

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
 Data File : VW019422.D
 Acq On : 12 Jul 2021 10:47
 Operator : SY/VA
 Sample : M2959-06
 Misc : 5.74G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 02:21:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 13 02:19:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	71318	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	38407	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	4991	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	64718	64.046	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 256.200%#	
7) Chloroethane-d5	2.898	69	55526	77.057	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 308.240%#	
11) 1,1-Dichloroethene-d2	4.019	63	100228	51.406	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 205.640%#	
21) 2-Butanone-d5	7.092	46	44165	150.587	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 301.180%#	
24) Chloroform-d	7.647	84	143711	72.928	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 291.720%#	
26) 1,2-Dichloroethane-d4	8.305	65	81293	75.174	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 300.680%#	
32) Benzene-d6	8.281	84	281548	123.149	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 492.600%#	
36) 1,2-Dichloropropane-d6	9.274	67	89076	125.006	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 500.040%#	
41) Toluene-d8	10.323	98	206359	100.113	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 400.440%#	
43) trans-1,3-Dichloroprop...	10.579	79	30058	98.499	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 394.000%#	
47) 2-Hexanone-d5	10.927	63	29772	225.204	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 450.400%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	60121	104.416	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 417.680%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	22443	127.448	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 509.800%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	361	0.301	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	4.025	101	901	0.966	ug/L #	20
12) 1,1-Dichloroethene	4.019	96	740	0.795	ug/L #	1
13) Acetone	4.147	43	37699	174.446	ug/L	88
14) Carbon disulfide	4.397	76	3902	1.309	ug/L	97
15) Methyl Acetate	4.696	43	879	1.827	ug/L #	54
16) Methylene chloride	4.928	84	34600	24.336	ug/L	95
18) Methyl tert-butyl Ether	5.434	73	3798	2.715	ug/L #	94
27) 1,2-Dichloroethane	8.409	62	797	0.644	ug/L #	76
29) Cyclohexane	7.964	56	755	0.767	ug/L	85
33) Benzene	8.323	78	7875	3.276	ug/L	100
37) 1,2-Dichloropropane	9.281	63	9467	15.540	ug/L #	85
39) cis-1,3-Dichloropropene	10.036	75	1993	2.139	ug/L #	35
42) Toluene	10.390	91	2160	0.862	ug/L	93
44) trans-1,3-Dichloropropene	10.579	75	1335	1.629	ug/L #	61
46) Tetrachloroethene	10.860	164	523	1.118	ug/L #	73
49) Dibromochloromethane	10.860	129	642	1.317	ug/L #	13
60) Isopropylbenzene	12.945	105	341	0.508	ug/L	92
62) 1,3,5-Trimethylbenzene	12.945	105	341	0.607	ug/L #	74

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

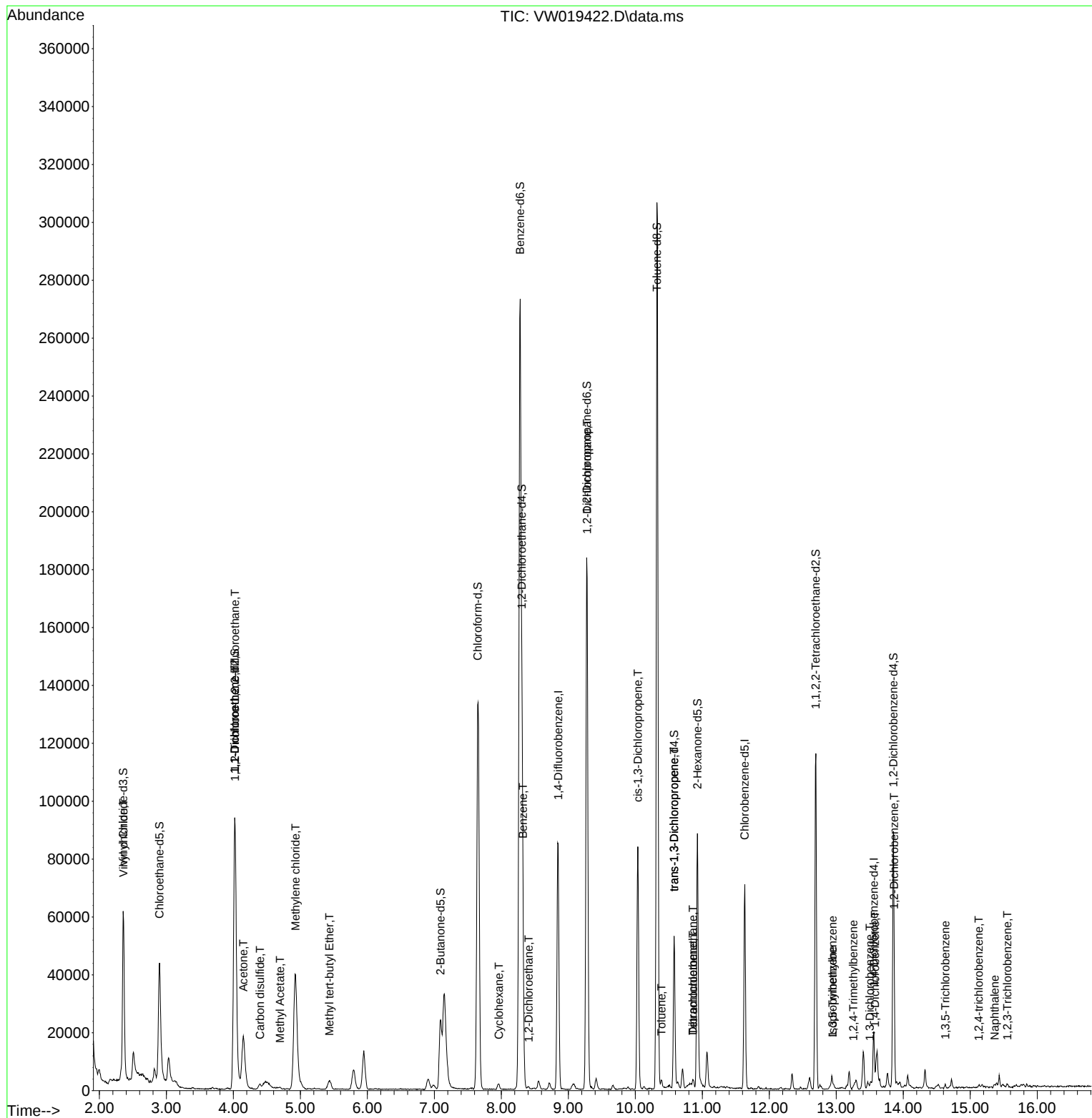
63) 1,2,4-Trimethylbenzene	13.255	105	778	1.375	ug/L #	79
64) 1,3-Dichlorobenzene	13.499	146	177	0.577	ug/L	86
65) 1,4-Dichlorobenzene	13.579	146	237	0.781	ug/L #	54
67) 1,2-Dichlorobenzene	13.865	146	266	0.962	ug/L #	37
69) 1,3,5-Trichlorobenzene	14.627	180	340	1.516	ug/L #	88
70) 1,2,4-trichlorobenzene	15.127	180	409	2.181	ug/L #	89
71) Naphthalene	15.365	128	1059	2.796	ug/L #	86
72) 1,2,3-Trichlorobenzene	15.554	180	338	2.013	ug/L #	94

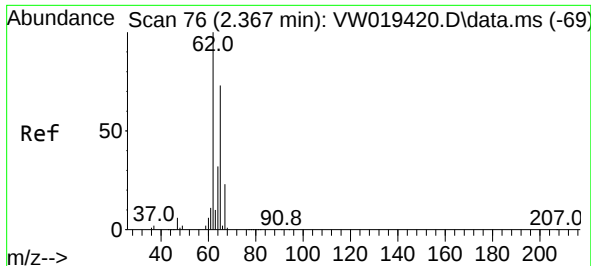
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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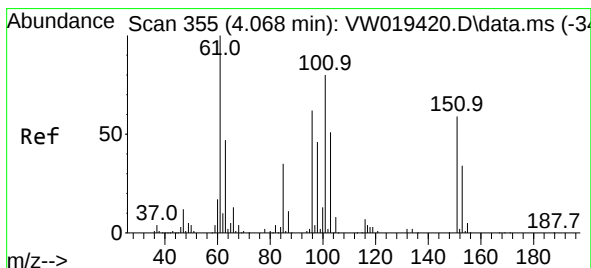
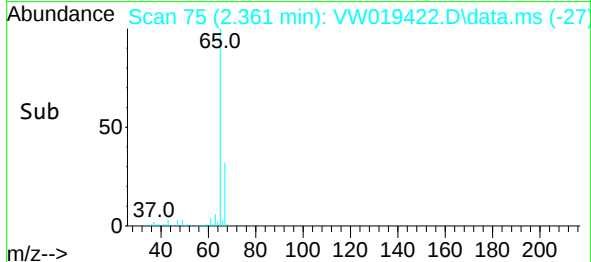
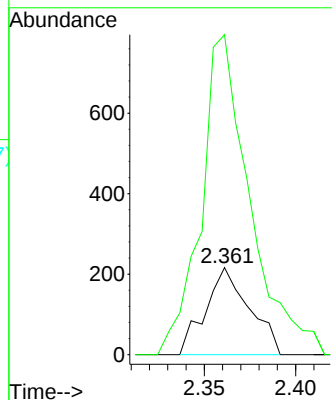
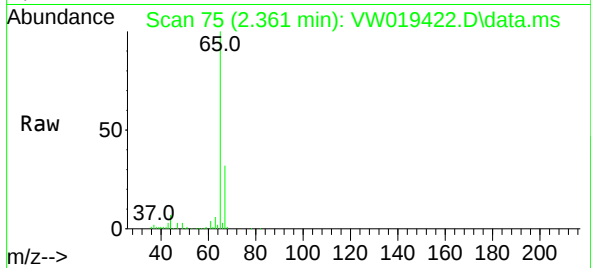




#5
 Vinyl chloride
 Concen: 0.301 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW019422.D
 Acq: 12 Jul 2021 10:47

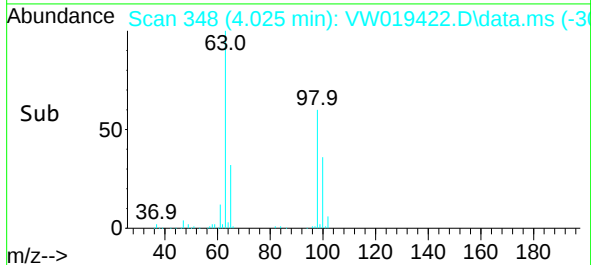
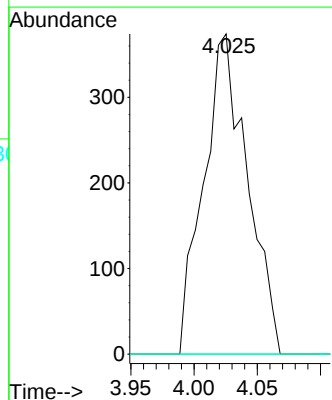
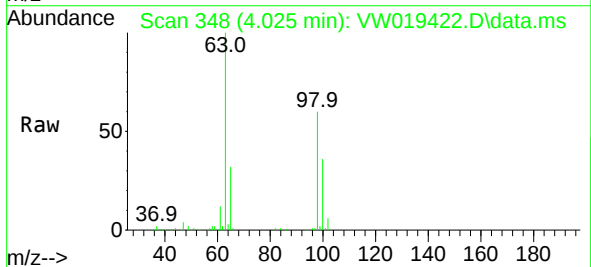
Instrument :
 MSVOA_W
 ClientSampled :

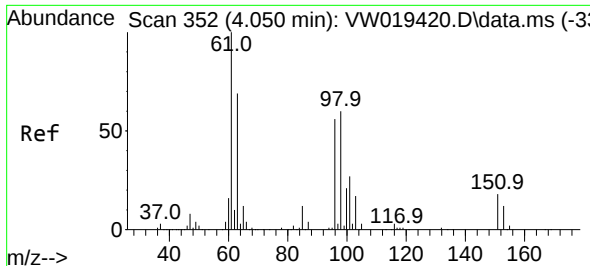
Tgt Ion: 62 Resp: 361
 Ion Ratio Lower Upper
 62 100
 64 368.1 24.2 45.0#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.966 ug/L
 RT: 4.025 min Scan# 348
 Delta R.T. -0.043 min
 Lab File: VW019422.D
 Acq: 12 Jul 2021 10:47

Tgt Ion: 101 Resp: 901
 Ion Ratio Lower Upper
 101 100
 85 0.0 38.2 57.2#
 151 0.0 56.6 85.0#

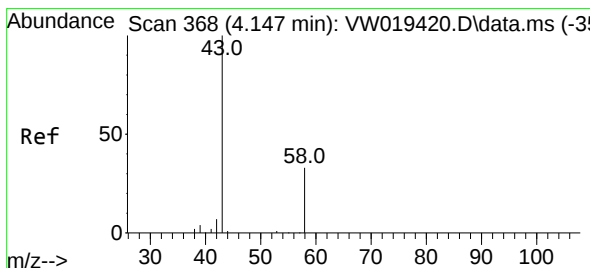
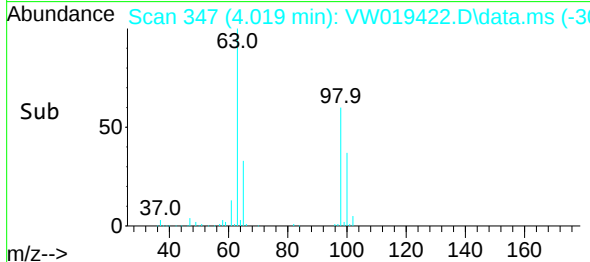
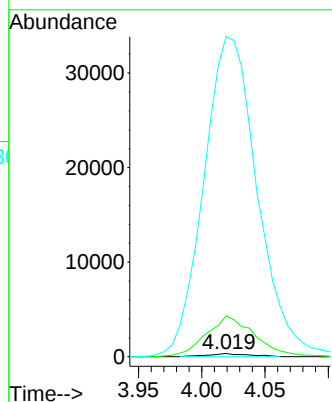
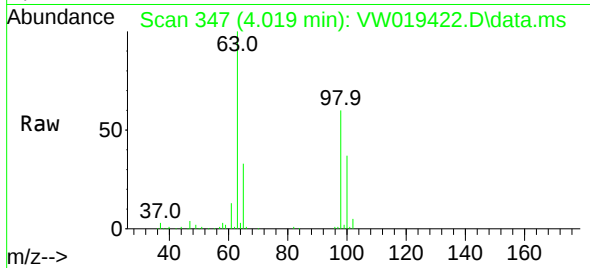




#12
1,1-Dichloroethene
Concen: 0.795 ug/L
RT: 4.019 min Scan# 347
Delta R.T. -0.030 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

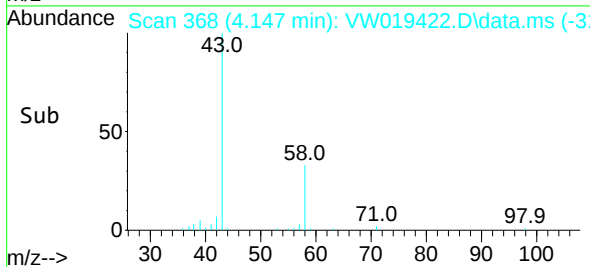
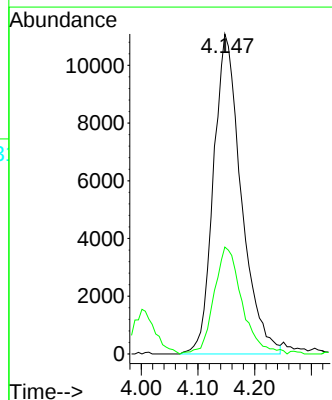
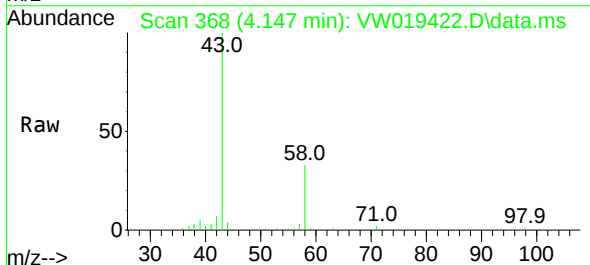
Instrument :
MSVOA_W
ClientSampleId :

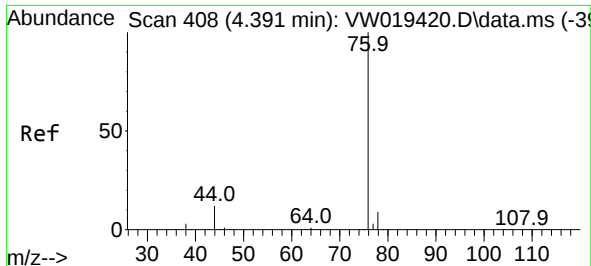
Tgt Ion: 96 Resp: 740
Ion Ratio Lower Upper
96 100
61 1275.2 118.1 219.3#
63 9984.7 83.7 155.5#



#13
Acetone
Concen: 174.446 ug/L
RT: 4.147 min Scan# 368
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

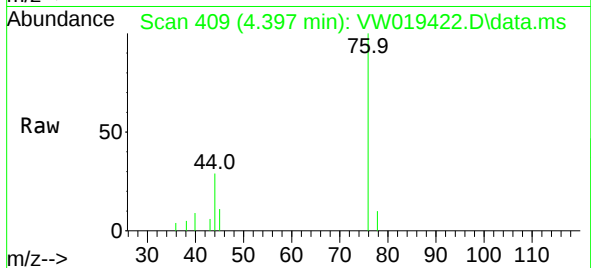
Tgt Ion: 43 Resp: 37699
Ion Ratio Lower Upper
43 100
58 33.3 0.0 53.8



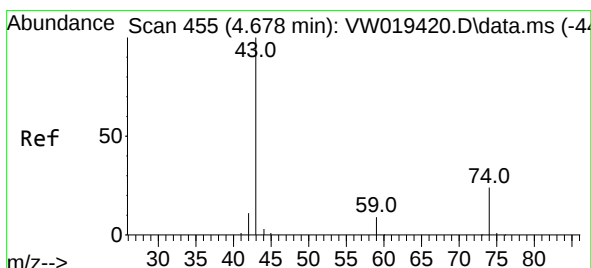
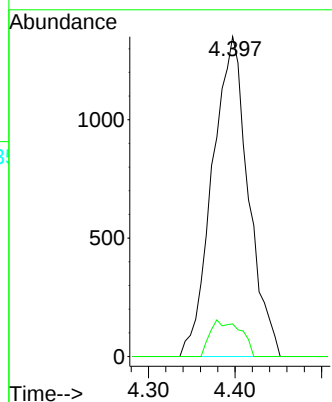
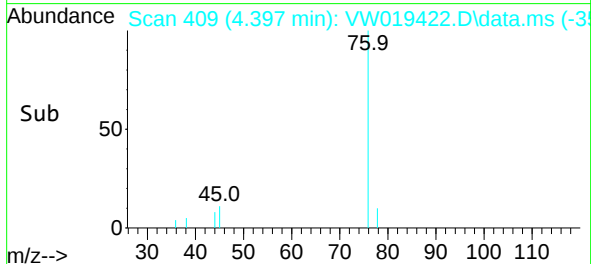


#14
Carbon disulfide
Concen: 1.309 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

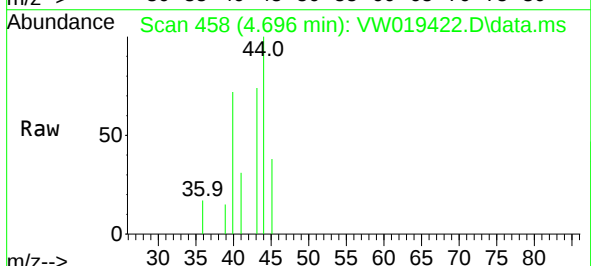
Instrument :
MSVOA_W
ClientSampled :



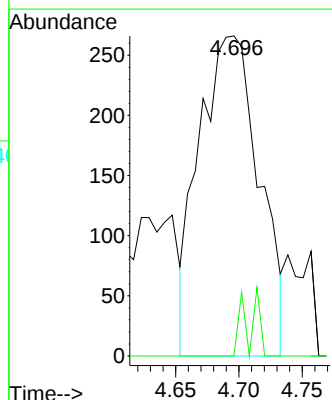
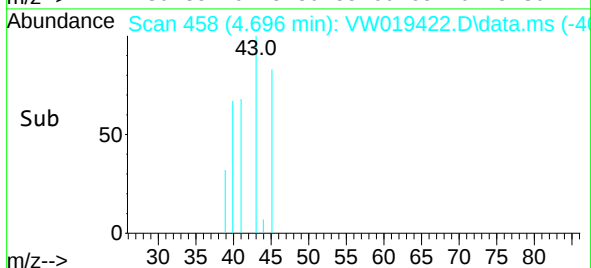
Tgt Ion: 76 Resp: 3902
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0

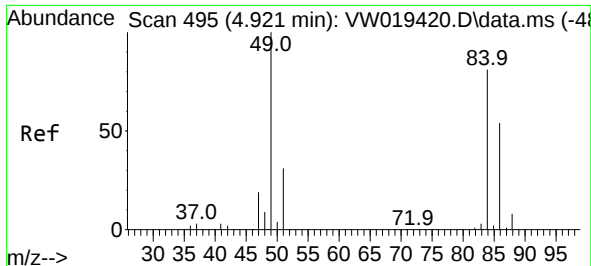


#15
Methyl Acetate
Concen: 1.827 ug/L
RT: 4.696 min Scan# 458
Delta R.T. 0.018 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47



Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
74 2.2 20.0 30.0#

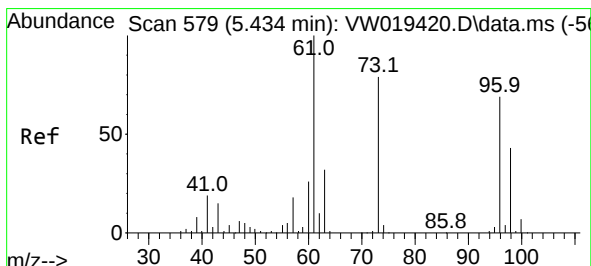
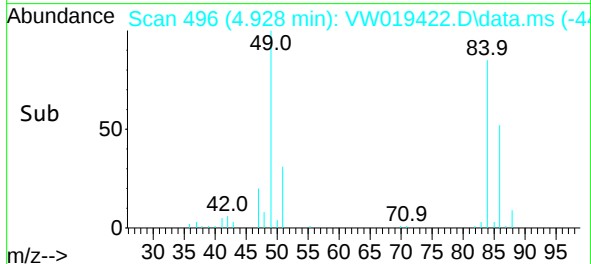
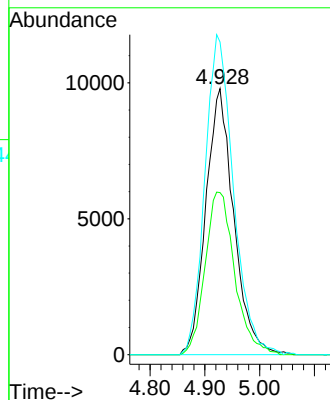
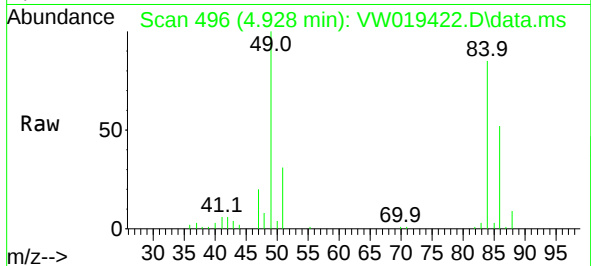




#16
Methylene chloride
Concen: 24.336 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

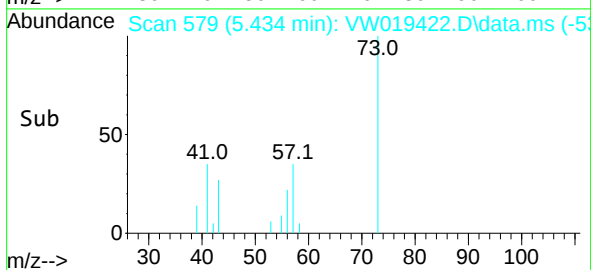
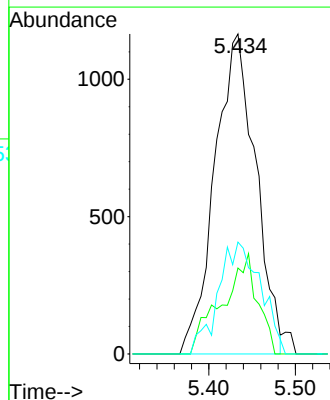
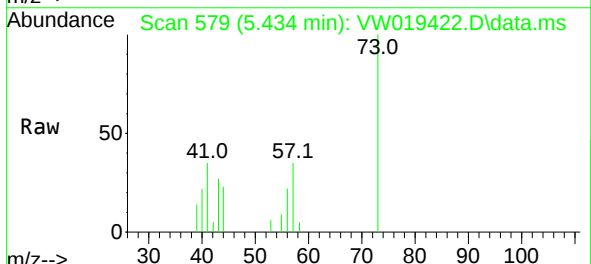
Instrument :
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ClientSampleId :

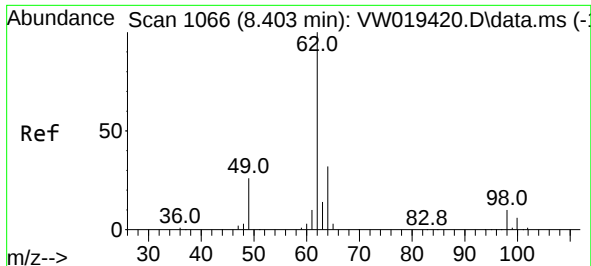
Tgt Ion: 84 Resp: 34600
Ion Ratio Lower Upper
84 100
86 60.9 45.3 84.1
49 117.5 86.6 160.8



#18
Methyl tert-butyl Ether
Concen: 2.715 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

Tgt Ion: 73 Resp: 3798
Ion Ratio Lower Upper
73 100
43 17.6 17.7 26.5#
57 19.9 17.0 25.4

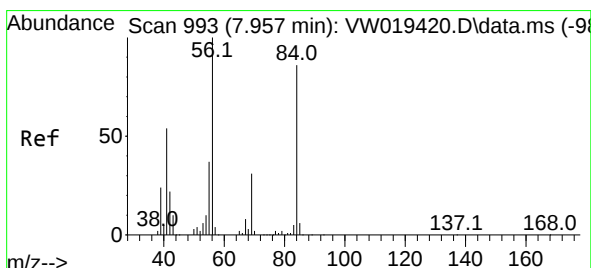
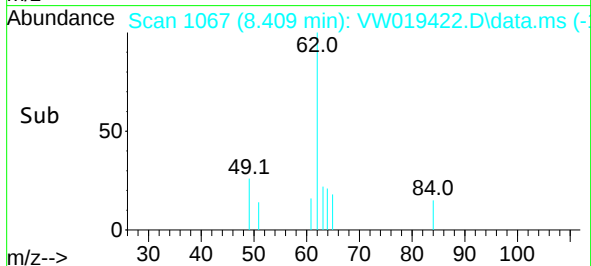
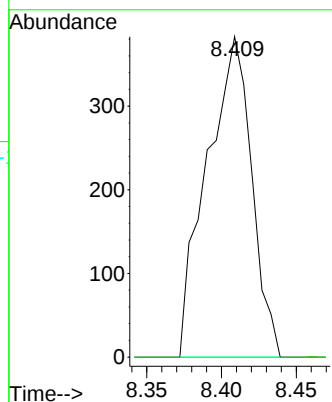
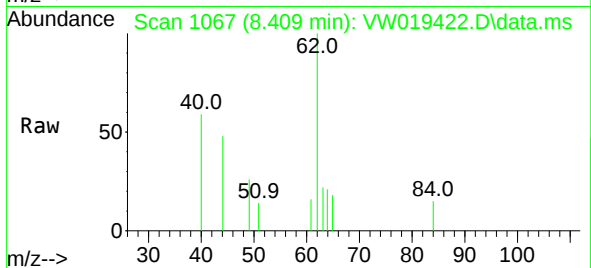




#27
1,2-Dichloroethane
Concen: 0.644 ug/L
RT: 8.409 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

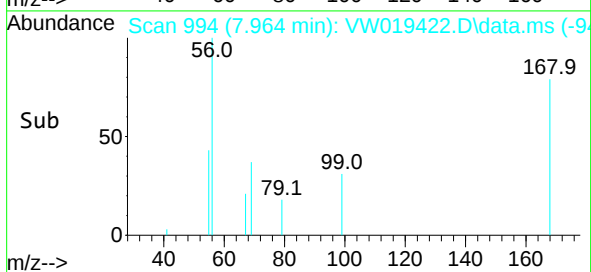
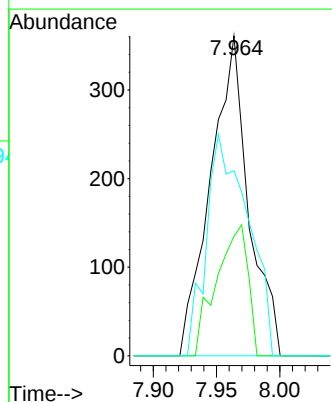
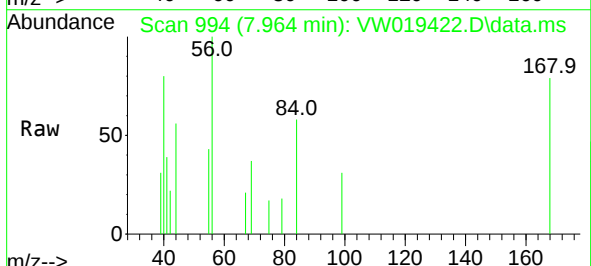
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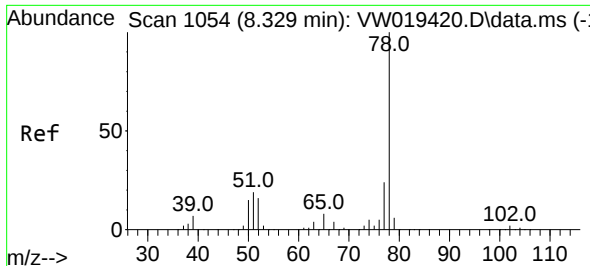
Tgt Ion: 62 Resp: 797
Ion Ratio Lower Upper
62 100
98 0.0 6.9 10.3#



#29
Cyclohexane
Concen: 0.767 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

Tgt Ion: 56 Resp: 755
Ion Ratio Lower Upper
56 100
69 33.9 24.5 36.7
84 75.9 75.0 112.4

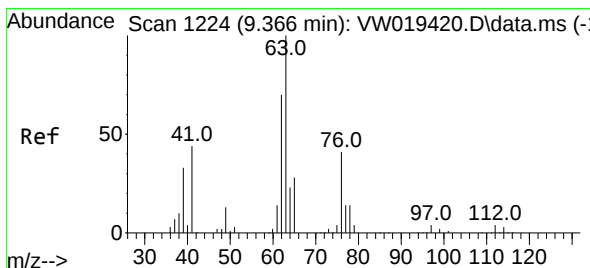
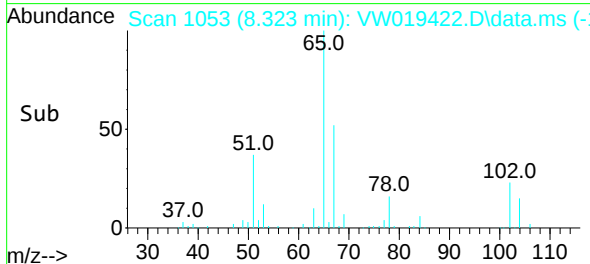
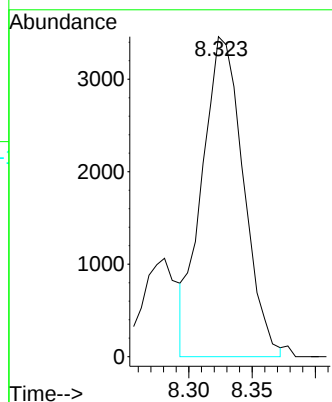
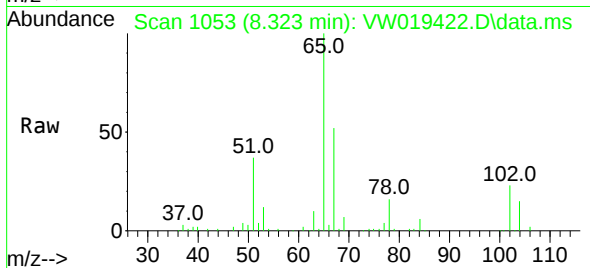




#33
Benzene
Concen: 3.276 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VW019422.D
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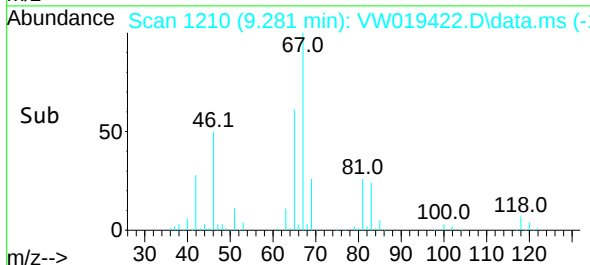
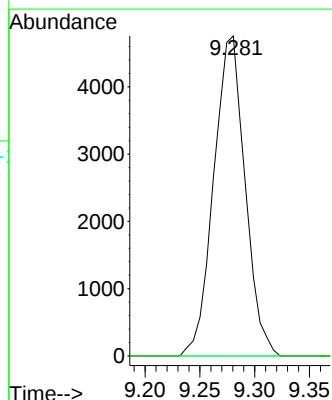
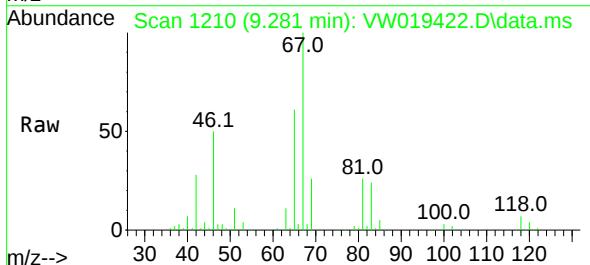
Instrument :
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ClientSampled :

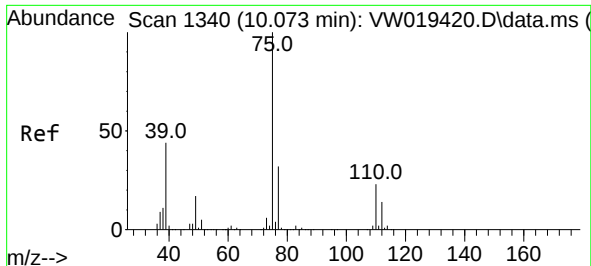
Tgt Ion: 78 Resp: 7875



#37
1,2-Dichloropropane
Concen: 15.540 ug/L
RT: 9.281 min Scan# 1210
Delta R.T. -0.085 min
Lab File: VW019422.D
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Tgt Ion: 63 Resp: 9467
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#

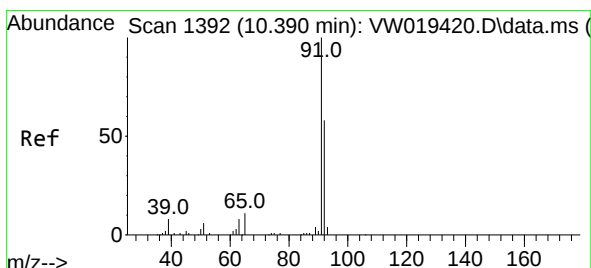
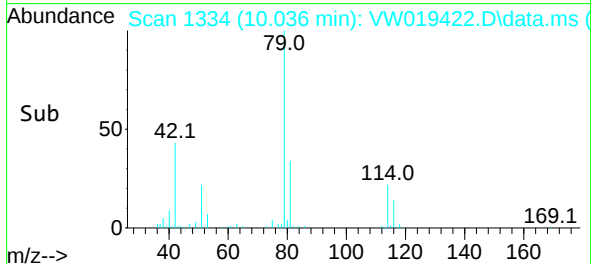
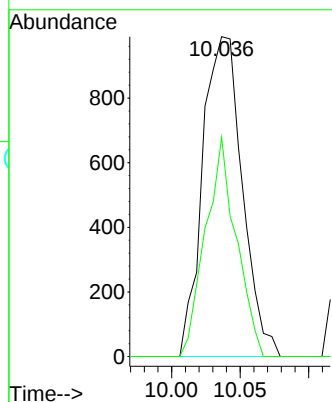
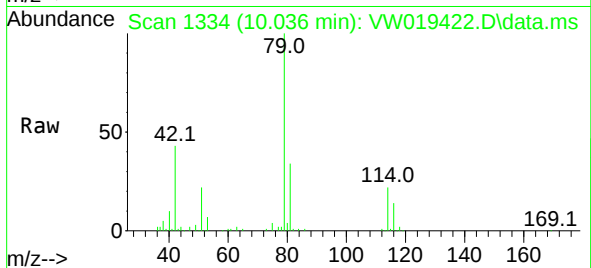




#39
cis-1,3-Dichloropropene
Concen: 2.139 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

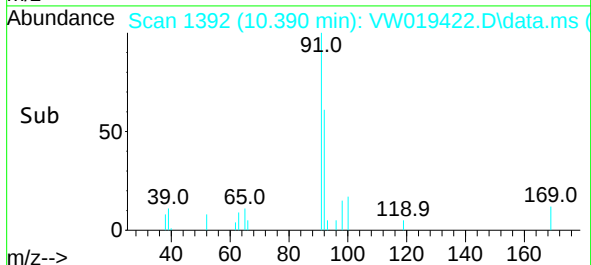
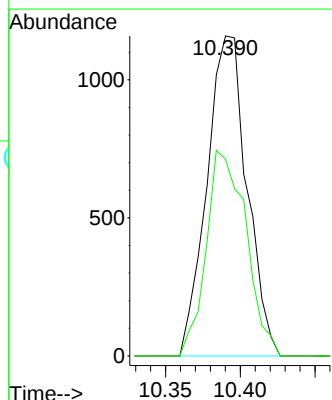
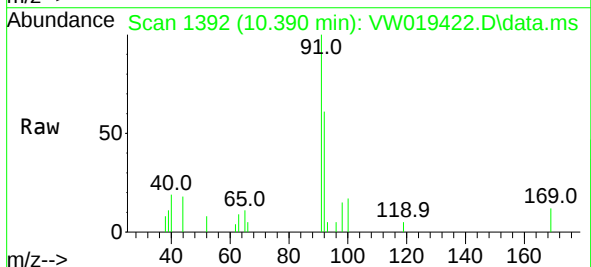
Instrument :
MSVOA_W
ClientSampled :

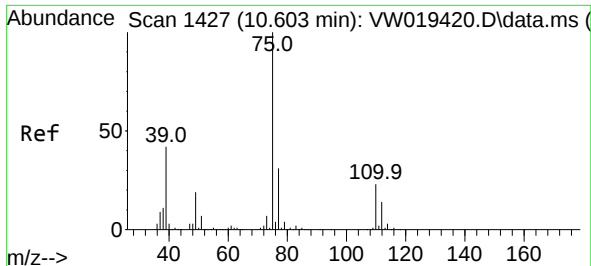
Tgt Ion: 75 Resp: 1993
Ion Ratio Lower Upper
75 100
77 68.6 22.6 42.0#



#42
Toluene
Concen: 0.862 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

Tgt Ion: 91 Resp: 2160
Ion Ratio Lower Upper
91 100
92 61.4 39.5 73.3

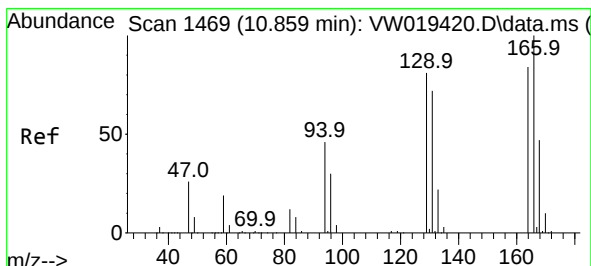
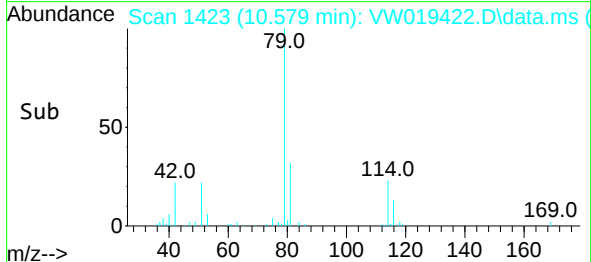
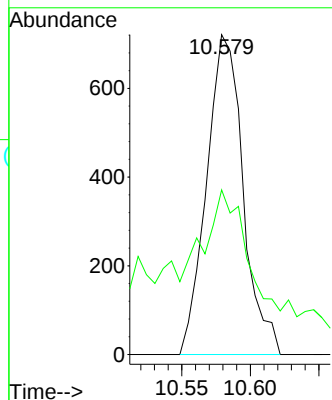
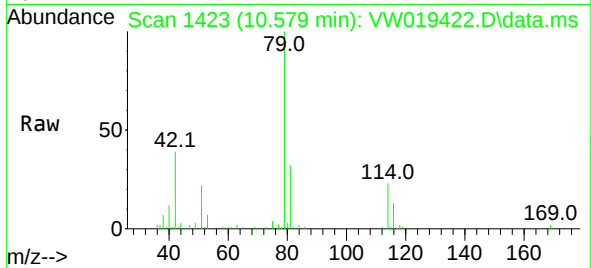




#44
trans-1,3-Dichloropropene
Concen: 1.629 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

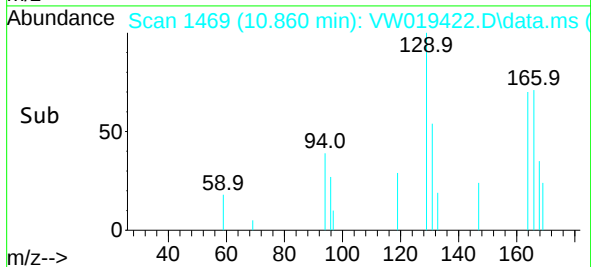
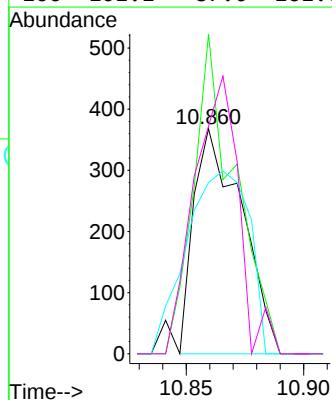
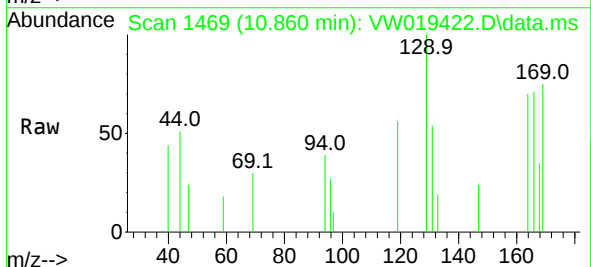
Instrument :
MSVOA_W
ClientSampleId :

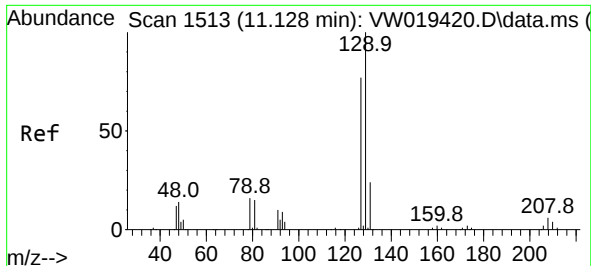
Tgt Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
77 51.5 21.1 39.1#



#46
Tetrachloroethene
Concen: 1.118 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

Tgt Ion:164 Resp: 523
Ion Ratio Lower Upper
164 100
129 142.1 66.7 123.9#
131 76.1 61.1 113.5
166 101.1 87.0 161.6





#49

Dibromochloromethane

Concen: 1.317 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW019422.D

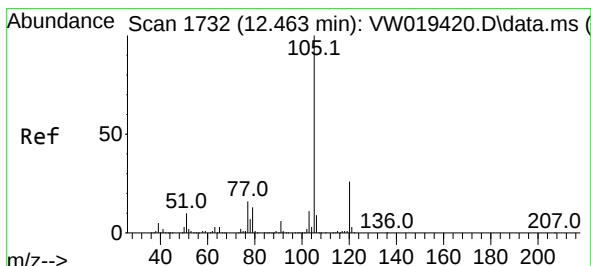
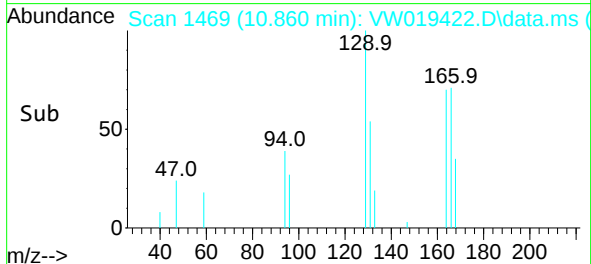
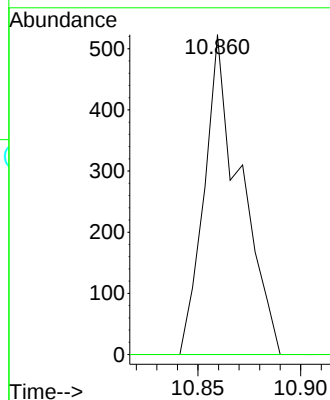
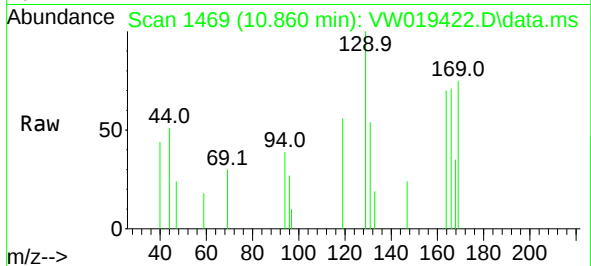
Acq: 12 Jul 2021 10:47

Tgt Ion:129 Resp: 642

Ion Ratio Lower Upper

129 100

127 0.0 51.7 95.9#



#60

Isopropylbenzene

Concen: 0.508 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.482 min

Lab File: VW019422.D

Acq: 12 Jul 2021 10:47

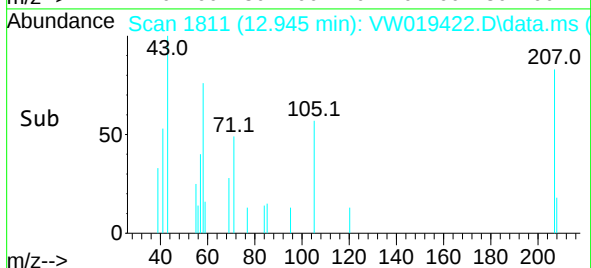
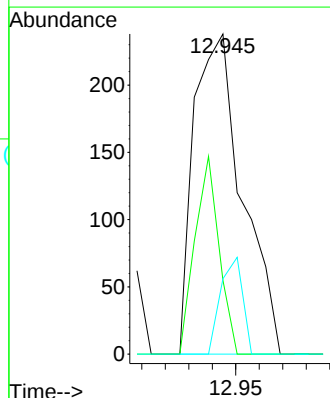
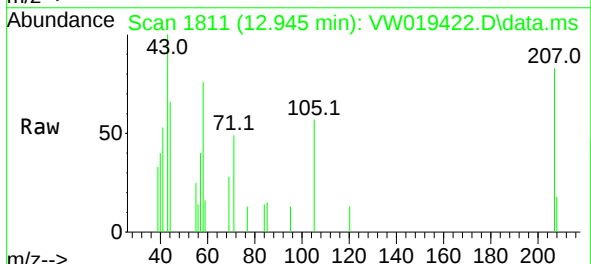
Tgt Ion:105 Resp: 341

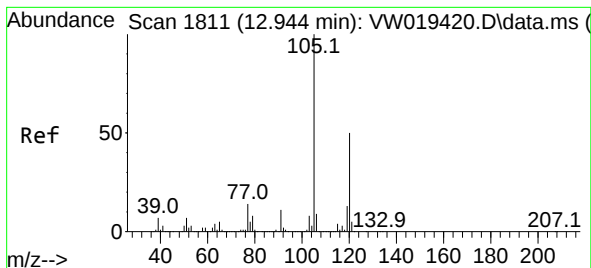
Ion Ratio Lower Upper

105 100

120 30.8 21.1 31.7

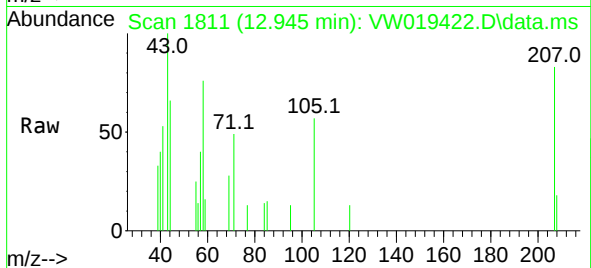
77 13.8 13.2 19.8



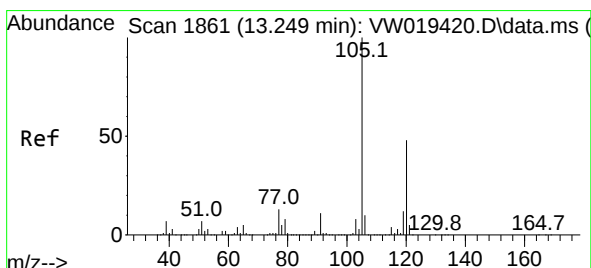
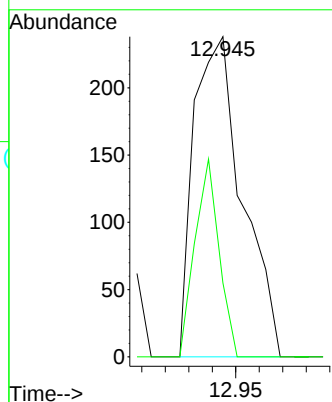
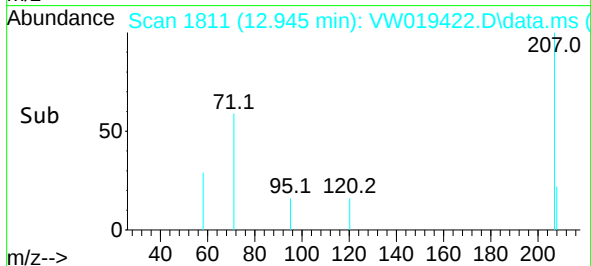


#62
1,3,5-Trimethylbenzene
Concen: 0.607 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

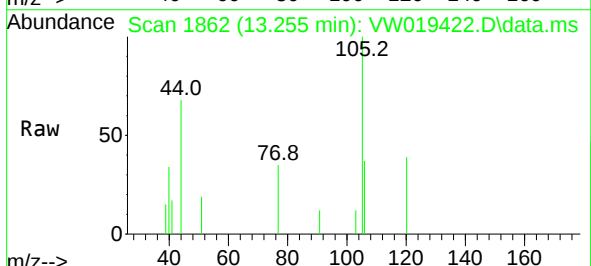
Instrument :
MSVOA_W
ClientSampled :



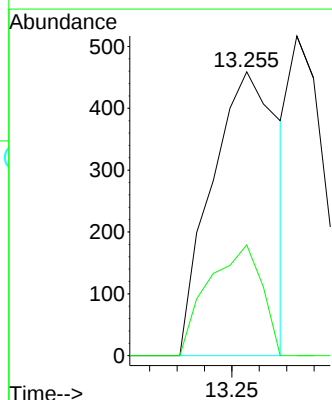
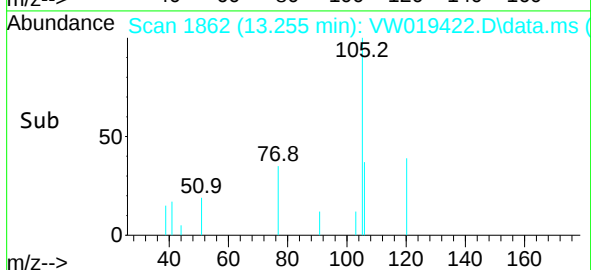
Tgt Ion:105 Resp: 341
Ion Ratio Lower Upper
105 100
120 30.8 39.0 58.6#

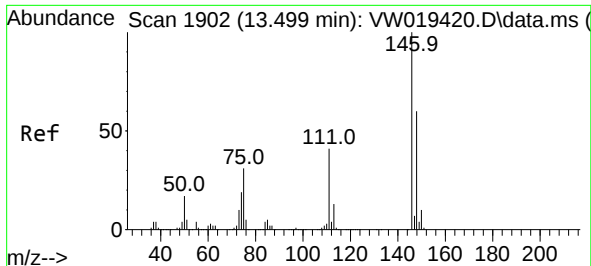


#63
1,2,4-Trimethylbenzene
Concen: 1.375 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47



Tgt Ion:105 Resp: 778
Ion Ratio Lower Upper
105 100
120 31.1 35.6 53.4#

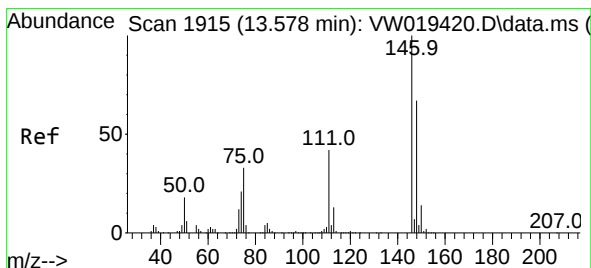
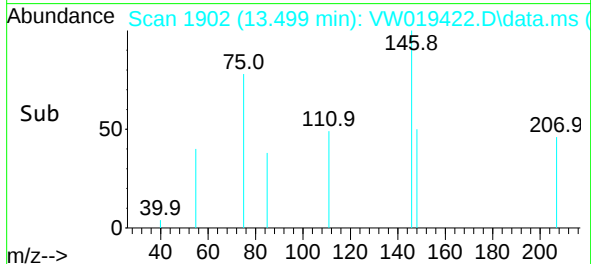
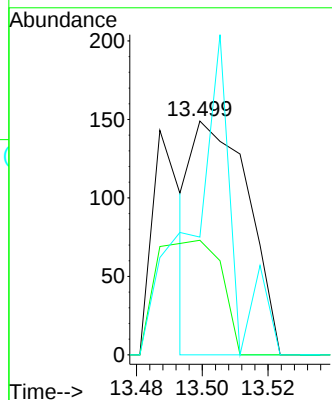
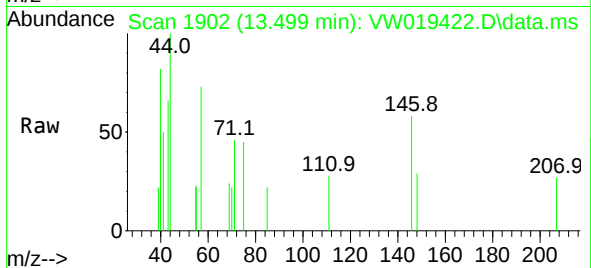




#64
1,3-Dichlorobenzene
Concen: 0.577 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

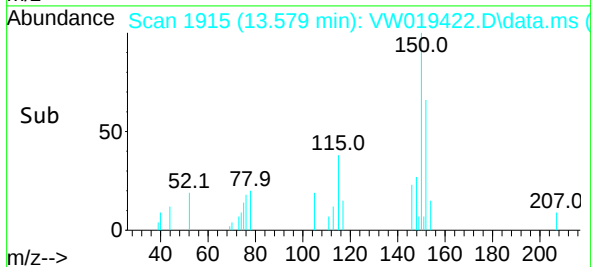
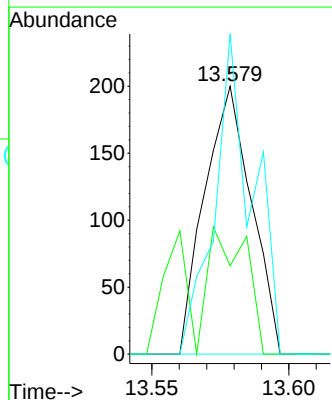
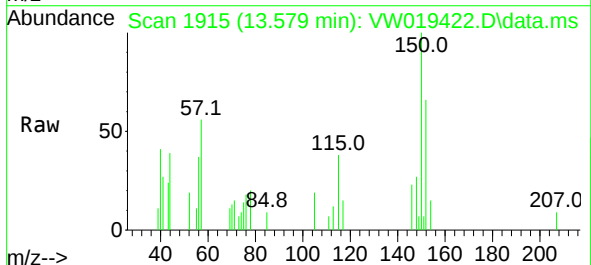
Instrument :
MSVOA_W
ClientSampled :

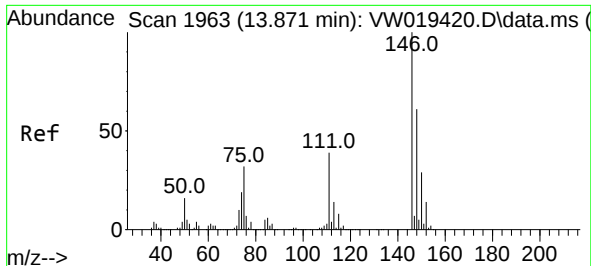
Tgt Ion:146 Resp: 177
Ion Ratio Lower Upper
146 100
111 49.0 26.7 49.7
148 50.3 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 0.781 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

Tgt Ion:146 Resp: 237
Ion Ratio Lower Upper
146 100
111 33.0 28.8 53.4
148 119.5 46.8 87.0#

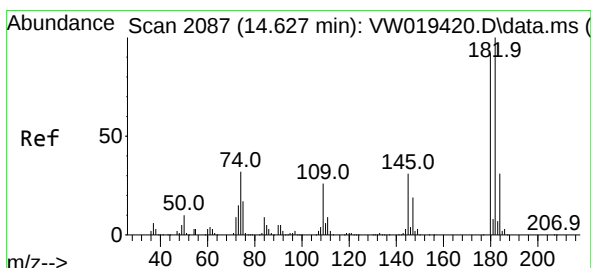
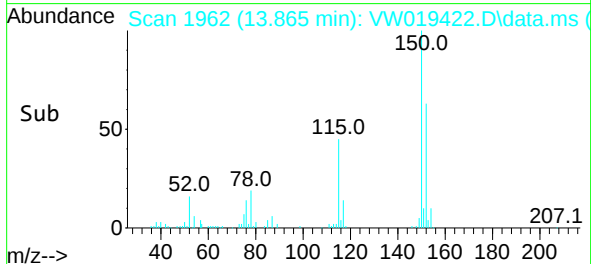
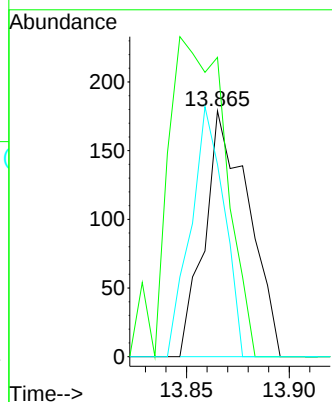
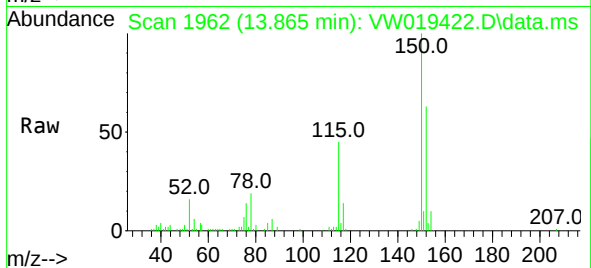




#67
1,2-Dichlorobenzene
Concen: 0.962 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

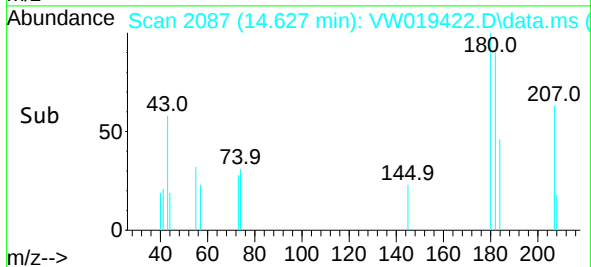
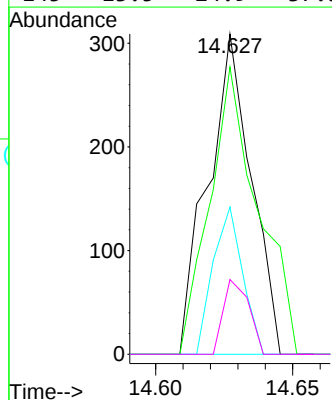
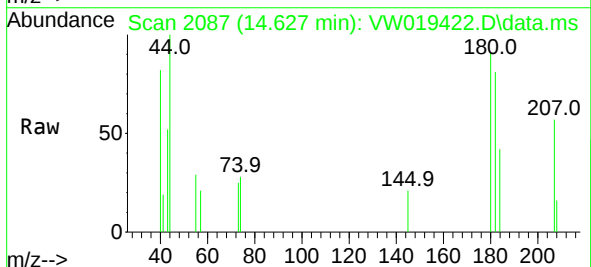
Instrument :
MSVOA_W
ClientSampleId :

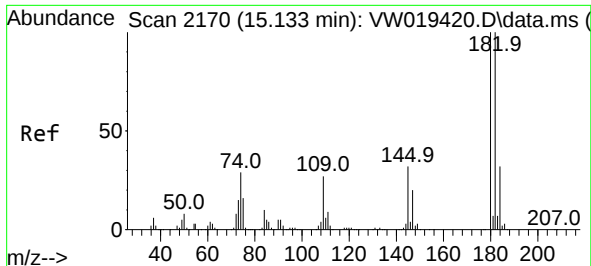
Tgt Ion:146 Resp: 266
Ion Ratio Lower Upper
146 100
111 121.8 33.2 49.8#
148 78.2 50.4 75.6#



#69
1,3,5-Trichlorobenzene
Concen: 1.516 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

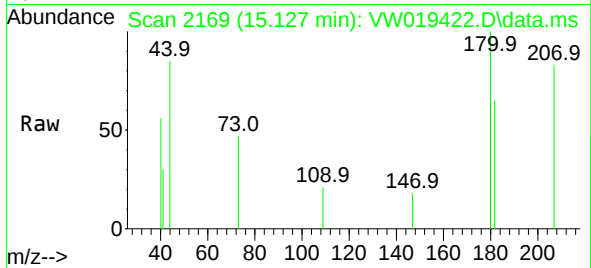
Tgt Ion:180 Resp: 340
Ion Ratio Lower Upper
180 100
182 99.4 73.4 110.2
184 31.2 23.6 35.4
145 13.5 24.9 37.3#



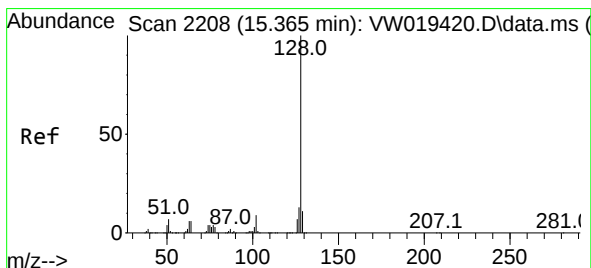
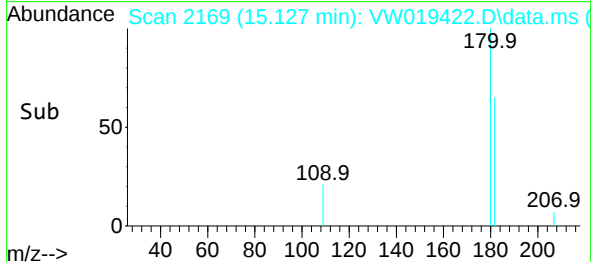
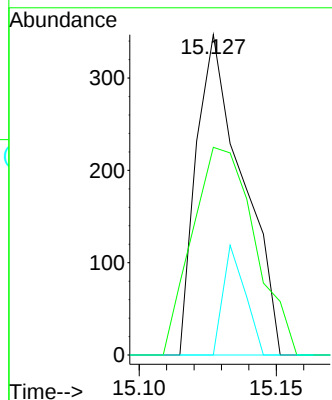


#70
1,2,4-trichlorobenzene
Concen: 2.181 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47

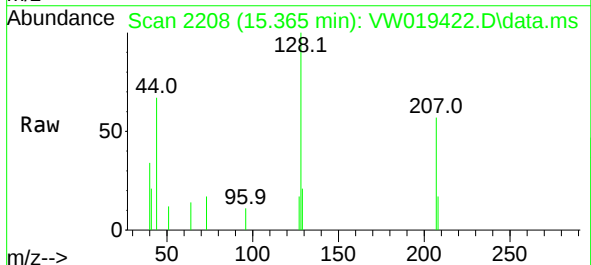
Instrument :
MSVOA_W
ClientSampled :



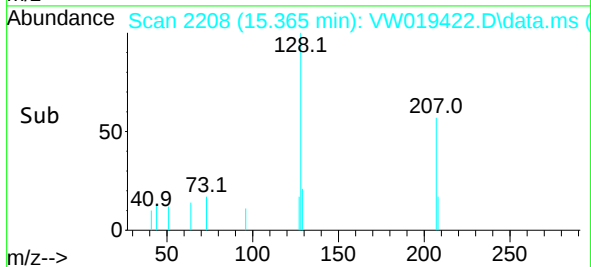
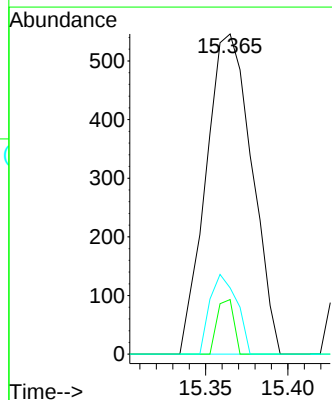
Tgt Ion:180 Resp: 409
Ion Ratio Lower Upper
180 100
182 87.5 74.7 112.1
145 16.4 25.0 37.4#

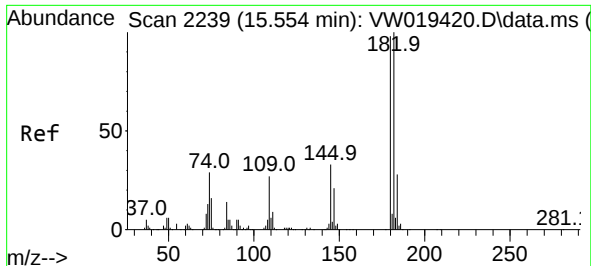


#71
Naphthalene
Concen: 2.796 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW019422.D
Acq: 12 Jul 2021 10:47



Tgt Ion:128 Resp: 1059
Ion Ratio Lower Upper
128 100
127 6.1 10.6 15.8#
129 14.6 9.0 13.6#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.013 ug/L
 RT: 15.554 min Scan# 2239
 Delta R.T. 0.000 min
 Lab File: VW019422.D
 Acq: 12 Jul 2021 10:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:	180	Resp:	338
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.7	115.1
145	25.4	28.9	43.3#

