

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017931.D
 Acq On : 18 Jan 2021 16:19
 Operator : SY/VA
 Sample : M1099-21RE
 Misc : 8.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C17

Quant Time: Jan 19 06:57:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 19 06:55:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	375197	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	308802	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	102444	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	153764	26.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	104.44%		
7) Chloroethane-d5	2.891	69	123488	25.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	101.60%		
10) 1,1-Dichloroethene-d2	4.019	63	193096	18.15	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.60%		
20) 2-Butanone-d5	7.080	46	66928	47.00	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.00%		
24) Chloroform-d	7.647	84	253228	24.73	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.92%		
26) 1,2-Dichloroethane-d4	8.415	65	98	0.02	ug/L	0.11
Spiked Amount 25.000	Range 70 - 130		Recovery =	0.08%#		
29) Benzene-d6	8.275	84	497011	28.12	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	112.48%		
33) 1,2-Dichloropropane-d6	9.274	67	144593	28.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	115.00%		
37) Toluene-d8	10.323	98	437480	26.36	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	105.44%		
38) trans-1,3-Dichloroprop...	10.579	79	58472	25.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	101.80%		
39) 2-Hexanone-d5	10.927	63	48803	54.13	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.26%		
48) 1,1,2,2-Tetrachloroeth...	12.694	84	109372	24.45	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.80%		
61) 1,2-Dichlorobenzene-d4	13.853	152	95332	26.74	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	106.96%		
Target Compounds					Qvalue	
11) 1,1,2-Trichloro-1,2,2-...	4.025	101	2033	0.39	ug/L #	35
13) Acetone	4.123	43	53760	53.60	ug/L	95
14) Carbon disulfide	4.391	76	16823	1.10	ug/L	96
16) Methylene chloride	4.915	84	6129	1.13	ug/L	92
22) cis-1,2-Dichloroethene	7.171	96	4363	0.78	ug/L #	80
34) Benzene	8.323	78	21607	1.18	ug/L	100
35) Trichloroethene	9.091	95	17146	3.41	ug/L	92
36) Methylcyclohexane	9.329	83	5041	0.58	ug/L #	68
41) Bromodichloromethane	9.671	83	2390	0.39	ug/L #	24
44) Toluene	10.384	91	14703	0.73	ug/L	89
45) trans-1,3-Dichloropropene	10.585	75	3376	0.55	ug/L	85
46) 1,1,2-Trichloroethane	10.762	97	2809	0.79	ug/L #	29
47) Tetrachloroethene	10.859	164	46958	11.89	ug/L	97
50) Dibromochloromethane	10.859	129	46455	10.94	ug/L #	12
52) Chlorobenzene	11.658	112	402115	30.91	ug/L	95
53) Ethylbenzene	11.731	91	5802	0.25	ug/L	96
54) m,p-Xylene	11.835	106	7895	0.90	ug/L	93
55) o-xylene	12.158	106	3258	0.40	ug/L	64
57) Isopropylbenzene	12.463	105	87768	3.86	ug/L	98
63) 1,3-Dichlorobenzene	13.499	146	43322	6.75	ug/L	95

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 QLast Update : Tue Jan 19 06:55:11 2021
 Response via : Initial Calibration

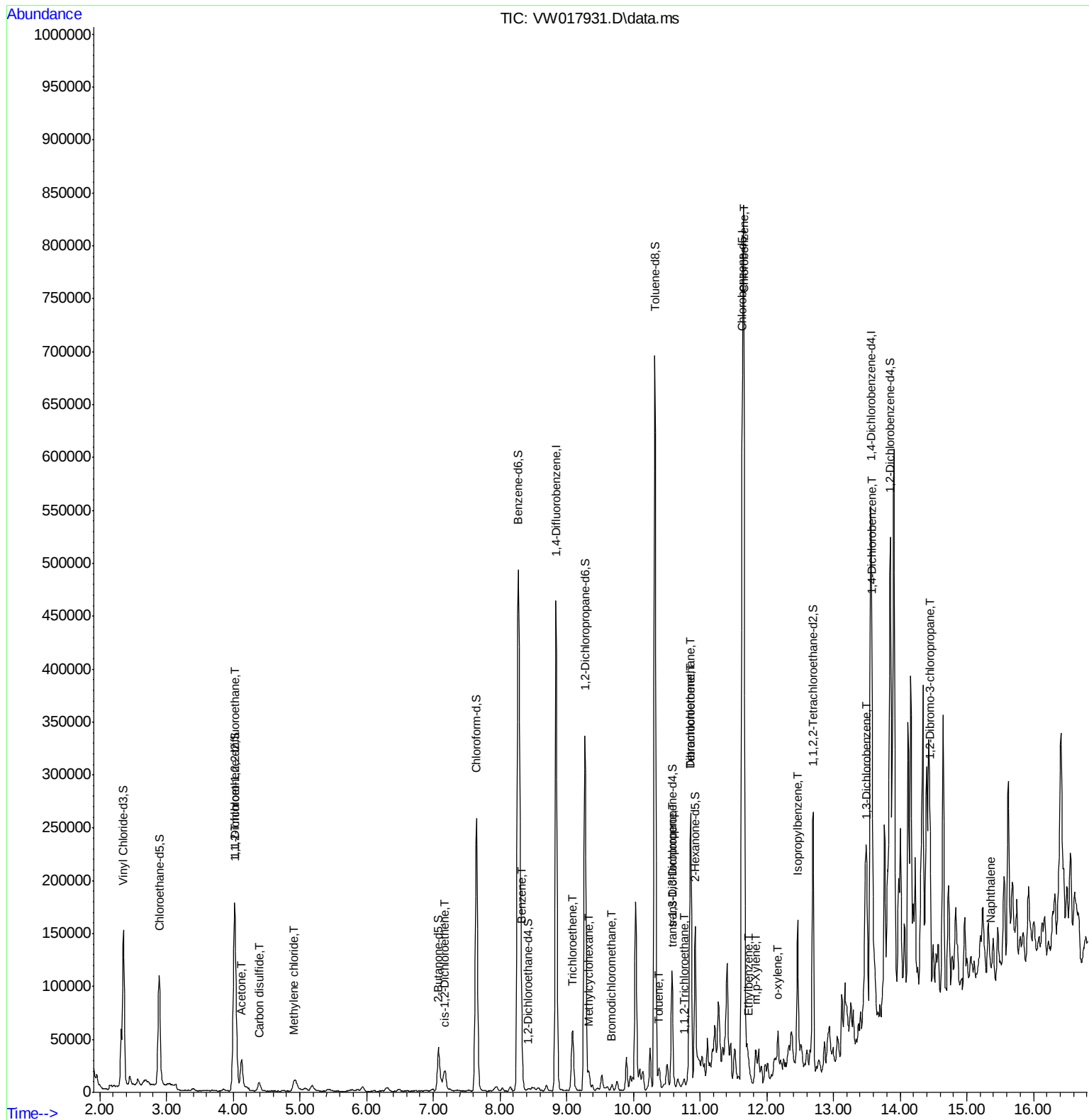
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	13.578	146	105614	16.38	ug/L	92
66) 1,2-Dibromo-3-chloropr...	14.444	75	5529	11.42	ug/L #	1
69) Naphthalene	15.365	128	2260	0.28	ug/L #	75

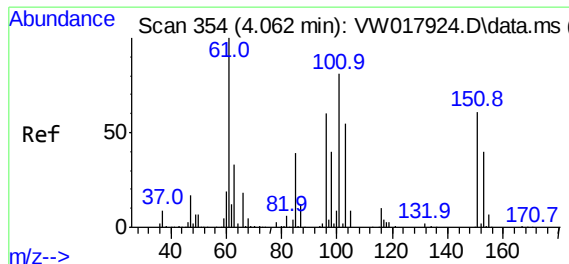
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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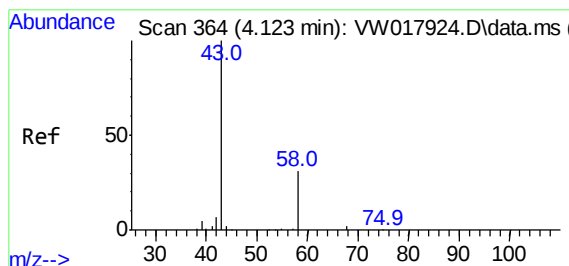
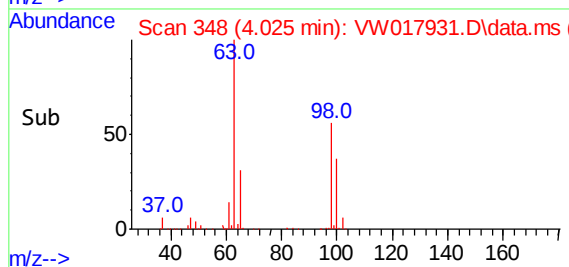
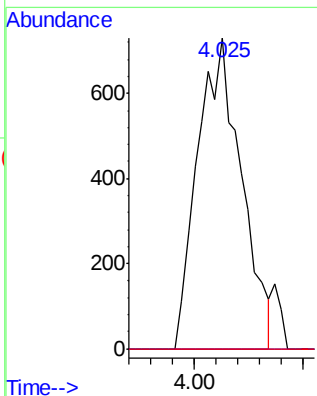
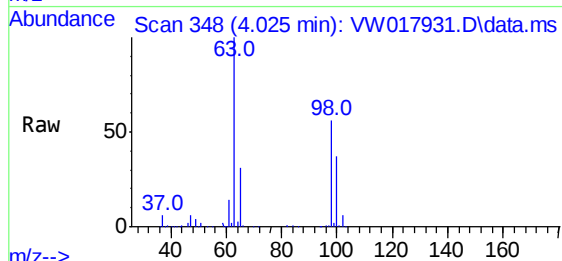




#11
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.39 ug/L
 RT: 4.025 min Scan# 348
 Delta R.T. -0.037 min
 Lab File: VW017931.D
 Acq: 18 Jan 2021 16:19

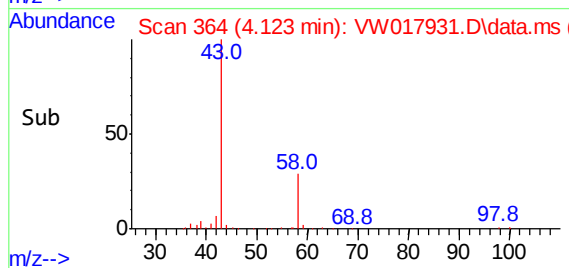
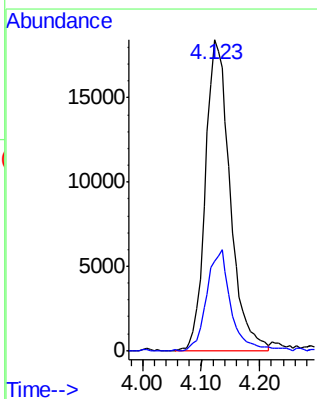
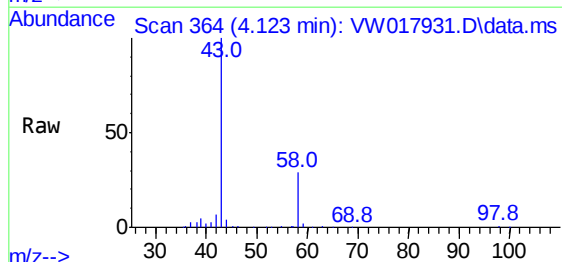
Instrument :
 MSVOA_W
 ClientSampled :
 F1C17

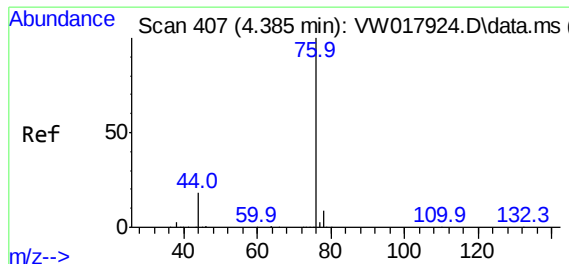
Tgt Ion:101 Resp: 2033
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.2 51.4#
 151 0.0 30.4 45.6#



#13
 Acetone
 Concen: 53.60 ug/L
 RT: 4.123 min Scan# 364
 Delta R.T. -0.000 min
 Lab File: VW017931.D
 Acq: 18 Jan 2021 16:19

Tgt Ion: 43 Resp: 53760
 Ion Ratio Lower Upper
 43 100
 58 31.3 0.0 68.4

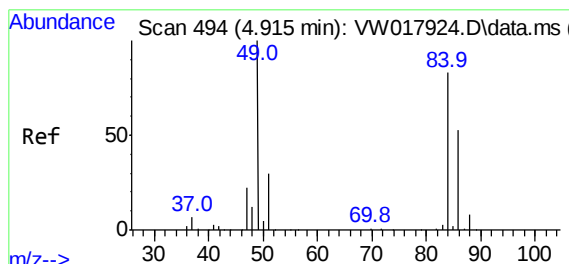
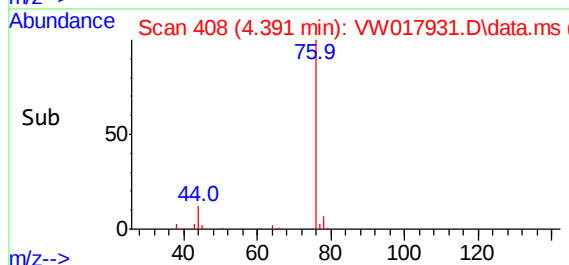
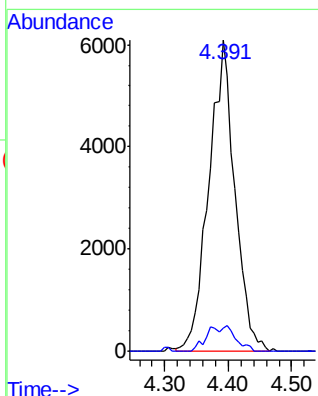
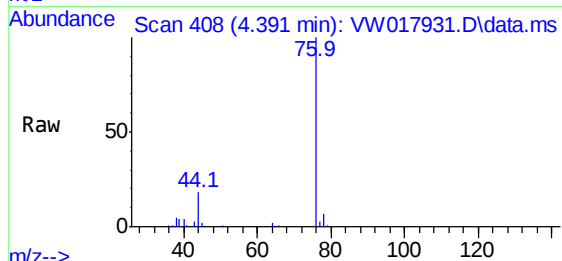




#14
Carbon disulfide
Concen: 1.10 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

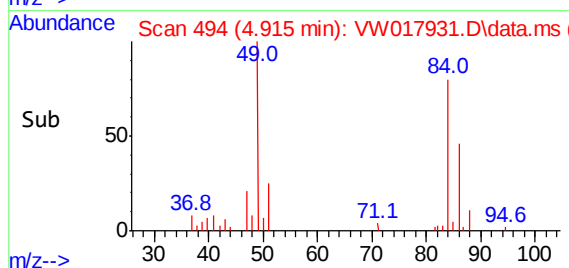
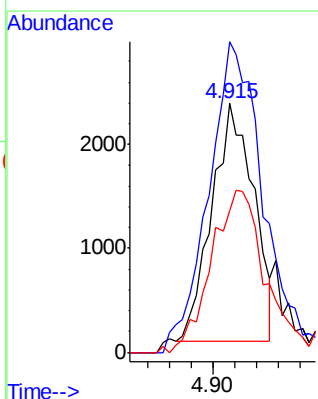
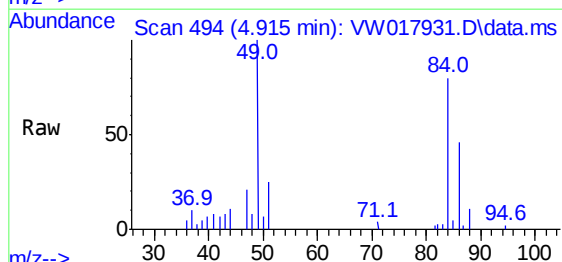
Instrument :
MSVOA_W
ClientSampled :
F1C17

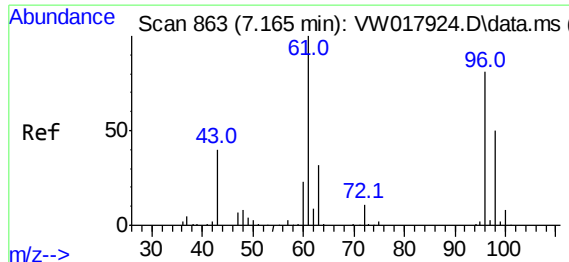
Tgt Ion: 76 Resp: 16823
Ion Ratio Lower Upper
76 100
78 7.3 7.0 10.4



#16
Methylene chloride
Concen: 1.13 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion: 84 Resp: 6129
Ion Ratio Lower Upper
84 100
49 124.7 81.2 150.8
86 57.1 44.5 82.7



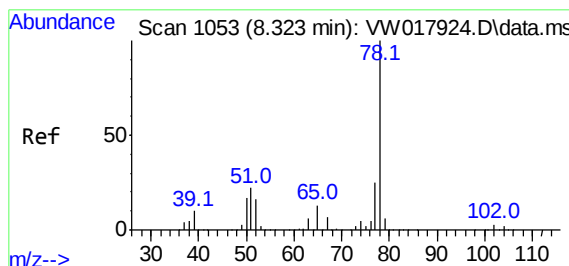
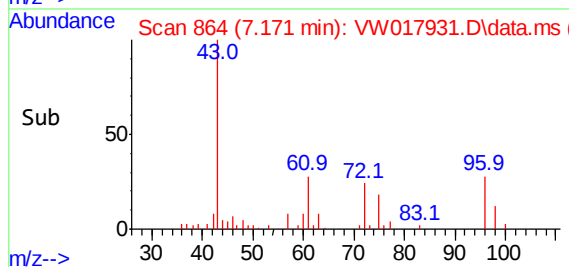
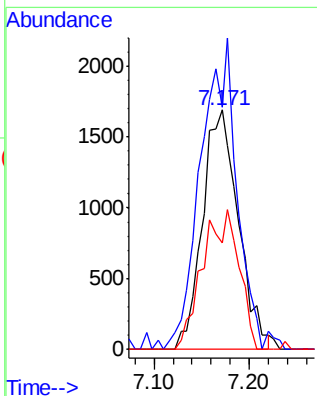
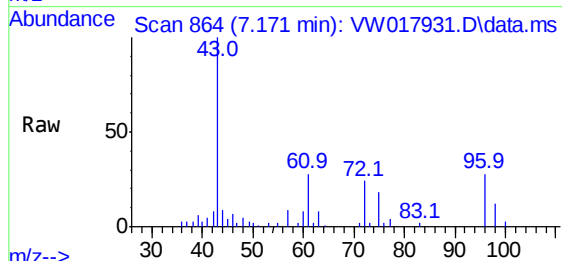


#22
 cis-1,2-Dichloroethene
 Concen: 0.78 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: VW017931.D
 Acq: 18 Jan 2021 16:19

Instrument :
 MSVOA_W
 ClientSampled :
 F1C17

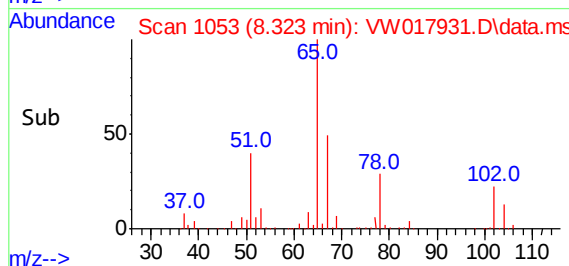
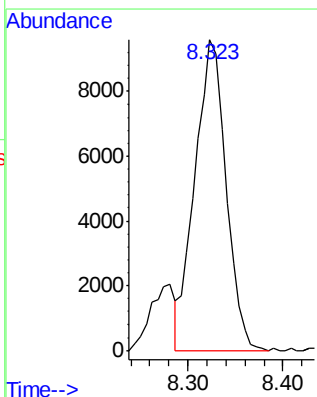
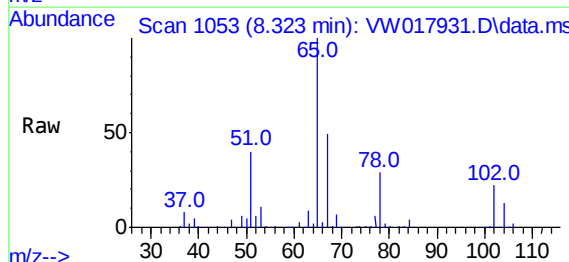
Tgt Ion: 96 Resp: 4363

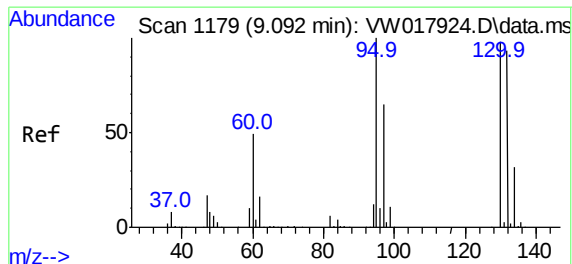
Ion	Ratio	Lower	Upper
96	100		
61	101.4	84.6	157.2
98	44.6	44.7	82.9#



#34
 Benzene
 Concen: 1.18 ug/L
 RT: 8.323 min Scan# 1053
 Delta R.T. -0.000 min
 Lab File: VW017931.D
 Acq: 18 Jan 2021 16:19

Tgt Ion: 78 Resp: 21607



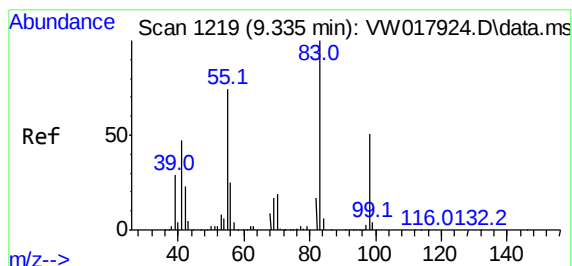
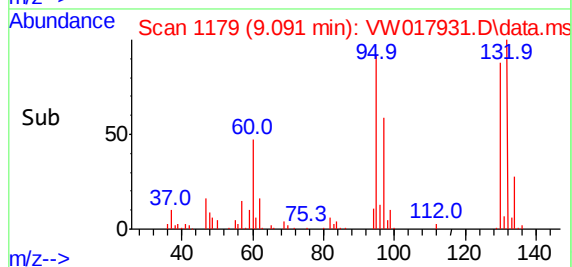
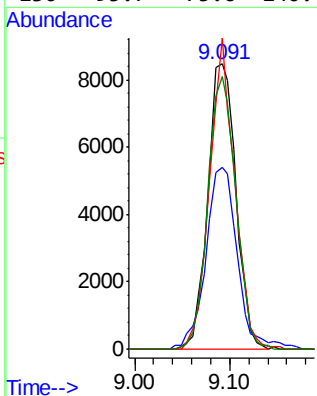
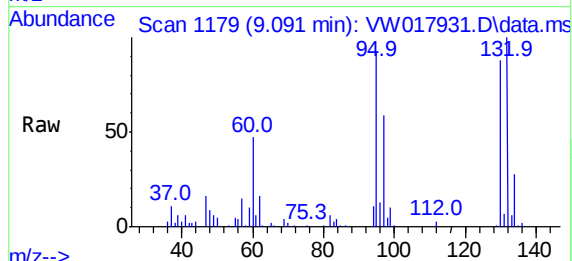


#35
Trichloroethene
Concen: 3.41 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Instrument :
MSVOA_W
ClientSampled :
F1C17

Tgt Ion: 95 Resp: 17146

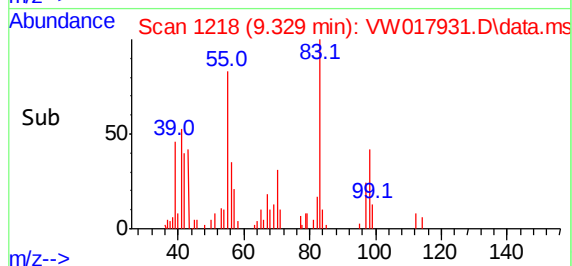
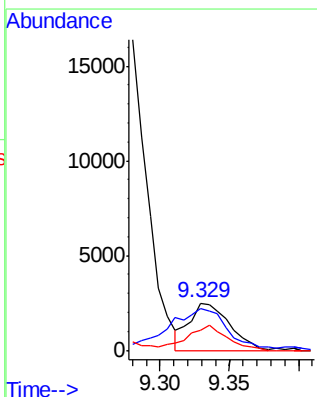
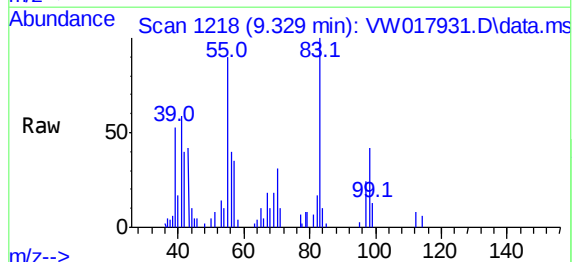
Ion	Ratio	Lower	Upper
95	100		
97	70.3	45.0	83.6
132	97.1	71.0	131.8
130	95.7	75.6	140.4

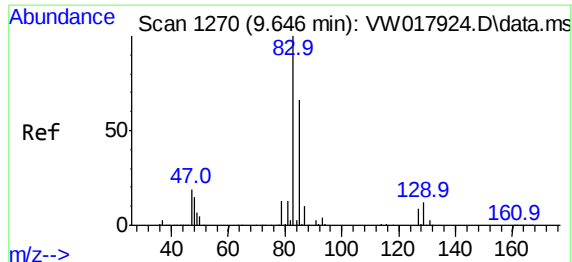


#36
Methylcyclohexane
Concen: 0.58 ug/L
RT: 9.329 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion: 83 Resp: 5041

Ion	Ratio	Lower	Upper
83	100		
55	118.8	59.4	89.0#
98	52.8	40.7	61.1

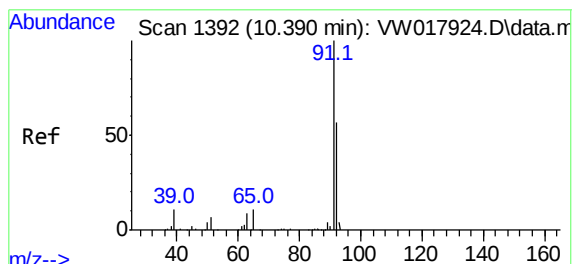
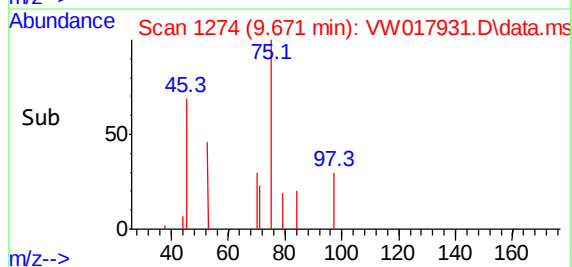
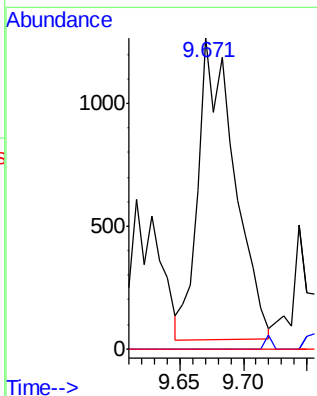
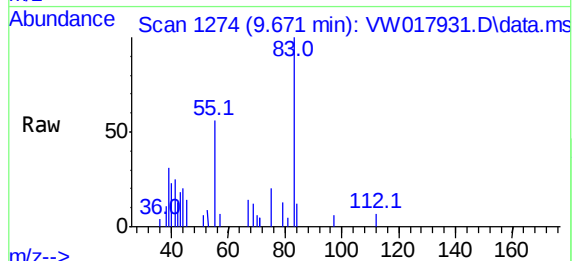




#41
Bromodichloromethane
Concen: 0.39 ug/L
RT: 9.671 min Scan# 1274
Delta R.T. 0.024 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

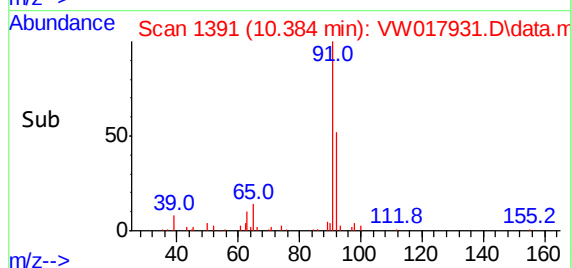
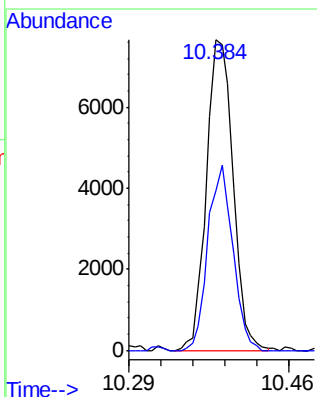
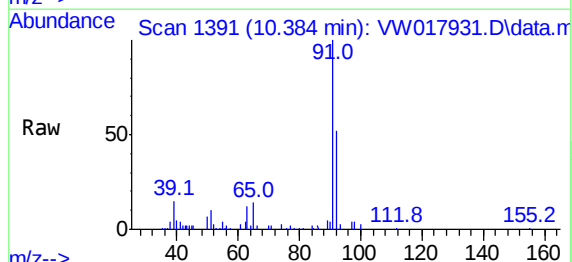
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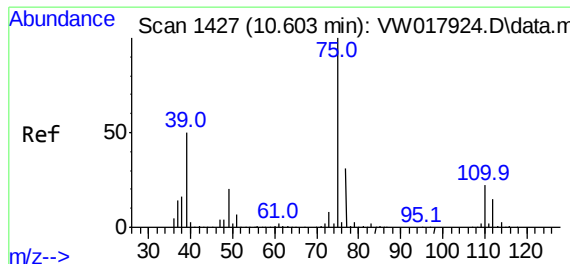
Tgt Ion: 83 Resp: 2390
Ion Ratio Lower Upper
83 100
85 0.0 46.8 86.8#
127 0.0 7.6 11.4#



#44
Toluene
Concen: 0.73 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion: 91 Resp: 14703
Ion Ratio Lower Upper
91 100
92 51.6 41.6 77.3

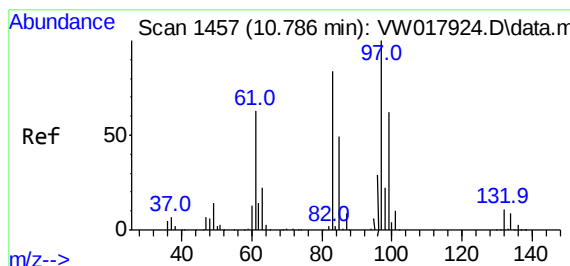
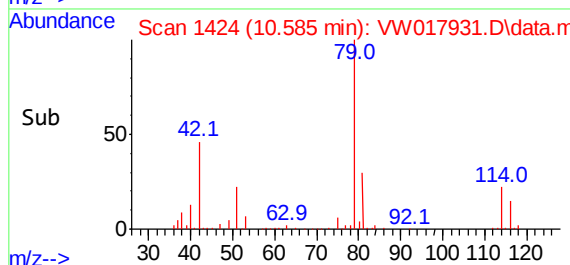
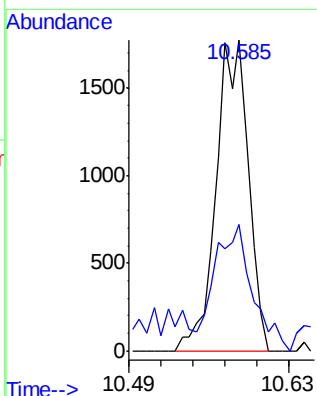
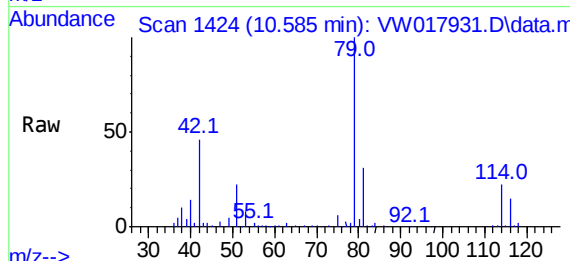




#45
trans-1,3-Dichloropropene
Concen: 0.55 ug/L
RT: 10.585 min Scan# 1424
Delta R.T. -0.018 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

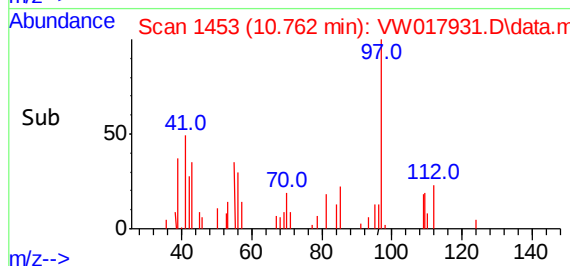
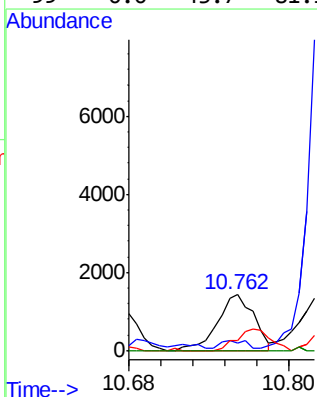
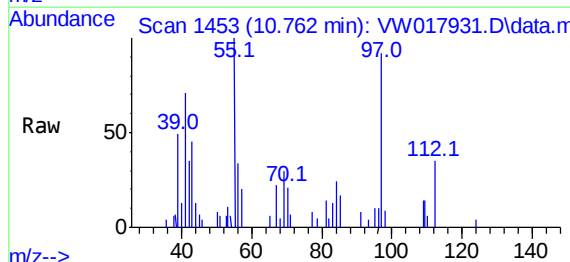
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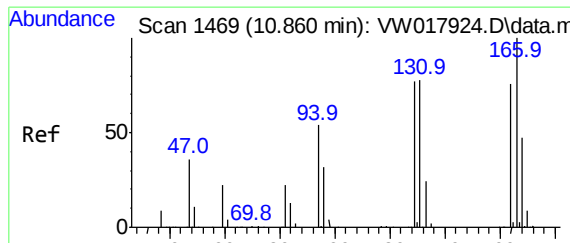
Tgt Ion: 75 Resp: 3376
Ion Ratio Lower Upper
75 100
77 40.8 22.6 42.0



#46
1,1,2-Trichloroethane
Concen: 0.79 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion: 97 Resp: 2809
Ion Ratio Lower Upper
97 100
83 14.3 58.5 108.7#
85 18.2 37.8 70.2#
99 0.0 43.7 81.1#

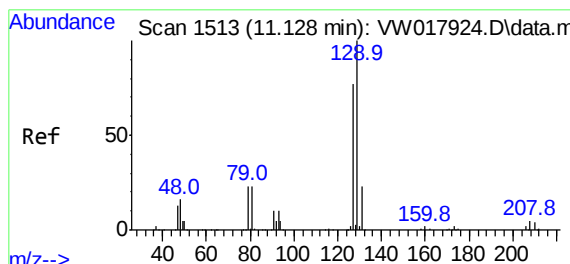
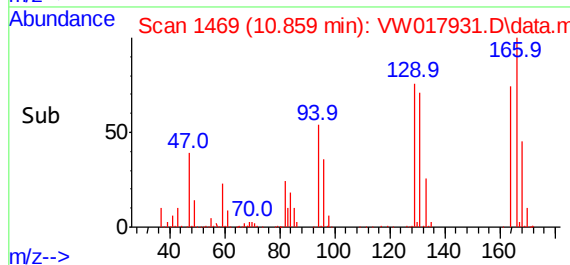
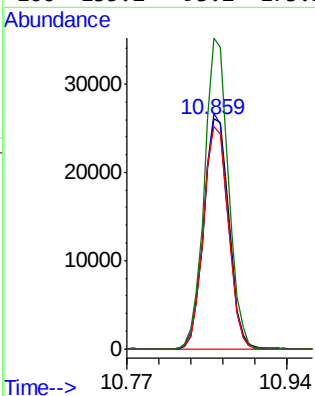
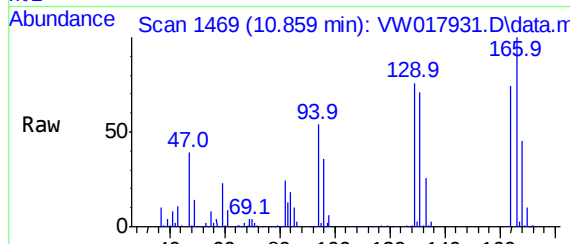




#47
Tetrachloroethene
Concen: 11.89 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

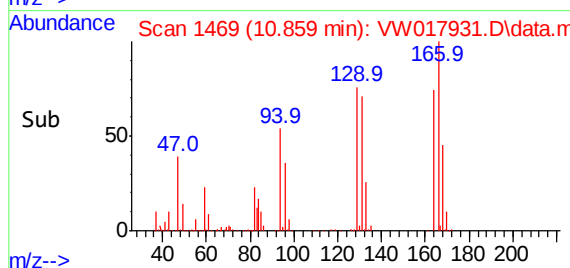
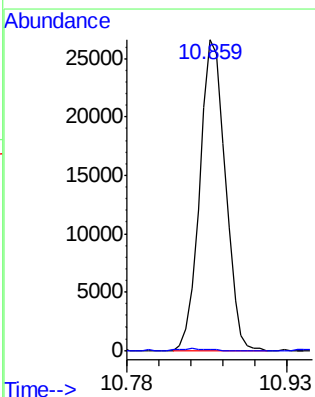
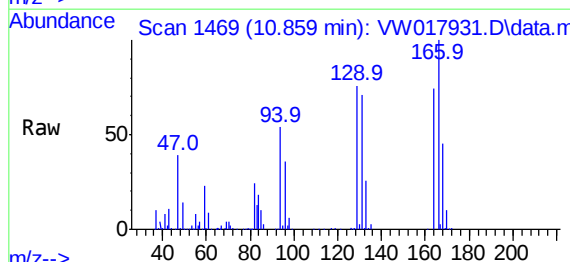
Instrument :
MSVOA_W
ClientSampleId :
F1C17

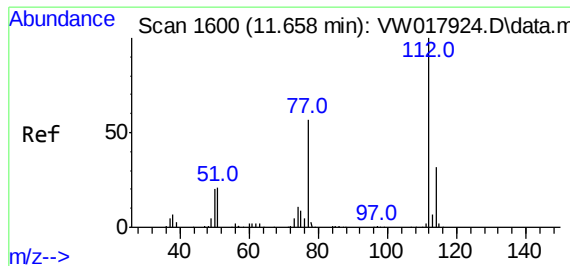
Tgt Ion:164 Resp: 46958
Ion Ratio Lower Upper
164 100
129 102.2 67.6 125.6
131 96.5 65.2 121.2
166 135.2 93.2 173.2



#50
Dibromochloromethane
Concen: 10.94 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion:129 Resp: 46455
Ion Ratio Lower Upper
129 100
127 0.3 53.2 98.8#

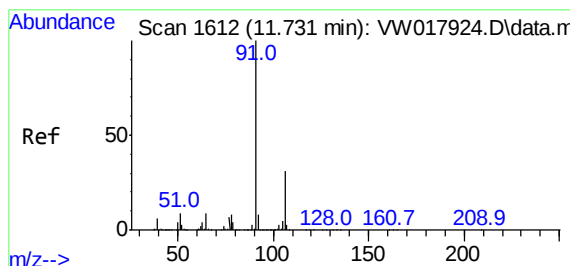
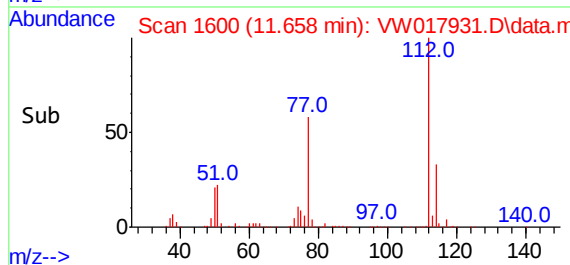
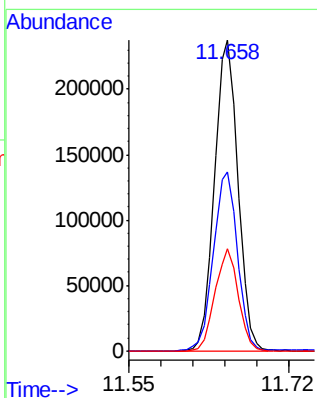
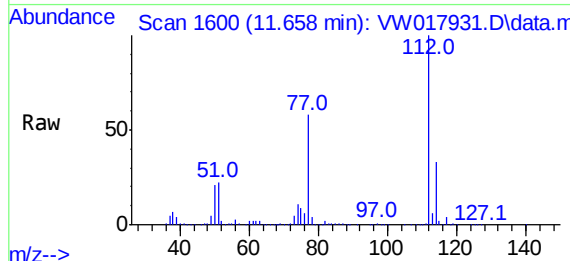




#52
Chlorobenzene
Concen: 30.91 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

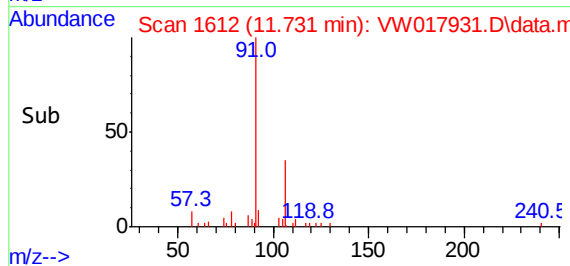
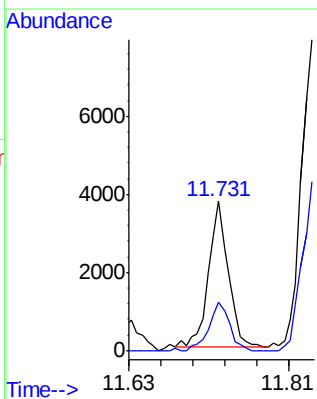
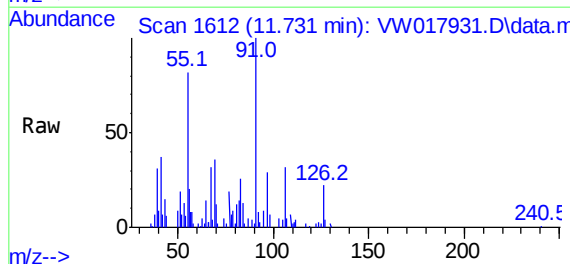
Instrument :
MSVOA_W
ClientSampled :
F1C17

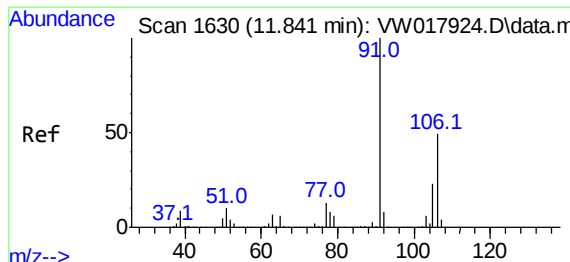
Tgt Ion: 112 Resp: 402115
Ion Ratio Lower Upper
112 100
77 57.7 42.6 64.0
114 32.8 21.6 40.2



#53
Ethylbenzene
Concen: 0.25 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion: 91 Resp: 5802
Ion Ratio Lower Upper
91 100
106 32.1 21.1 39.1

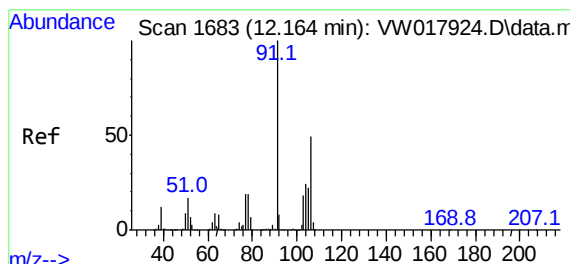
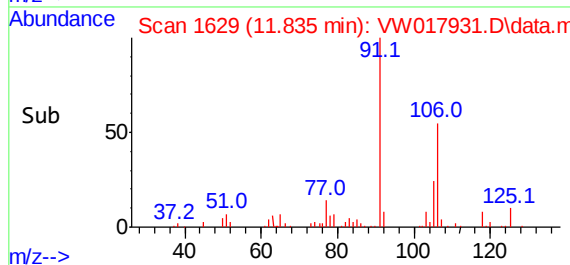
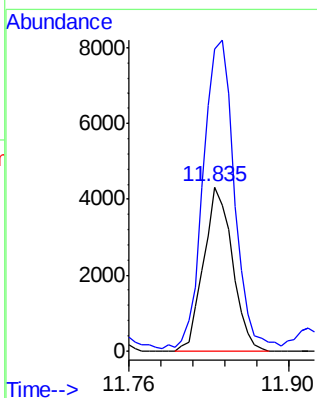
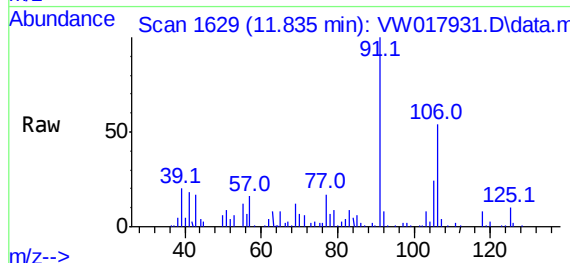




#54
m,p-Xylene
Concen: 0.90 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

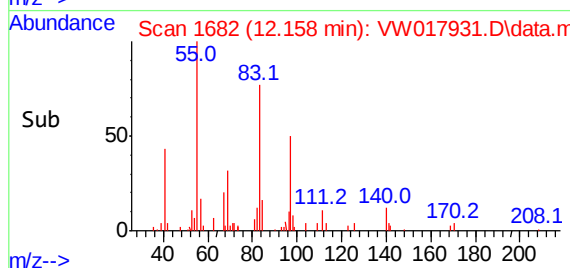
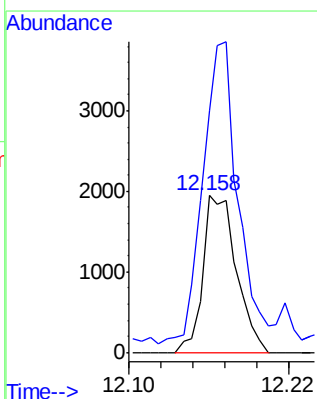
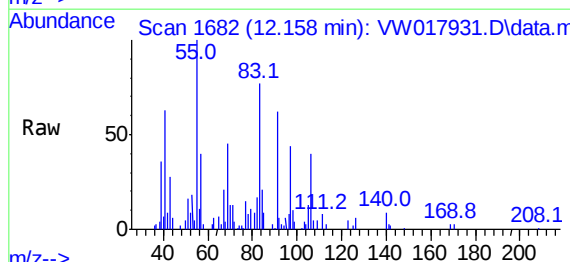
Instrument :
MSVOA_W
ClientSampled :
F1C17

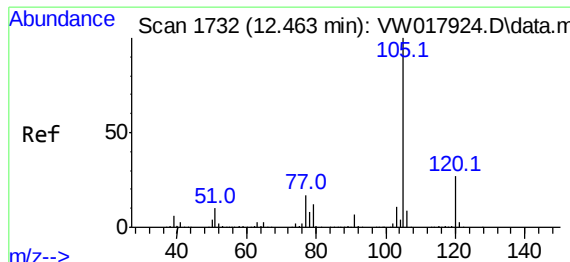
Tgt Ion:106 Resp: 7895
Ion Ratio Lower Upper
106 100
91 184.0 136.4 253.4



#55
o-xylene
Concen: 0.40 ug/L
RT: 12.158 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion:106 Resp: 3258
Ion Ratio Lower Upper
106 100
91 154.7 147.6 274.2

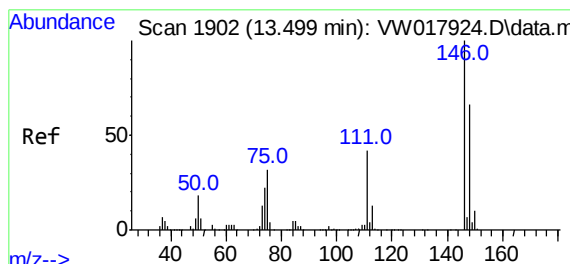
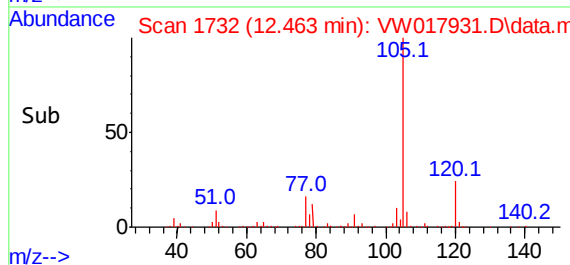
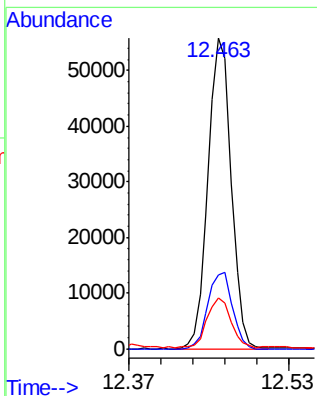
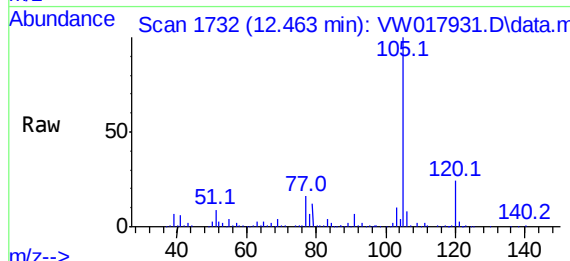




#57
Isopropylbenzene
Concen: 3.86 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

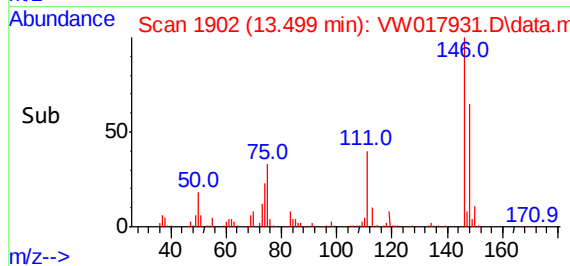
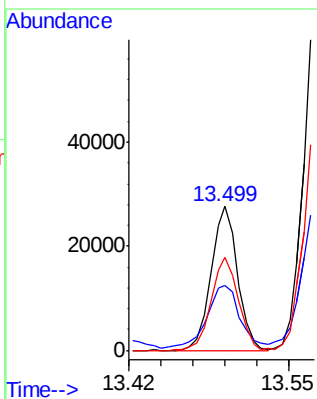
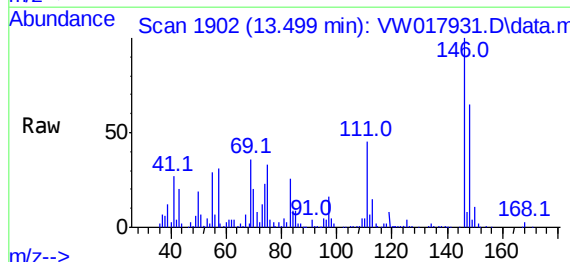
Instrument :
MSVOA_W
ClientSampleId :
F1C17

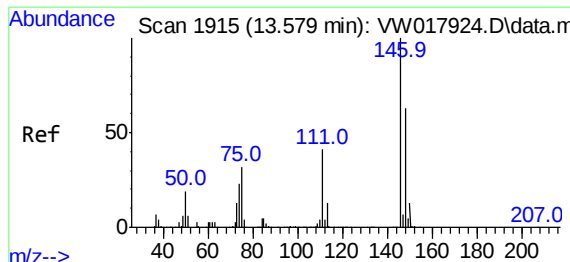
Tgt Ion:105 Resp: 87768
Ion Ratio Lower Upper
105 100
120 25.9 21.4 32.2
77 16.5 12.1 18.1



#63
1,3-Dichlorobenzene
Concen: 6.75 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion:146 Resp: 43322
Ion Ratio Lower Upper
146 100
111 44.8 28.5 52.9
148 64.8 47.8 88.8

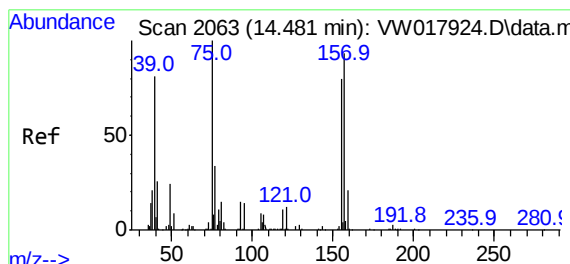
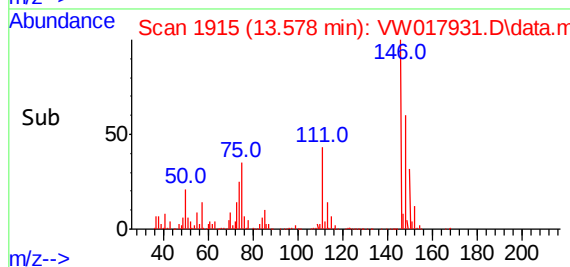
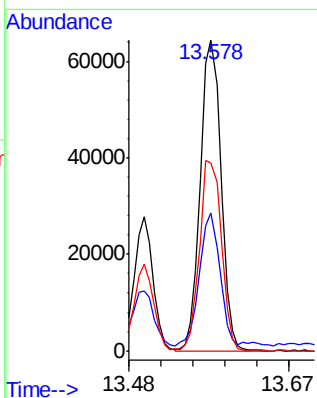
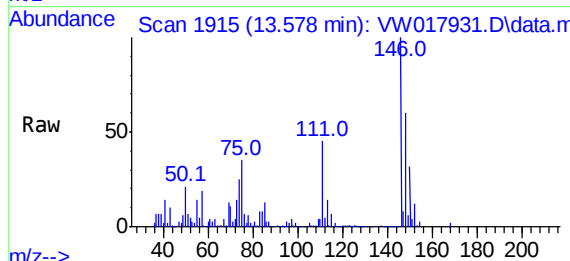




#64
1,4-Dichlorobenzene
Concen: 16.38 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

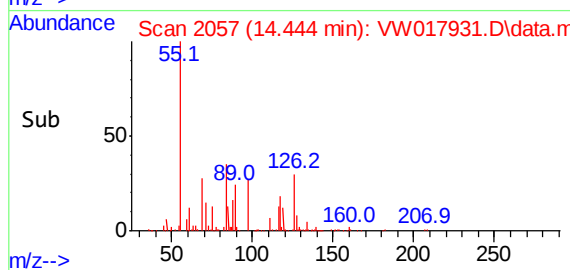
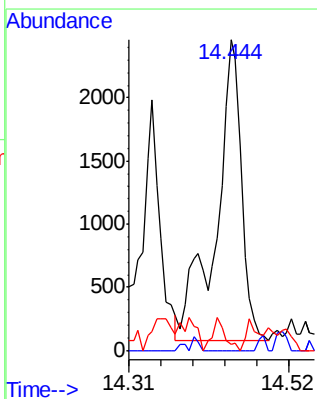
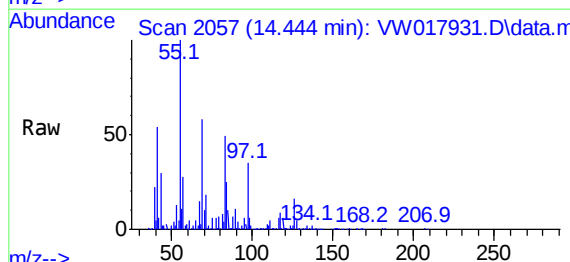
Instrument :
MSVOA_W
ClientSampleId :
F1C17

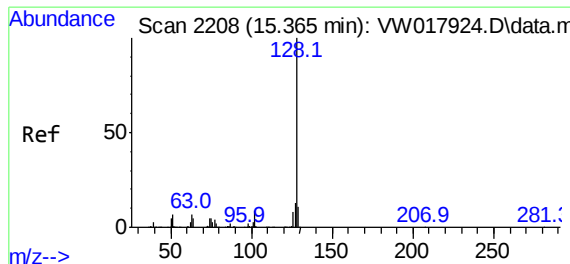
Tgt Ion:146 Resp: 105614
Ion Ratio Lower Upper
146 100
111 44.6 27.7 51.5
148 60.4 47.0 87.2



#66
1,2-Dibromo-3-chloropropane
Concen: 11.42 ug/L
RT: 14.444 min Scan# 2057
Delta R.T. -0.037 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Tgt Ion: 75 Resp: 5529
Ion Ratio Lower Upper
75 100
157 0.0 99.9 149.9#
155 2.2 71.4 107.0#





#69
Naphthalene
Concen: 0.28 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017931.D
Acq: 18 Jan 2021 16:19

Instrument :
MSVOA_W
ClientSampleId :
F1C17

Tgt Ion:128 Resp: 2260
Ion Ratio Lower Upper
128 100
129 24.5 8.7 13.1#
127 6.9 10.7 16.1#

