

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060321\
 Data File : VW019119.D
 Acq On : 03 Jun 2021 20:10
 Operator : SY/VA
 Sample : VIBLK120
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK120

Quant Time: Jun 04 01:05:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 04 01:03:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	595461	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	555668	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	275954	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	180705	22.950	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.800%
7) Chloroethane-d5	2.898	69	149276	22.259	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.040%
11) 1,1-Dichloroethene-d2	4.025	63	255607	16.339	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.360%
21) 2-Butanone-d5	7.080	46	115327	55.915	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.840%
24) Chloroform-d	7.653	84	375851	23.477	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.920%
26) 1,2-Dichloroethane-d4	8.311	65	223308	24.868	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.480%
32) Benzene-d6	8.281	84	767519	24.244	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.960%
36) 1,2-Dichloropropane-d6	9.275	67	235672	24.555	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.240%
41) Toluene-d8	10.323	98	693393	23.849	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	10.579	79	99321	23.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.560%
47) 2-Hexanone-d5	10.927	63	94674	58.171	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.340%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	206117	26.034	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.120%
66) 1,2-Dichlorobenzene-d4	13.853	152	231380	24.023	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	2732	0.354	ug/L	98
3) Chloromethane	2.215	50	2923	0.410	ug/L	88
5) Vinyl chloride	2.367	62	4404	0.404	ug/L #	1
9) Trichlorofluoromethane	3.269	101	1635	0.274	ug/L	97
13) Acetone	4.141	43	5539	3.031	ug/L	75
16) Methylene chloride	4.928	84	41902	3.792	ug/L	91
17) trans-1,2-Dichloroethene	5.434	96	2917	0.321	ug/L	79
27) 1,2-Dichloroethane	8.403	62	4597	0.412	ug/L	96
29) Cyclohexane	7.958	56	4825	0.334	ug/L	92
30) 1,1,1-Trichloroethane	7.872	97	3958	0.310	ug/L #	84
31) Carbon tetrachloride	8.067	117	3723	0.315	ug/L	100
34) Trichloroethene	9.098	95	3337	0.350	ug/L	87
35) Methylcyclohexane	9.342	83	5860	0.357	ug/L	94
37) 1,2-Dichloropropane	9.366	63	3194	0.356	ug/L #	95
38) Bromodichloromethane	9.646	83	3995	0.343	ug/L #	96
42) Toluene	10.390	91	24345	0.619	ug/L	96
45) 1,1,2-Trichloroethane	10.786	97	2783	0.412	ug/L	97
46) Tetrachloroethene	10.866	164	2718	0.373	ug/L	86
50) 1,2-Dibromoethane	11.238	107	2712	0.414	ug/L #	97

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 Quant Title : SFAM01.0
 QLast Update : Fri Jun 04 01:03:52 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

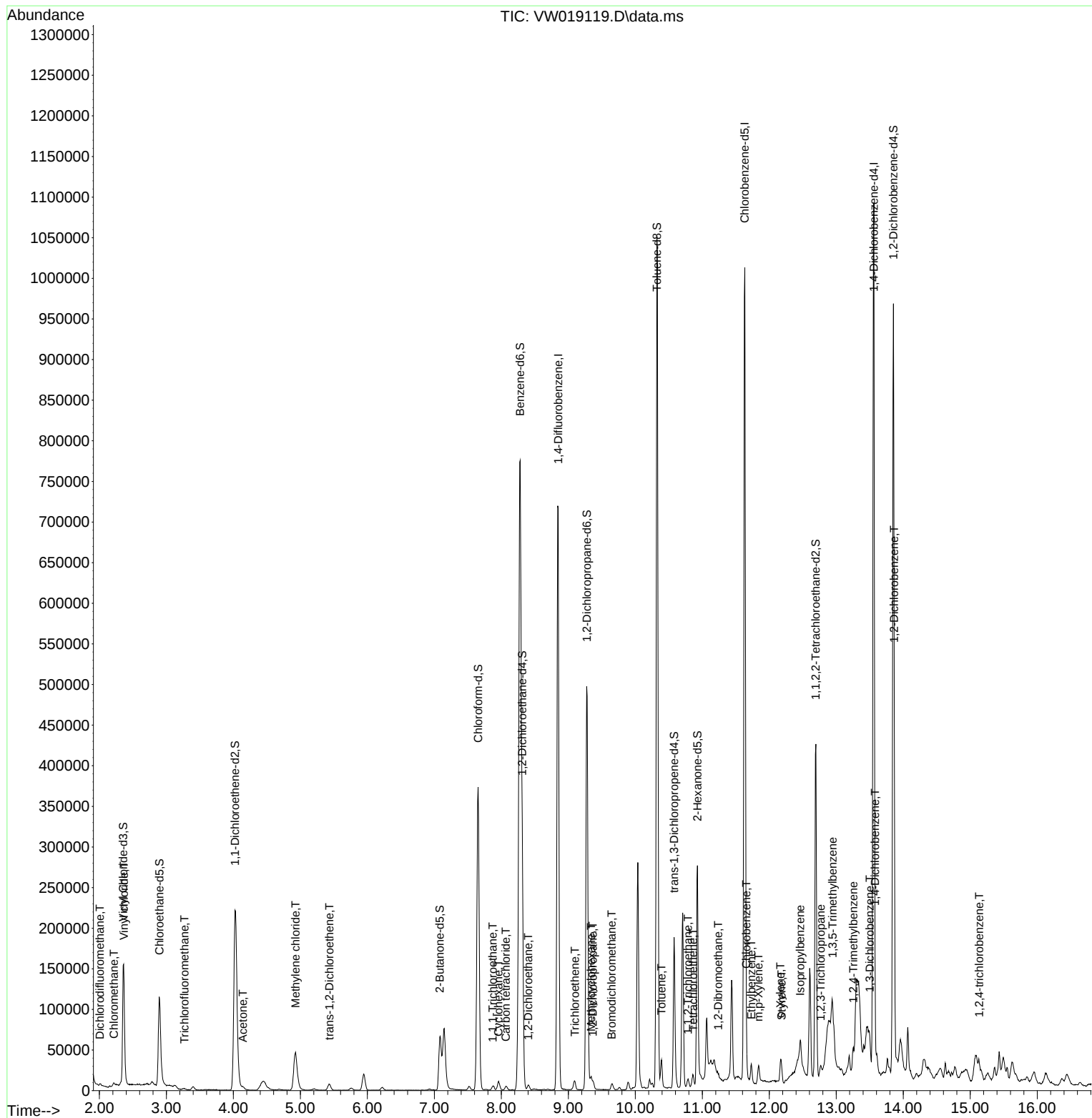
51) Chlorobenzene	11.658	112	8822	0.363	ug/L	97
52) Ethylbenzene	11.731	91	15418	0.356	ug/L	99
53) m,p-Xylene	11.841	106	6435	0.403	ug/L	98
54) o-Xylene	12.164	106	5564	0.366	ug/L	93
55) Styrene	12.183	104	9367	0.358	ug/L	91
60) Isopropylbenzene	12.463	105	16367	0.396	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	2948	0.478	ug/L #	86
62) 1,3,5-Trimethylbenzene	12.945	105	14903	0.439	ug/L	98
63) 1,2,4-Trimethylbenzene	13.256	105	14786	0.437	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	7855	0.436	ug/L	93
65) 1,4-Dichlorobenzene	13.579	146	7414	0.402	ug/L	93
67) 1,2-Dichlorobenzene	13.865	146	7147	0.440	ug/L #	85
70) 1,2,4-trichlorobenzene	15.133	180	5255	0.491	ug/L	100

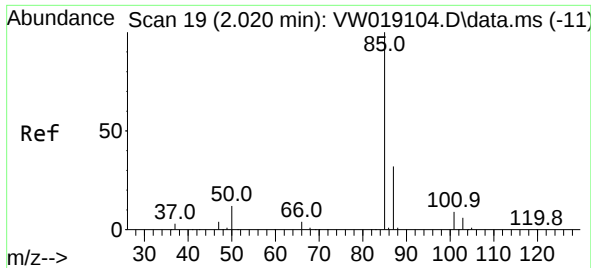
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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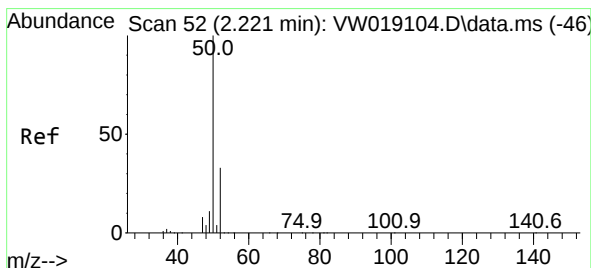
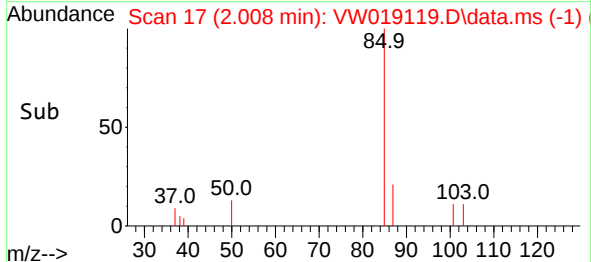
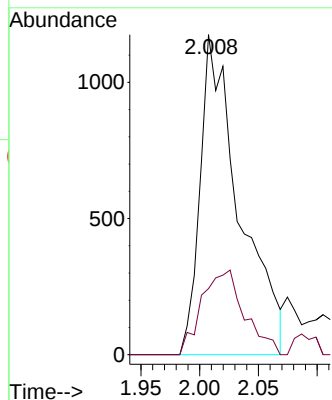
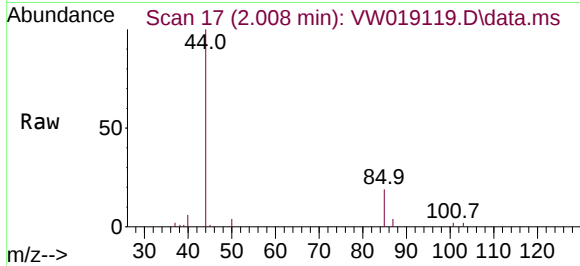




#2
Dichlorodifluoromethane
Concen: 0.354 ug/L
RT: 2.008 min Scan# 17
Delta R.T. -0.012 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

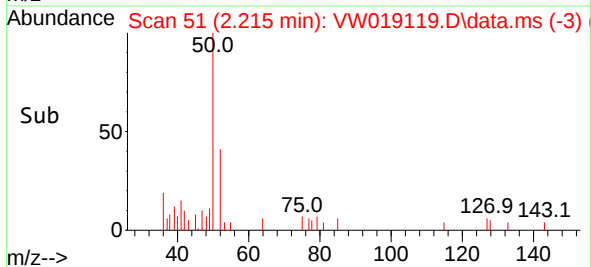
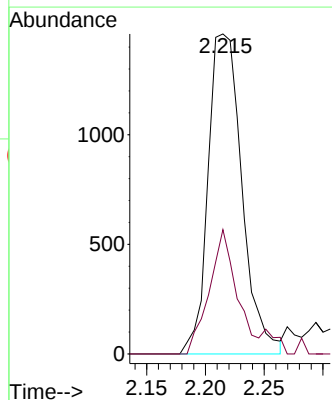
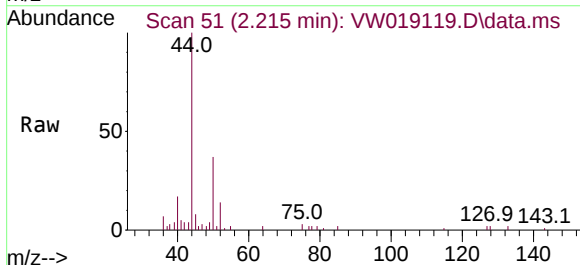
Instrument :
MSVOA_W
ClientSampled :
VIBLK120

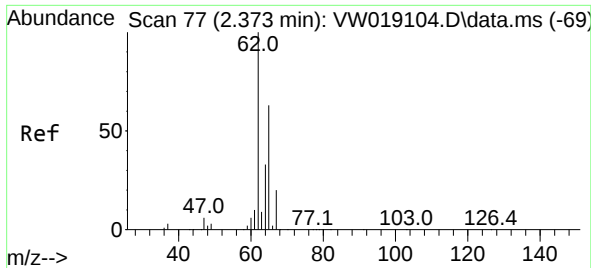
Tgt Ion: 85 Resp: 2732
Ion Ratio Lower Upper
85 100
87 28.0 23.3 34.9



#3
Chloromethane
Concen: 0.410 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion: 50 Resp: 2923
Ion Ratio Lower Upper
50 100
52 38.8 22.5 41.9

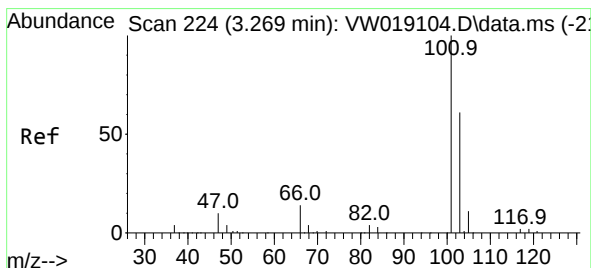
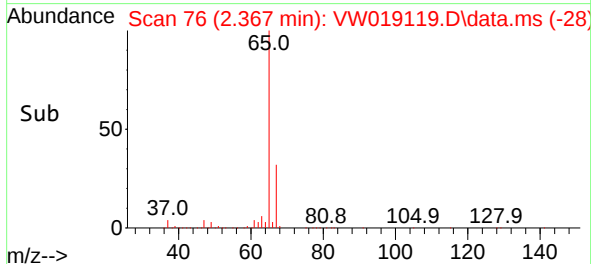
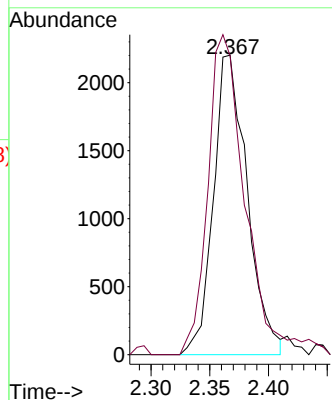
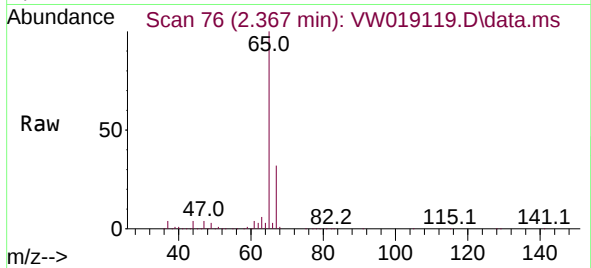




#5
 Vinyl chloride
 Concen: 0.404 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. -0.006 min
 Lab File: VW019119.D
 Acq: 03 Jun 2021 20:10

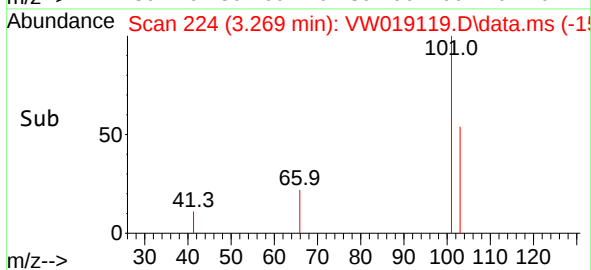
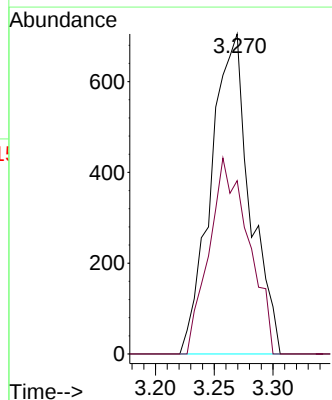
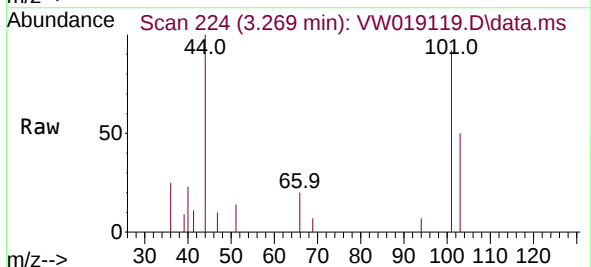
Instrument :
 MSVOA_W
 ClientSampled :
 VIBLK120

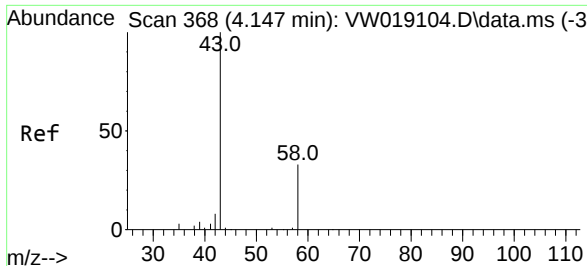
Tgt Ion: 62 Resp: 4404
 Ion Ratio Lower Upper
 62 100
 64 99.7 24.2 45.0#



#9
 Trichlorofluoromethane
 Concen: 0.274 ug/L
 RT: 3.269 min Scan# 224
 Delta R.T. 0.000 min
 Lab File: VW019119.D
 Acq: 03 Jun 2021 20:10

Tgt Ion: 101 Resp: 1635
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.0 76.4

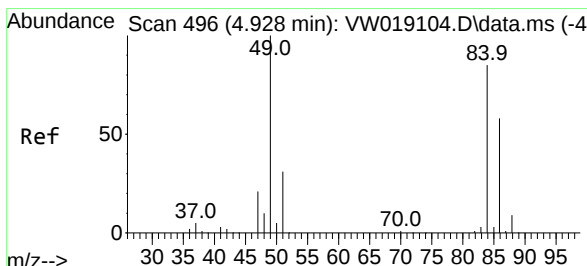
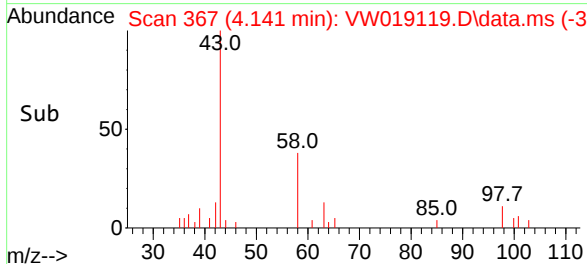
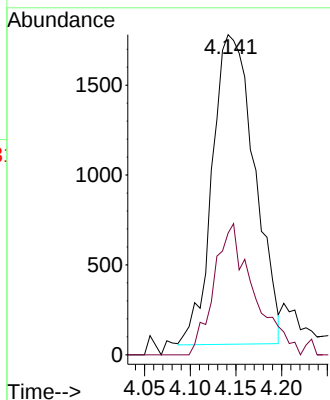
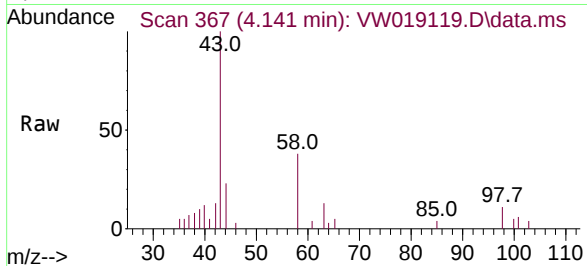




#13
Acetone
Concen: 3.031 ug/L
RT: 4.141 min Scan# 367
Delta R.T. -0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

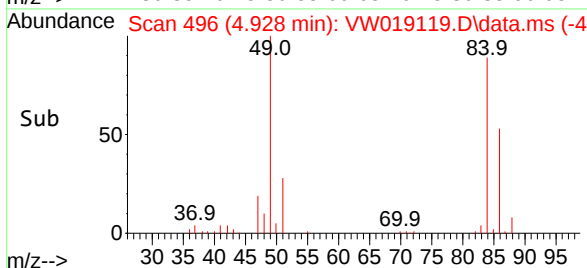
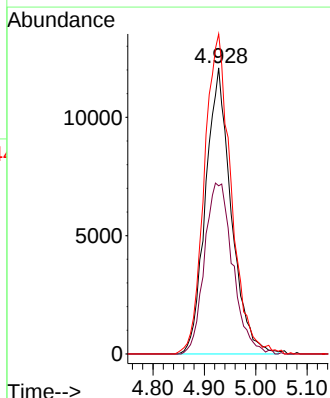
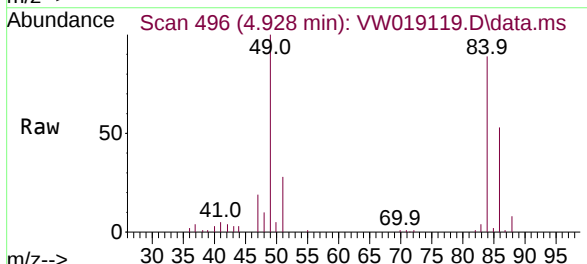
Instrument :
MSVOA_W
ClientSampled :
VIBLK120

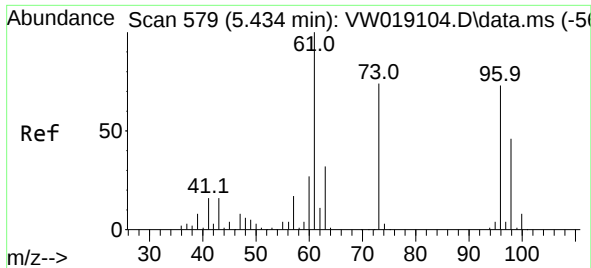
Tgt Ion: 43 Resp: 5539
Ion Ratio Lower Upper
43 100
58 39.7 0.0 53.8



#16
Methylene chloride
Concen: 3.792 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion: 84 Resp: 41902
Ion Ratio Lower Upper
84 100
86 58.8 45.3 84.1
49 111.9 86.6 160.8

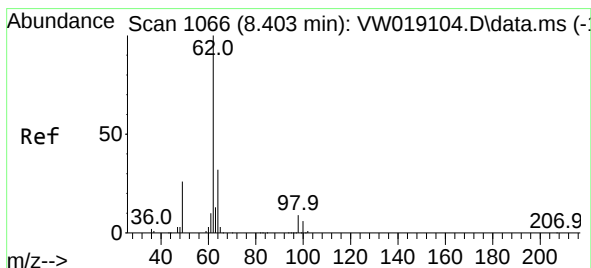
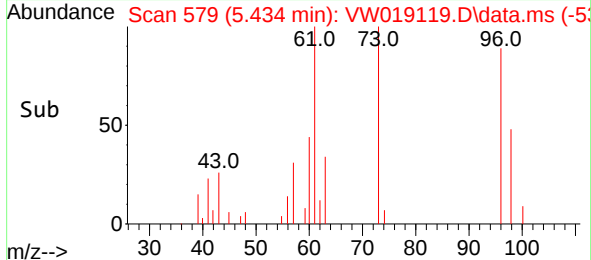
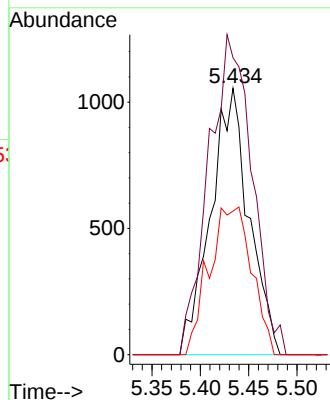
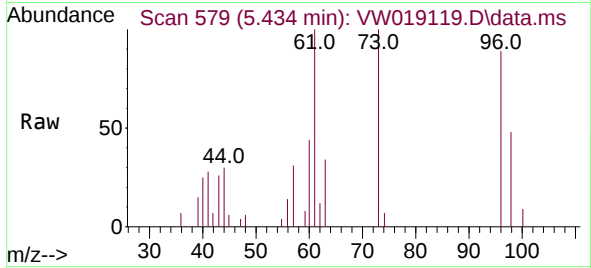




#17
trans-1,2-Dichloroethene
Concen: 0.321 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

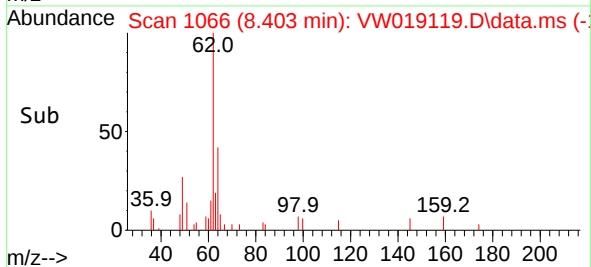
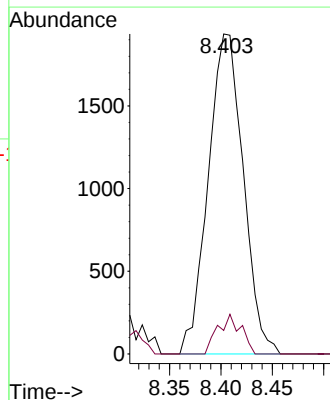
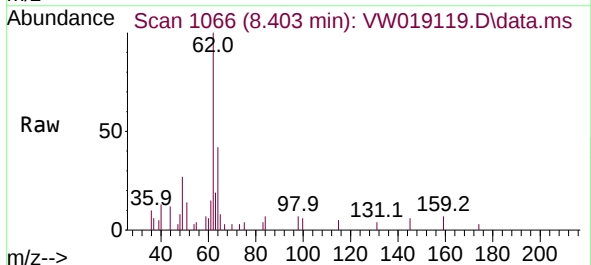
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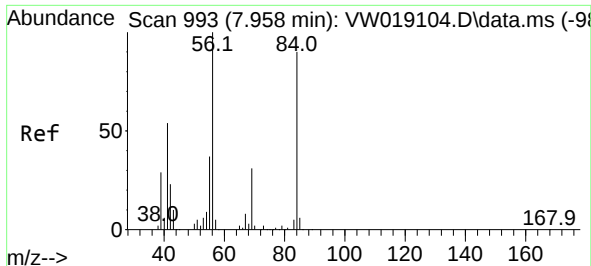
Tgt Ion:	96	Resp:	2917
Ion	Ratio	Lower	Upper
96	100		
61	111.5	98.3	182.7
98	53.8	46.1	85.7



#27
1,2-Dichloroethane
Concen: 0.412 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:	62	Resp:	4597
Ion	Ratio	Lower	Upper
62	100		
98	7.3	6.9	10.3





#29

Cyclohexane

Concen: 0.334 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW019119.D

Acq: 03 Jun 2021 20:10

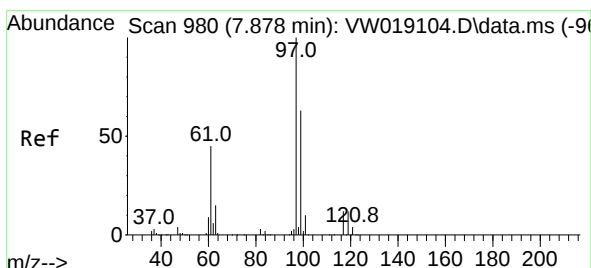
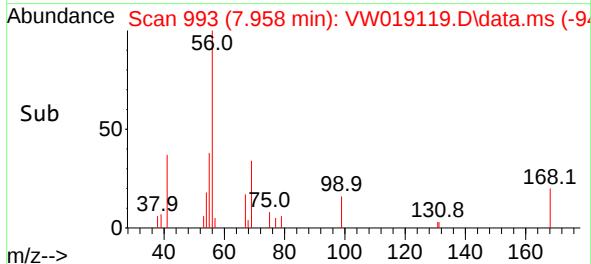
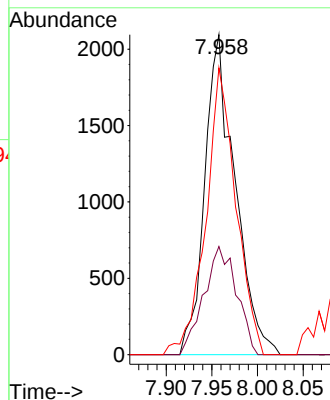
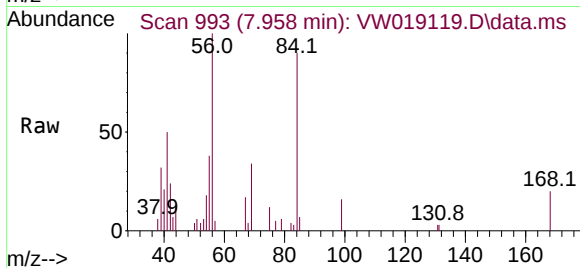
Instrument :

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ClientSampleId :

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Tgt Ion:	56	Resp:	4825
Ion	Ratio	Lower	Upper
56	100		
69	36.6	24.5	36.7
84	87.4	75.0	112.4



#30

1,1,1-Trichloroethane

Concen: 0.310 ug/L

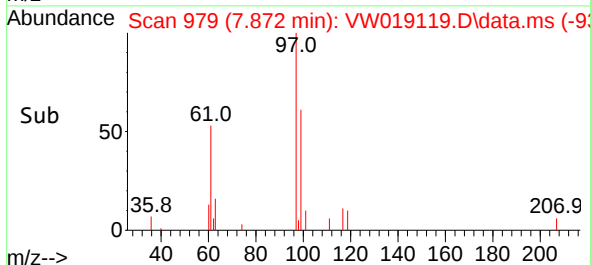
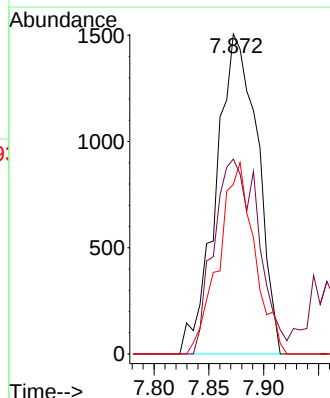
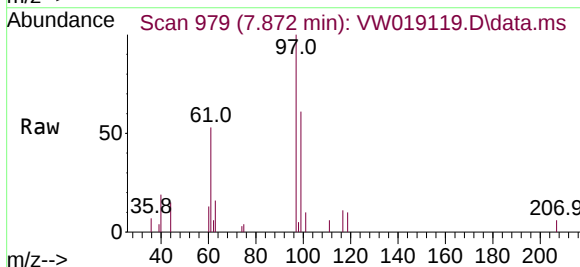
RT: 7.872 min Scan# 979

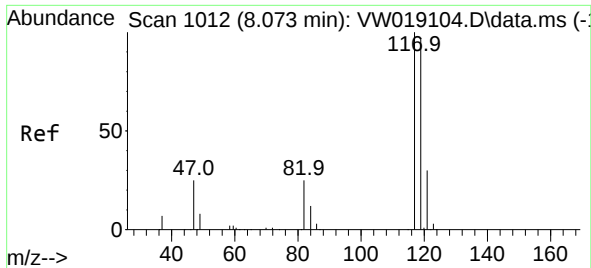
Delta R.T. -0.006 min

Lab File: VW019119.D

Acq: 03 Jun 2021 20:10

Tgt Ion:	97	Resp:	3958
Ion	Ratio	Lower	Upper
97	100		
99	46.9	51.4	77.2#
61	51.9	37.8	56.6

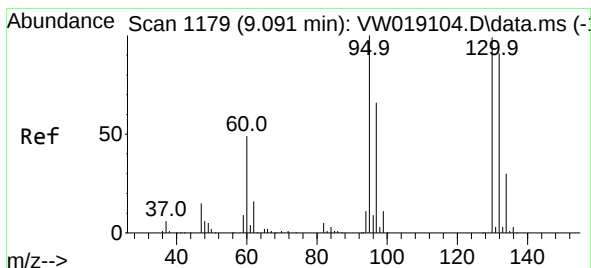
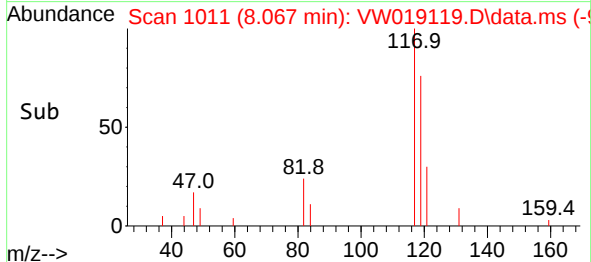
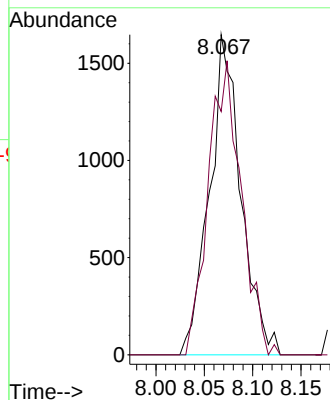
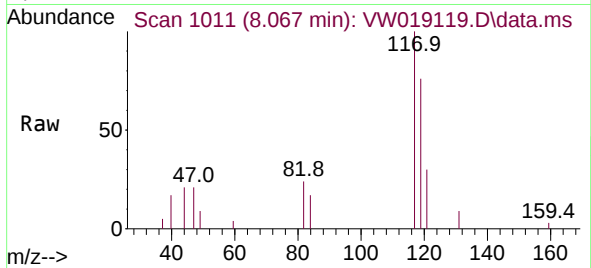




#31
Carbon tetrachloride
Concen: 0.315 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.006 min
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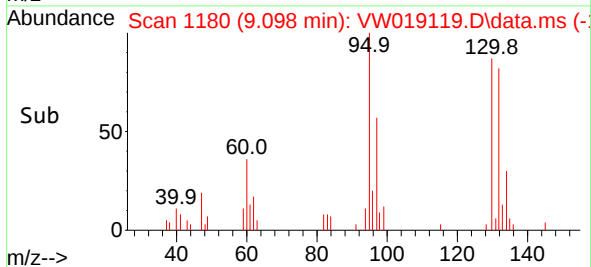
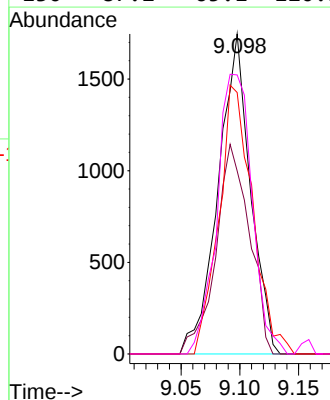
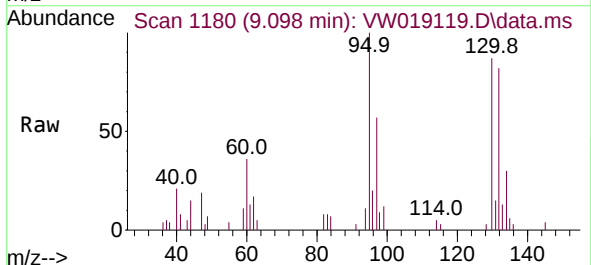
Instrument :
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ClientSampled :
VIBLK120

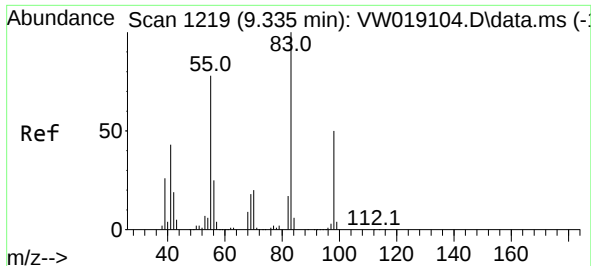
Tgt Ion:117 Resp: 3723
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7



#34
Trichloroethene
Concen: 0.350 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion: 95 Resp: 3337
Ion Ratio Lower Upper
95 100
97 57.2 47.3 87.8
132 81.7 71.0 131.8
130 87.2 65.1 120.9

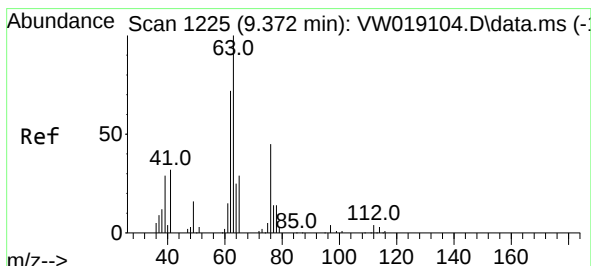
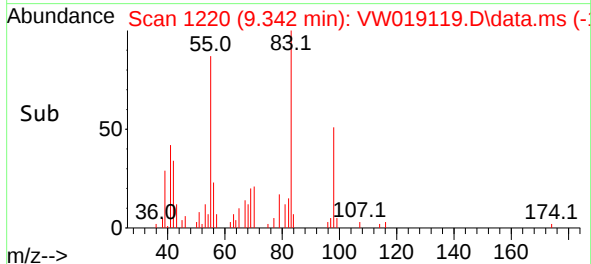
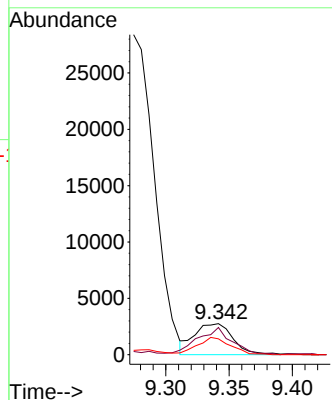
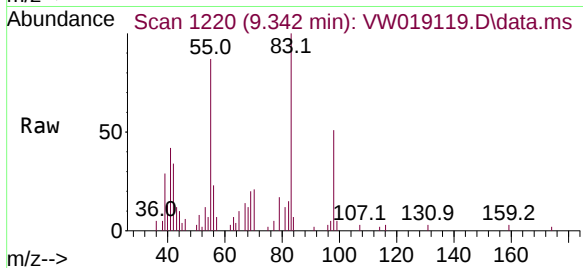




#35
Methylcyclohexane
Concen: 0.357 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

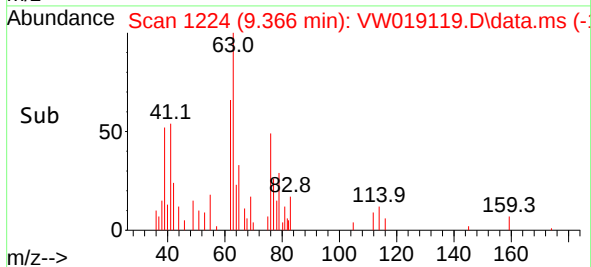
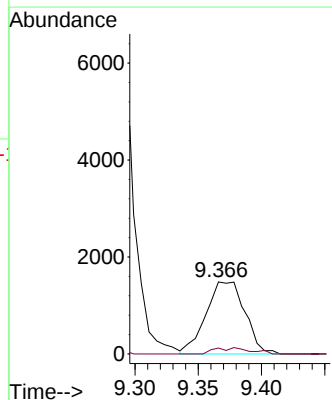
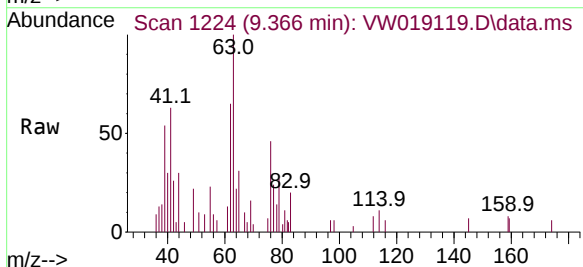
Instrument :
MSVOA_W
ClientSampleId :
VIBLK120

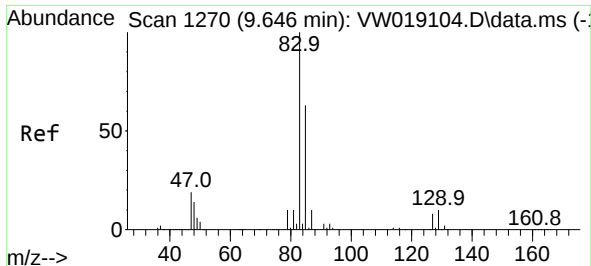
Tgt Ion: 83 Resp: 5860
Ion Ratio Lower Upper
83 100
55 77.3 58.9 88.3
98 43.6 40.1 60.1



#37
1,2-Dichloropropane
Concen: 0.356 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion: 63 Resp: 3194
Ion Ratio Lower Upper
63 100
112 3.2 3.9 5.9#

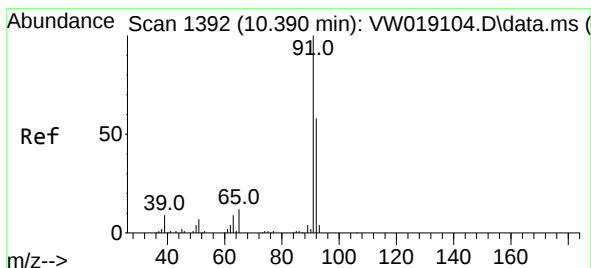
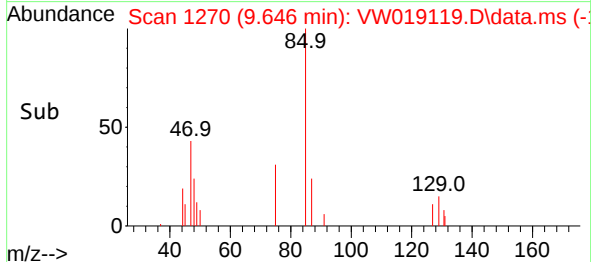
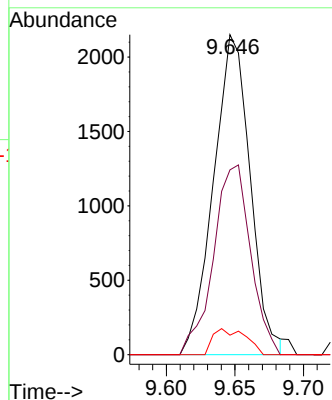
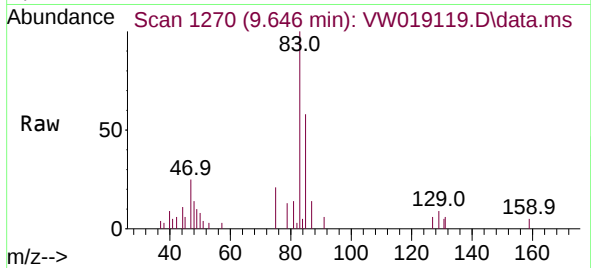




#38
Bromodichloromethane
Concen: 0.343 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

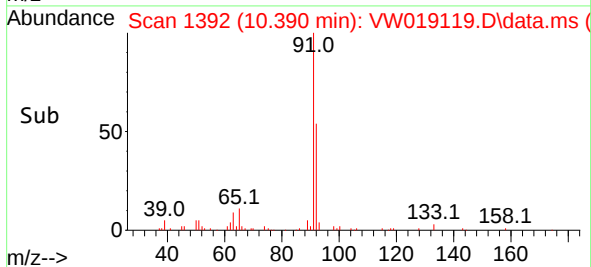
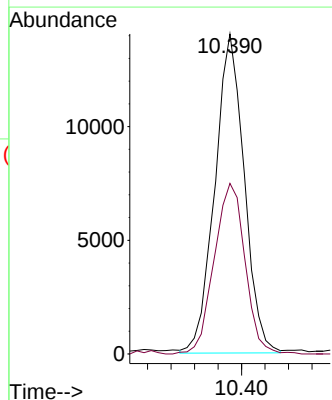
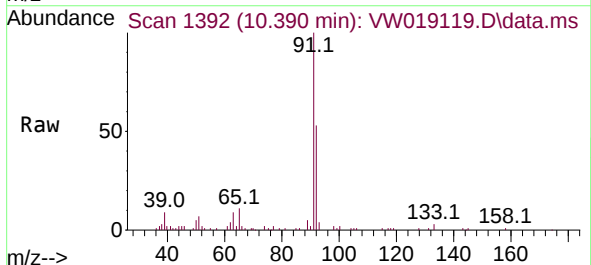
Instrument :
MSVOA_W
ClientSampleId :
VIBLK120

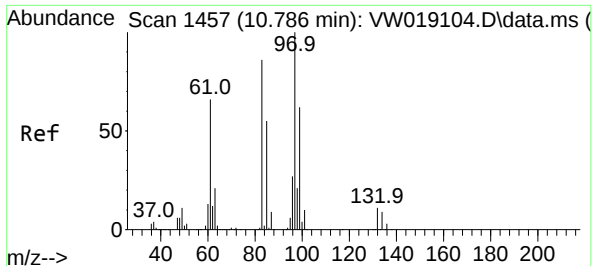
Tgt Ion: 83 Resp: 3995
Ion Ratio Lower Upper
83 100
85 57.7 42.3 78.5
127 6.1 6.6 9.8#



#42
Toluene
Concen: 0.619 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion: 91 Resp: 24345
Ion Ratio Lower Upper
91 100
92 53.3 39.5 73.3

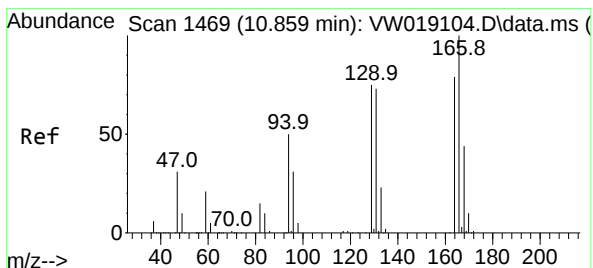
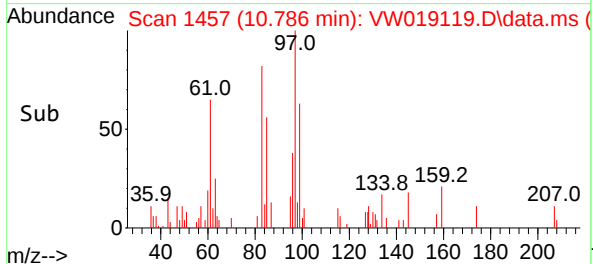
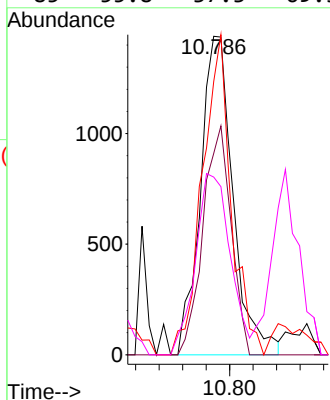
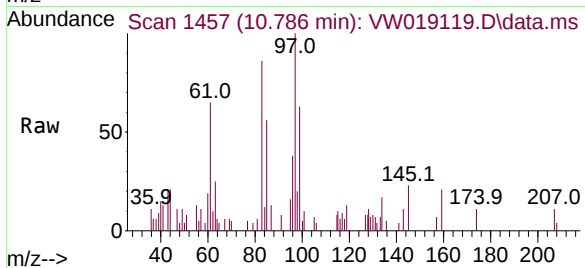




#45
1,1,2-Trichloroethane
Concen: 0.412 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

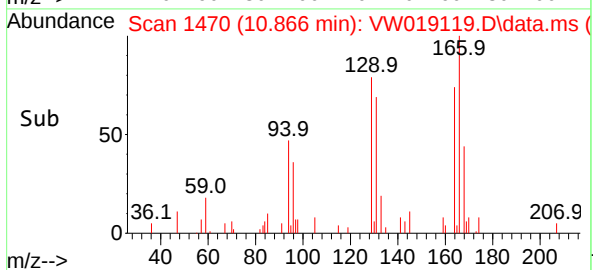
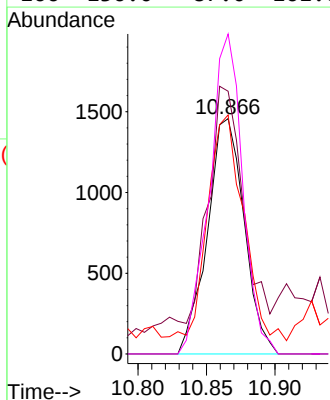
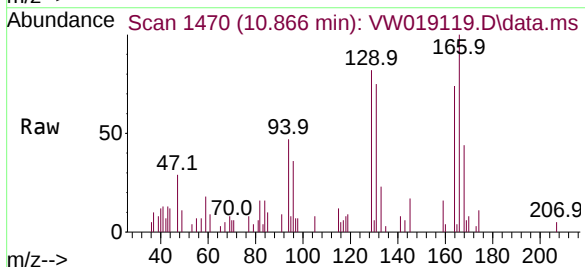
Instrument :
MSVOA_W
ClientSampled :
VIBLK120

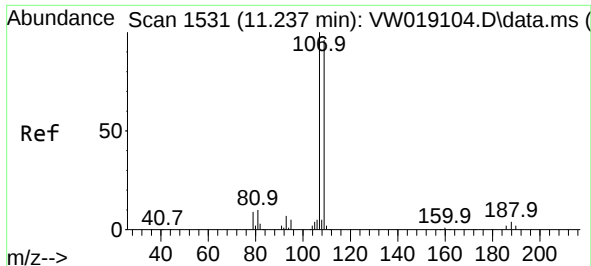
Tgt Ion:	97	Resp:	2783
Ion	Ratio	Lower	Upper
97	100		
99	63.2	45.1	83.7
83	85.8	58.1	107.9
85	55.8	37.3	69.3



#46
Tetrachloroethene
Concen: 0.373 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:	164	Resp:	2718
Ion	Ratio	Lower	Upper
164	100		
129	111.7	66.7	123.9
131	101.6	61.1	113.5
166	136.0	87.0	161.6

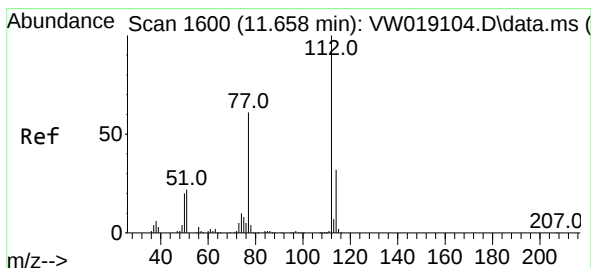
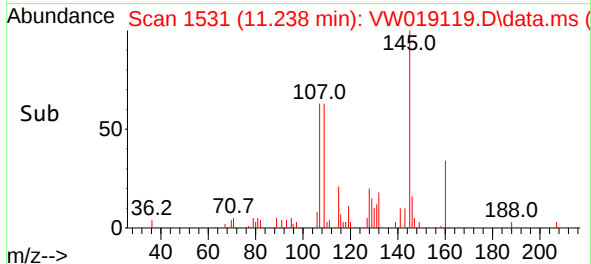
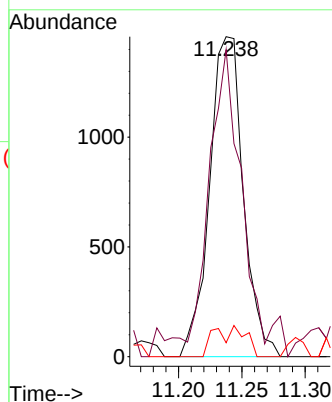
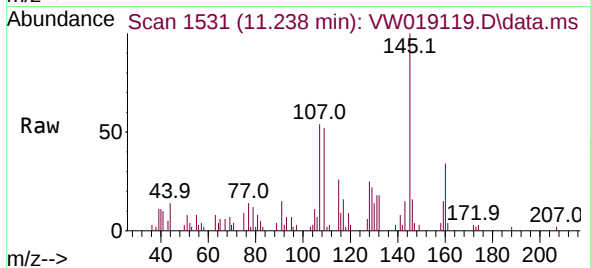




#50
1,2-Dibromoethane
Concen: 0.414 ug/L
RT: 11.238 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

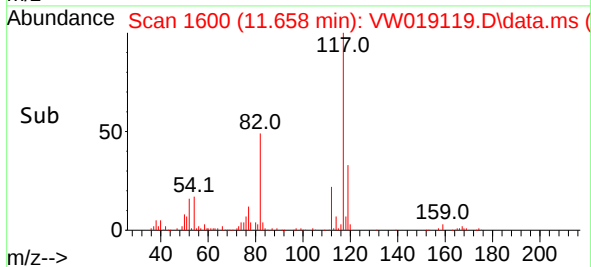
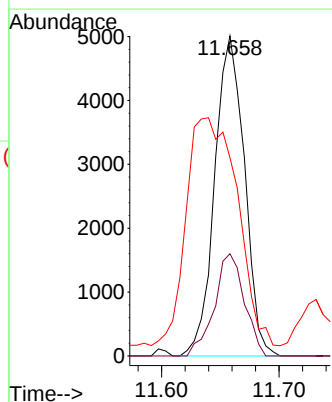
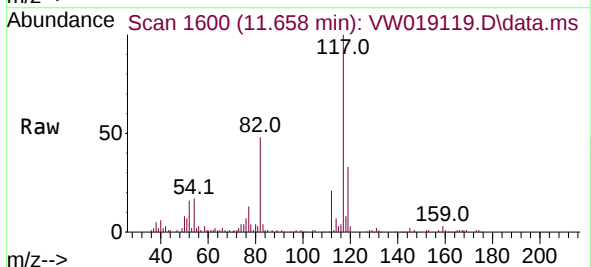
Instrument :
MSVOA_W
ClientSampleId :
VIBLK120

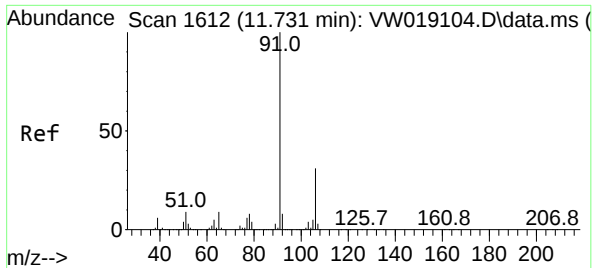
Tgt Ion:107 Resp: 2712
Ion Ratio Lower Upper
107 100
109 96.0 65.4 121.4
188 4.3 2.6 4.0#



#51
Chlorobenzene
Concen: 0.363 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:112 Resp: 8822
Ion Ratio Lower Upper
112 100
114 32.0 23.4 43.6
77 62.0 47.6 71.4

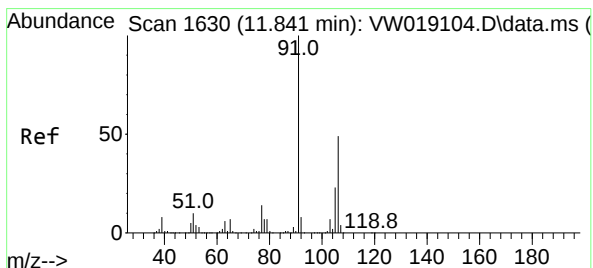
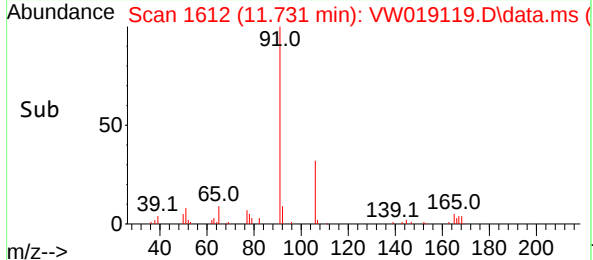
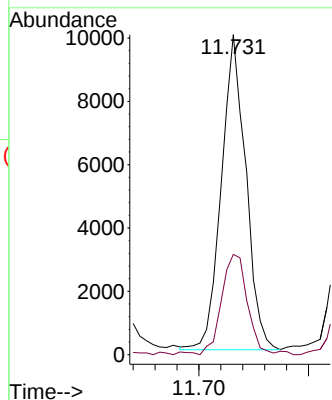
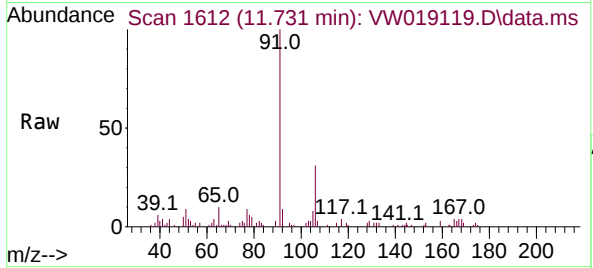




#52
Ethylbenzene
Concen: 0.356 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

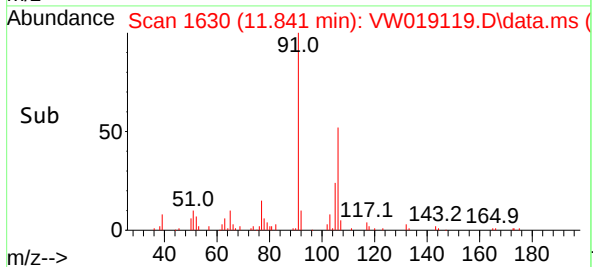
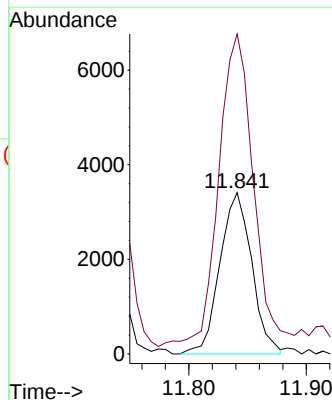
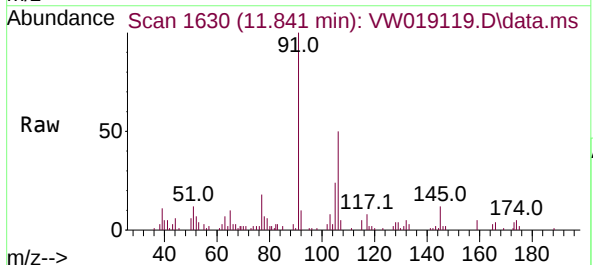
Instrument :
MSVOA_W
ClientSampleId :
VIBLK120

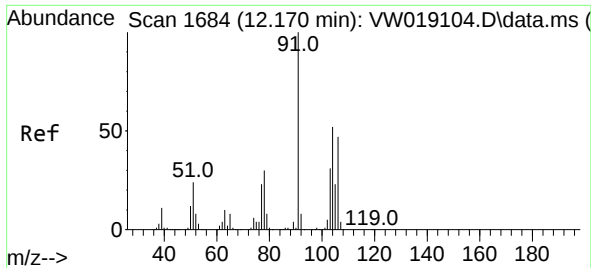
Tgt Ion: 91 Resp: 15418
Ion Ratio Lower Upper
91 100
106 31.3 22.5 41.7



#53
m,p-Xylene
Concen: 0.403 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:106 Resp: 6435
Ion Ratio Lower Upper
106 100
91 198.4 141.3 262.3

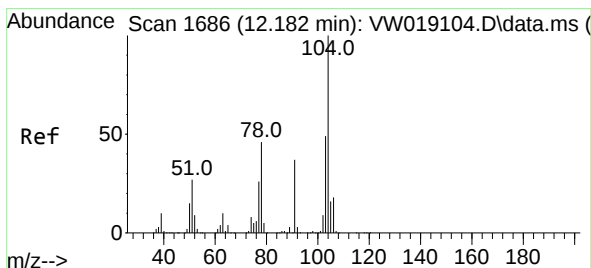
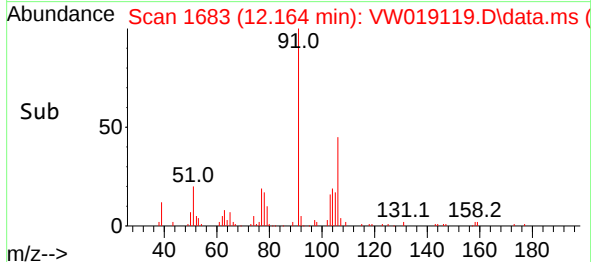
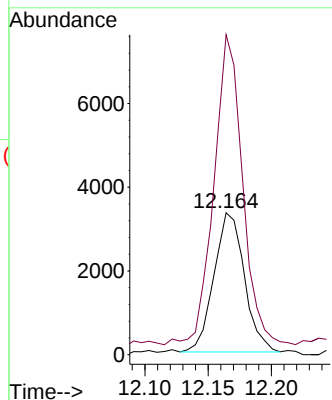
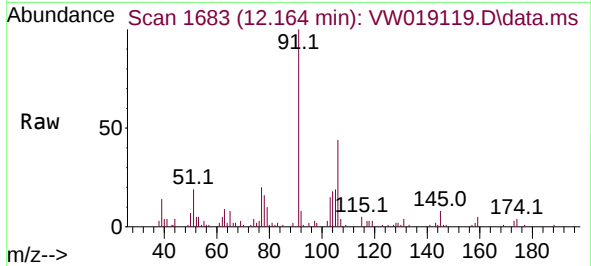




#54
o-Xylene
Concen: 0.366 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

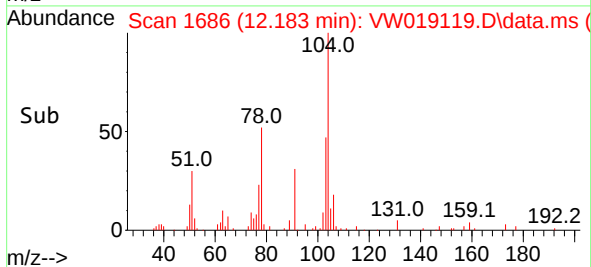
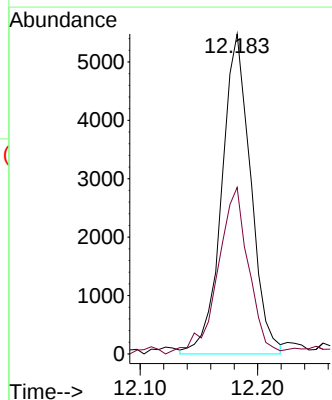
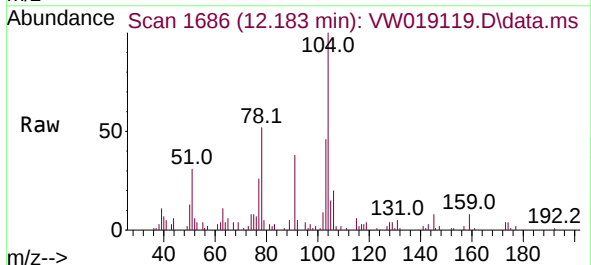
Instrument :
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ClientSampled :
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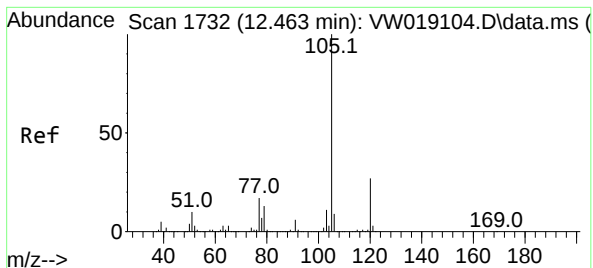
Tgt Ion:106 Resp: 5564
Ion Ratio Lower Upper
106 100
91 225.6 150.0 278.6



#55
Styrene
Concen: 0.358 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:104 Resp: 9367
Ion Ratio Lower Upper
104 100
78 52.0 32.5 60.3

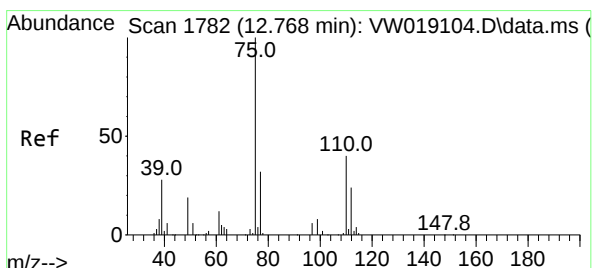
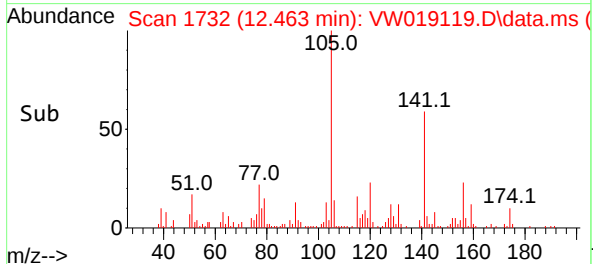
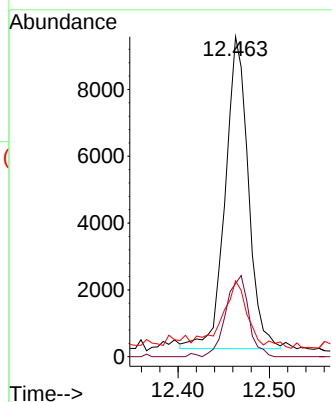
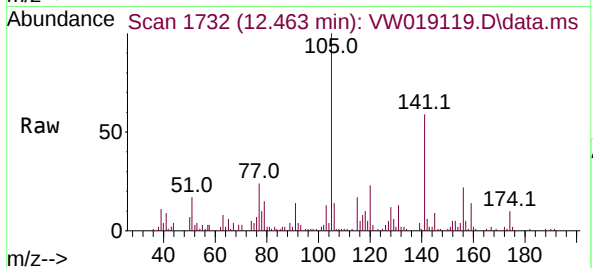




#60
Isopropylbenzene
Concen: 0.396 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

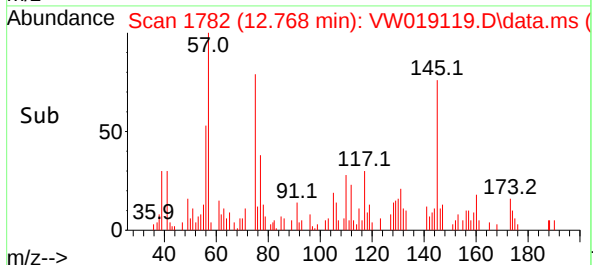
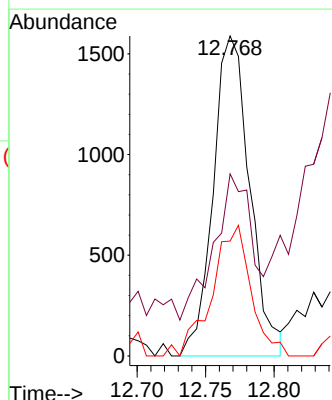
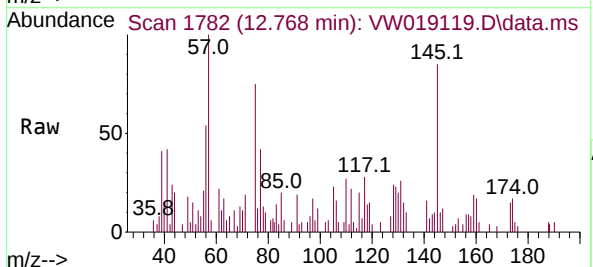
Instrument :
MSVOA_W
ClientSampled :
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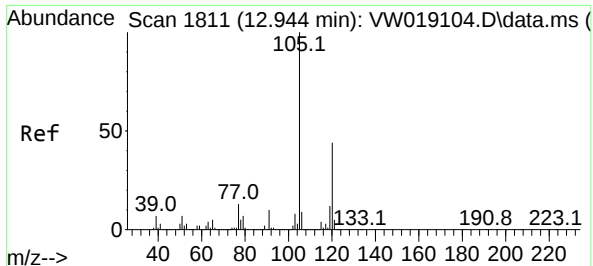
Tgt Ion:105 Resp: 16367
Ion Ratio Lower Upper
105 100
120 25.6 21.1 31.7
77 18.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.478 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion: 75 Resp: 2948
Ion Ratio Lower Upper
75 100
77 47.0 25.3 37.9#
110 43.1 32.6 48.8

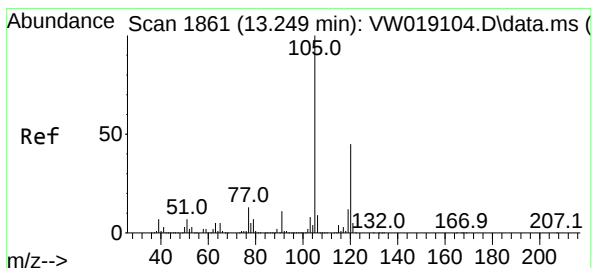
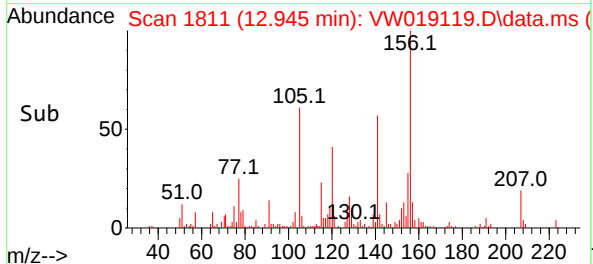
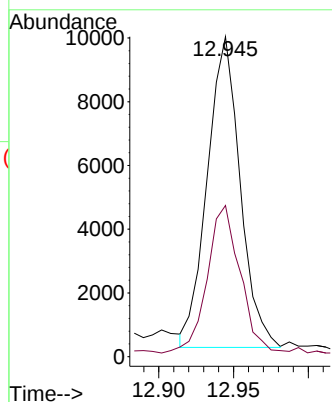
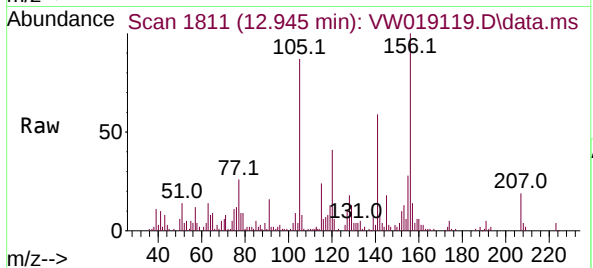




#62
1,3,5-Trimethylbenzene
Concen: 0.439 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

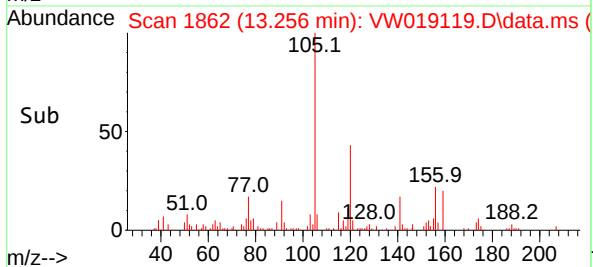
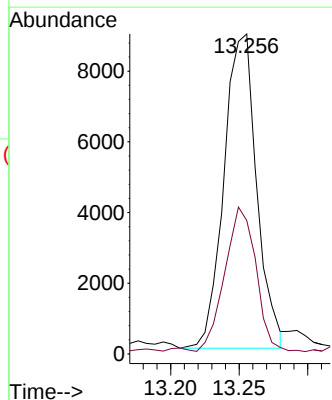
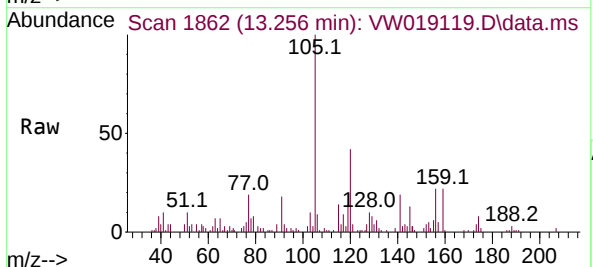
Instrument :
MSVOA_W
ClientSampleId :
VIBLK120

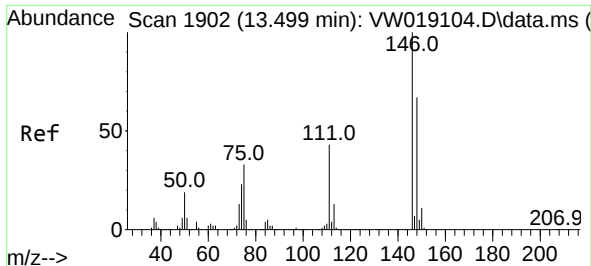
Tgt Ion:105 Resp: 14903
Ion Ratio Lower Upper
105 100
120 50.1 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 0.437 ug/L
RT: 13.256 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:105 Resp: 14786
Ion Ratio Lower Upper
105 100
120 43.8 35.6 53.4

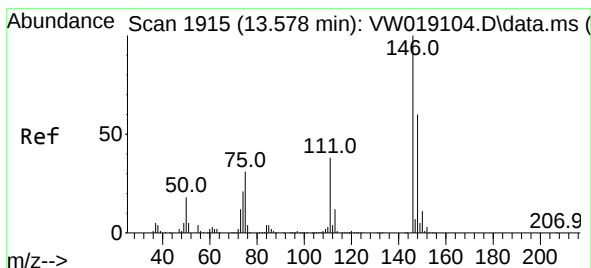
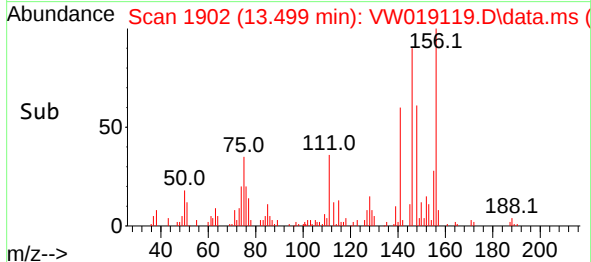
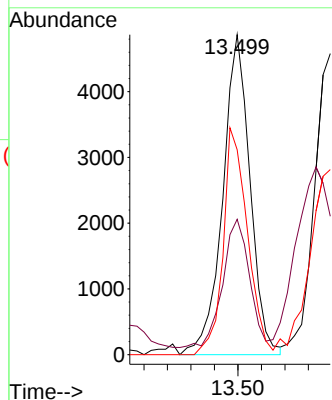
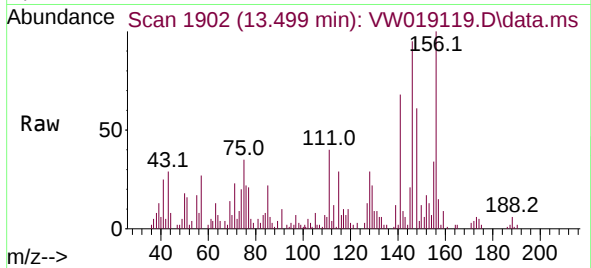




#64
1,3-Dichlorobenzene
Concen: 0.436 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

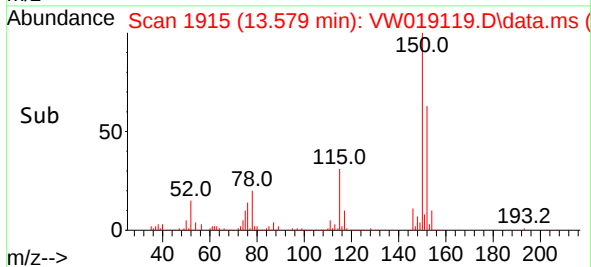
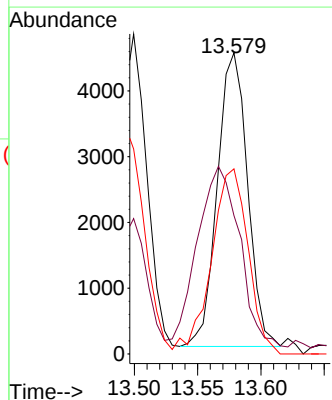
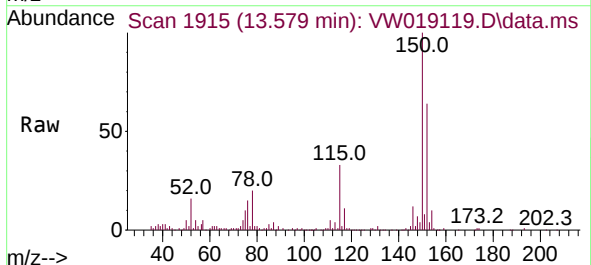
Instrument :
MSVOA_W
ClientSampled :
VIBLK120

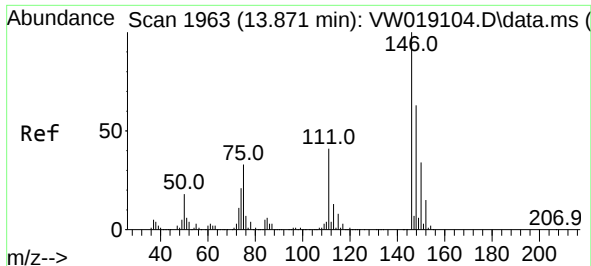
Tgt Ion:146 Resp: 7855
Ion Ratio Lower Upper
146 100
111 42.3 26.7 49.7
148 64.0 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 0.402 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW019119.D
Acq: 03 Jun 2021 20:10

Tgt Ion:146 Resp: 7414
Ion Ratio Lower Upper
146 100
111 46.0 28.8 53.4
148 61.5 46.8 87.0





#67

1,2-Dichlorobenzene

Concen: 0.440 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW019119.D

Acq: 03 Jun 2021 20:10

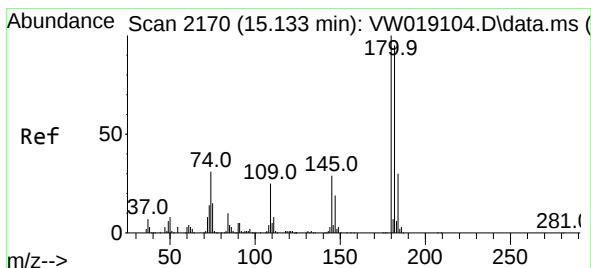
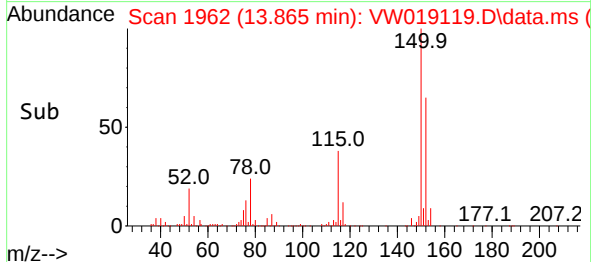
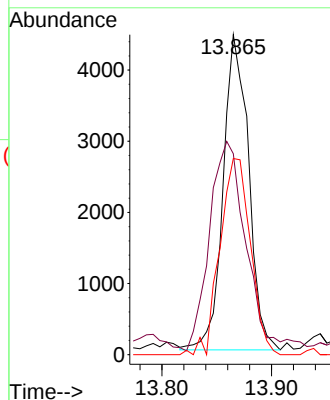
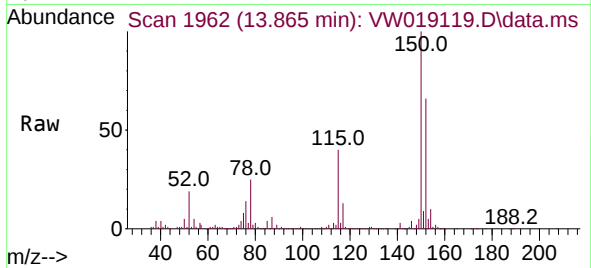
Instrument :

MSVOA_W

ClientSampled :

VIBLK120

Tgt Ion:	146	Resp:	7147
Ion Ratio	Lower	Upper	
146	100		
111	62.8	33.2	49.8#
148	61.3	50.4	75.6



#70

1,2,4-trichlorobenzene

Concen: 0.491 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VW019119.D

Acq: 03 Jun 2021 20:10

Tgt Ion:	180	Resp:	5255
Ion Ratio	Lower	Upper	
180	100		
182	93.1	74.7	112.1
145	30.9	25.0	37.4

