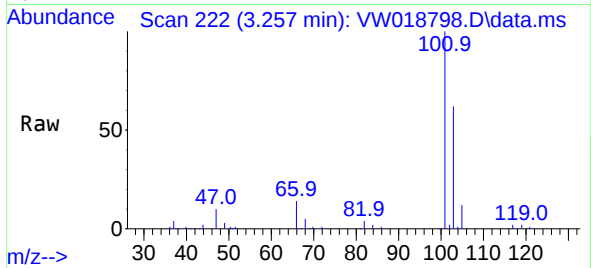




#9
Trichlorofluoromethane
Concen: 17.89 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

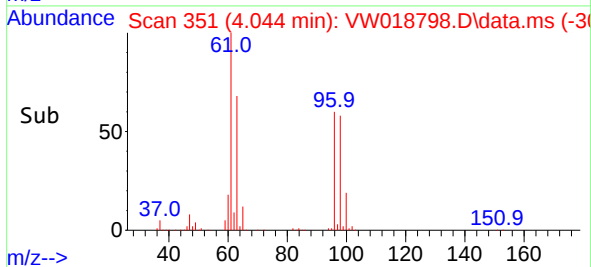
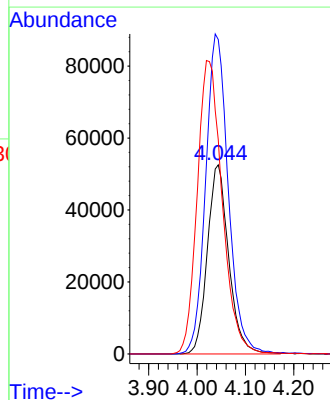
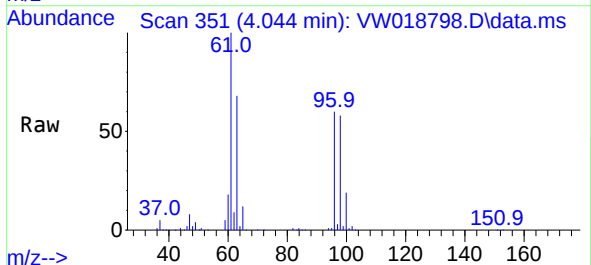
Instrument :
MSVOA_W
ClientSampled :
GB3H0

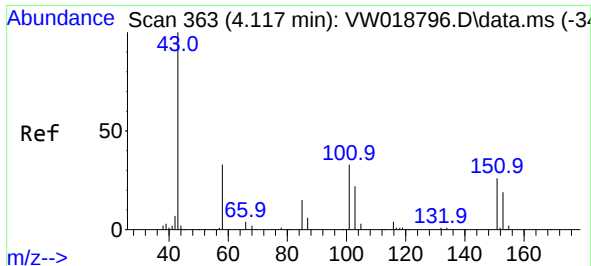
Tgt Ion:101 Resp: 99530
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4



#12
1,1-Dichloroethene
Concen: 23.07 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 96 Resp: 160686
Ion Ratio Lower Upper
96 100
61 166.2 118.1 219.3
63 113.2 83.7 155.5

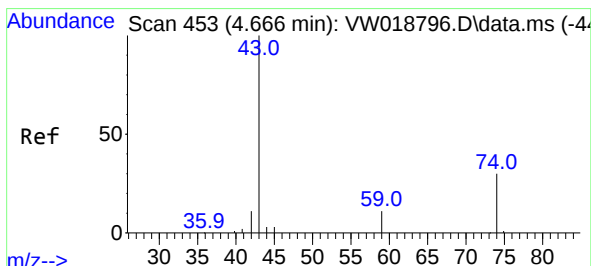
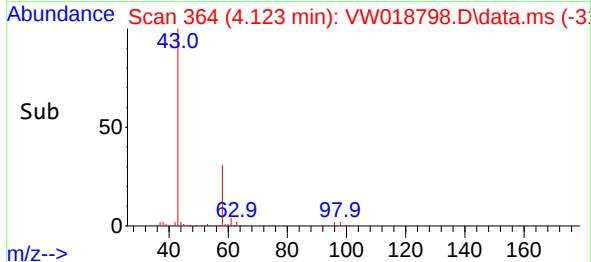
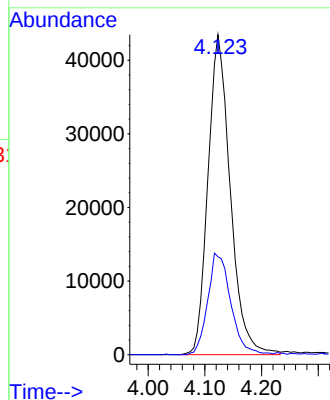
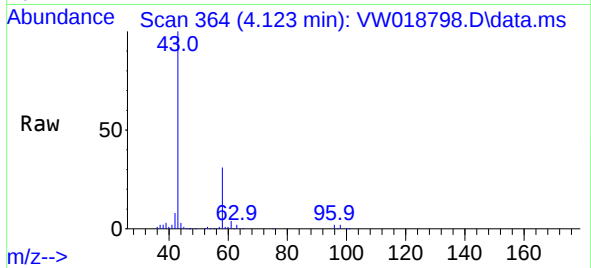




#13
Acetone
Concen: 89.21 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

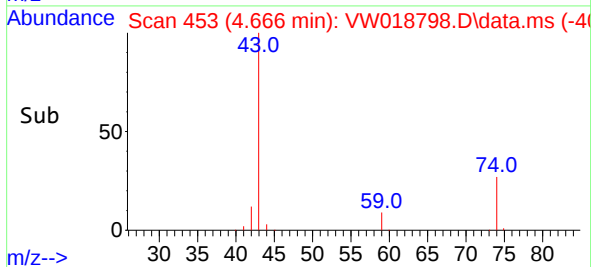
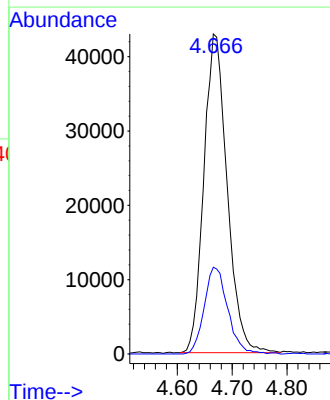
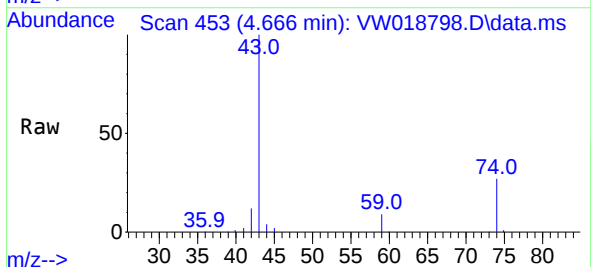
Instrument :
MSVOA_W
ClientSampleId :
GB3H0

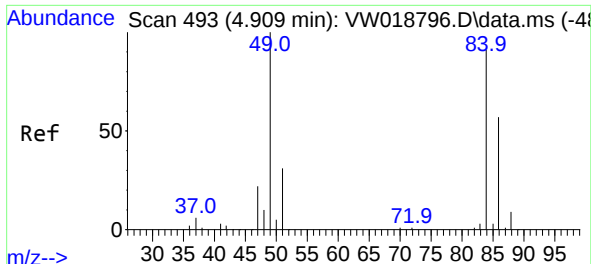
Tgt Ion: 43 Resp: 118705
Ion Ratio Lower Upper
43 100
58 32.5 0.0 53.8



#15
Methyl Acetate
Concen: 41.64 ug/L
RT: 4.666 min Scan# 453
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 43 Resp: 126357
Ion Ratio Lower Upper
43 100
74 27.4 20.0 30.0

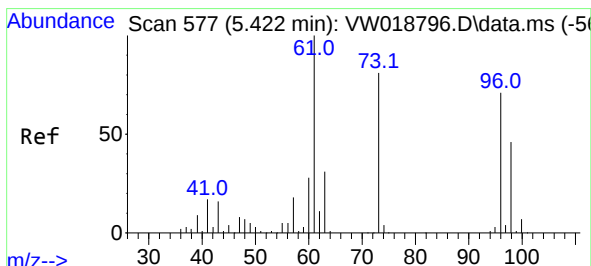
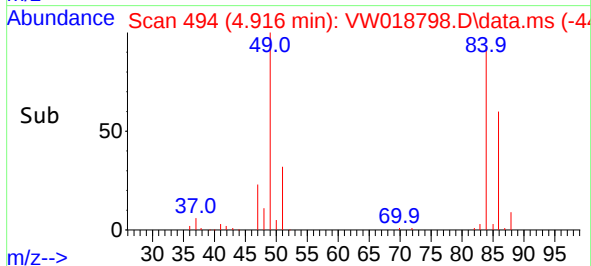
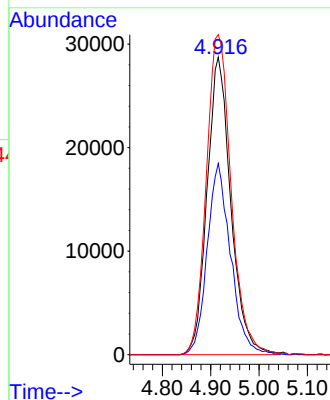
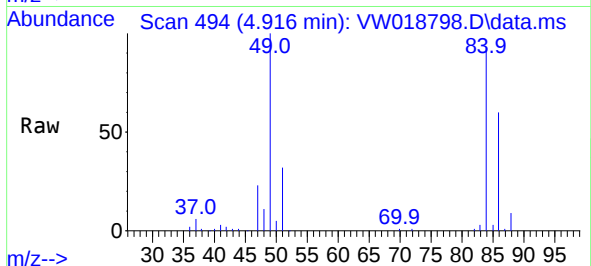




#16
Methylene chloride
Concen: 11.32 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

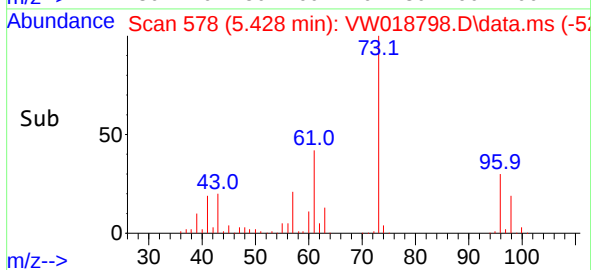
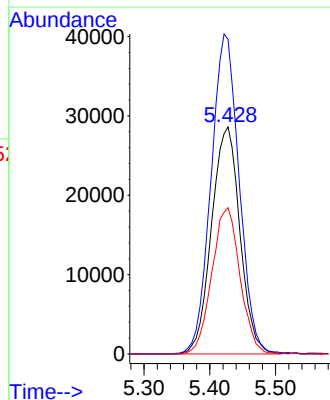
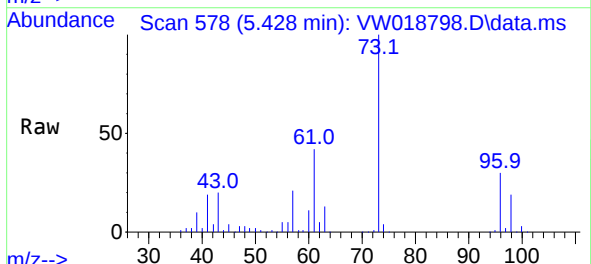
Instrument :
MSVOA_W
ClientSampleId :
GB3H0

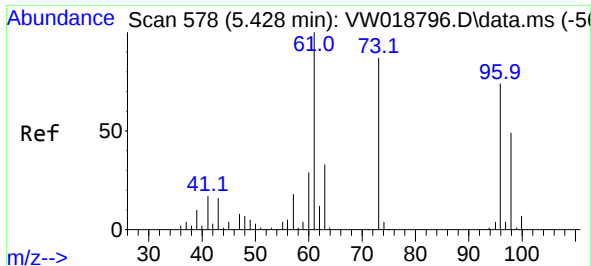
Tgt Ion: 84 Resp: 98298
Ion Ratio Lower Upper
84 100
86 64.3 45.3 84.1
49 107.5 86.6 160.8



#17
trans-1,2-Dichloroethene
Concen: 11.48 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 96 Resp: 85972
Ion Ratio Lower Upper
96 100
61 138.6 98.3 182.7
98 64.4 46.1 85.7

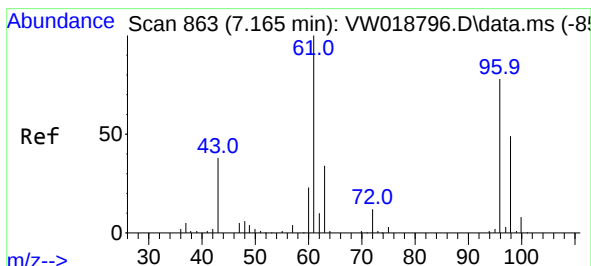
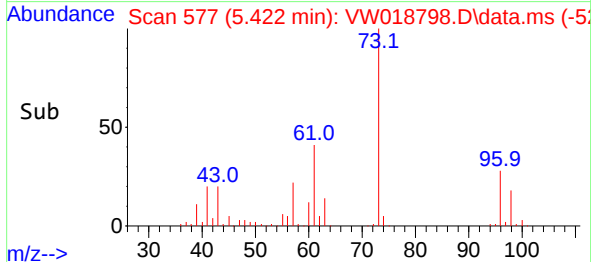
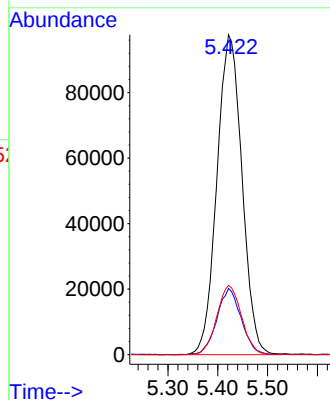
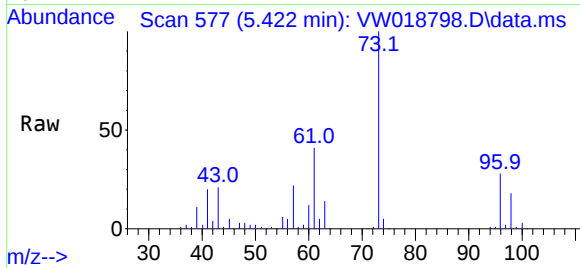




#18
Methyl tert-butyl Ether
Concen: 33.97 ug/L
RT: 5.422 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

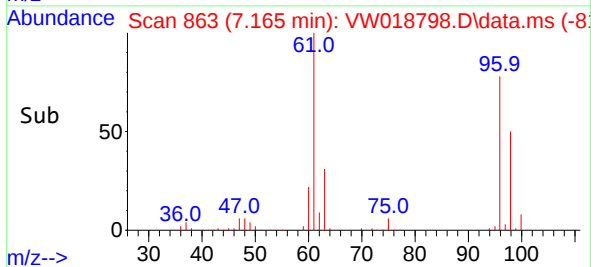
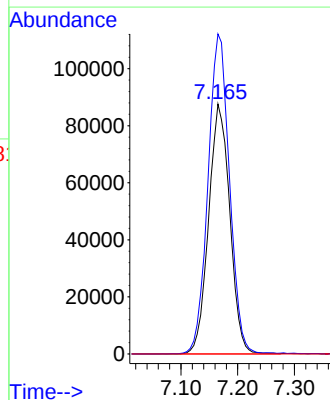
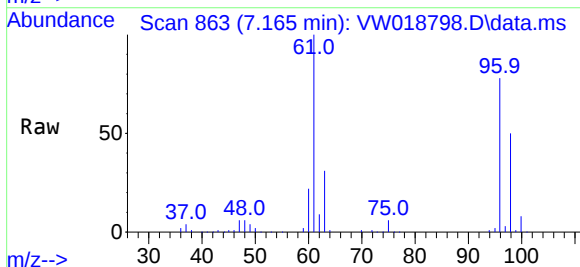
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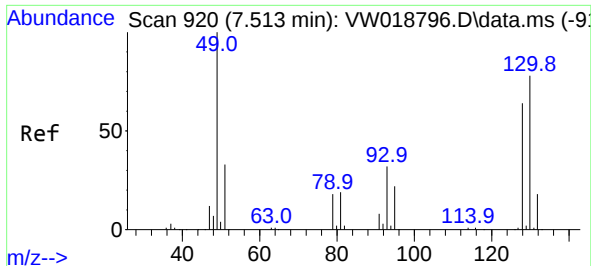
Tgt Ion: 73 Resp: 340531
Ion Ratio Lower Upper
73 100
43 20.0 17.7 26.5
57 21.3 17.0 25.4



#20
cis-1,2-Dichloroethene
Concen: 28.51 ug/L
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 96 Resp: 227213
Ion Ratio Lower Upper
96 100
61 128.1 88.5 164.3
68 0.0 0.0 0.0



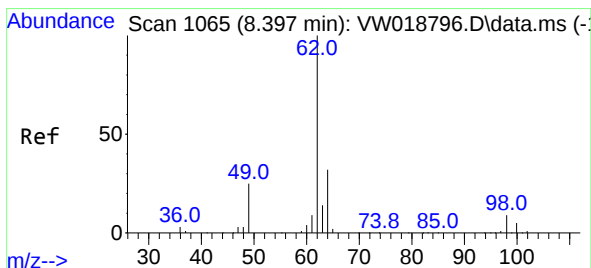
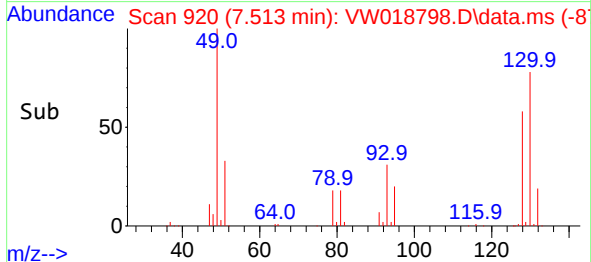
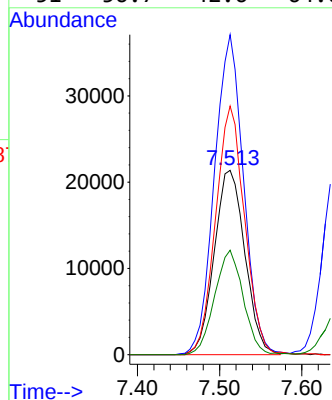
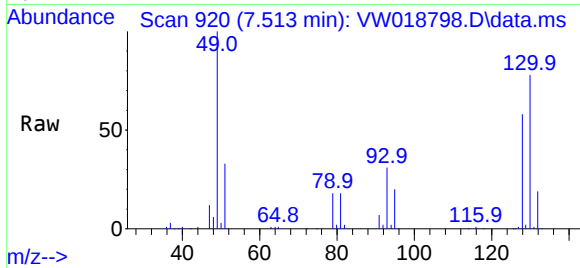


#23
Bromochloromethane
Concen: 16.07 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Instrument :
MSVOA_W
ClientSampled :
GB3H0

Tgt Ion:128 Resp: 55440

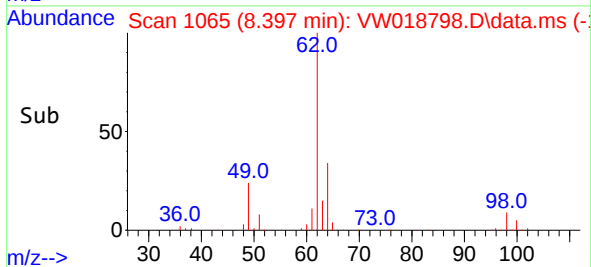
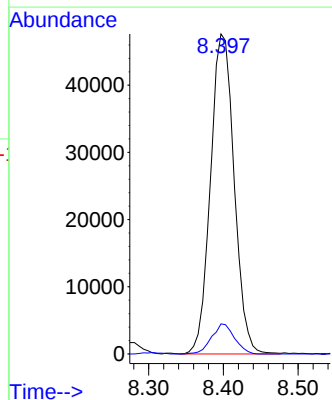
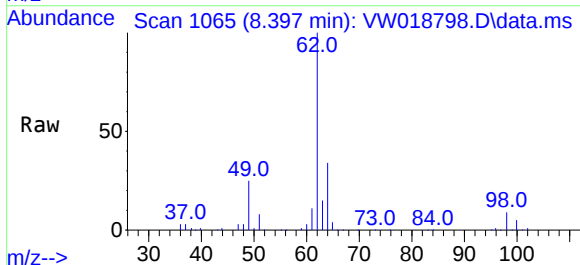
Ion	Ratio	Lower	Upper
128	100		
49	173.5	116.3	215.9
130	134.9	82.4	153.0
51	56.7	42.6	64.0

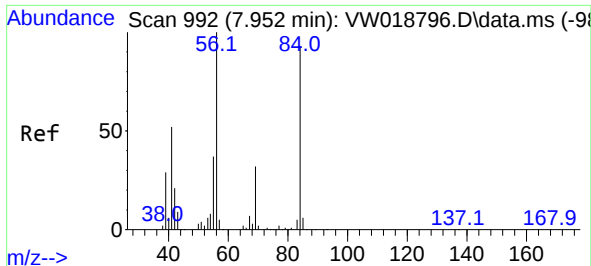


#27
1,2-Dichloroethane
Concen: 11.00 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 62 Resp: 104737

Ion	Ratio	Lower	Upper
62	100		
98	9.4	6.9	10.3

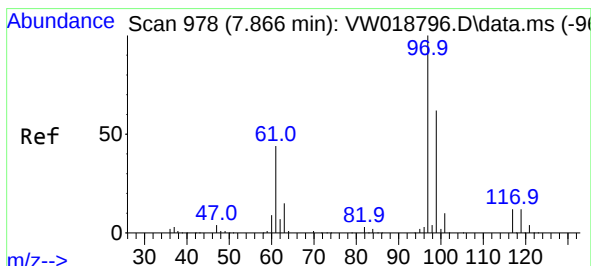
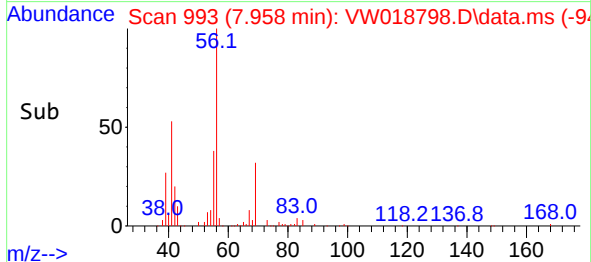
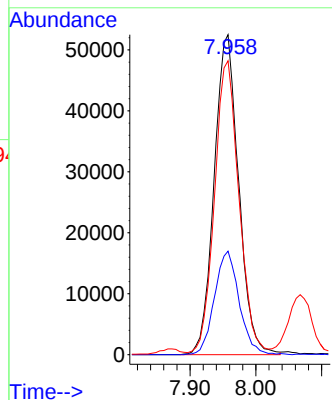
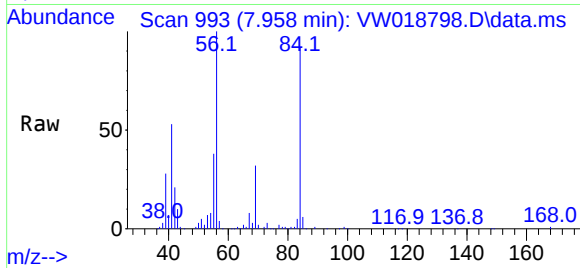




#29
Cyclohexane
Concen: 11.34 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

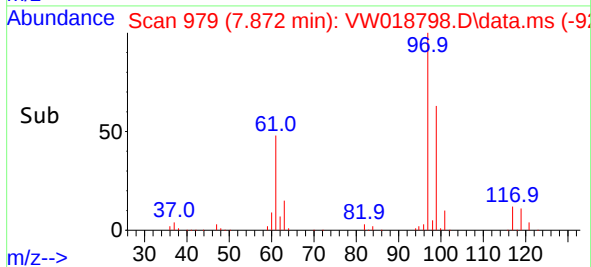
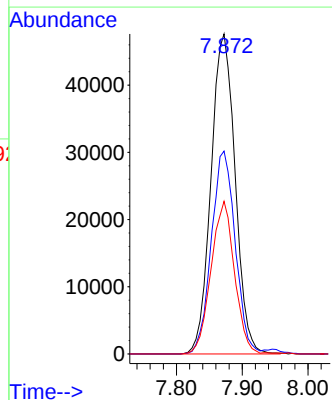
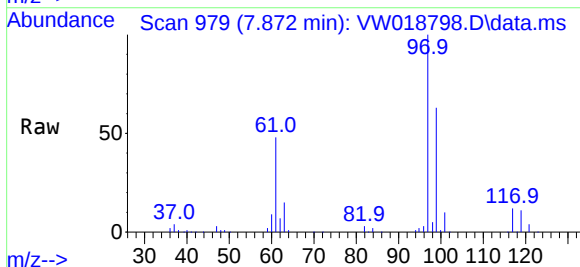
Instrument :
MSVOA_W
ClientSampled :
GB3H0

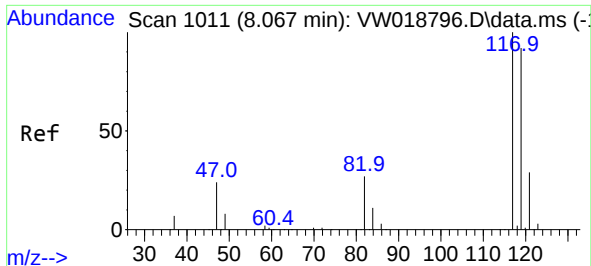
Tgt Ion: 56 Resp: 136192
Ion Ratio Lower Upper
56 100
69 32.5 24.5 36.7
84 92.0 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 11.41 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 97 Resp: 121777
Ion Ratio Lower Upper
97 100
99 62.7 51.4 77.2
61 46.2 37.8 56.6

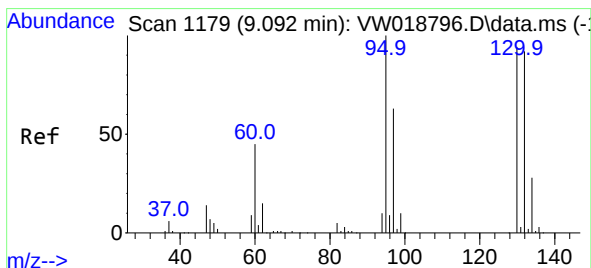
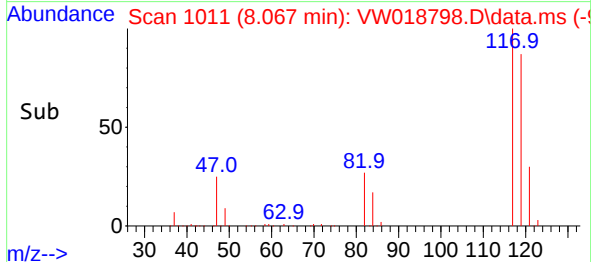
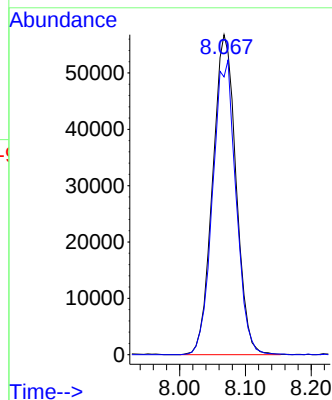
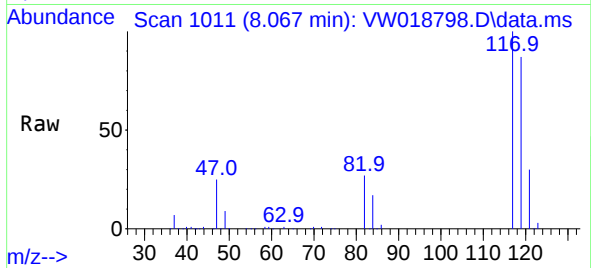




#31
Carbon tetrachloride
Concen: 14.57 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

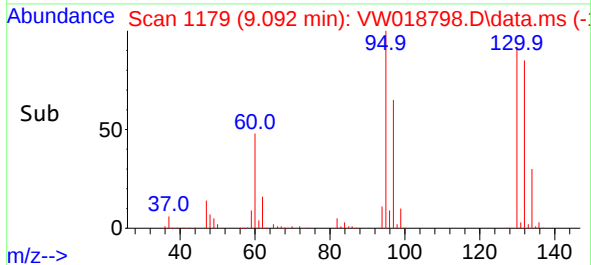
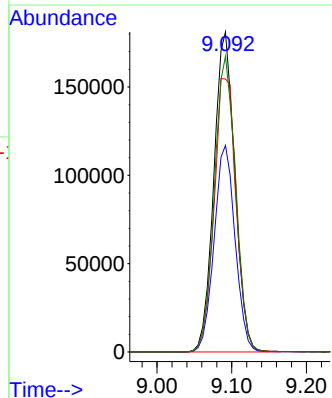
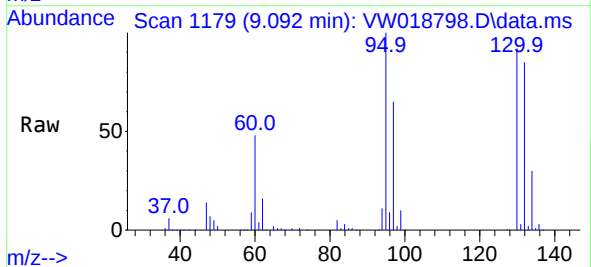
Instrument :
MSVOA_W
ClientSampled :
GB3H0

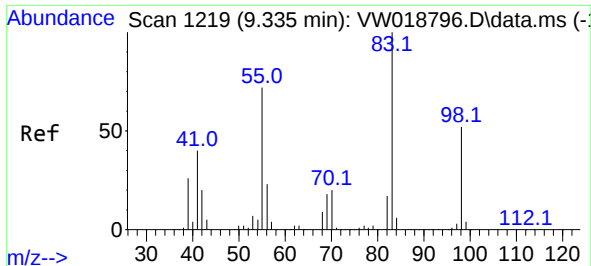
Tgt Ion:117 Resp: 140229
Ion Ratio Lower Upper
117 100
119 91.9 76.5 114.7



#34
Trichloroethene
Concen: 44.83 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 95 Resp: 353641
Ion Ratio Lower Upper
95 100
97 64.6 47.3 87.8
132 85.3 71.0 131.8
130 92.4 65.1 120.9

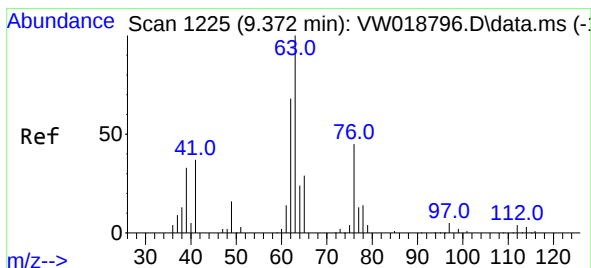
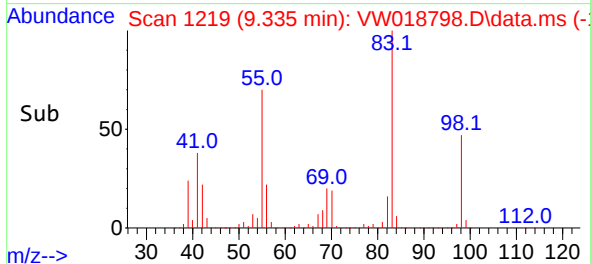
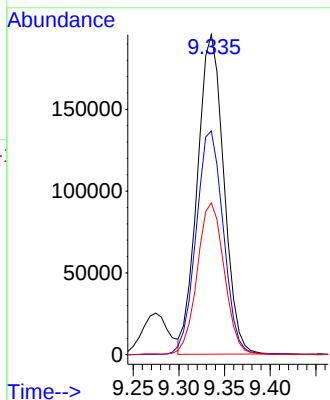
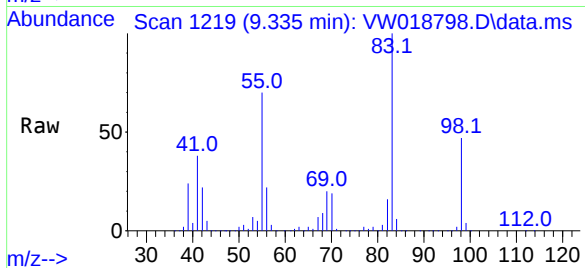




#35
Methylcyclohexane
Concen: 28.63 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

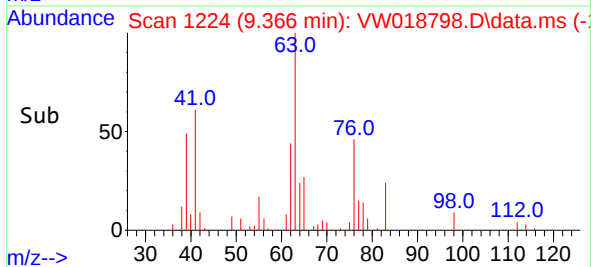
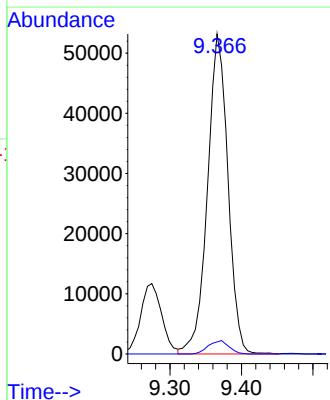
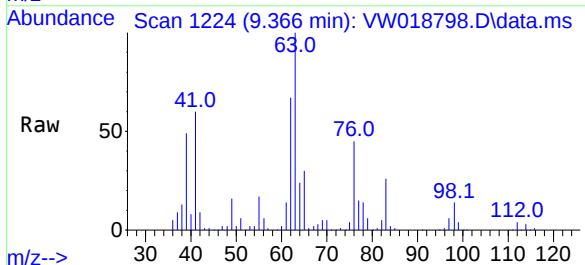
Instrument :
MSVOA_W
ClientSampleId :
GB3H0

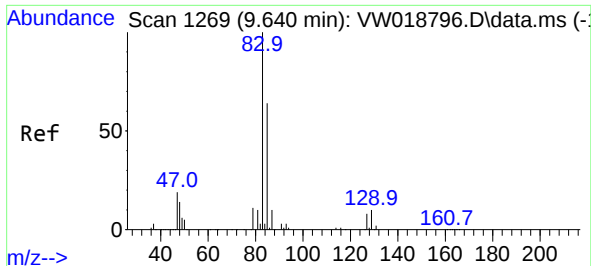
Tgt Ion: 83 Resp: 392521
Ion Ratio Lower Upper
83 100
55 72.4 58.9 88.3
98 48.8 40.1 60.1



#37
1,2-Dichloropropane
Concen: 13.63 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 63 Resp: 105687
Ion Ratio Lower Upper
63 100
112 4.2 3.9 5.9

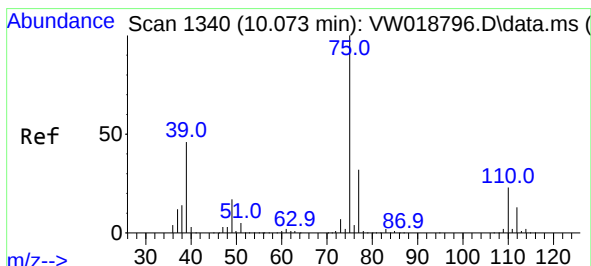
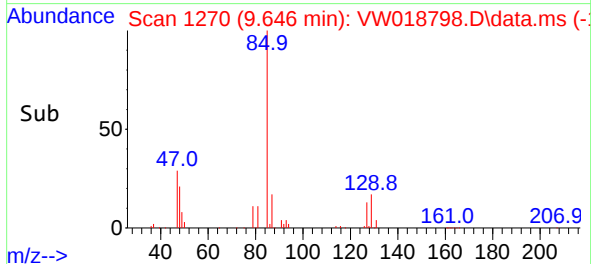
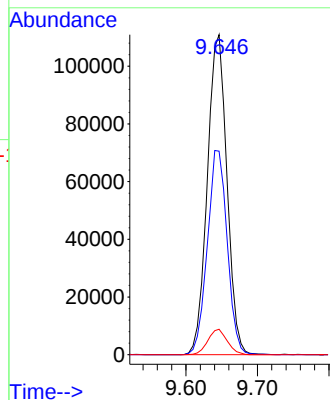
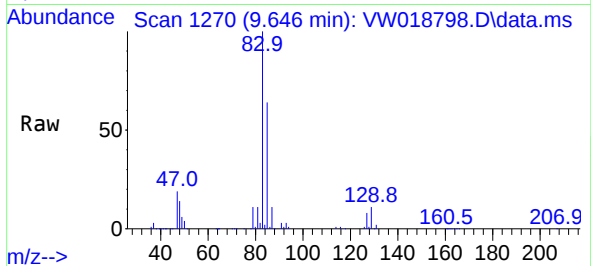




#38
Bromodichloromethane
Concen: 21.43 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

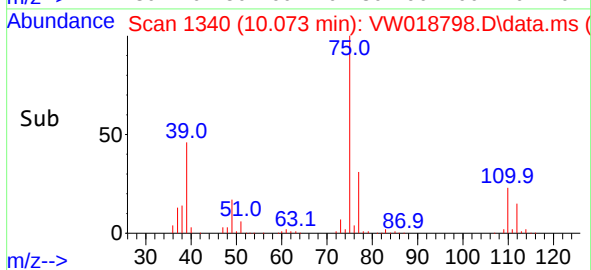
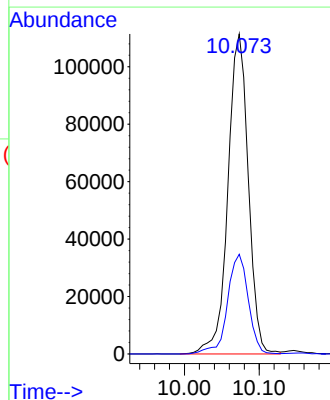
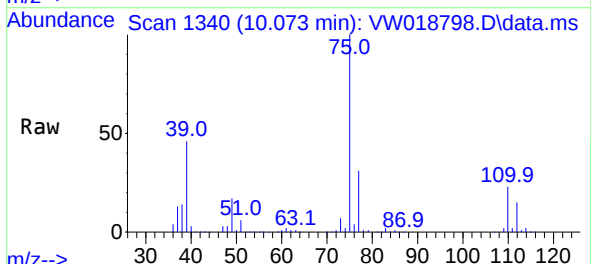
Instrument :
MSVOA_W
ClientSampled :
GB3H0

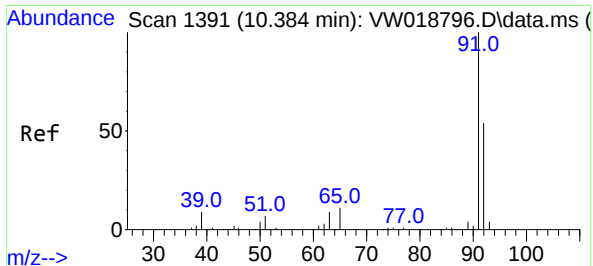
Tgt Ion: 83 Resp: 211523
Ion Ratio Lower Upper
83 100
85 63.6 42.3 78.5
127 7.9 6.6 9.8



#39
cis-1,3-Dichloropropene
Concen: 18.38 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 75 Resp: 211574
Ion Ratio Lower Upper
75 100
77 31.2 22.6 42.0

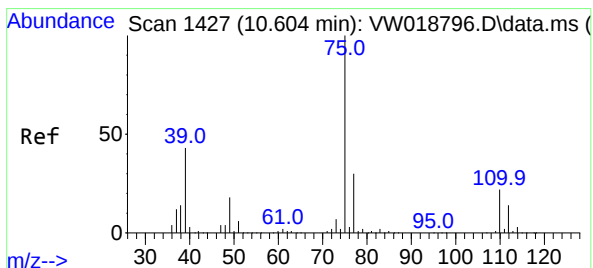
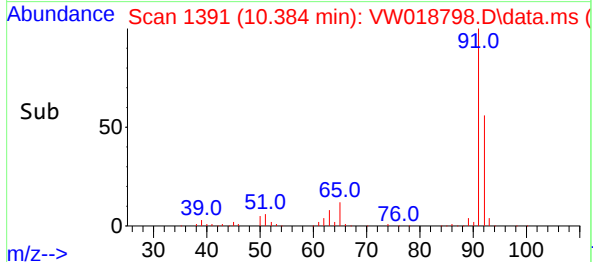
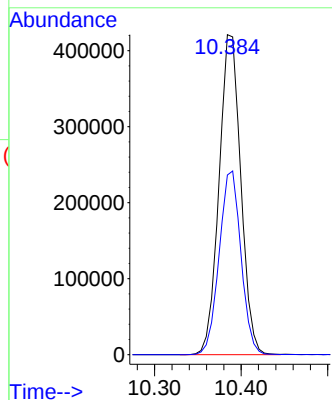
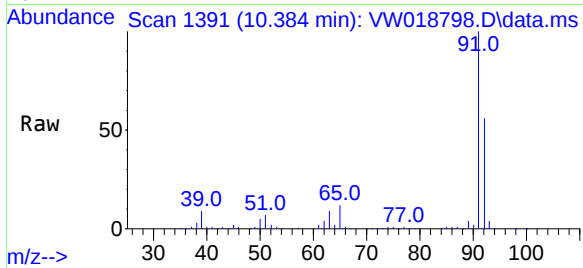




#42
Toluene
Concen: 22.35 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

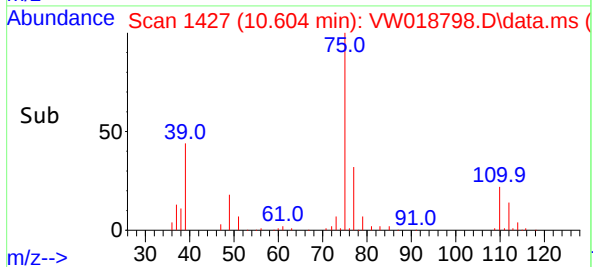
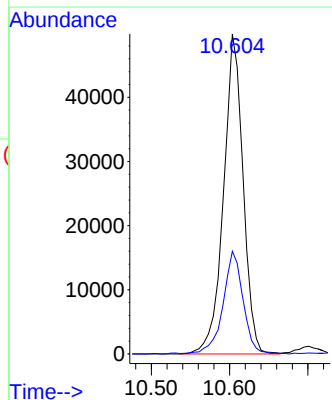
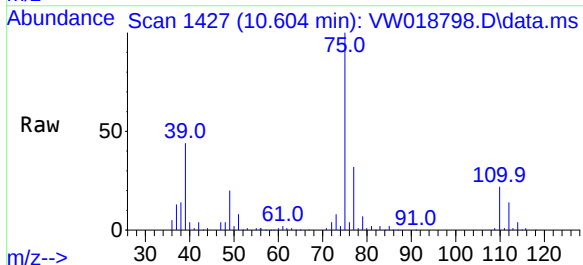
Instrument :
MSVOA_W
ClientSampled :
GB3H0

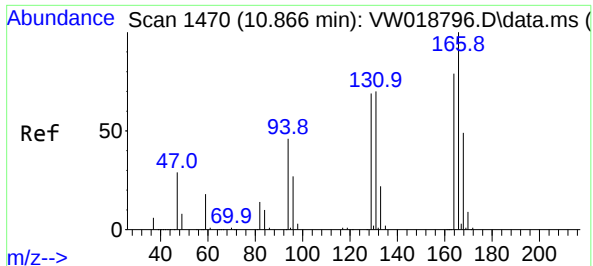
Tgt Ion: 91 Resp: 735035
Ion Ratio Lower Upper
91 100
92 56.1 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 8.61 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 75 Resp: 86587
Ion Ratio Lower Upper
75 100
77 32.1 21.1 39.1



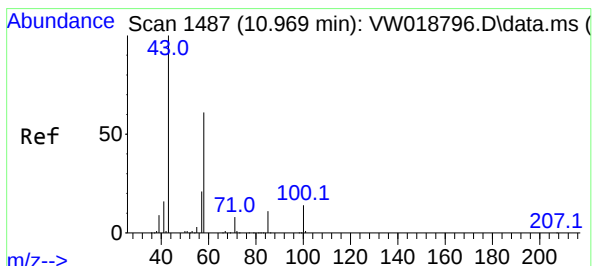
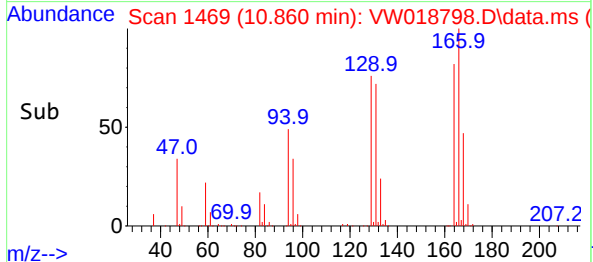
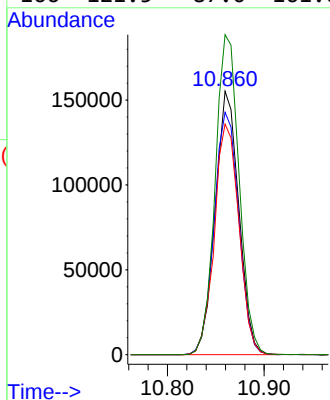
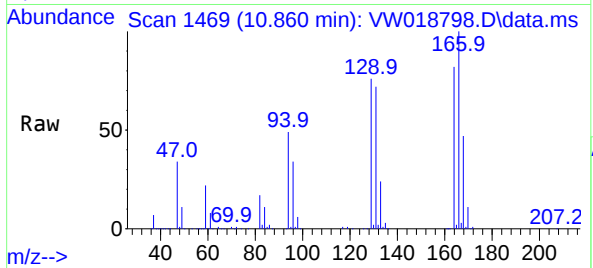


#46
Tetrachloroethene
Concen: 47.40 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Instrument :
MSVOA_W
ClientSampled :
GB3H0

Tgt Ion:164 Resp: 264191

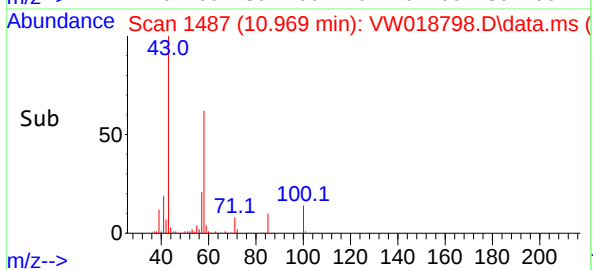
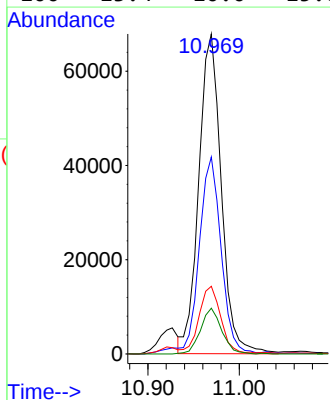
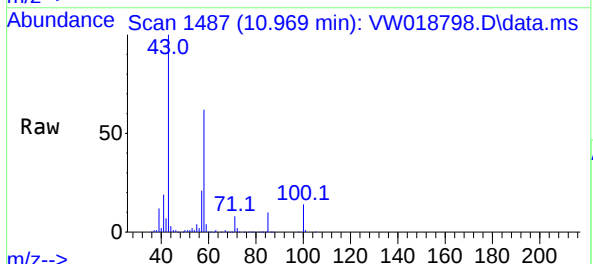
Ion	Ratio	Lower	Upper
164	100		
129	92.0	66.7	123.9
131	87.5	61.1	113.5
166	121.5	87.0	161.6

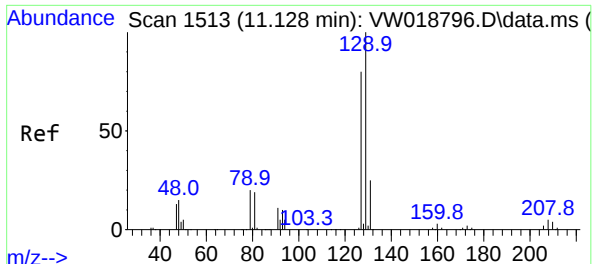


#48
2-Hexanone
Concen: 38.55 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 43 Resp: 116116

Ion	Ratio	Lower	Upper
43	100		
58	59.1	42.7	64.1
57	20.7	15.8	23.8
100	13.4	10.0	15.0

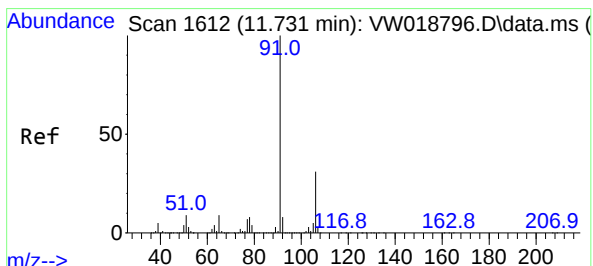
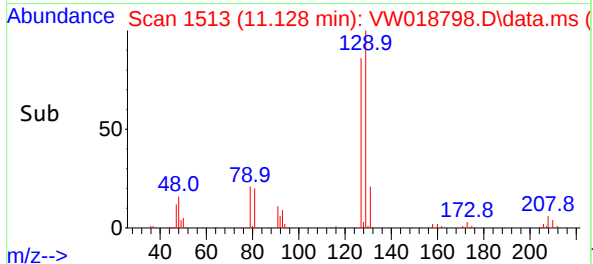
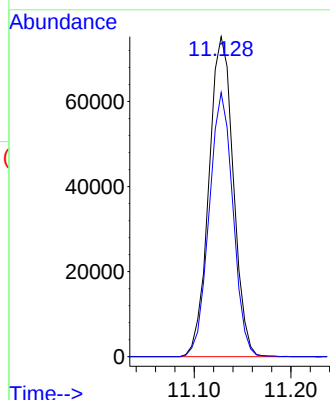
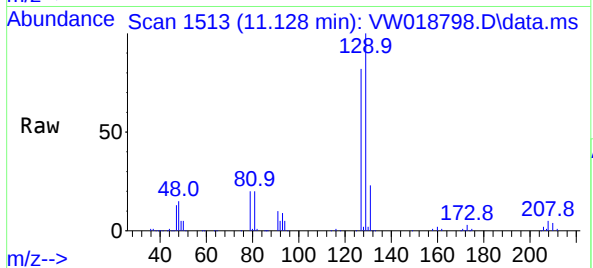




#49
Dibromochloromethane
Concen: 21.53 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

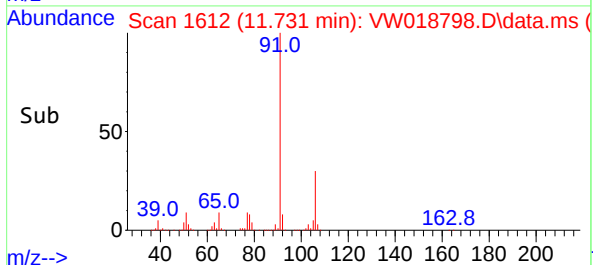
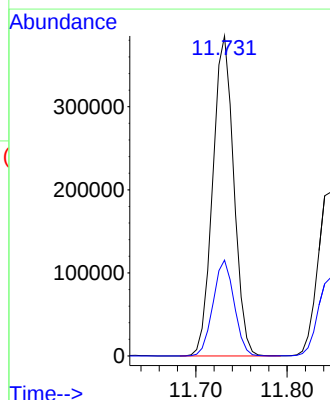
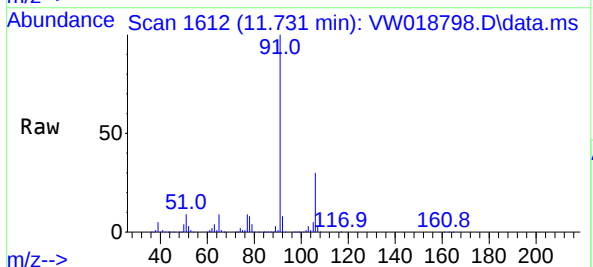
Instrument :
MSVOA_W
ClientSampled :
GB3H0

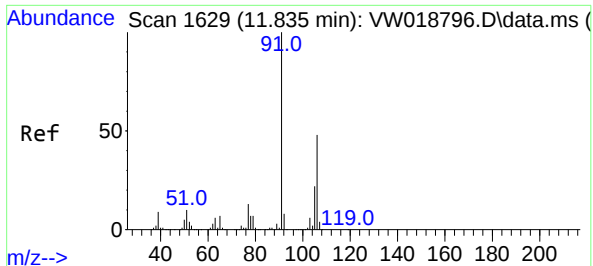
Tgt Ion:129 Resp: 131982
Ion Ratio Lower Upper
129 100
127 82.5 51.7 95.9



#52
Ethylbenzene
Concen: 16.92 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 91 Resp: 614695
Ion Ratio Lower Upper
91 100
106 29.9 22.5 41.7

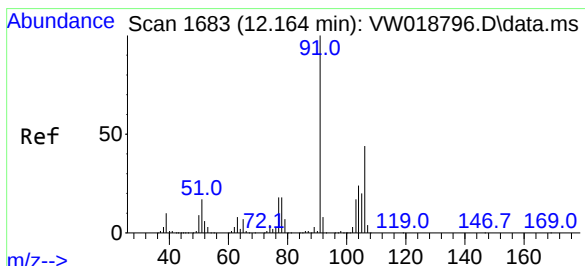
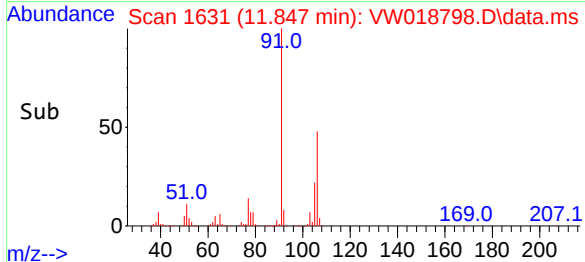
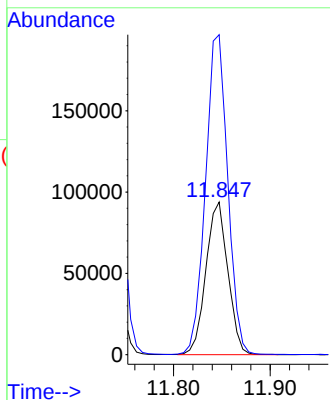
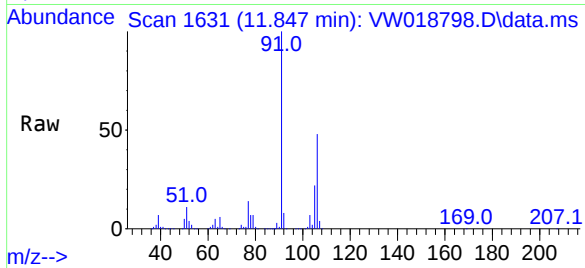




#53
m,p-Xylene
Concen: 11.14 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.012 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

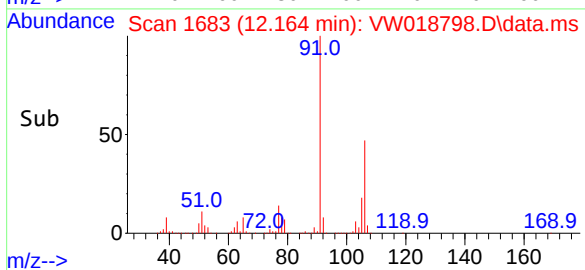
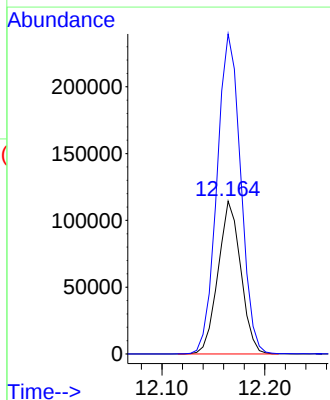
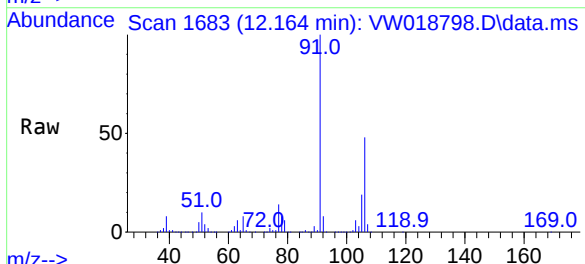
Instrument :
MSVOA_W
ClientSampled :
GB3H0

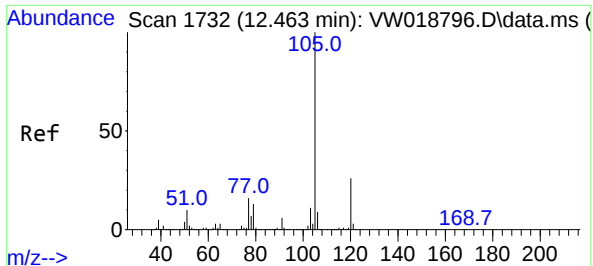
Tgt Ion:106 Resp: 148440
Ion Ratio Lower Upper
106 100
91 209.6 141.3 262.3



#54
o-Xylene
Concen: 13.70 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion:106 Resp: 175252
Ion Ratio Lower Upper
106 100
91 209.4 150.0 278.6

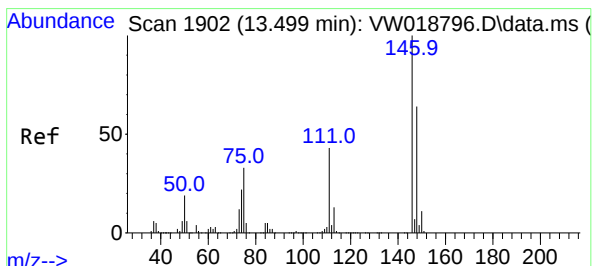
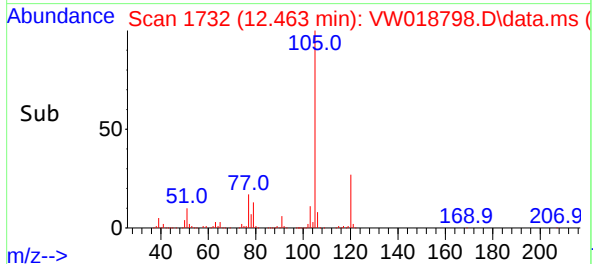
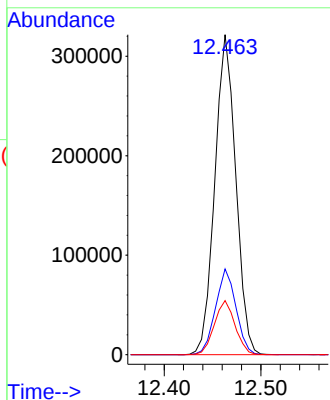
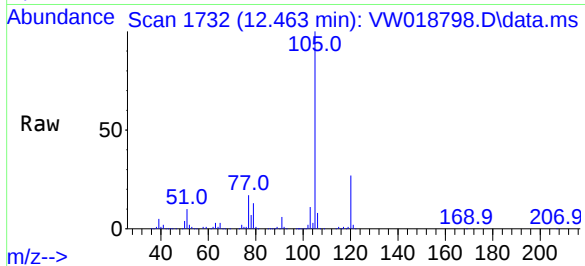




#60
Isopropylbenzene
Concen: 14.04 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

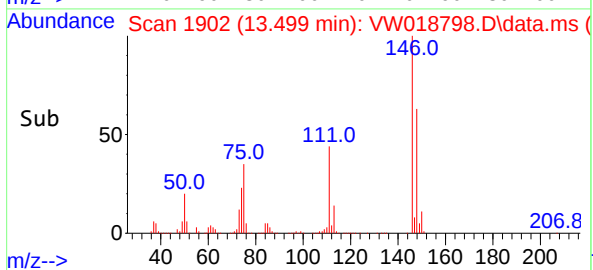
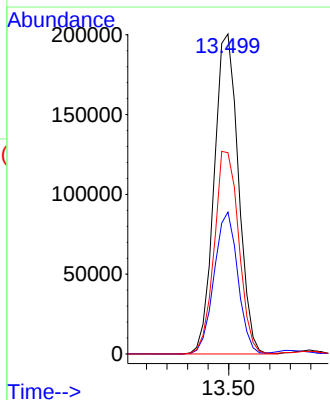
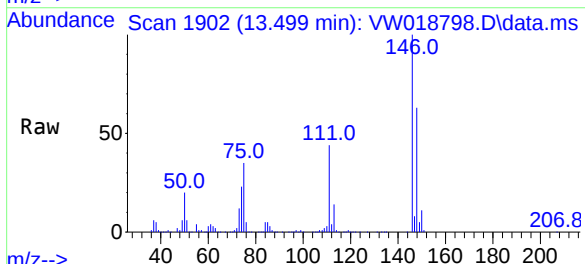
Instrument :
MSVOA_W
ClientSampled :
GB3H0

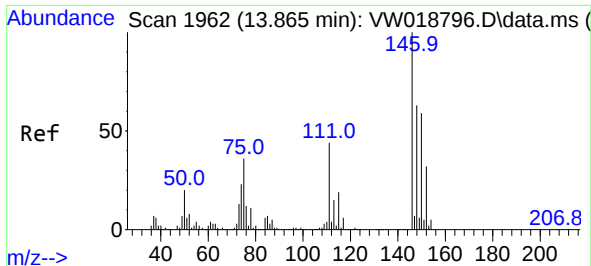
Tgt Ion:105 Resp: 483263
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7
77 16.8 13.2 19.8



#64
1,3-Dichlorobenzene
Concen: 22.49 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion:146 Resp: 328101
Ion Ratio Lower Upper
146 100
111 44.4 26.7 49.7
148 62.9 41.1 76.3

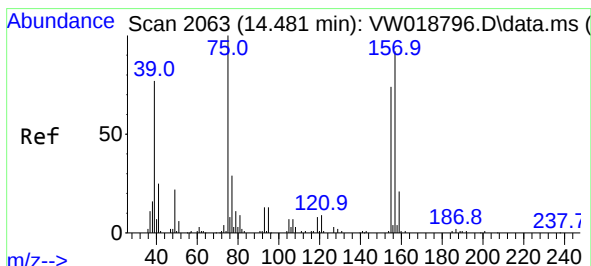
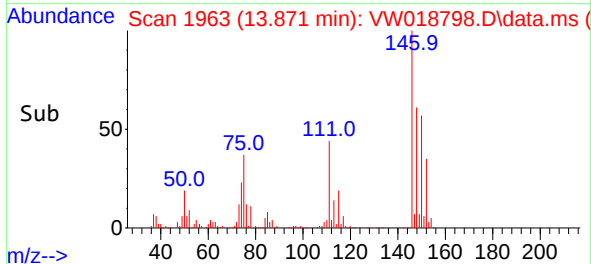
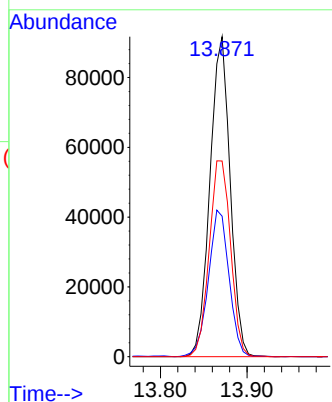
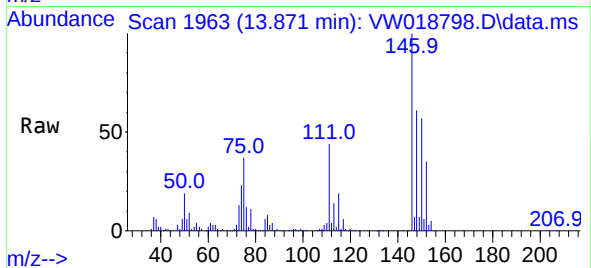




#67
1,2-Dichlorobenzene
Concen: 11.08 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Instrument :
MSVOA_W
ClientSampled :
GB3H0

Tgt Ion:146 Resp: 148745
Ion Ratio Lower Upper
146 100
111 43.9 33.2 49.8
148 61.2 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 19.81 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW018798.D
Acq: 27 Apr 2021 11:47

Tgt Ion: 75 Resp: 22009
Ion Ratio Lower Upper
75 100
155 79.8 59.4 89.0
157 91.4 72.2 108.2

