

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
 Data File : VW018196.D
 Acq On : 17 Feb 2021 19:00
 Operator : SY/VA
 Sample : M1414-14RE
 Misc : 4.85G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 18 06:19:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	365807	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	250053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	79543	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	96837	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.20%
7) Chloroethane-d5	2.898	69	81524	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.36%
10) 1,1-Dichloroethene-d2	4.019	63	145881	16.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.20%
20) 2-Butanone-d5	7.080	46	43171	35.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.16%
24) Chloroform-d	7.647	84	217666	22.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.68%
26) 1,2-Dichloroethane-d4	8.305	65	106603	20.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.40%
29) Benzene-d6	8.275	84	441487	32.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	128.60%
33) 1,2-Dichloropropane-d6	9.274	67	123429	32.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.56%#
37) Toluene-d8	10.323	98	377920	28.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.72%
38) trans-1,3-Dichloroprop...	10.579	79	40665	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.44%
39) 2-Hexanone-d5	10.927	63	35486	48.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.66%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	75896	22.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.00%
61) 1,2-Dichlorobenzene-d4	13.853	152	67610	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%
Target Compounds						
					Qvalue	
13) Acetone	4.117	43	179094	199.53	ug/L	98
16) Methylene chloride	4.916	84	7493	1.28	ug/L	93
21) 2-Butanone	7.171	43	8397	6.14	ug/L	96
34) Benzene	8.323	78	96776	6.62	ug/L	100
36) Methylcyclohexane	9.335	83	2023	0.29	ug/L #	87
40) 1,2-Dichloropropane	9.274	63	13959	4.16	ug/L #	84
41) Bromodichloromethane	9.335	83	1744	0.36	ug/L #	24
42) cis-1,3-Dichloropropene	10.037	75	3153	0.58	ug/L #	66
43) 4-Methyl-2-pentanone	10.213	43	11652	5.59	ug/L #	95
44) Toluene	10.390	91	9291383	577.61	ug/L	94
45) trans-1,3-Dichloropropene	10.579	75	1755	0.37	ug/L #	54
51) 1,2-Dibromoethane	11.207	107	778	0.27	ug/L #	39
53) Ethylbenzene	11.731	91	378999	20.74	ug/L	95
54) m,p-Xylene	11.835	106	28688	4.12	ug/L	98
55) o-xylene	12.164	106	9023	1.36	ug/L	93
56) Styrene	12.182	104	22290	1.98	ug/L	94
57) Isopropylbenzene	12.463	105	10352	0.56	ug/L #	97
69) Naphthalene	15.365	128	2227	0.35	ug/L #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Feb 18 06:19:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 18 06:15:22 2021
Response via : Initial Calibration

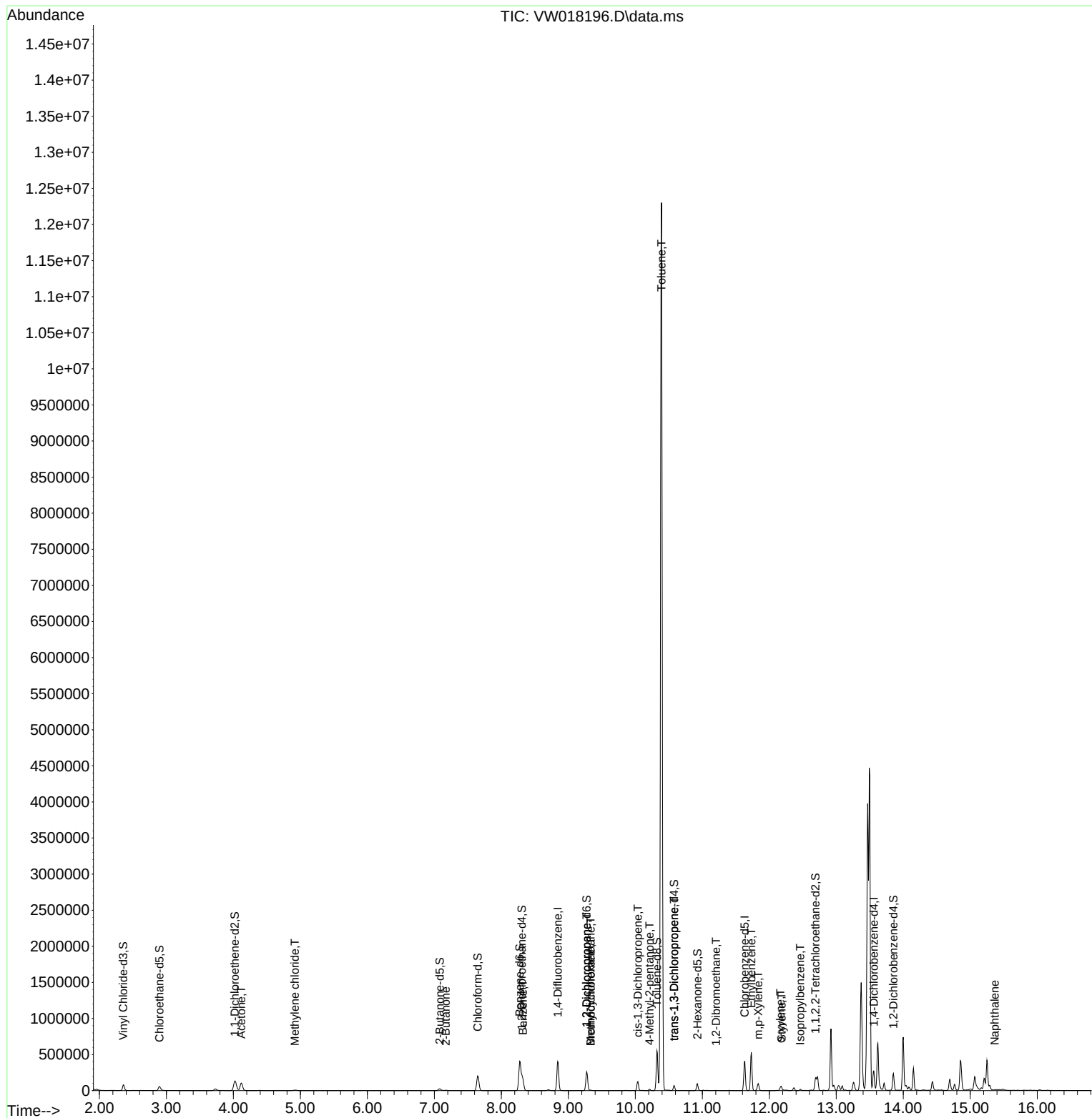
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

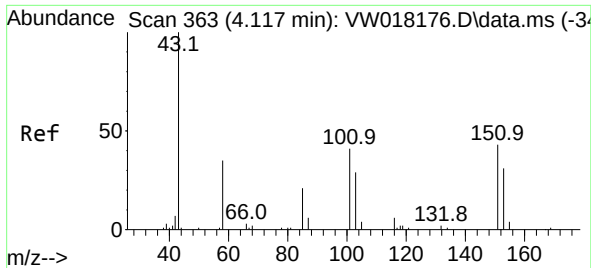
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Feb 18 06:19:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 18 06:15:22 2021
Response via : Initial Calibration

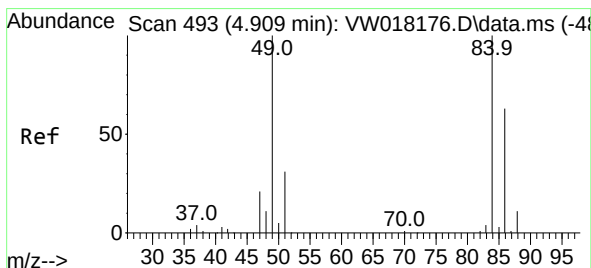
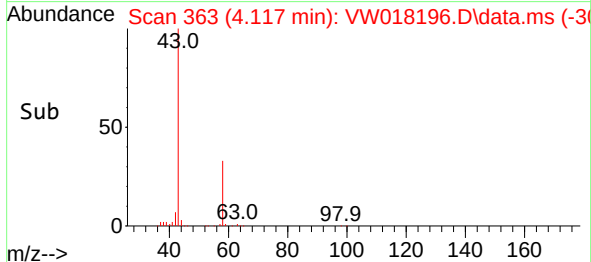
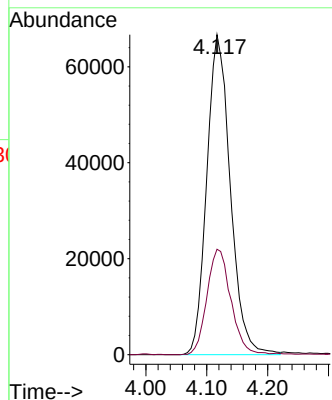
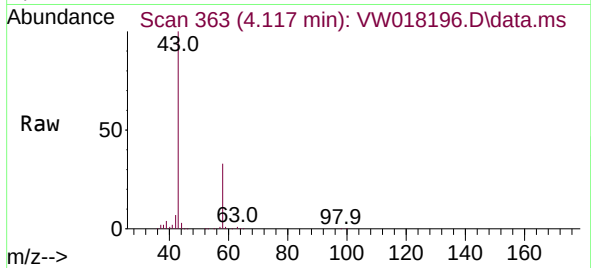




#13
Acetone
Concen: 199.53 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

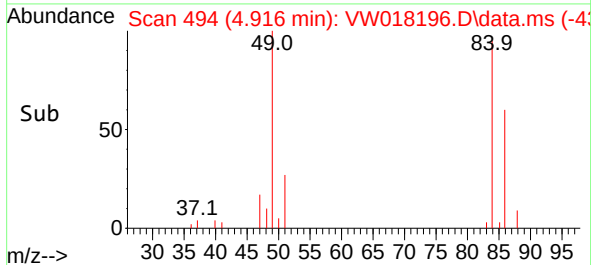
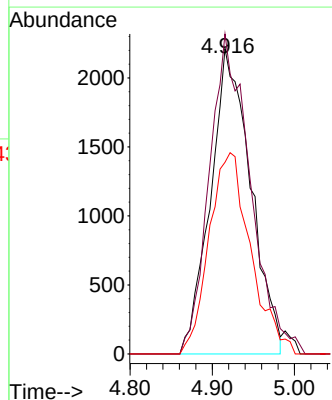
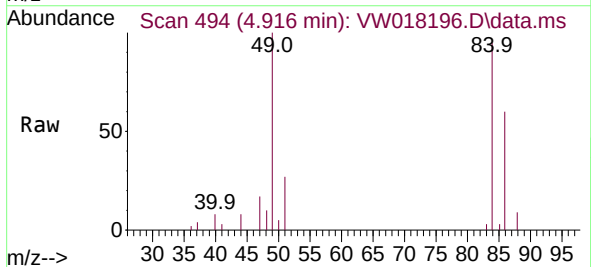
Instrument :
MSVOA_W
ClientSampled :

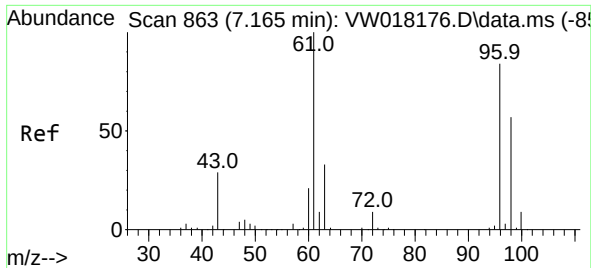
Tgt Ion: 43 Resp: 179094
Ion Ratio Lower Upper
43 100
58 33.2 0.0 68.4



#16
Methylene chloride
Concen: 1.28 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion: 84 Resp: 7493
Ion Ratio Lower Upper
84 100
49 104.7 81.2 150.8
86 62.7 44.5 82.7

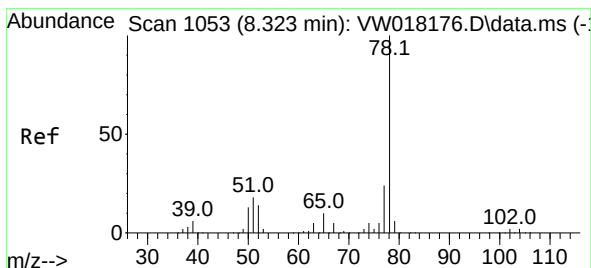
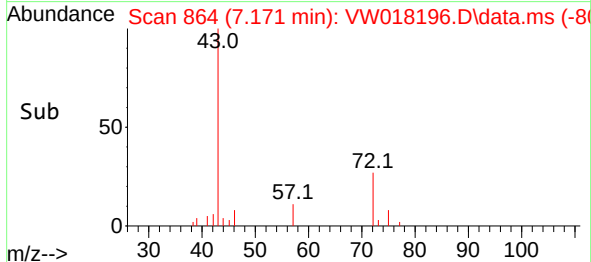
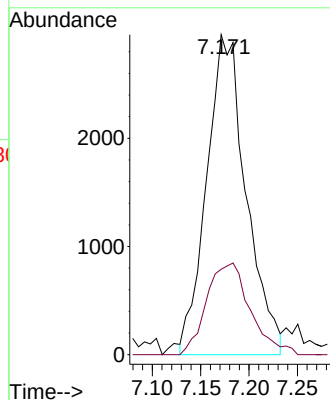
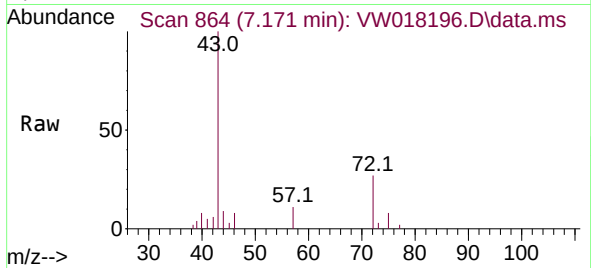




#21
2-Butanone
Concen: 6.14 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

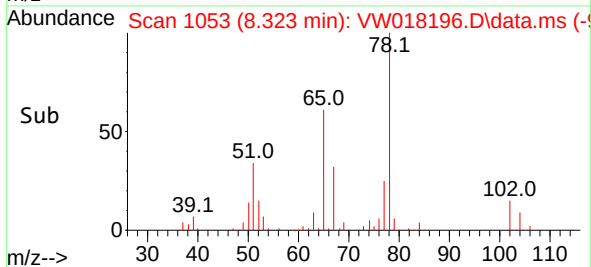
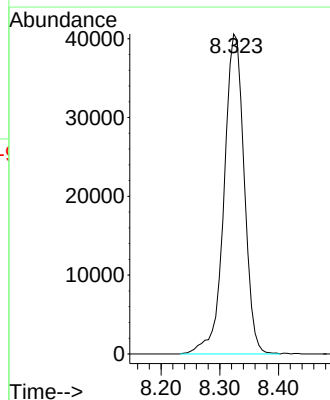
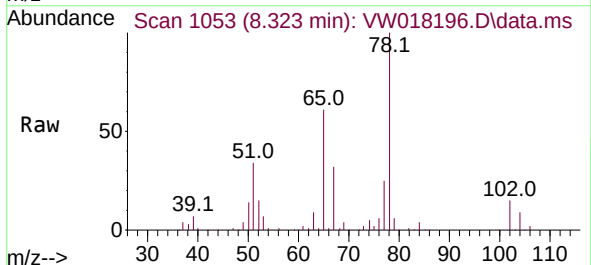
Instrument :
MSVOA_W
ClientSampled :

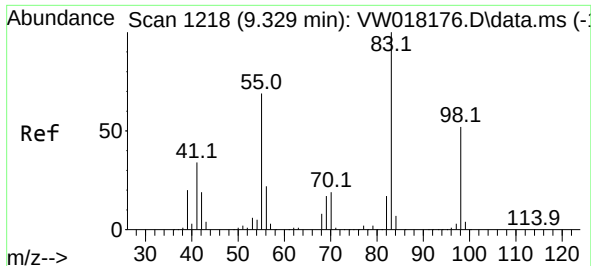
Tgt Ion: 43 Resp: 8397
Ion Ratio Lower Upper
43 100
72 31.0 14.4 43.2



#34
Benzene
Concen: 6.62 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion: 78 Resp: 96776

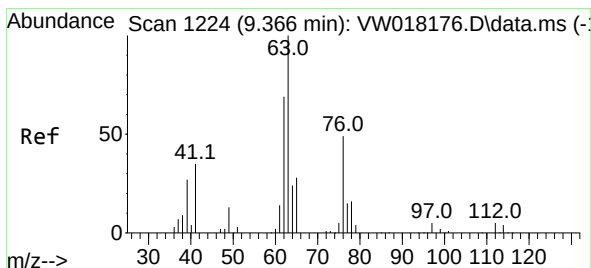
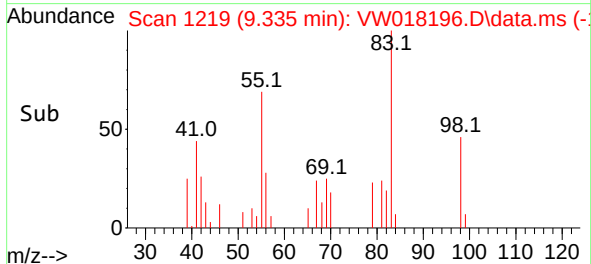
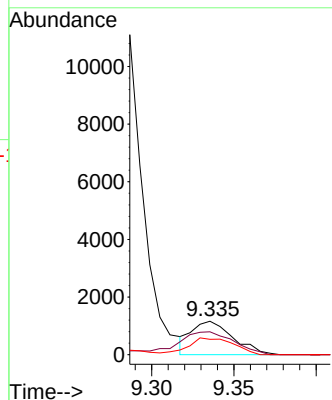
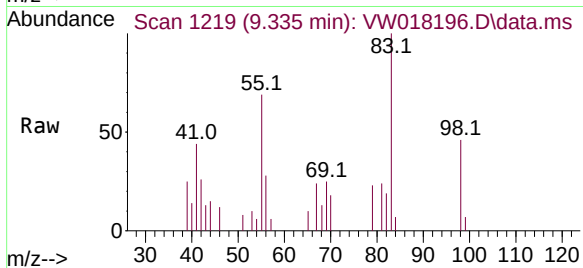




#36
Methylcyclohexane
Concen: 0.29 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.006 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

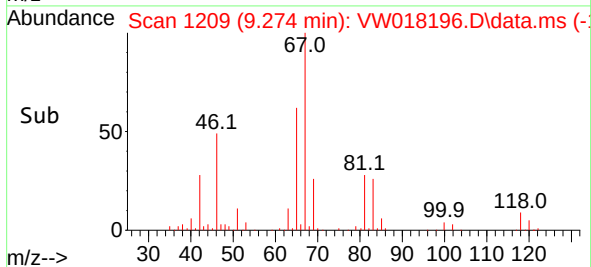
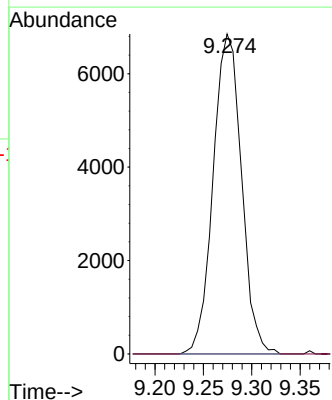
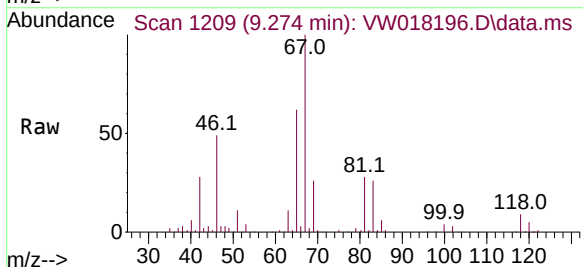
Instrument :
MSVOA_W
ClientSampled :

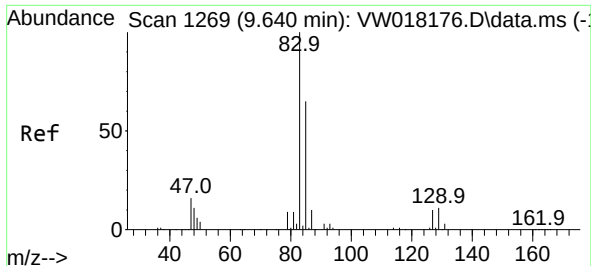
Tgt Ion: 83 Resp: 2023
Ion Ratio Lower Upper
83 100
55 89.9 59.4 89.0#
98 54.9 40.7 61.1



#40
1,2-Dichloropropane
Concen: 4.16 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion: 63 Resp: 13959
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#

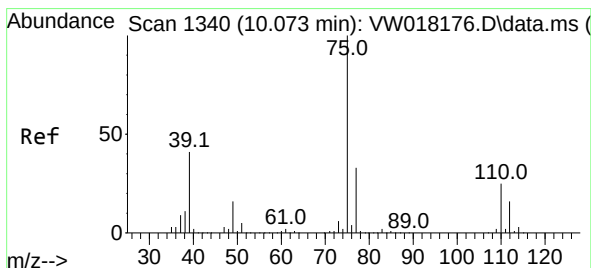
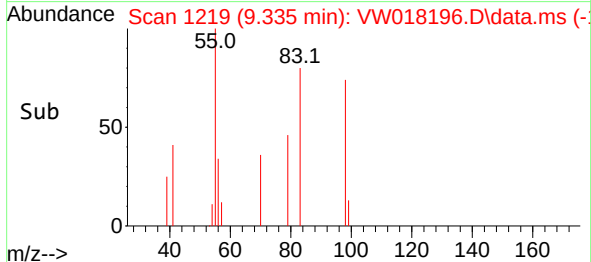
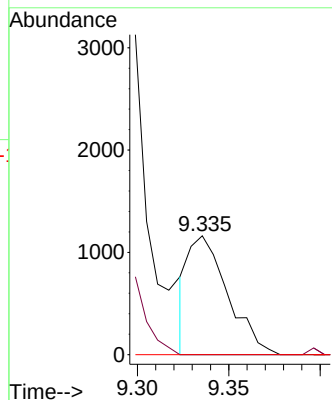
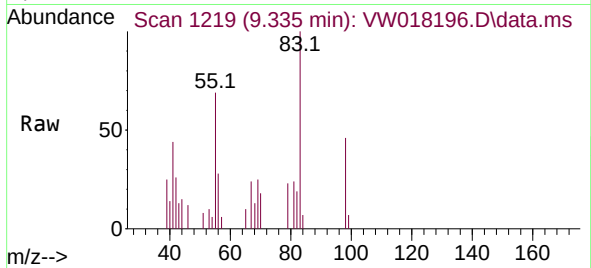




#41
Bromodichloromethane
Concen: 0.36 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.305 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

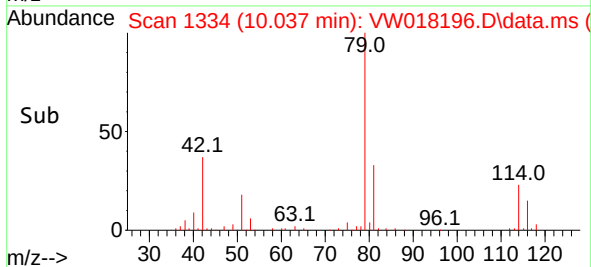
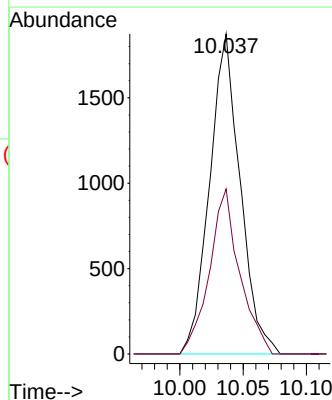
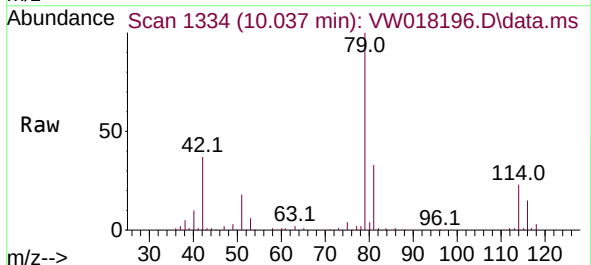
Instrument :
MSVOA_W
ClientSampled :

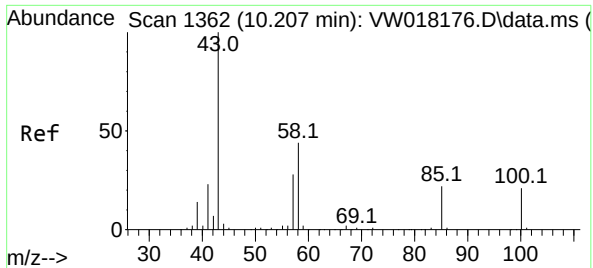
Tgt Ion: 83 Resp: 1744
Ion Ratio Lower Upper
83 100
85 0.0 46.8 86.8#
127 0.0 7.6 11.4#



#42
cis-1,3-Dichloropropene
Concen: 0.58 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion: 75 Resp: 3153
Ion Ratio Lower Upper
75 100
77 51.5 22.7 42.3#

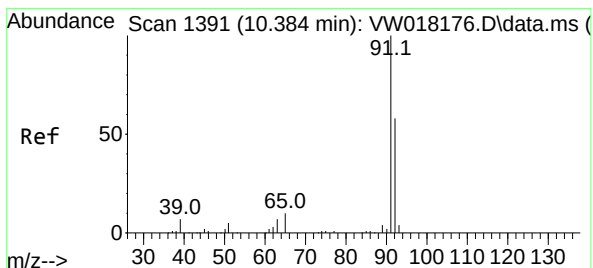
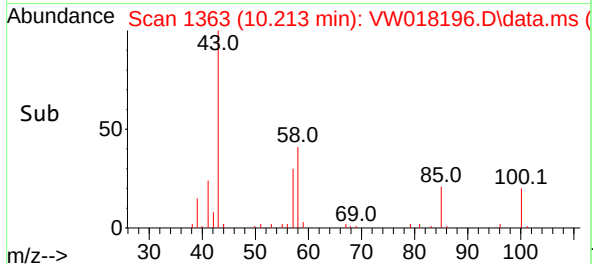
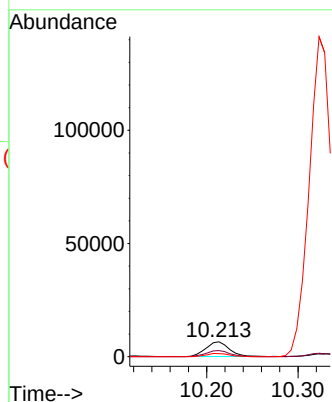
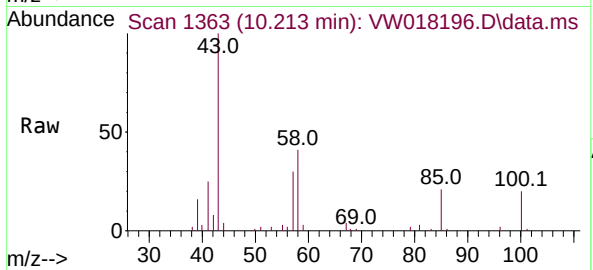




#43
4-Methyl-2-pentanone
Concen: 5.59 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

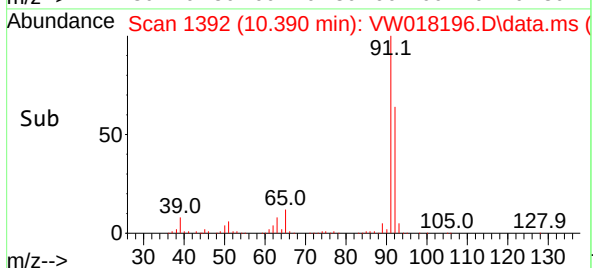
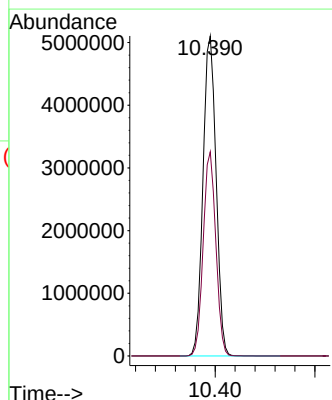
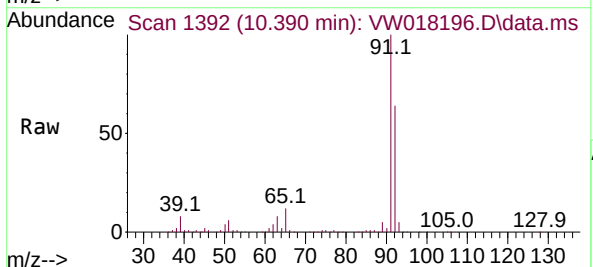
Instrument :
MSVOA_W
ClientSampled :

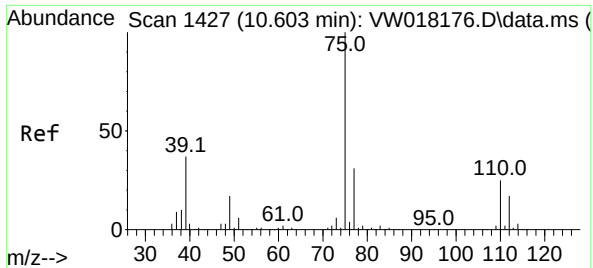
Tgt Ion: 43 Resp: 11652
Ion Ratio Lower Upper
43 100
58 41.9 31.6 47.4
100 21.4 14.1 21.1#



#44
Toluene
Concen: 577.61 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion: 91 Resp: 9291383
Ion Ratio Lower Upper
91 100
92 63.8 41.6 77.3

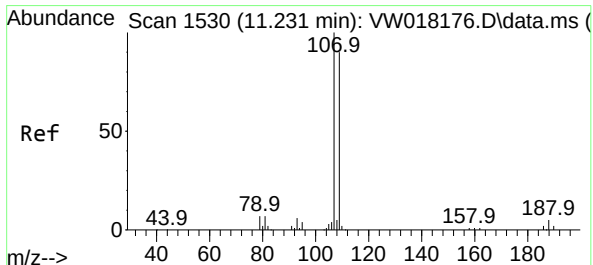
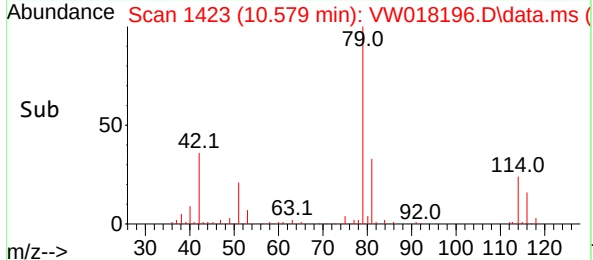
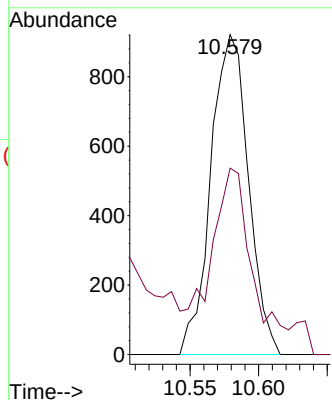
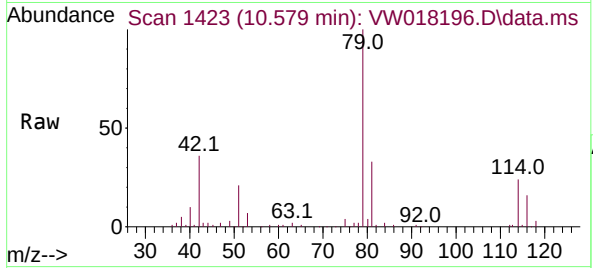




#45
trans-1,3-Dichloropropene
Concen: 0.37 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

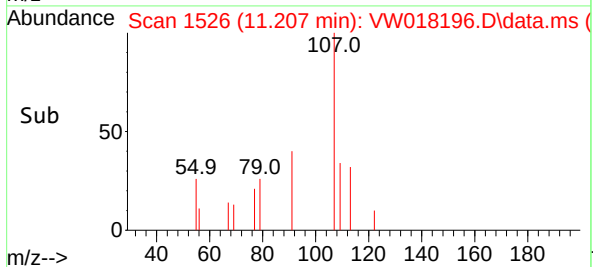
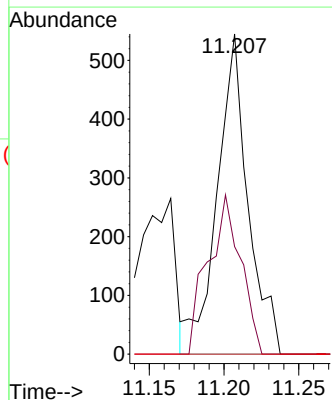
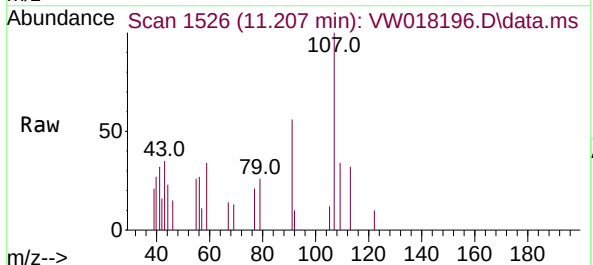
Instrument :
MSVOA_W
ClientSampled :

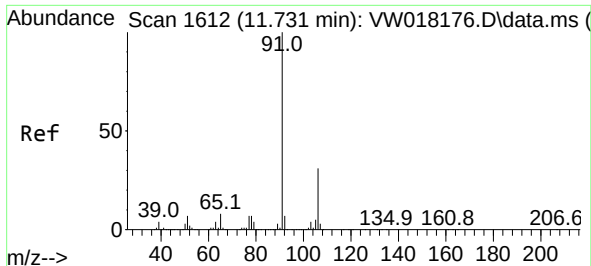
Tgt Ion: 75 Resp: 1755
Ion Ratio Lower Upper
75 100
77 58.3 22.6 42.0#



#51
1,2-Dibromoethane
Concen: 0.27 ug/L
RT: 11.207 min Scan# 1526
Delta R.T. -0.024 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion:107 Resp: 778
Ion Ratio Lower Upper
107 100
109 33.6 66.4 123.2#
188 0.0 4.0 6.0#

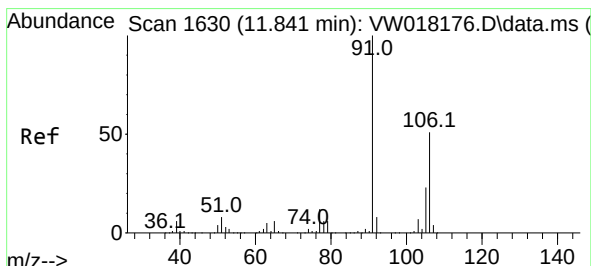
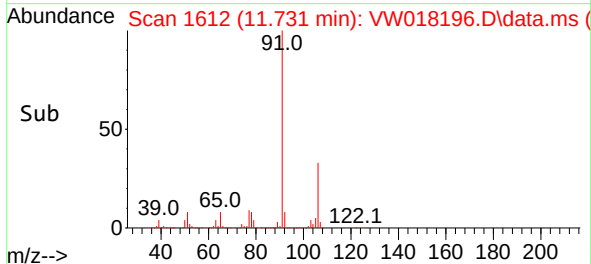
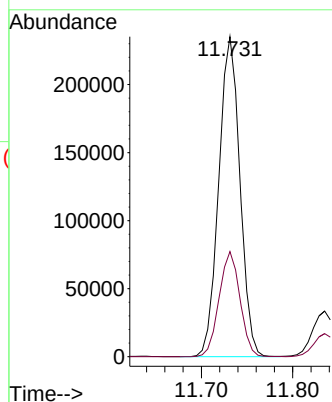
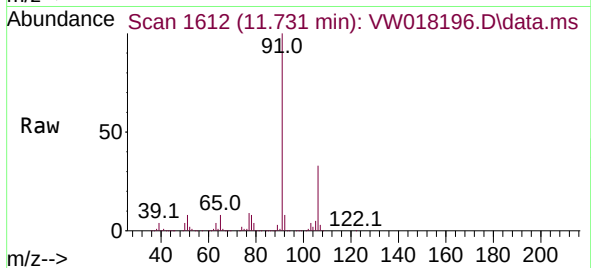




#53
Ethylbenzene
Concen: 20.74 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

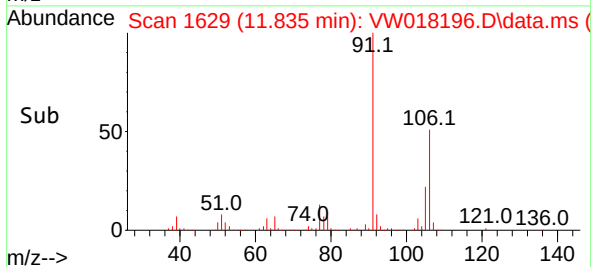
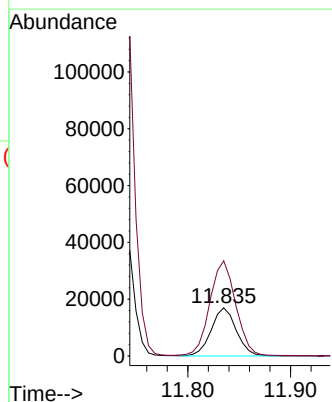
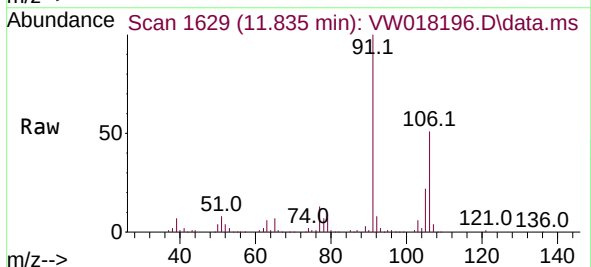
Instrument :
MSVOA_W
ClientSampled :

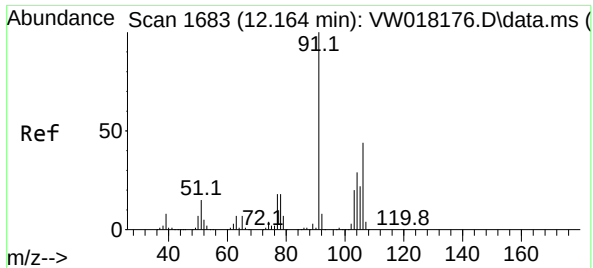
Tgt Ion: 91 Resp: 378999
Ion Ratio Lower Upper
91 100
106 32.9 21.1 39.1



#54
m,p-Xylene
Concen: 4.12 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion:106 Resp: 28688
Ion Ratio Lower Upper
106 100
91 197.6 136.4 253.4

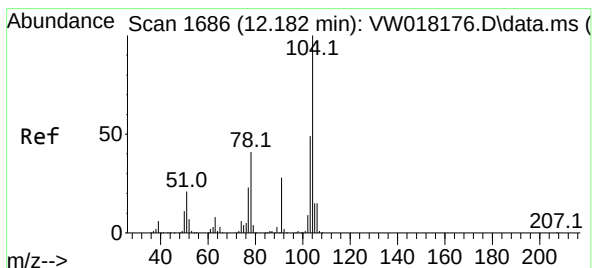
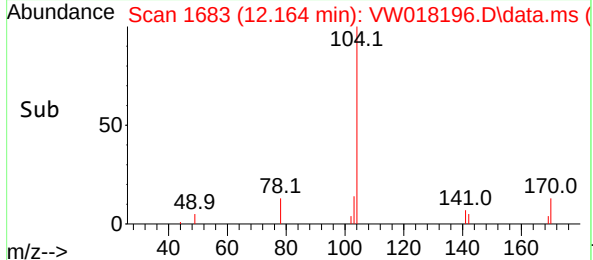
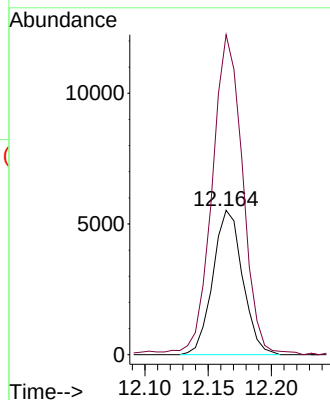
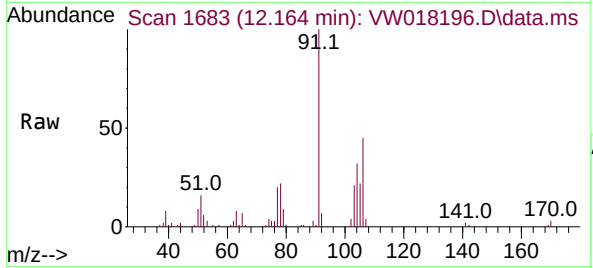




#55
o-xylene
Concen: 1.36 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

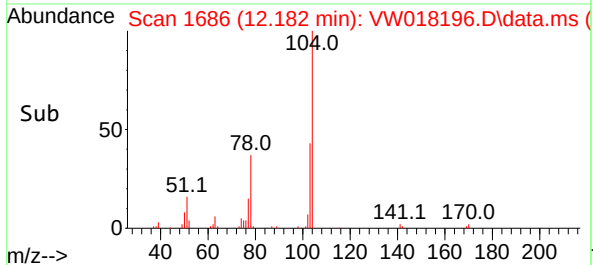
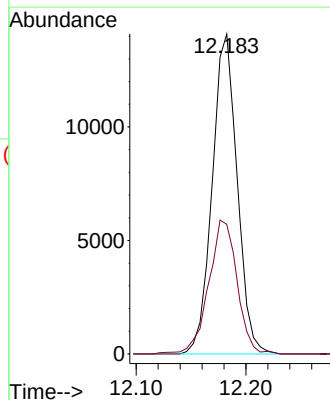
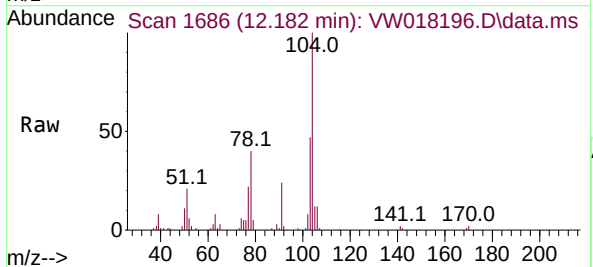
Instrument :
MSVOA_W
ClientSampled :

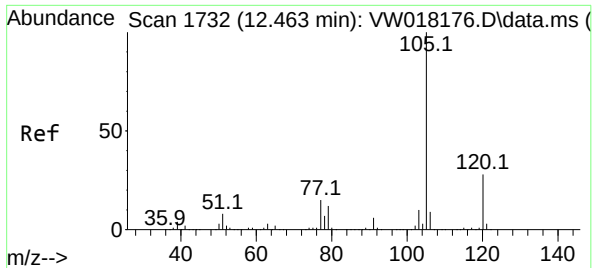
Tgt Ion:106 Resp: 9023
Ion Ratio Lower Upper
106 100
91 221.8 147.6 274.2



#56
Styrene
Concen: 1.98 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion:104 Resp: 22290
Ion Ratio Lower Upper
104 100
78 40.5 31.3 58.1

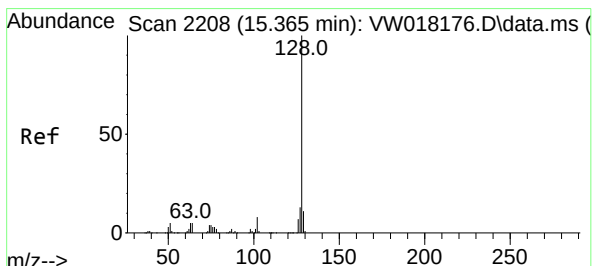
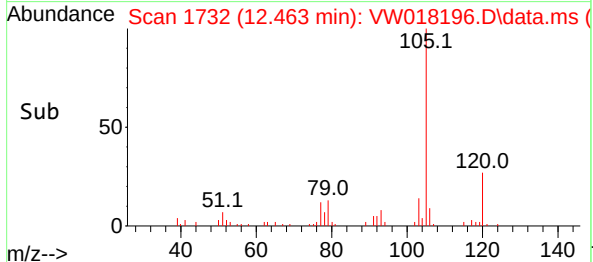
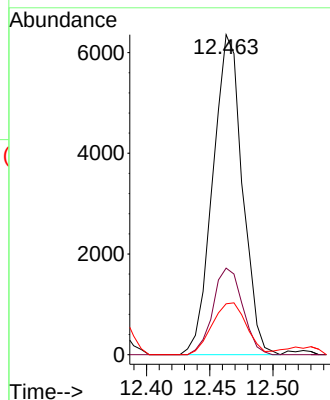
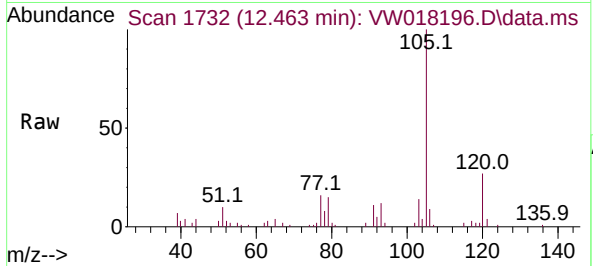




#57
Isopropylbenzene
Concen: 0.56 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:	105	Resp:	10352
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.4	32.2
77	18.7	12.1	18.1#



#69
Naphthalene
Concen: 0.35 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018196.D
Acq: 17 Feb 2021 19:00

Tgt Ion:	128	Resp:	2227
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.7	13.1
127	4.0	10.7	16.1#

