

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
 Data File : VW018316.D
 Acq On : 12 Mar 2021 13:51
 Operator : SY/VA
 Sample : M1630-06
 Misc : 6.20G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG574

Quant Time: Mar 13 00:39:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 13 00:38:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	305540	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	270512	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	125579	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	81278	24.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.24%		
7) Chloroethane-d5	2.898	69	64542	24.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.08%		
10) 1,1-Dichloroethene-d2	4.025	63	139213	18.11	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.44%		
20) 2-Butanone-d5	7.086	46	26712	33.96	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	67.92%		
24) Chloroform-d	7.653	84	184978	22.35	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	89.40%		
26) 1,2-Dichloroethane-d4	8.305	65	93827	20.60	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	82.40%		
29) Benzene-d6	8.275	84	349066	24.24	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.96%		
33) 1,2-Dichloropropane-d6	9.274	67	93384	23.40	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	93.60%		
37) Toluene-d8	10.323	98	330584	23.79	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.16%		
38) trans-1,3-Dichloroprop...	10.579	79	39513	19.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	79.92%		
39) 2-Hexanone-d5	10.927	63	23199	34.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	69.90%		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	62748	18.39	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	73.56%		
61) 1,2-Dichlorobenzene-d4	13.853	152	107036	23.45	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	93.80%		
Target Compounds						
3) Chloromethane	2.221	50	7940	2.86	ug/L	93
11) 1,1,2-Trichloro-1,2,2-...	4.025	101	1163	0.27	ug/L #	20
12) 1,1-Dichloroethene	4.038	96	1114	0.28	ug/L #	1
13) Acetone	4.135	43	94932	154.40	ug/L	99
14) Carbon disulfide	4.385	76	9294	0.79	ug/L	99
16) Methylene chloride	4.934	84	4821	1.03	ug/L	95
21) 2-Butanone	7.177	43	44390	52.12	ug/L	96
34) Benzene	8.323	78	202232	12.99	ug/L	100
35) Trichloroethene	9.092	95	26254	5.75	ug/L	98
42) cis-1,3-Dichloropropene	10.036	75	3221	0.53	ug/L #	70
44) Toluene	10.390	91	181393	10.40	ug/L	91
45) trans-1,3-Dichloropropene	10.579	75	2028	0.37	ug/L #	79
47) Tetrachloroethene	10.866	164	223882	65.55	ug/L	83
49) 2-Hexanone	10.969	43	1784	1.38	ug/L #	94
50) Dibromochloromethane	10.866	129	224662	61.51	ug/L #	8
53) Ethylbenzene	11.731	91	38079	1.90	ug/L	97
54) m,p-Xylene	11.835	106	26003	3.42	ug/L	98
55) o-xylene	12.164	106	18614	2.62	ug/L	93
56) Styrene	12.176	104	20611	1.70	ug/L	98
59) 1,2,3-Trichloropropane	13.554	75	16104	6.20	ug/L	91

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Quant Time: Mar 13 00:39:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 13 00:38:12 2021
Response via : Initial Calibration

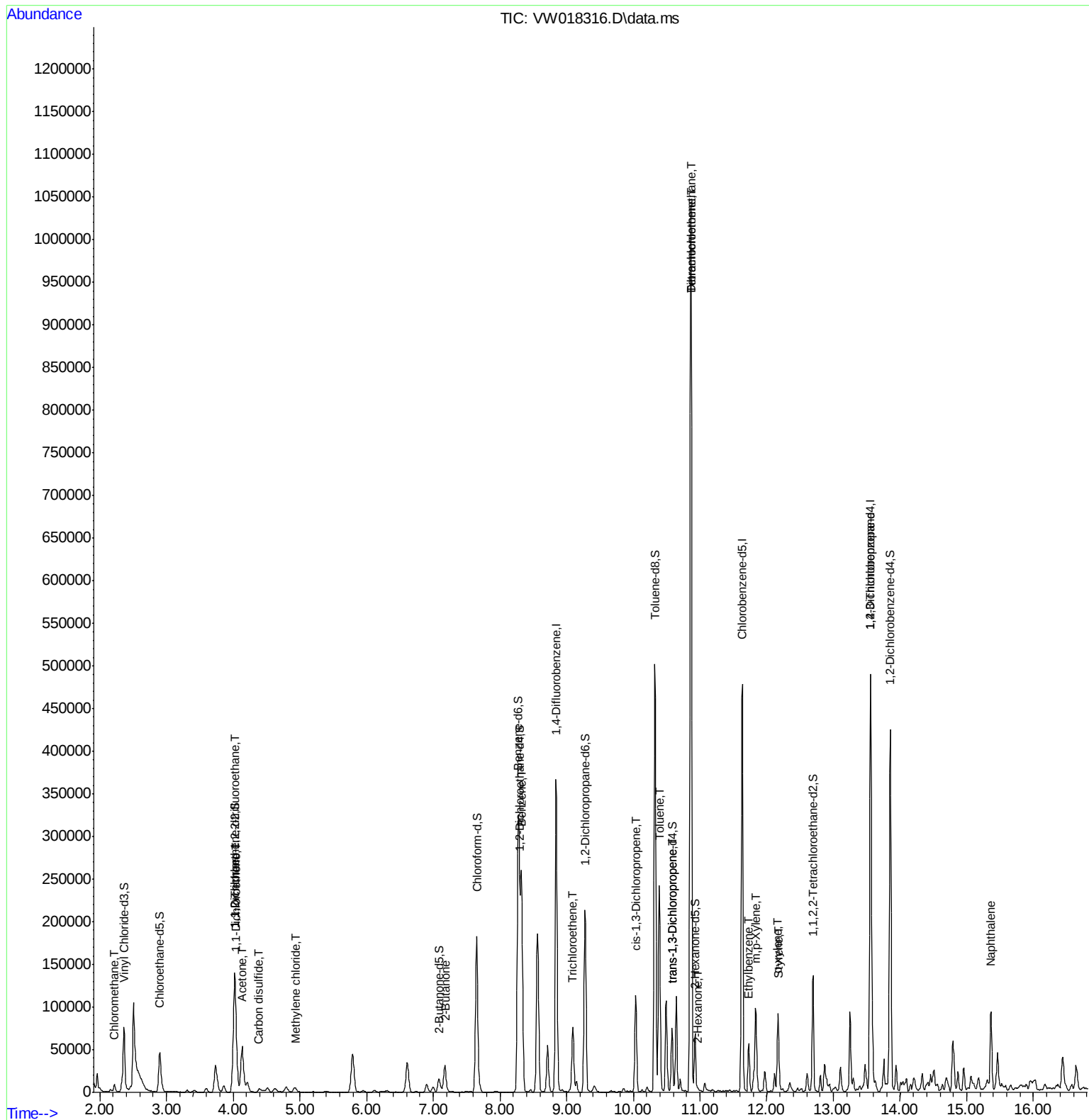
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	15.365	128	78021	7.94	ug/L	99

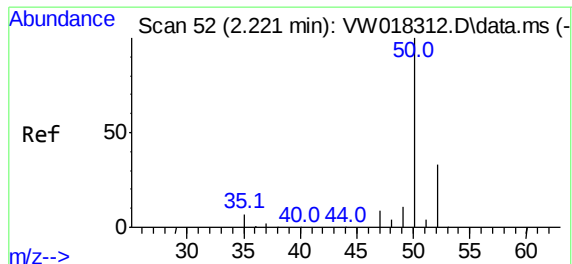
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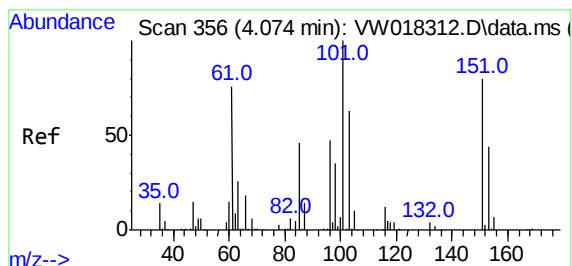
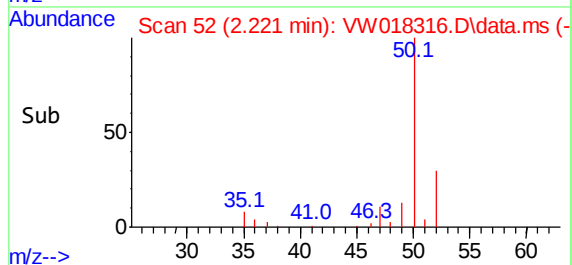
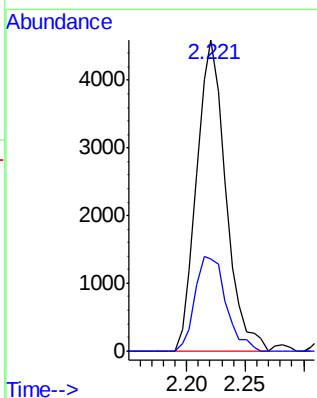
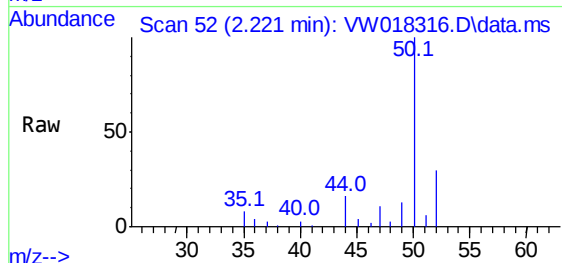




#3
Chloromethane
Concen: 2.86 ug/L
RT: 2.221 min Scan# 52
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

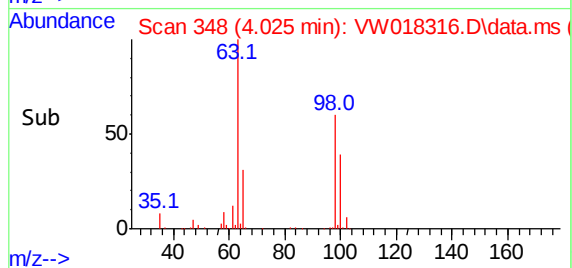
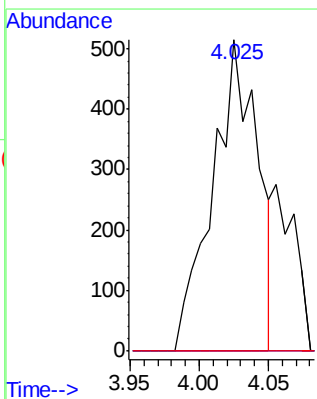
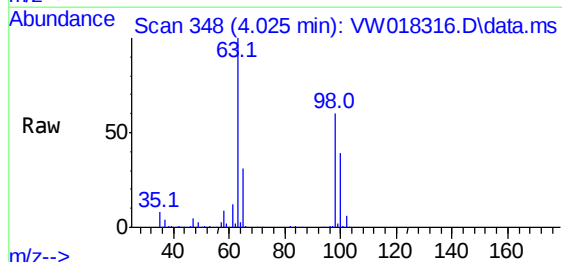
Instrument :
MSVOA_W
ClientSampleId :
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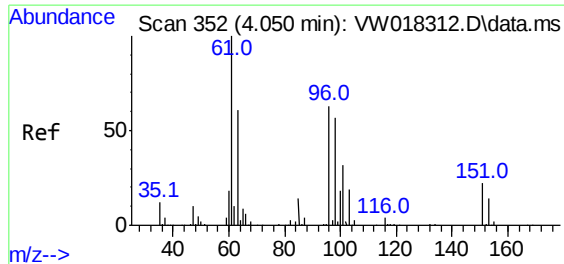
Tgt Ion: 50 Resp: 7940
Ion Ratio Lower Upper
50 100
52 29.6 23.7 43.9



#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.27 ug/L
RT: 4.025 min Scan# 348
Delta R.T. -0.049 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Tgt Ion: 101 Resp: 1163
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 58.1 87.1#

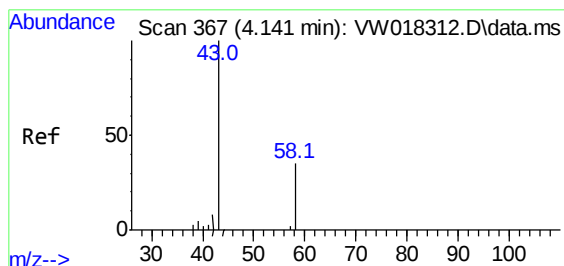
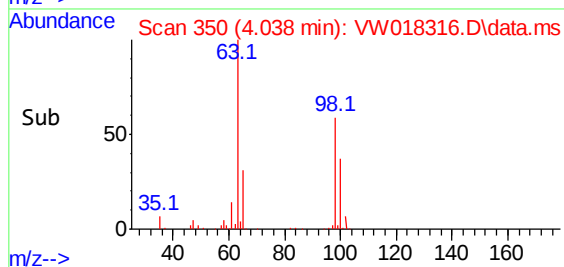
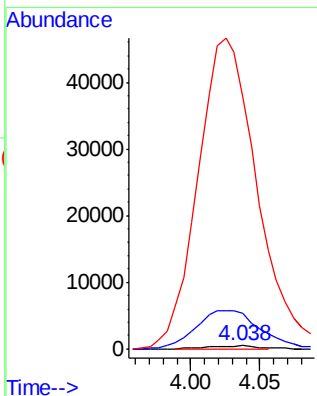
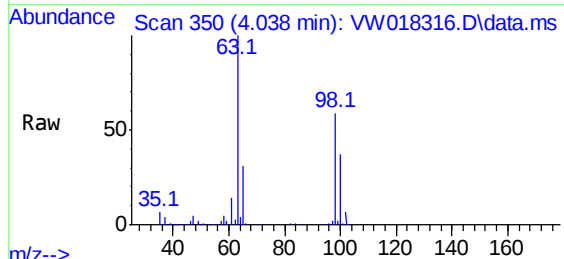




#12
1,1-Dichloroethene
Concen: 0.28 ug/L
RT: 4.038 min Scan# 350
Delta R.T. -0.012 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

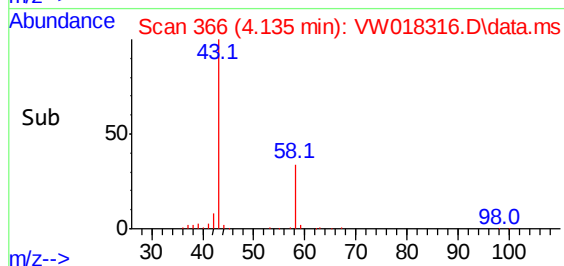
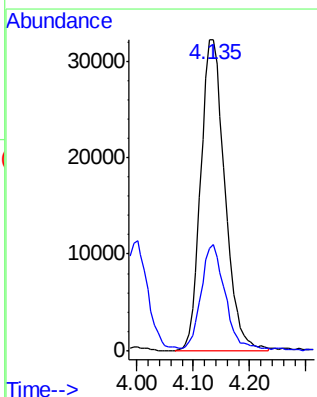
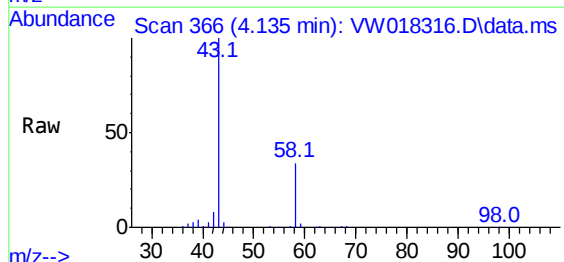
Instrument :
MSVOA_W
ClientSampleId :
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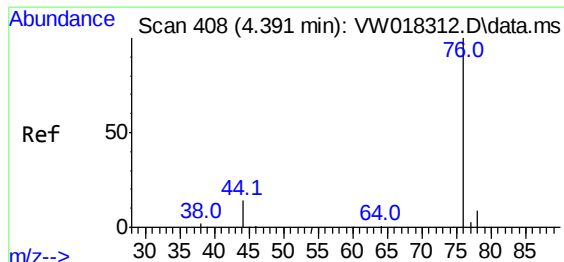
Tgt Ion: 96 Resp: 1114
Ion Ratio Lower Upper
96 100
61 1177.0 118.6 220.2#
63 8362.0 82.4 153.0#



#13
Acetone
Concen: 154.40 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Tgt Ion: 43 Resp: 94932
Ion Ratio Lower Upper
43 100
58 31.8 0.0 62.2

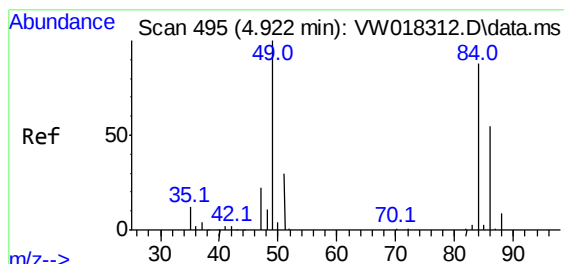
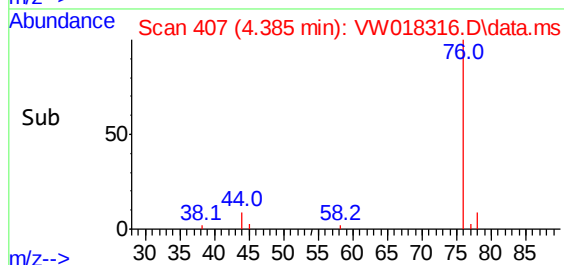
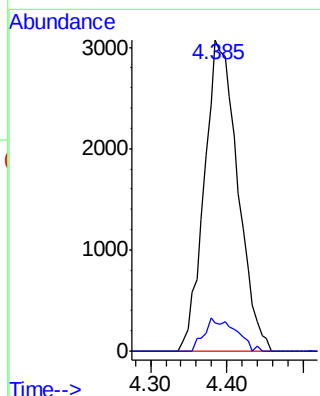
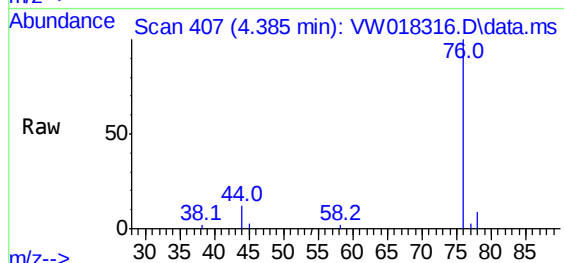




#14
Carbon disulfide
Concen: 0.79 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

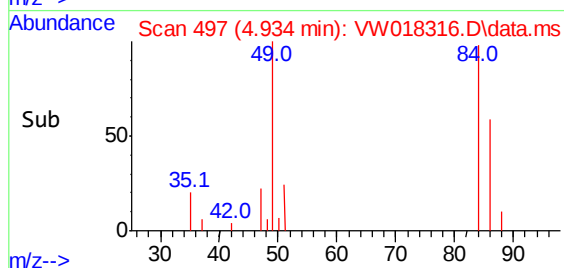
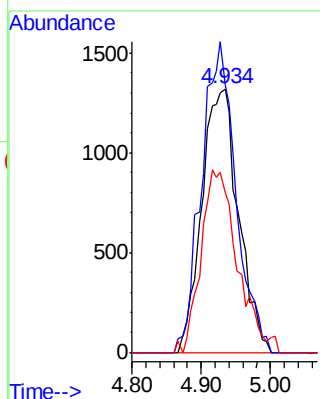
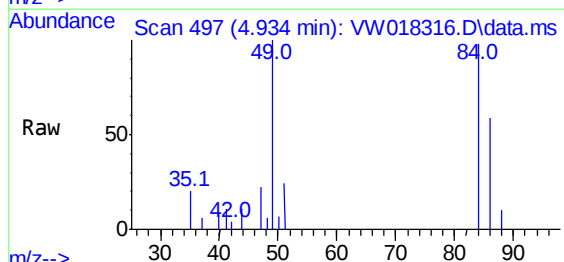
Instrument :
MSVOA_W
ClientSampleId :
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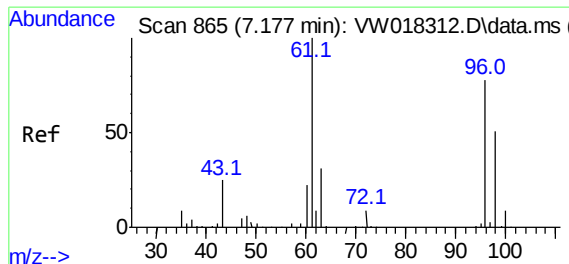
Tgt Ion: 76 Resp: 9294
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#16
Methylene chloride
Concen: 1.03 ug/L
RT: 4.934 min Scan# 497
Delta R.T. 0.012 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Tgt Ion: 84 Resp: 4821
Ion Ratio Lower Upper
84 100
49 101.7 74.4 138.2
86 60.4 46.1 85.7

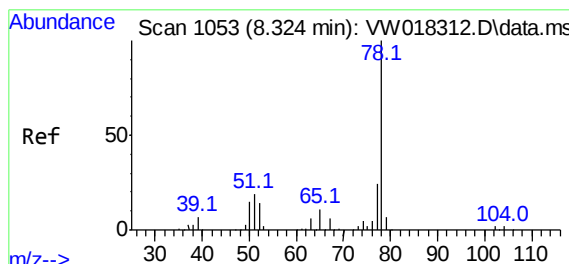
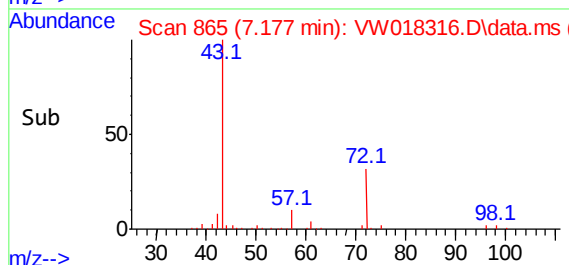
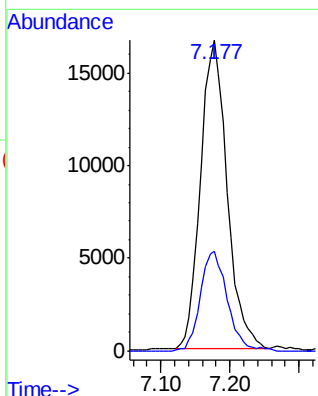
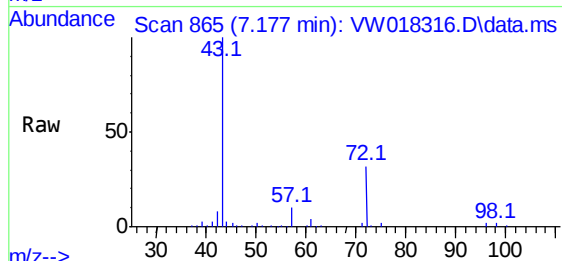




#21
2-Butanone
Concen: 52.12 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

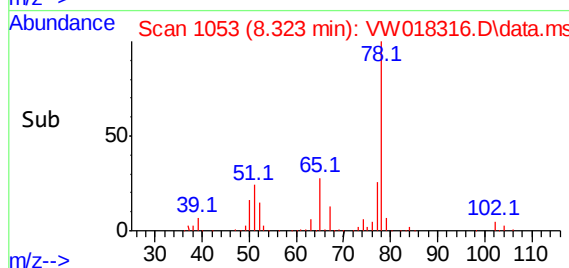
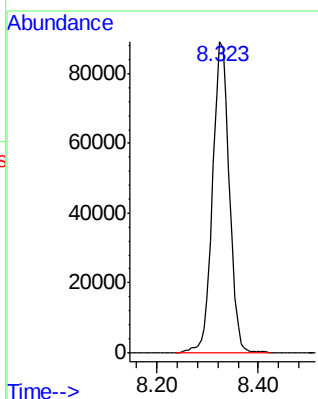
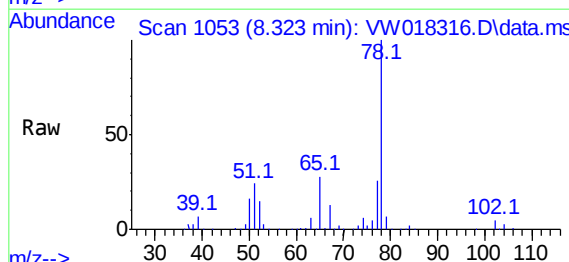
Instrument :
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ClientSampled :
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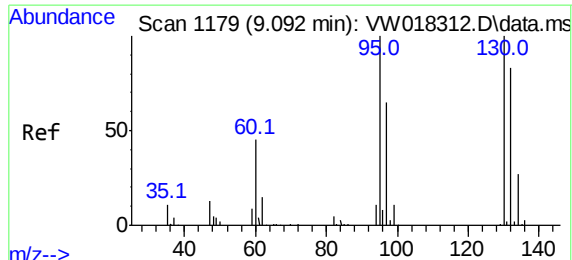
Tgt Ion: 43 Resp: 44390
Ion Ratio Lower Upper
43 100
72 31.0 16.5 49.5



#34
Benzene
Concen: 12.99 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

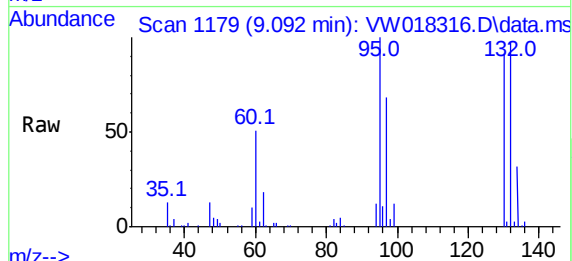
Tgt Ion: 78 Resp: 202232





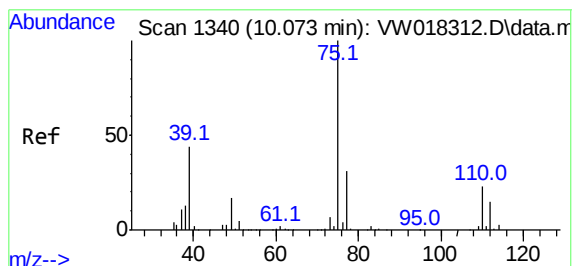
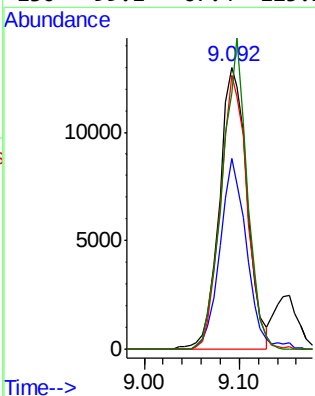
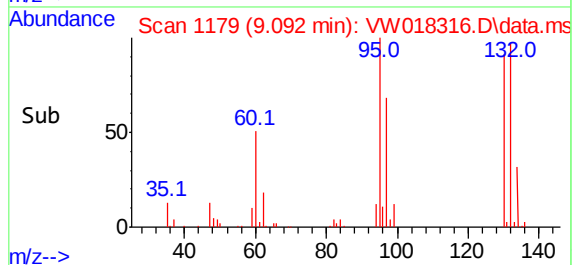
#35
Trichloroethene
Concen: 5.75 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

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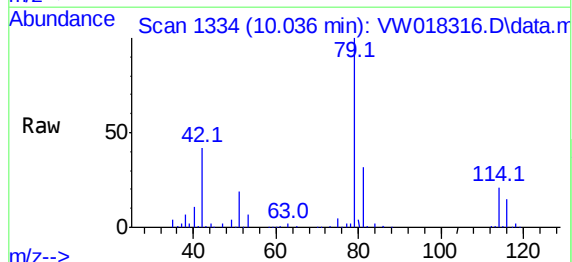


Tgt Ion: 95 Resp: 26254

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.4	82.4
132	93.4	65.9	122.5
130	99.1	67.4	125.2

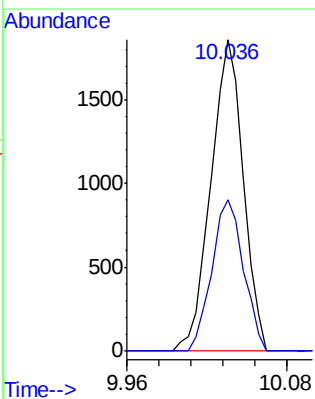
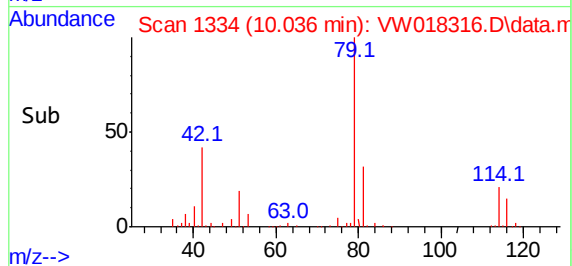


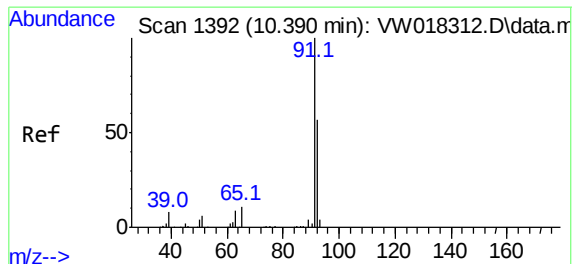
#42
cis-1,3-Dichloropropene
Concen: 0.53 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51



Tgt Ion: 75 Resp: 3221

Ion	Ratio	Lower	Upper
75	100		
77	48.5	22.4	41.6#





#44

Toluene

Concen: 10.40 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW018316.D

Acq: 12 Mar 2021 13:51

Instrument :

MSVOA_W

ClientSampled :

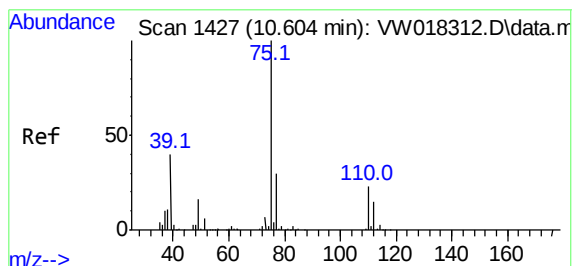
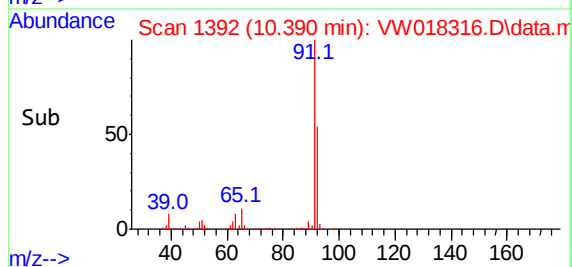
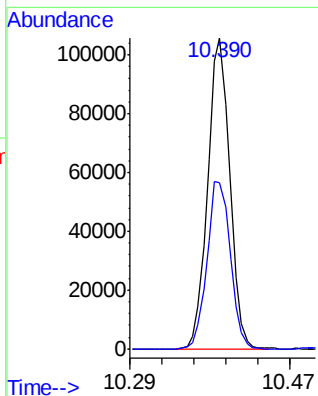
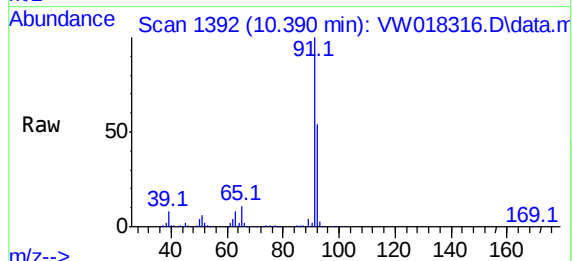
BG574

Tgt Ion: 91 Resp: 181393

Ion Ratio Lower Upper

91 100

92 53.6 42.3 78.5



#45

trans-1,3-Dichloropropene

Concen: 0.37 ug/L

RT: 10.579 min Scan# 1423

Delta R.T. -0.025 min

Lab File: VW018316.D

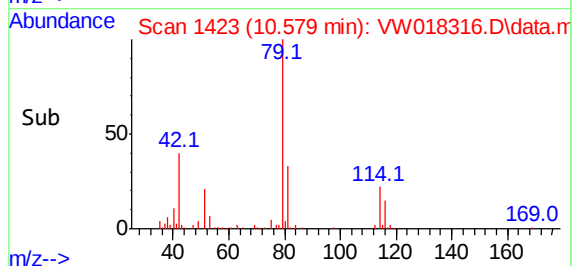
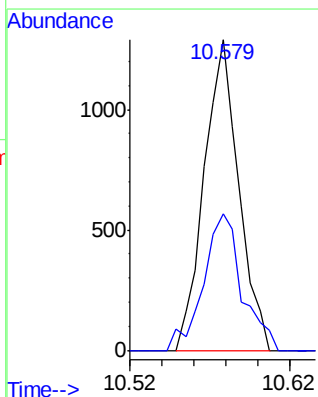
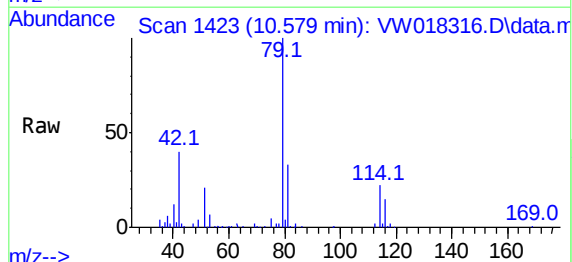
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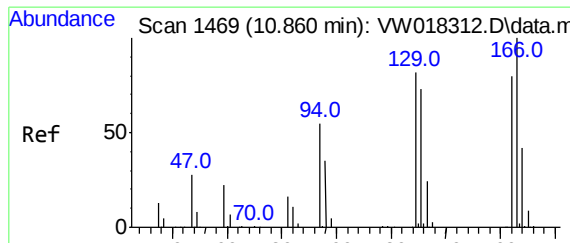
Tgt Ion: 75 Resp: 2028

Ion Ratio Lower Upper

75 100

77 43.8 22.6 42.0#



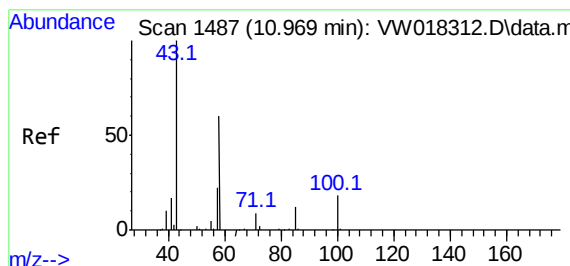
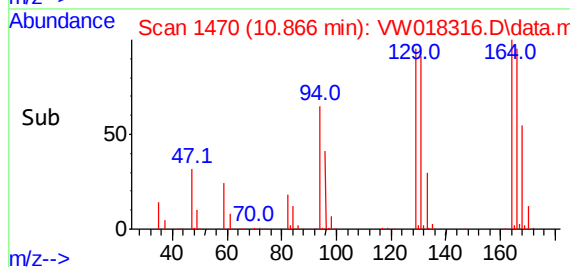
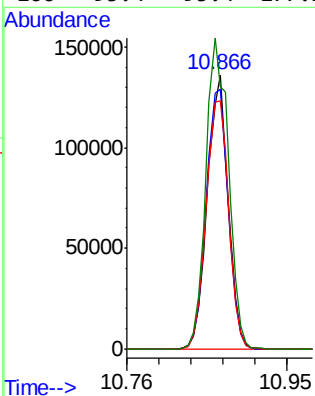
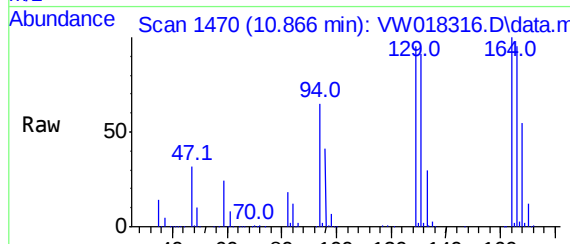


#47
Tetrachloroethene
Concen: 65.55 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Instrument :
MSVOA_W
ClientSampleId :
BG574

Tgt Ion:164 Resp: 223882

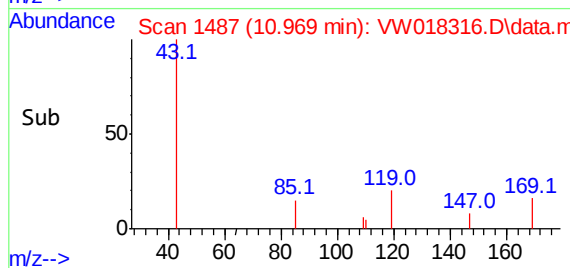
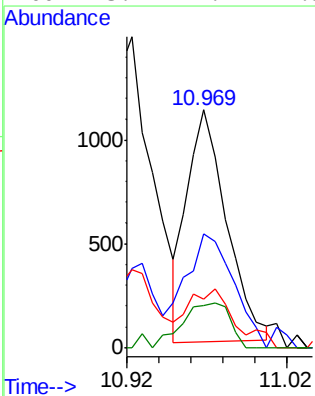
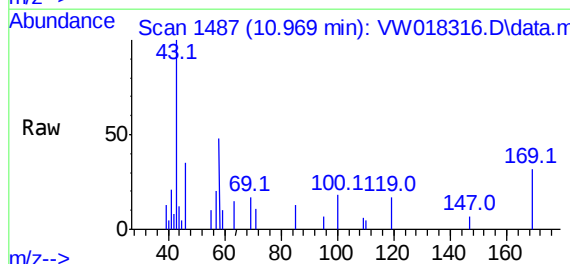
Ion	Ratio	Lower	Upper
164	100		
129	94.6	68.8	127.8
131	90.7	68.3	126.8
166	95.4	95.4	177.2

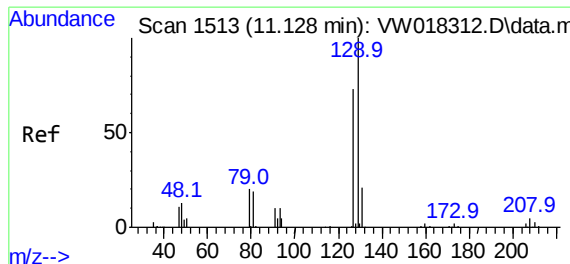


#49
2-Hexanone
Concen: 1.38 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Tgt Ion: 43 Resp: 1784

Ion	Ratio	Lower	Upper
43	100		
58	60.5	47.3	70.9
57	26.7	17.3	25.9#
100	23.1	12.9	19.3#

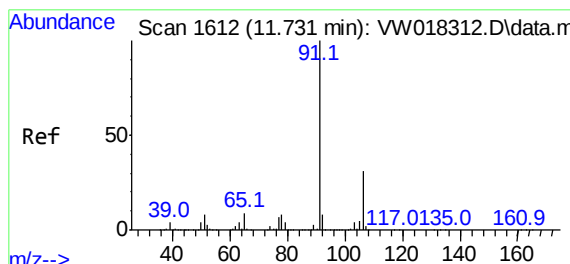
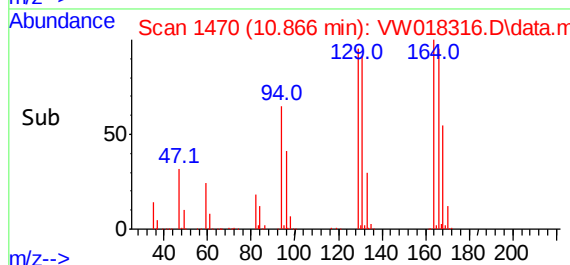
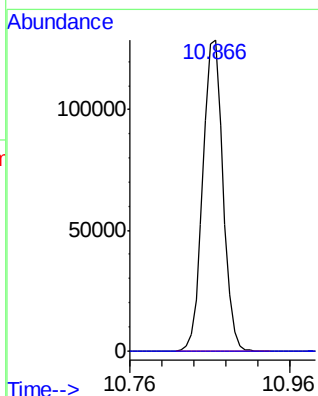
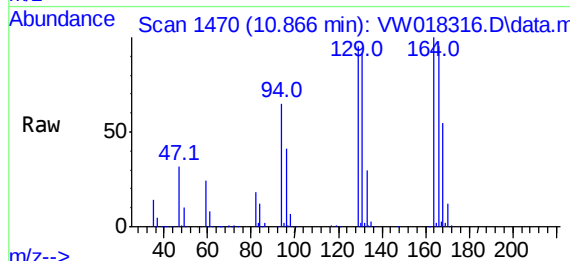




#50
Dibromochloromethane
Concen: 61.51 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

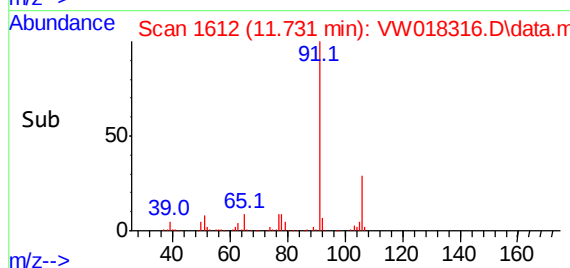
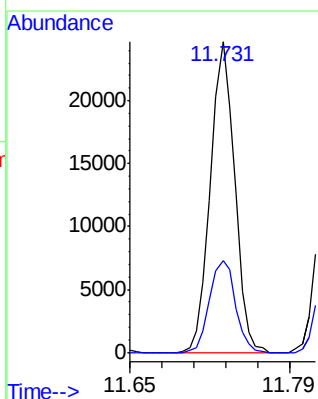
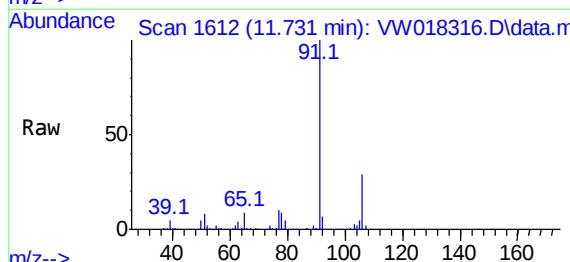
Instrument :
MSVOA_W
ClientSampleId :
BG574

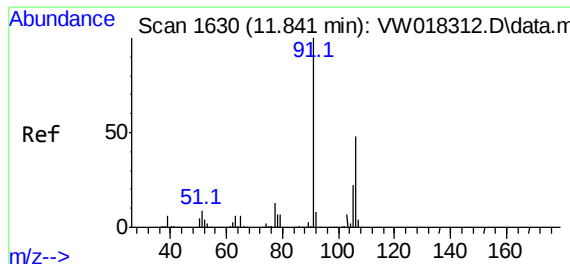
Tgt Ion: 129 Resp: 224662
Ion Ratio Lower Upper
129 100
127 0.0 58.0 107.6#



#53
Ethylbenzene
Concen: 1.90 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Tgt Ion: 91 Resp: 38079
Ion Ratio Lower Upper
91 100
106 29.4 21.7 40.3

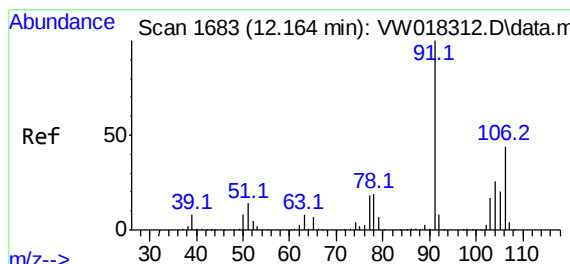
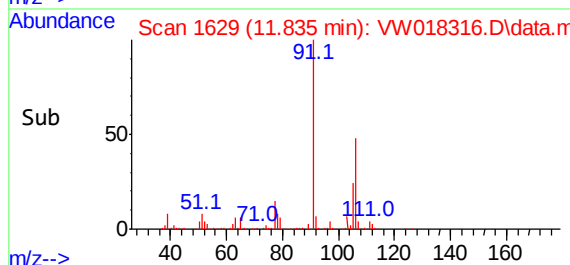
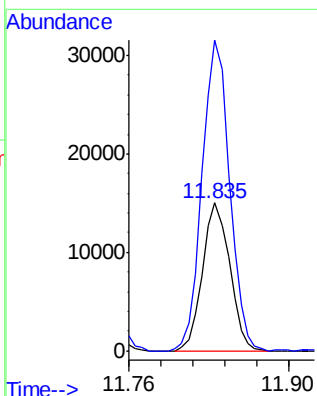
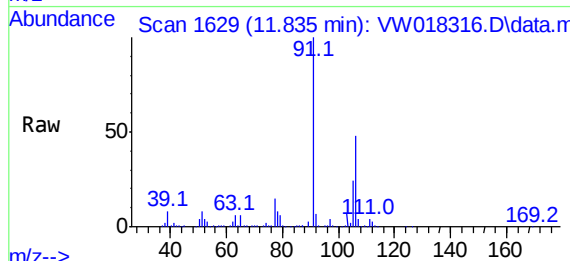




#54
m,p-Xylene
Concen: 3.42 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

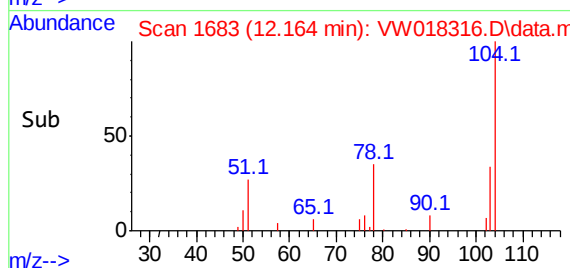
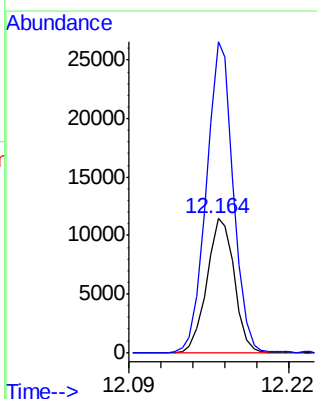
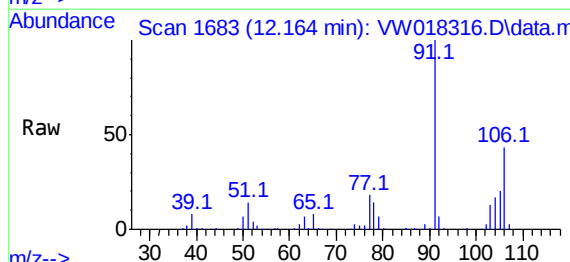
Instrument :
MSVOA_W
ClientSampled :
BG574

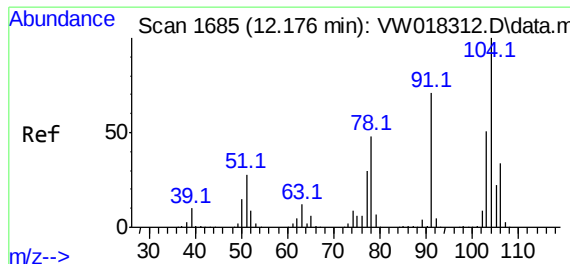
Tgt Ion:106 Resp: 26003
Ion Ratio Lower Upper
106 100
91 210.5 145.3 269.8



#55
o-xylene
Concen: 2.62 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Tgt Ion:106 Resp: 18614
Ion Ratio Lower Upper
106 100
91 232.4 154.3 286.5

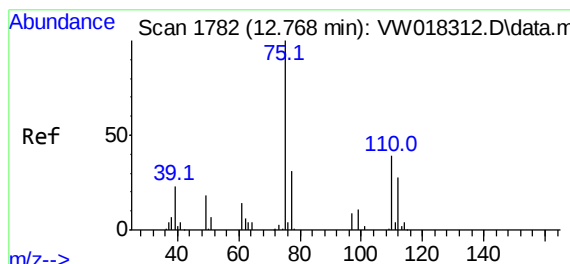
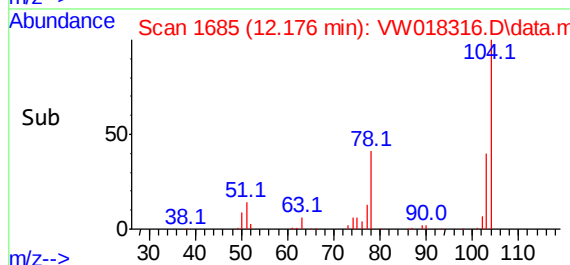
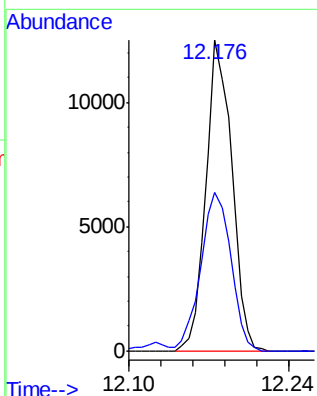
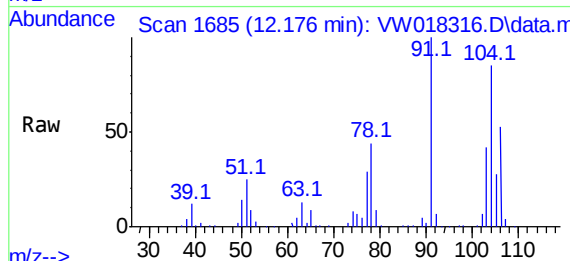




#56
Styrene
Concen: 1.70 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

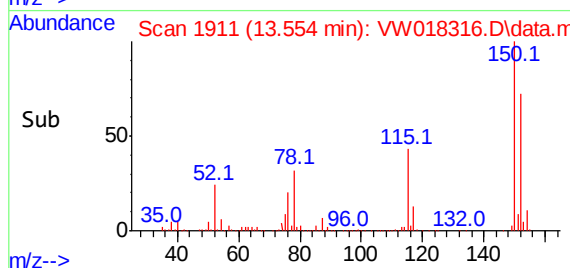
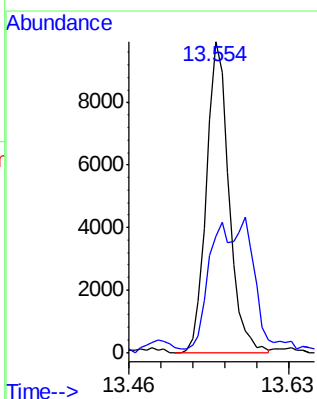
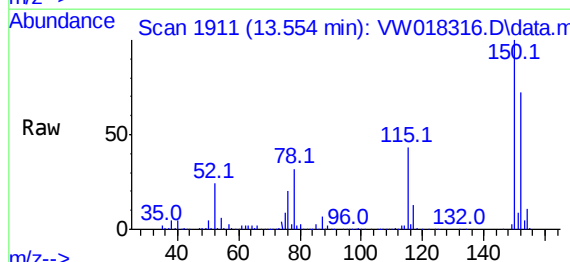
Instrument :
MSVOA_W
ClientSampled :
BG574

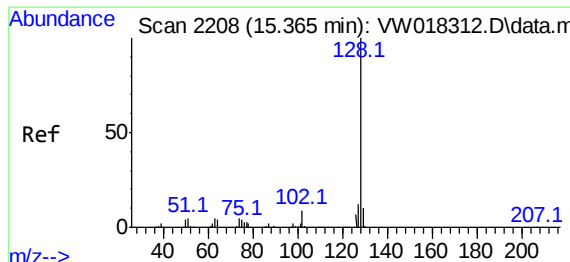
Tgt Ion: 104 Resp: 20611
Ion Ratio Lower Upper
104 100
78 51.2 34.7 64.5



#59
1,2,3-Trichloropropane
Concen: 6.20 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

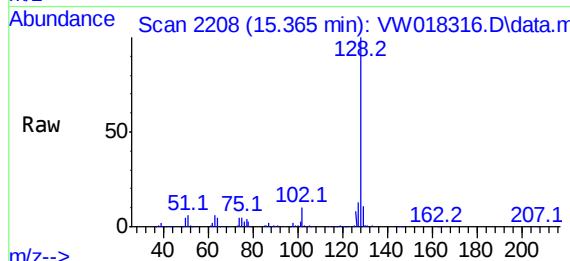
Tgt Ion: 75 Resp: 16104
Ion Ratio Lower Upper
75 100
77 37.2 25.6 38.4





#69
Naphthalene
Concen: 7.94 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018316.D
Acq: 12 Mar 2021 13:51

Instrument :
MSVOA_W
ClientSampleId :
BG574



Tgt Ion:128 Resp: 78021

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	13.9	10.7	16.1

