

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080521\
 Data File : VW019677.D
 Acq On : 05 Aug 2021 12:34
 Operator : SY/VA
 Sample : M3264-07
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB646

Quant Time: Aug 06 01:38:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 06 01:35:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	531027	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	493803	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	247892	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	146420	19.460	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.840%
7) Chloroethane-d5	2.891	69	122816	22.890	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.560%
11) 1,1-Dichloroethene-d2	4.031	63	308280	21.235	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.960%
21) 2-Butanone-d5	7.074	46	92413	42.318	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.640%
24) Chloroform-d	7.653	84	324727	22.131	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.520%
26) 1,2-Dichloroethane-d4	8.311	65	193732	24.060	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.240%
32) Benzene-d6	8.281	84	656285	22.327	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.320%
36) 1,2-Dichloropropane-d6	9.274	67	198677	21.686	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.760%
41) Toluene-d8	10.323	98	597817	22.558	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.240%
43) trans-1,3-Dichloroprop...	10.579	79	87367	22.268	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.080%
47) 2-Hexanone-d5	10.927	63	74803	44.009	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.020%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	169711	22.925	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.680%
66) 1,2-Dichlorobenzene-d4	13.853	152	202072	23.104	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.221	50	108721	16.749	ug/L	100
6) Bromomethane	2.782	94	41907	8.483	ug/L	100
9) Trichlorofluoromethane	3.269	101	97449	17.956	ug/L	98
12) 1,1-Dichloroethene	4.050	96	139341	20.099	ug/L	88
13) Acetone	4.123	43	122933	76.398	ug/L	92
15) Methyl Acetate	4.672	43	135505	37.836	ug/L	99
16) Methylene chloride	4.928	84	117465	11.096	ug/L	95
17) trans-1,2-Dichloroethene	5.428	96	76677	10.171	ug/L	99
18) Methyl tert-butyl Ether	5.428	73	325213	31.223	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	197345	24.749	ug/L	95
23) Bromochloromethane	7.513	128	52483	14.615	ug/L	97
27) 1,2-Dichloroethane	8.403	62	98900	10.736	ug/L	98
29) Cyclohexane	7.958	56	115277	9.103	ug/L	94
30) 1,1,1-Trichloroethane	7.878	97	110523	10.845	ug/L	99
31) Carbon tetrachloride	8.073	117	127538	13.450	ug/L	100
34) Trichloroethene	9.091	95	312247	39.582	ug/L	91
35) Methylcyclohexane	9.335	83	356208	25.517	ug/L	97
37) 1,2-Dichloropropane	9.372	63	97891	12.498	ug/L	99
38) Bromodichloromethane	9.646	83	200240	20.617	ug/L	98

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

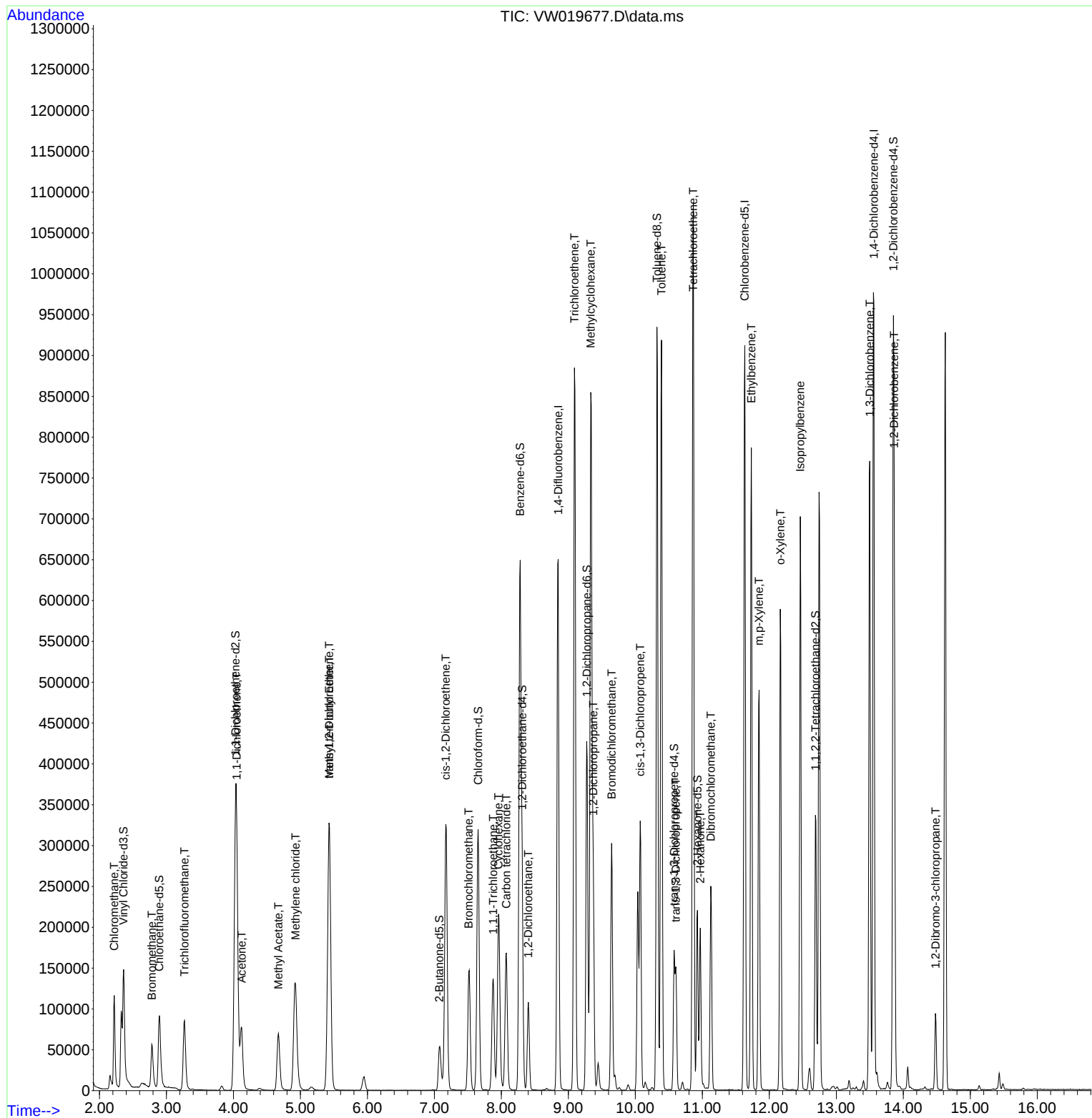
39) cis-1,3-Dichloropropene	10.073	75	193018	16.114	ug/L	98
42) Toluene	10.390	91	658839	20.451	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	80256	7.617	ug/L	96
46) Tetrachloroethene	10.866	164	237844	39.559	ug/L	94
48) 2-Hexanone	10.969	43	118432	35.174	ug/L	97
49) Dibromochloromethane	11.128	129	127560	20.352	ug/L	98
52) Ethylbenzene	11.731	91	537837	15.335	ug/L	97
53) m,p-Xylene	11.847	106	133243	10.053	ug/L	98
54) o-Xylene	12.164	106	152254	12.156	ug/L	96
60) Isopropylbenzene	12.463	105	423268	12.705	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	297404	19.508	ug/L	90
67) 1,2-Dichlorobenzene	13.865	146	143499	10.448	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	24322	20.525	ug/L	93

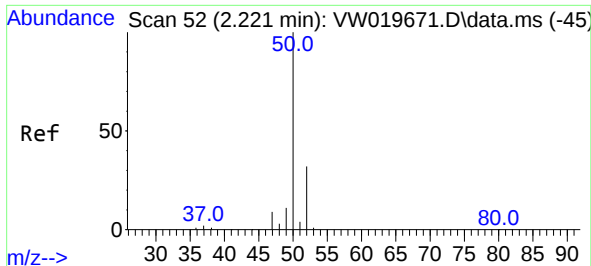
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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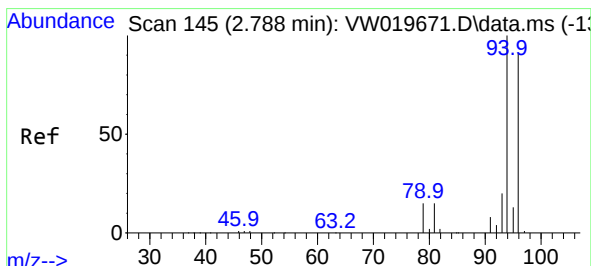
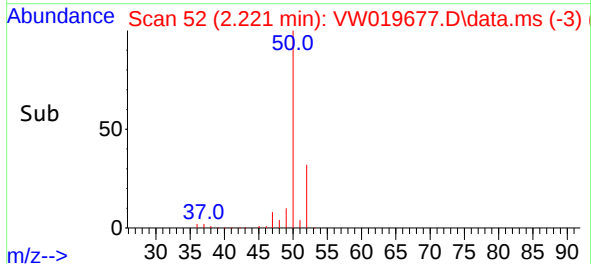
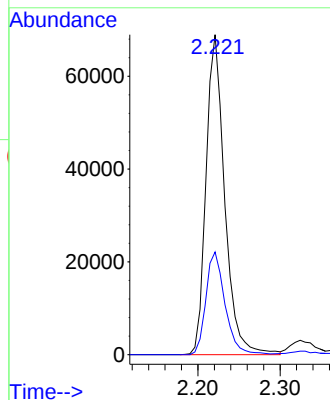
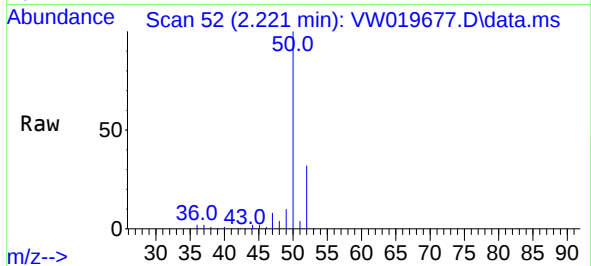




#3
Chloromethane
Concen: 16.749 ug/L
RT: 2.221 min Scan# 52
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

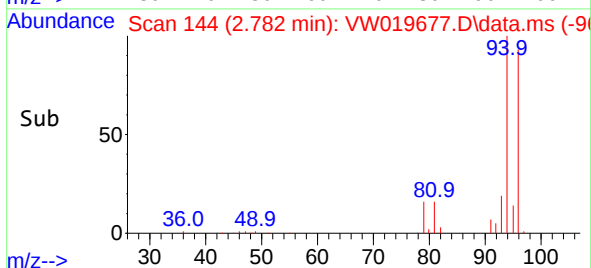
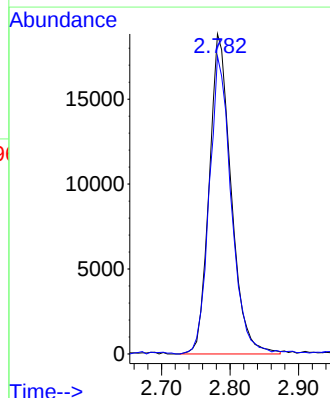
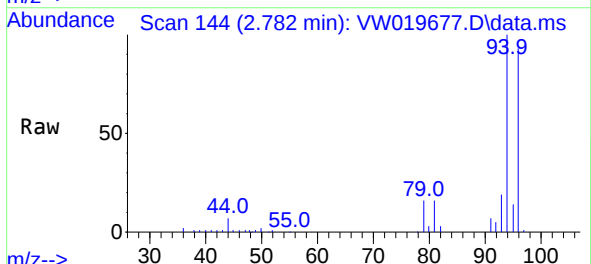
Instrument :
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ClientSampleId :
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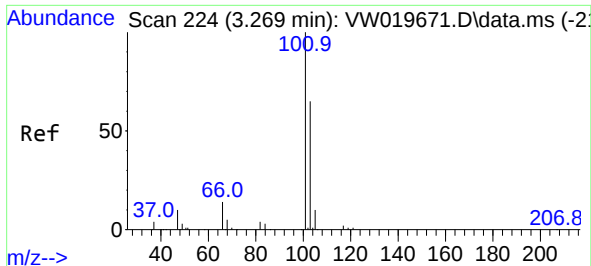
Tgt Ion: 50 Resp: 108721
Ion Ratio Lower Upper
50 100
52 32.1 22.5 41.9



#6
Bromomethane
Concen: 8.483 ug/L
RT: 2.782 min Scan# 144
Delta R.T. -0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 94 Resp: 41907
Ion Ratio Lower Upper
94 100
96 93.0 65.3 121.3

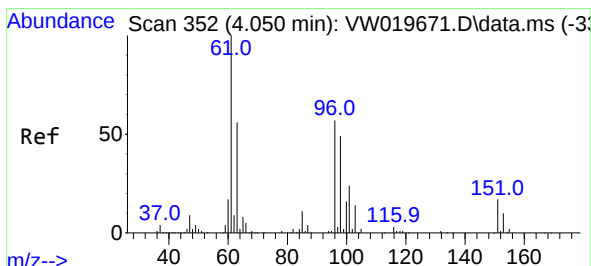
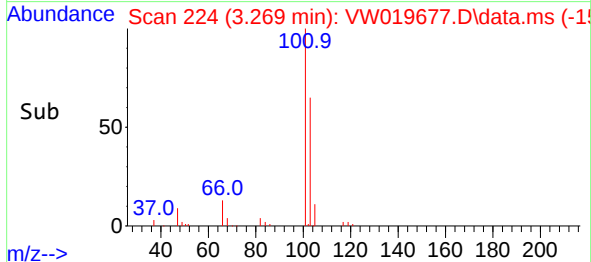
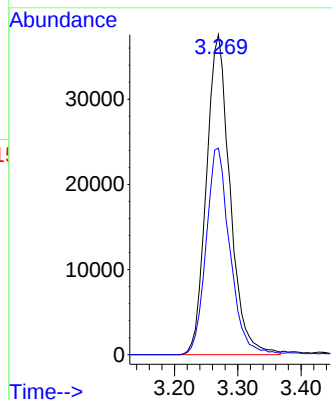
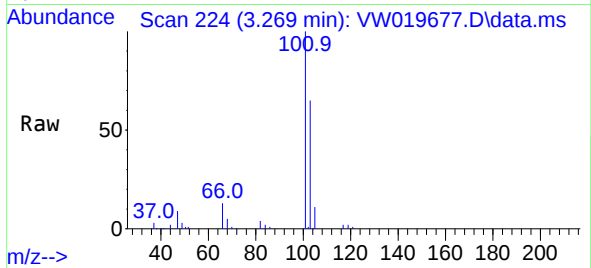




#9
 Trichlorofluoromethane
 Concen: 17.956 ug/L
 RT: 3.269 min Scan# 224
 Delta R.T. -0.000 min
 Lab File: VW019677.D
 Acq: 05 Aug 2021 12:34

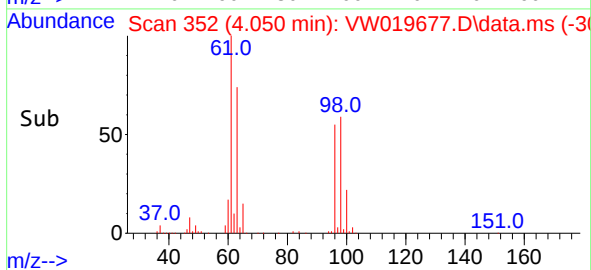
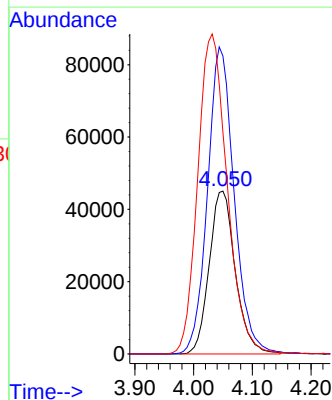
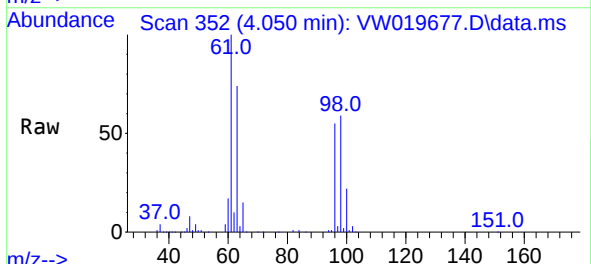
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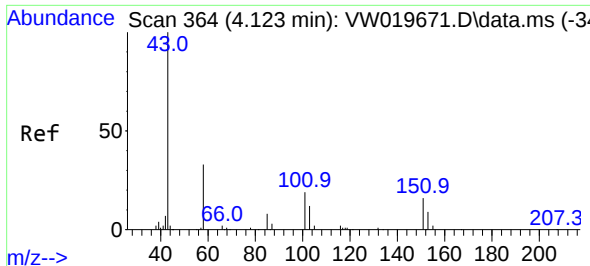
Tgt Ion:101 Resp: 97449
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.0 76.4



#12
 1,1-Dichloroethene
 Concen: 20.099 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. -0.000 min
 Lab File: VW019677.D
 Acq: 05 Aug 2021 12:34

Tgt Ion: 96 Resp: 139341
 Ion Ratio Lower Upper
 96 100
 61 182.9 118.1 219.3
 63 136.0 83.7 155.5

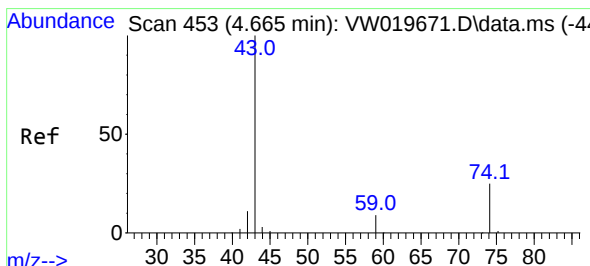
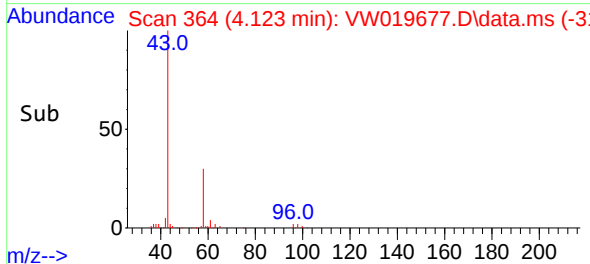
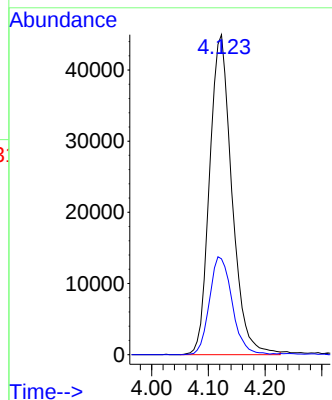
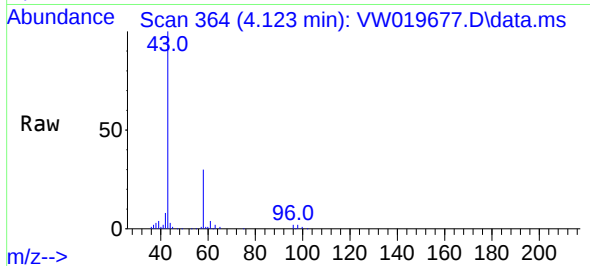




#13
Acetone
Concen: 76.398 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

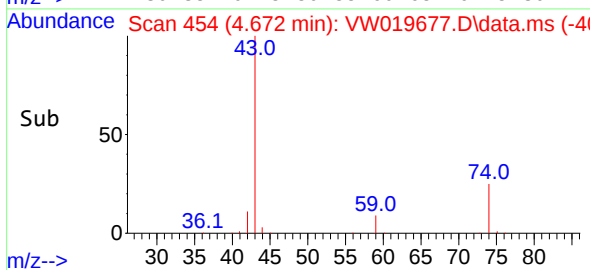
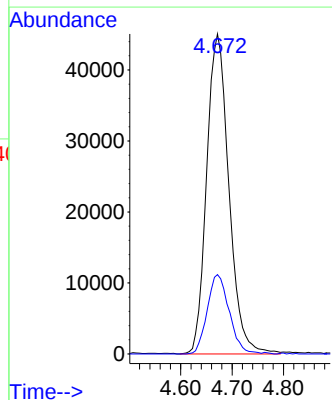
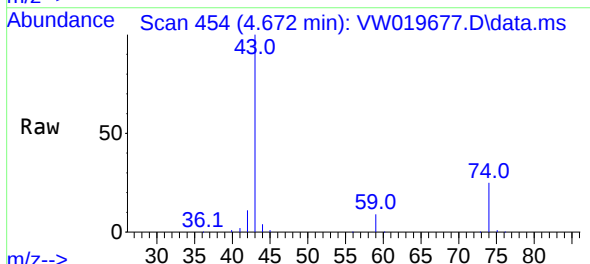
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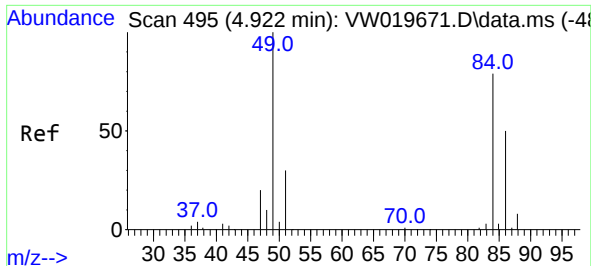
Tgt Ion: 43 Resp: 122933
Ion Ratio Lower Upper
43 100
58 31.1 0.0 53.8



#15
Methyl Acetate
Concen: 37.836 ug/L
RT: 4.672 min Scan# 454
Delta R.T. 0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 43 Resp: 135505
Ion Ratio Lower Upper
43 100
74 24.4 20.0 30.0

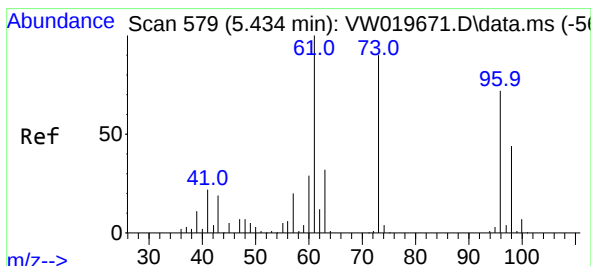
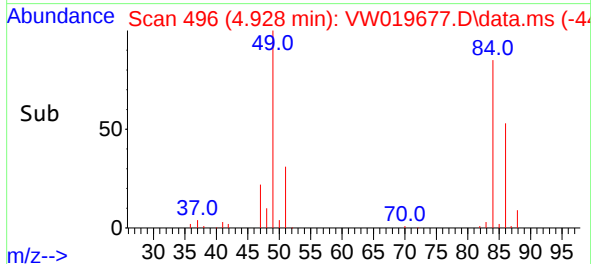
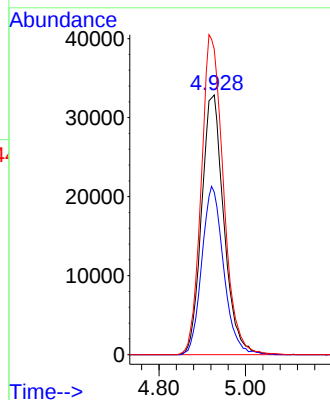
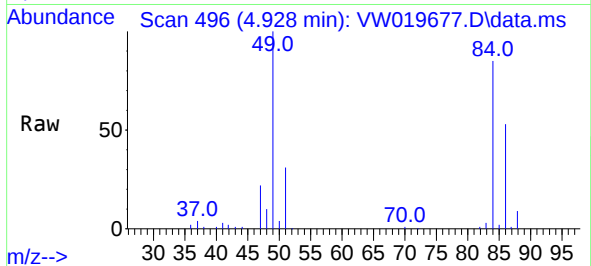




#16
Methylene chloride
Concen: 11.096 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

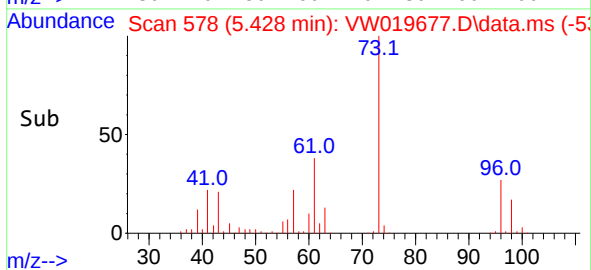
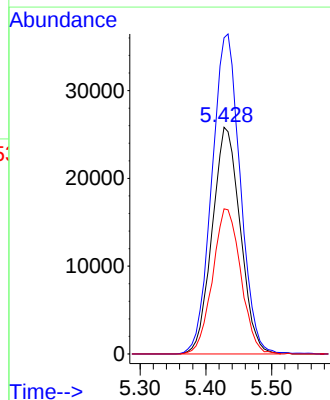
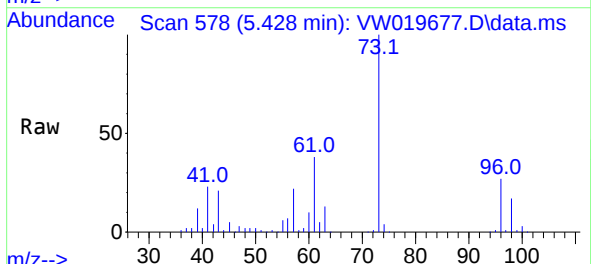
Instrument :
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ClientSampled :
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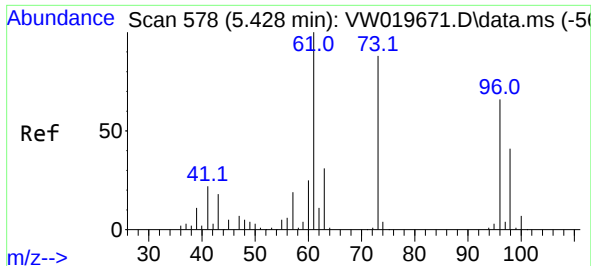
Tgt Ion: 84 Resp: 117465
Ion Ratio Lower Upper
84 100
86 62.5 45.3 84.1
49 117.5 86.6 160.8



#17
trans-1,2-Dichloroethene
Concen: 10.171 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 96 Resp: 76677
Ion Ratio Lower Upper
96 100
61 139.5 98.3 182.7
98 64.0 46.1 85.7

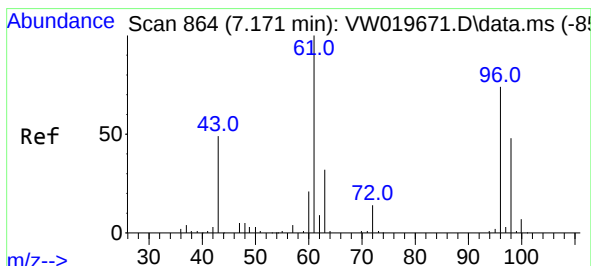
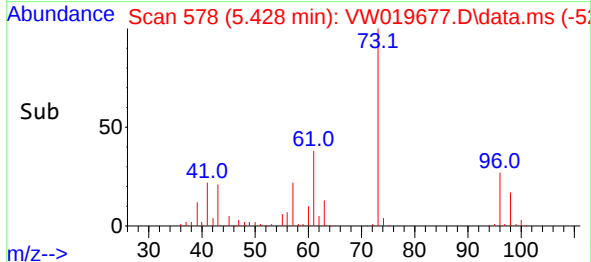
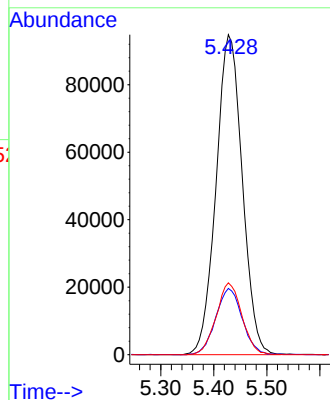
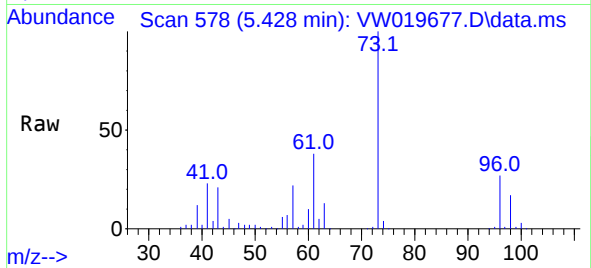




#18
Methyl tert-butyl Ether
Concen: 31.223 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW019677.D
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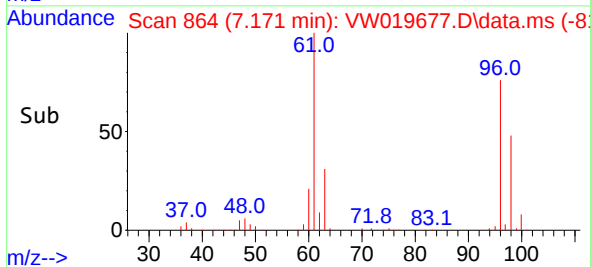
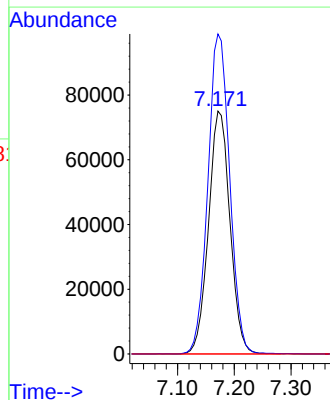
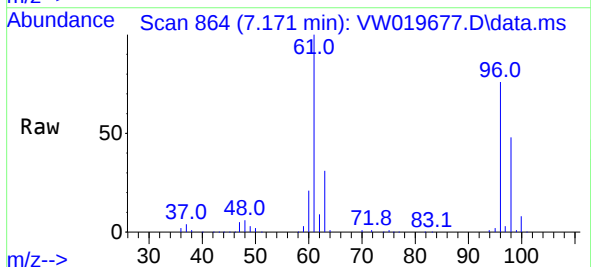
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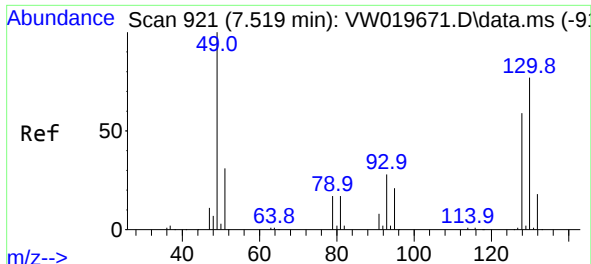
Tgt Ion: 73 Resp: 325213
Ion Ratio Lower Upper
73 100
43 20.9 17.7 26.5
57 22.0 17.0 25.4



#20
cis-1,2-Dichloroethene
Concen: 24.749 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

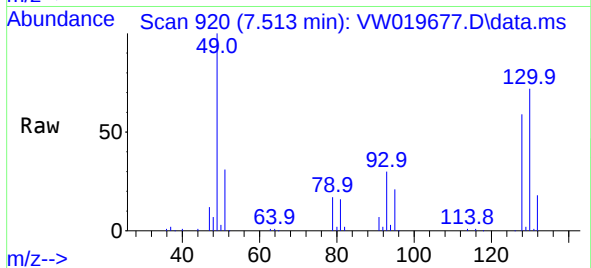
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Ion Ratio Lower Upper
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61 131.8 88.5 164.3
68 0.0 0.0 0.0



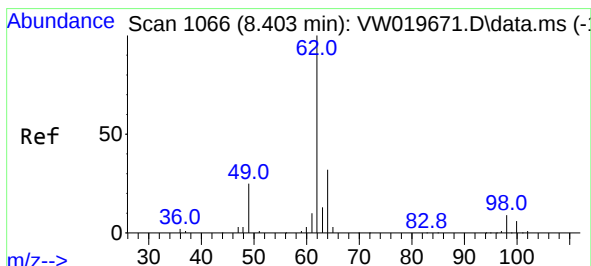
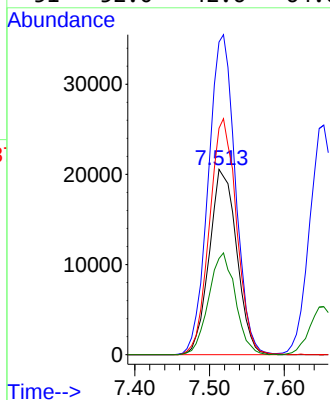
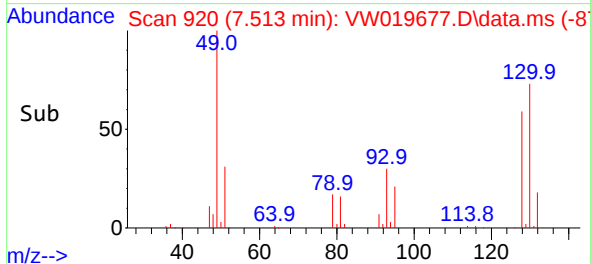


#23
Bromochloromethane
Concen: 14.615 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.006 min
Lab File: VW019677.D
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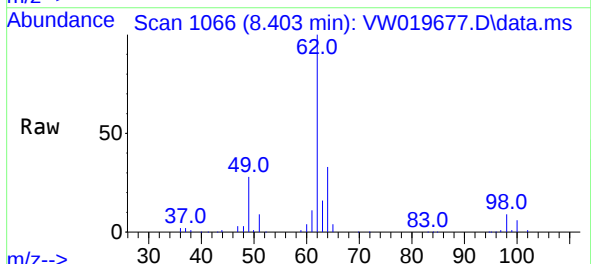
Instrument :
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ClientSampled :
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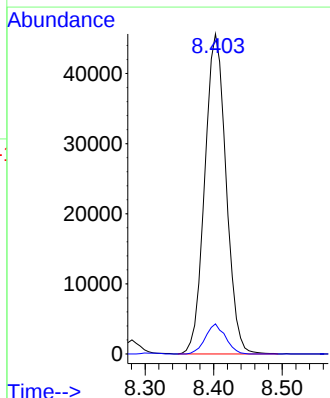
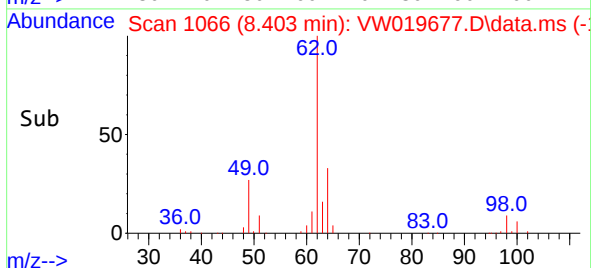
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Ion Ratio Lower Upper
128 100
49 168.7 116.3 215.9
130 122.3 82.4 153.0
51 52.0 42.6 64.0

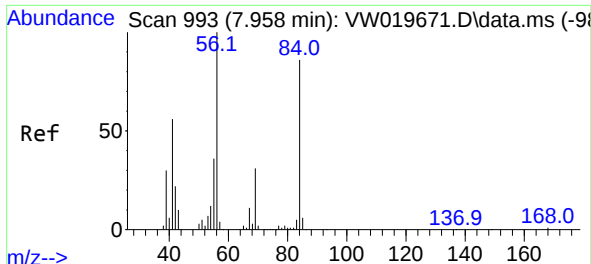


#27
1,2-Dichloroethane
Concen: 10.736 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34



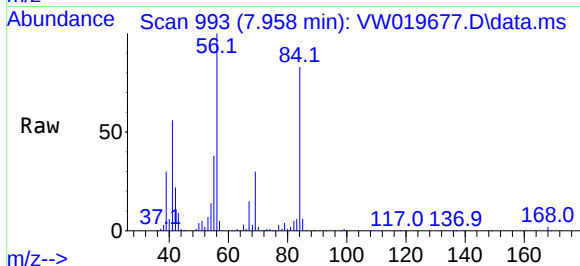
Tgt Ion: 62 Resp: 98900
Ion Ratio Lower Upper
62 100
98 9.4 6.9 10.3





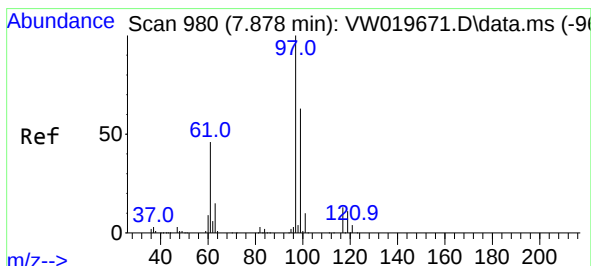
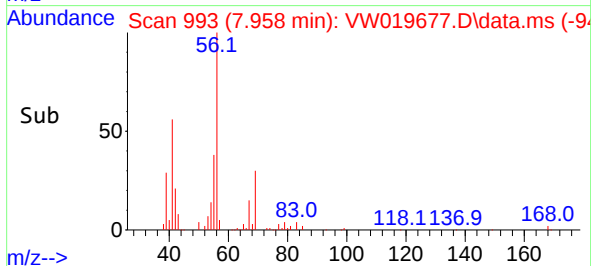
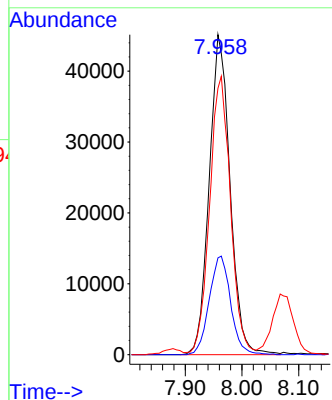
#29
Cyclohexane
Concen: 9.103 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Instrument :
MSVOA_W
ClientSampleId :
GB646



Tgt Ion: 56 Resp: 115277

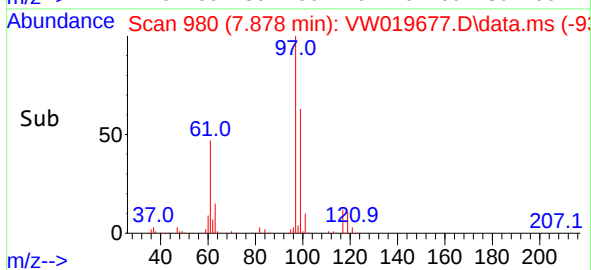
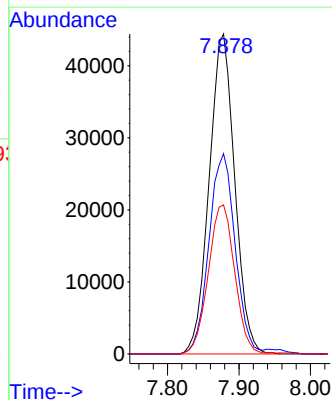
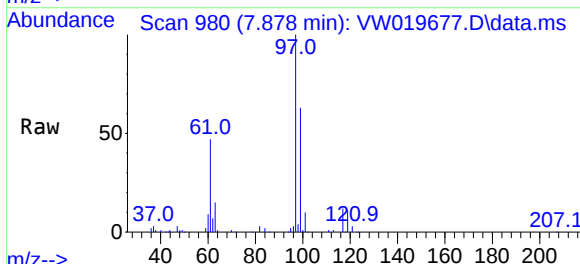
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.5	36.7
84	87.0	75.0	112.4

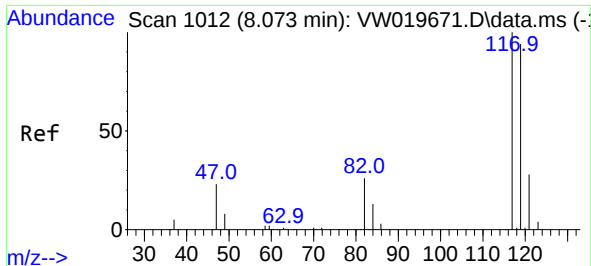


#30
1,1,1-Trichloroethane
Concen: 10.845 ug/L
RT: 7.878 min Scan# 980
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 97 Resp: 110523

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	48.1	37.8	56.6

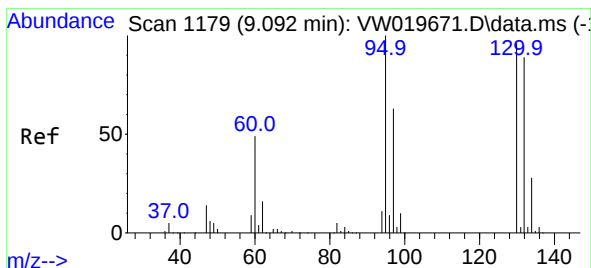
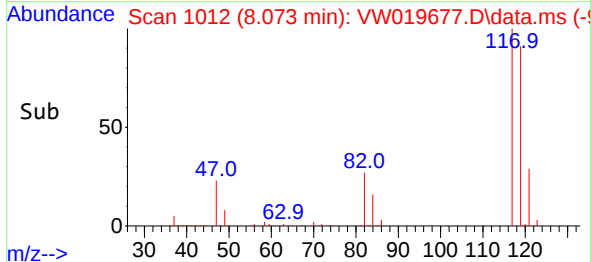
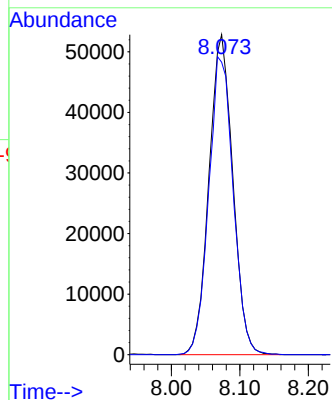
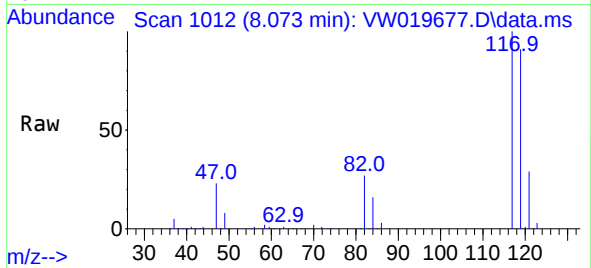




#31
Carbon tetrachloride
Concen: 13.450 ug/L
RT: 8.073 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

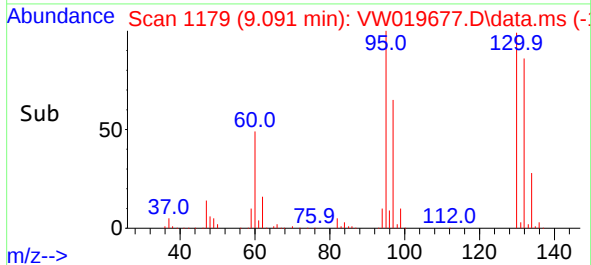
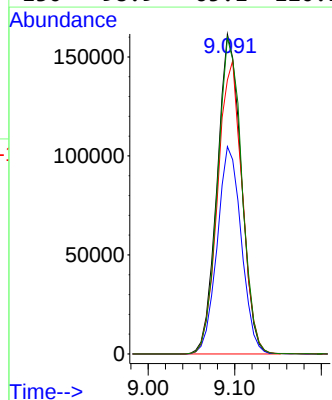
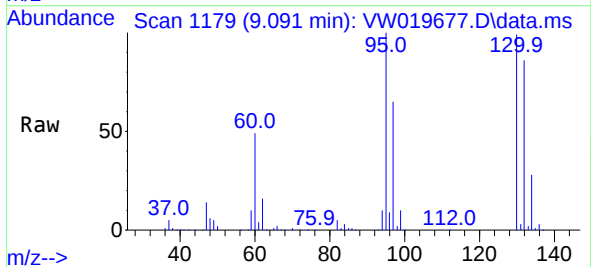
Instrument :
MSVOA_W
ClientSampled :
GB646

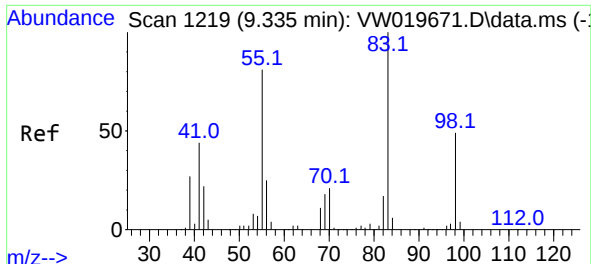
Tgt Ion:117 Resp: 127538
Ion Ratio Lower Upper
117 100
119 95.5 76.5 114.7



#34
Trichloroethene
Concen: 39.582 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 95 Resp: 312247
Ion Ratio Lower Upper
95 100
97 64.8 47.3 87.8
132 85.6 71.0 131.8
130 98.9 65.1 120.9

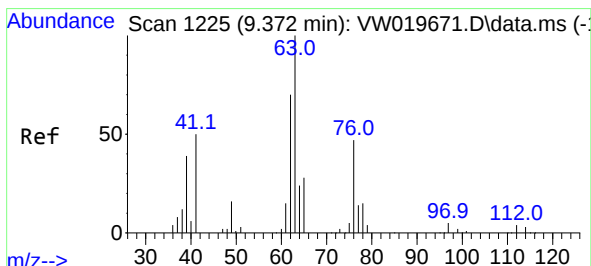
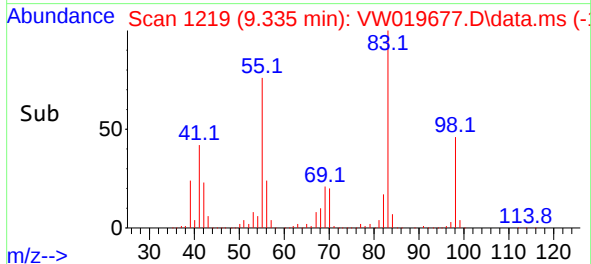
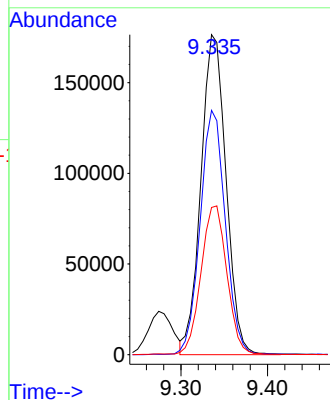
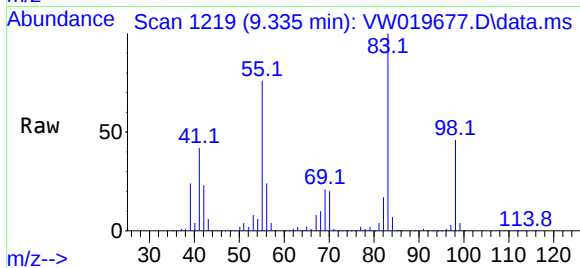




#35
Methylcyclohexane
Concen: 25.517 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

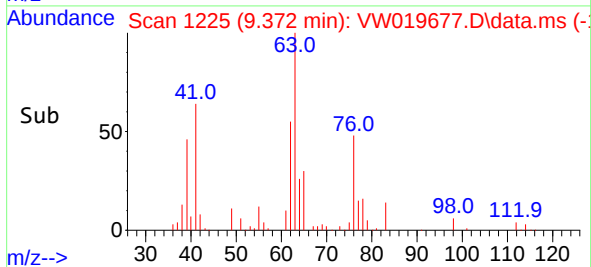
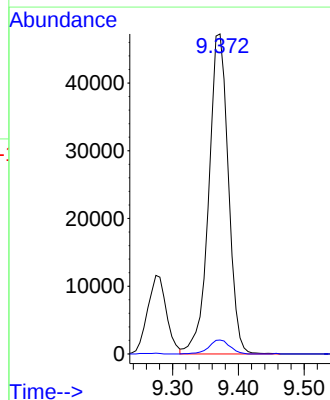
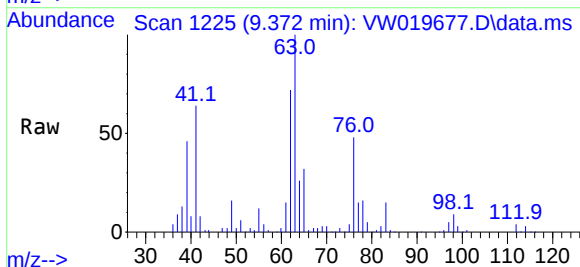
Instrument :
MSVOA_W
ClientSampleId :
GB646

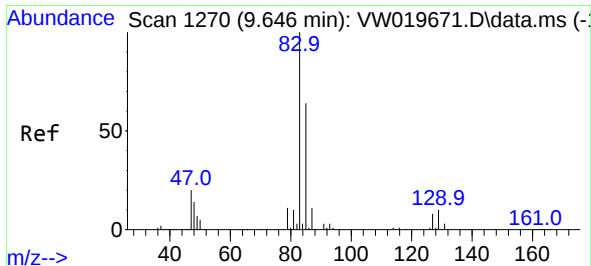
Tgt Ion:	83	Resp:	356208
Ion	Ratio	Lower	Upper
83	100		
55	76.6	58.9	88.3
98	48.0	40.1	60.1



#37
1,2-Dichloropropane
Concen: 12.498 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

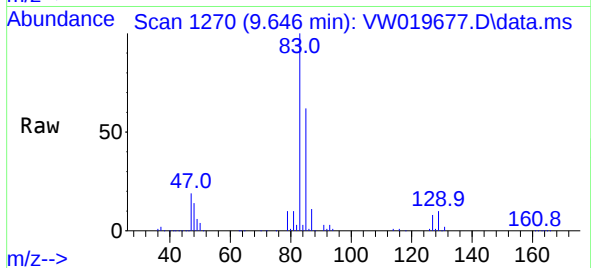
Tgt Ion:	63	Resp:	97891
Ion	Ratio	Lower	Upper
63	100		
112	4.7	3.9	5.9



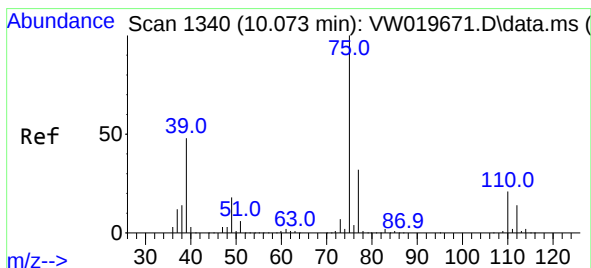
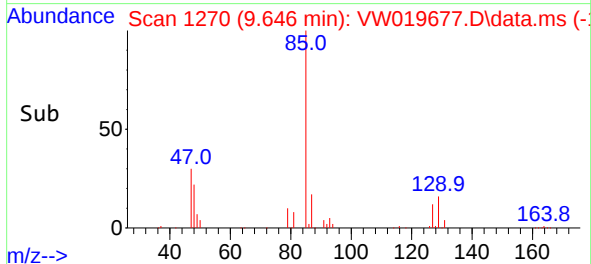
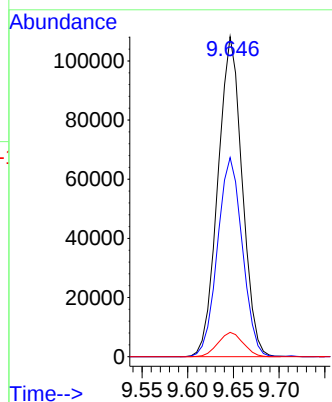


#38
Bromodichloromethane
Concen: 20.617 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Instrument :
MSVOA_W
ClientSampleId :
GB646

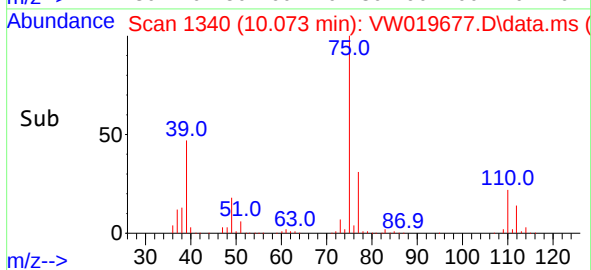
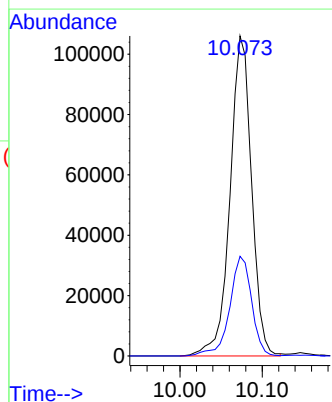
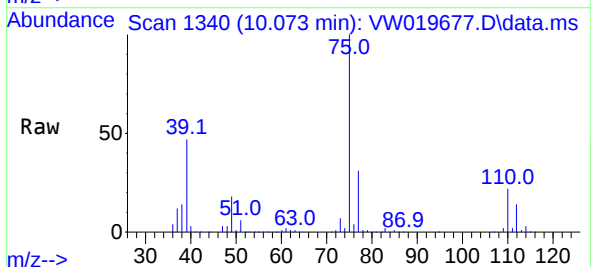


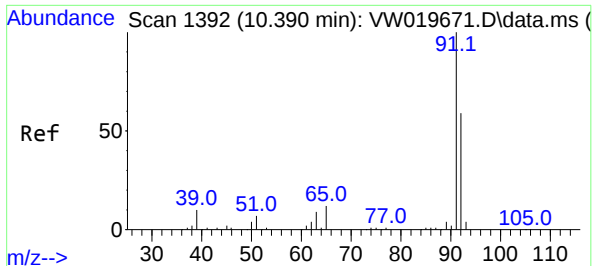
Tgt Ion: 83 Resp: 200240
Ion Ratio Lower Upper
83 100
85 62.2 42.3 78.5
127 7.6 6.6 9.8



#39
cis-1,3-Dichloropropene
Concen: 16.114 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 75 Resp: 193018
Ion Ratio Lower Upper
75 100
77 31.2 22.6 42.0

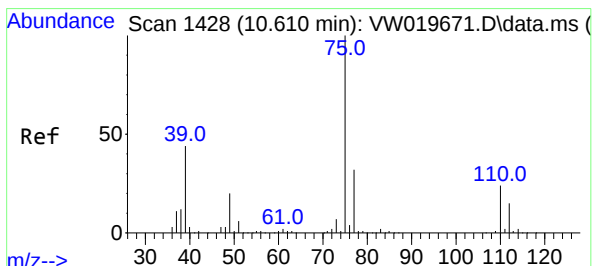
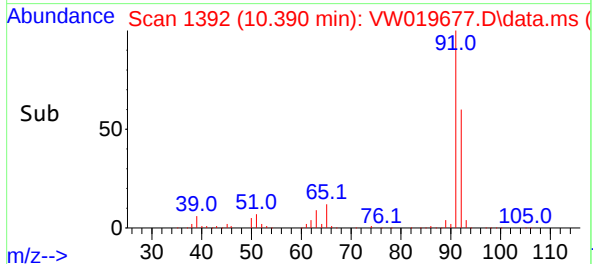
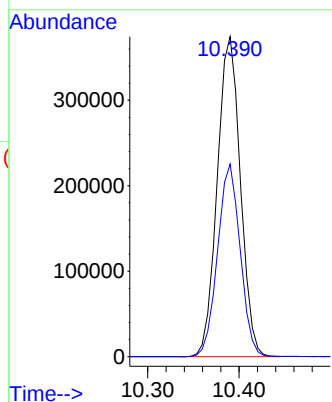
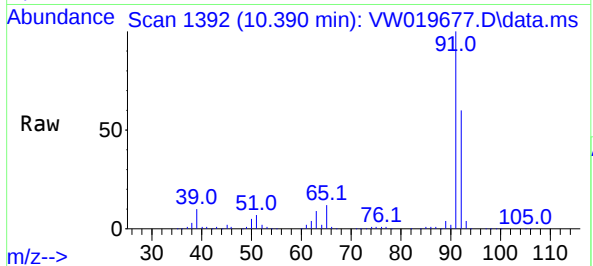




#42
Toluene
Concen: 20.451 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

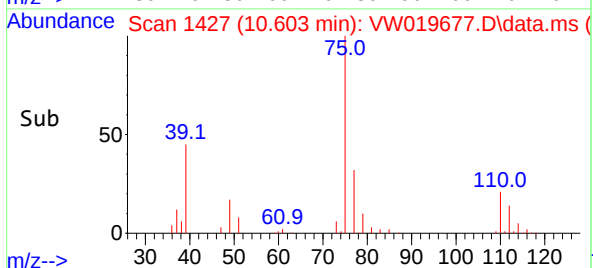
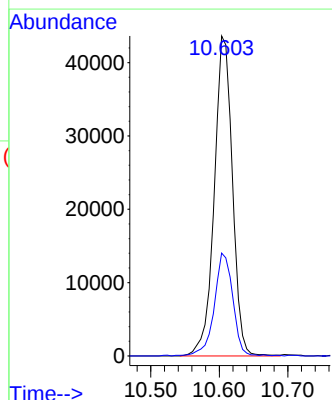
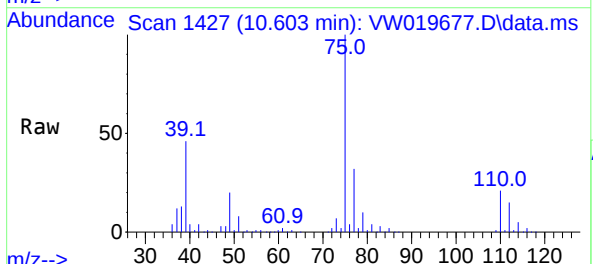
Instrument :
MSVOA_W
ClientSampled :
GB646

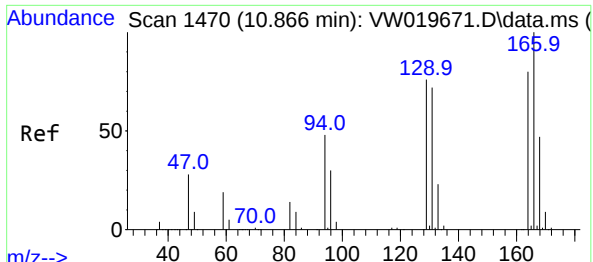
Tgt Ion: 91 Resp: 658839
Ion Ratio Lower Upper
91 100
92 60.2 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 7.617 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 75 Resp: 80256
Ion Ratio Lower Upper
75 100
77 32.2 21.1 39.1



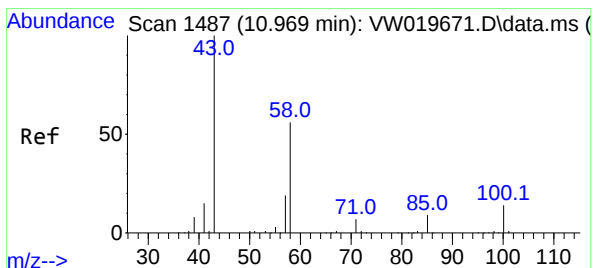
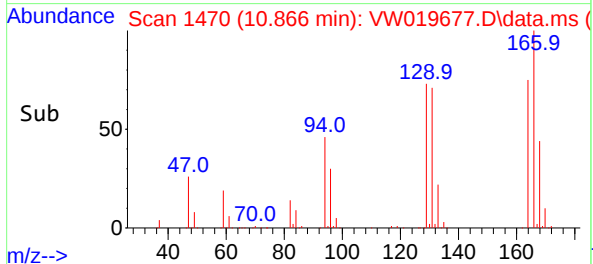
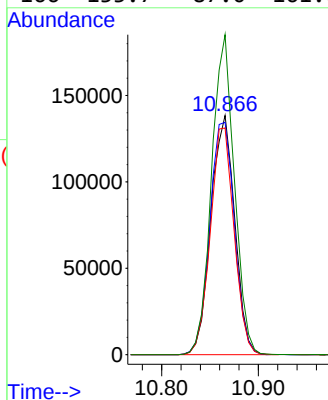
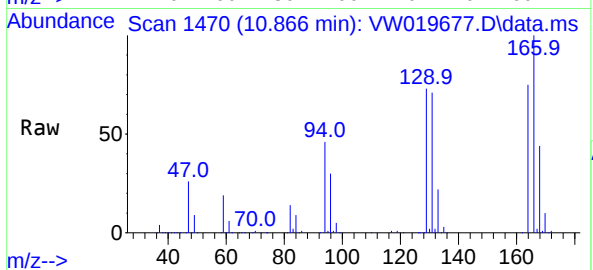


#46
Tetrachloroethene
Concen: 39.559 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Instrument :
MSVOA_W
ClientSampled :
GB646

Tgt Ion:164 Resp: 237844

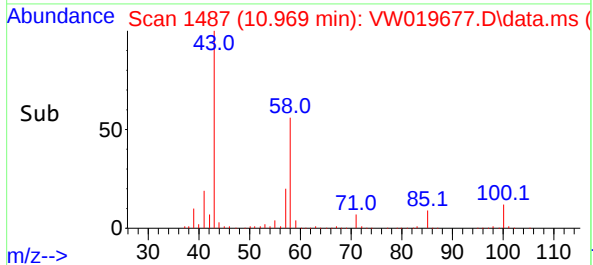
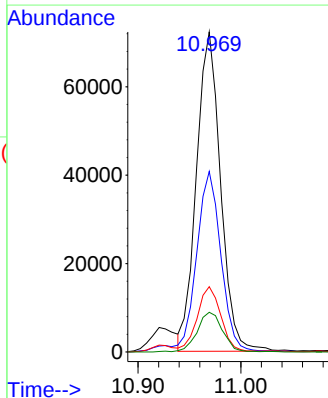
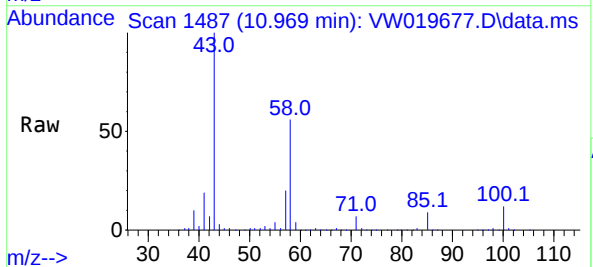
Ion	Ratio	Lower	Upper
164	100		
129	97.1	66.7	123.9
131	94.8	61.1	113.5
166	133.7	87.0	161.6

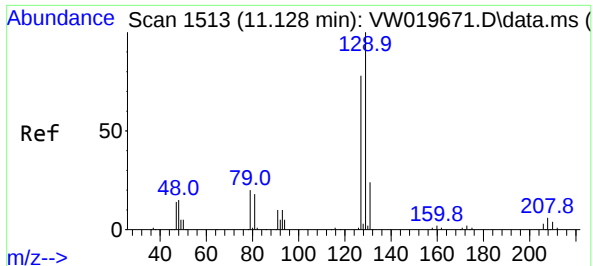


#48
2-Hexanone
Concen: 35.174 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion: 43 Resp: 118432

Ion	Ratio	Lower	Upper
43	100		
58	56.5	42.7	64.1
57	19.4	15.8	23.8
100	13.0	10.0	15.0





#49

Dibromochloromethane

Concen: 20.352 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW019677.D

Acq: 05 Aug 2021 12:34

Instrument :

MSVOA_W

ClientSampleId :

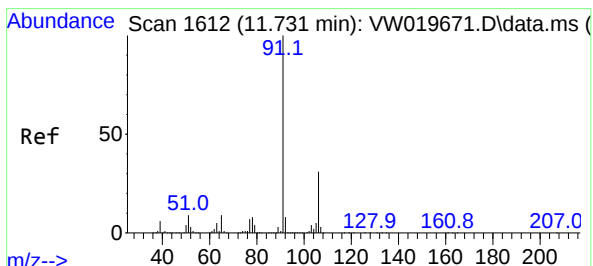
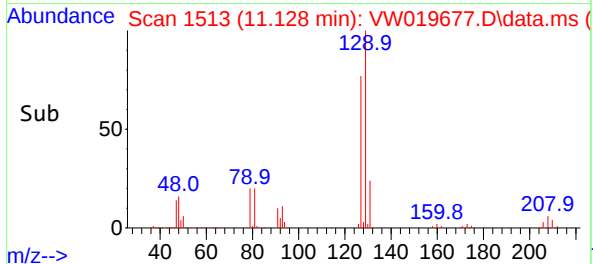
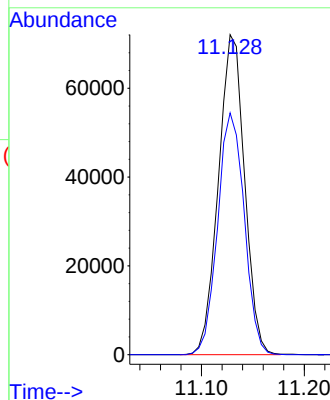
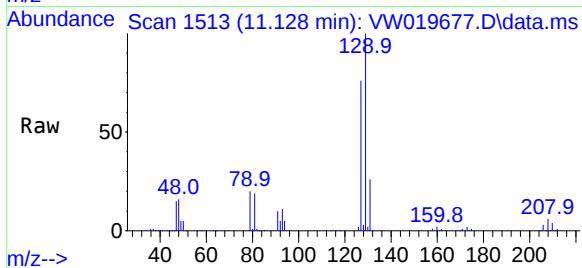
GB646

Tgt Ion:129 Resp: 127560

Ion Ratio Lower Upper

129 100

127 75.6 51.7 95.9



#52

Ethylbenzene

Concen: 15.335 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW019677.D

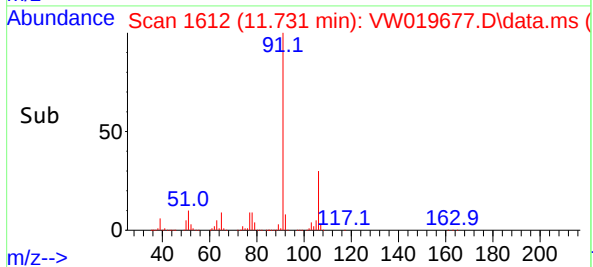
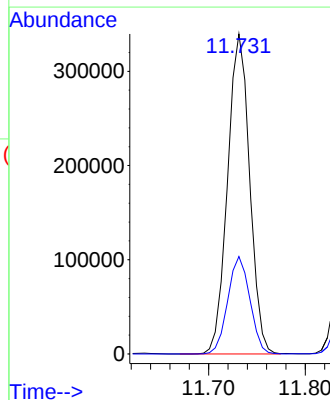
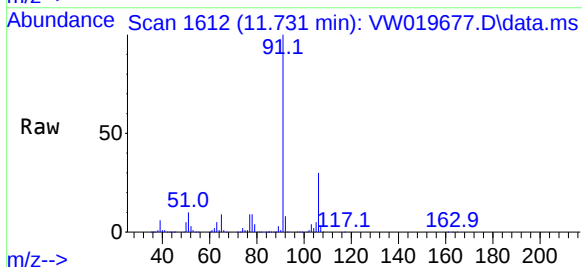
Acq: 05 Aug 2021 12:34

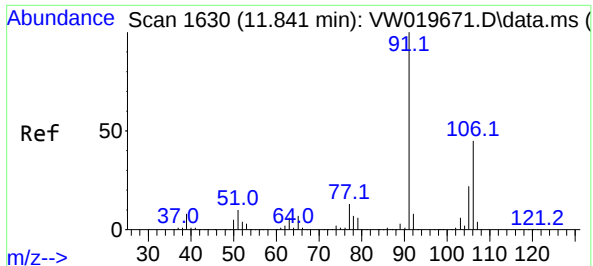
Tgt Ion: 91 Resp: 537837

Ion Ratio Lower Upper

91 100

106 30.5 22.5 41.7

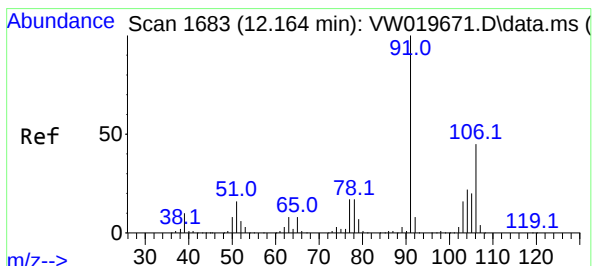
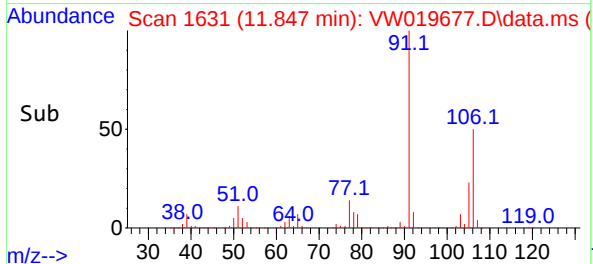
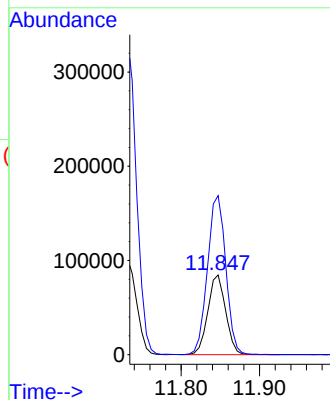
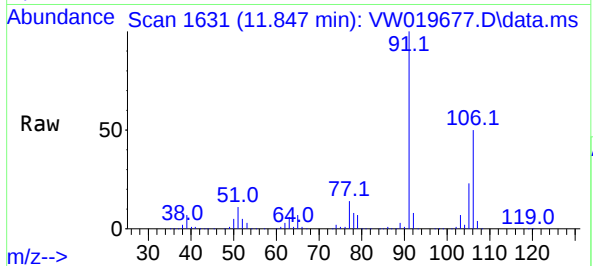




#53
m,p-Xylene
Concen: 10.053 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

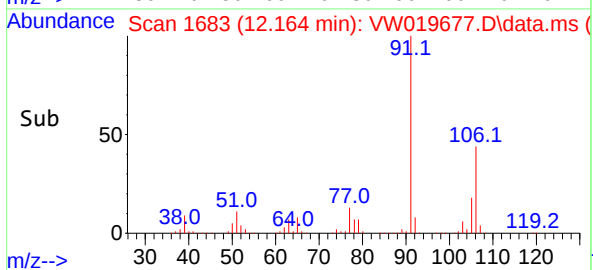
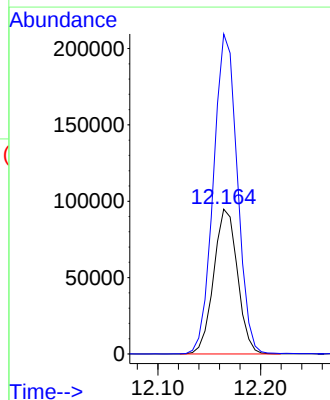
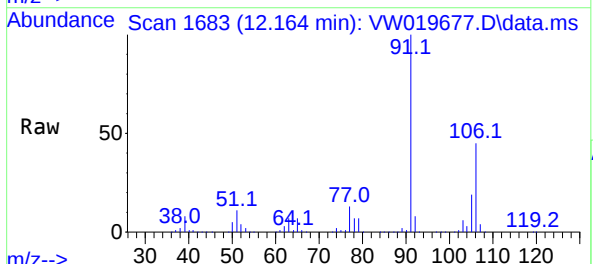
Instrument :
MSVOA_W
ClientSampled :
GB646

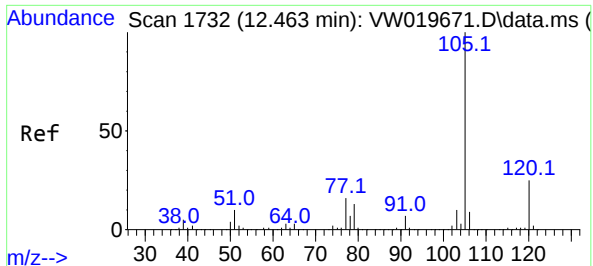
Tgt Ion:106 Resp: 133243
Ion Ratio Lower Upper
106 100
91 199.5 141.3 262.3



#54
o-Xylene
Concen: 12.156 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion:106 Resp: 152254
Ion Ratio Lower Upper
106 100
91 221.0 150.0 278.6



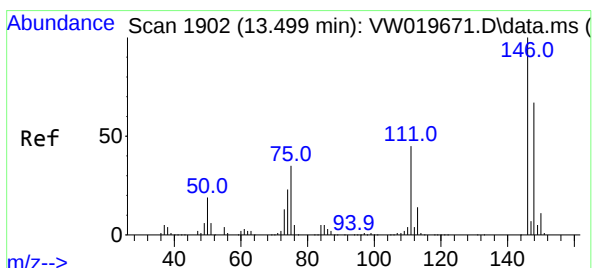
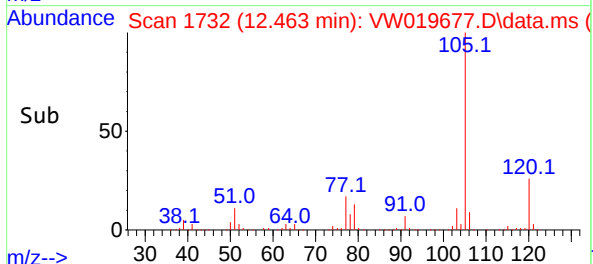
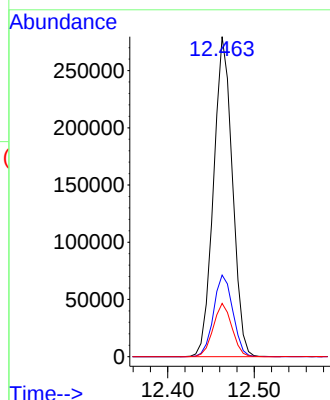
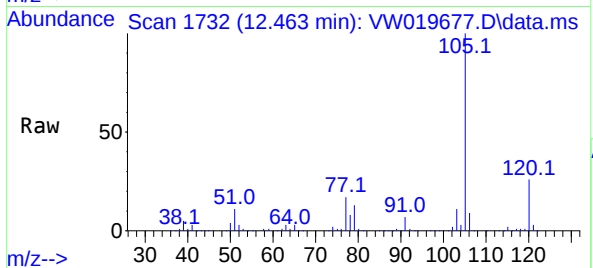


#60
Isopropylbenzene
Concen: 12.705 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Instrument :
MSVOA_W
ClientSampleId :
GB646

Tgt Ion:105 Resp: 423268

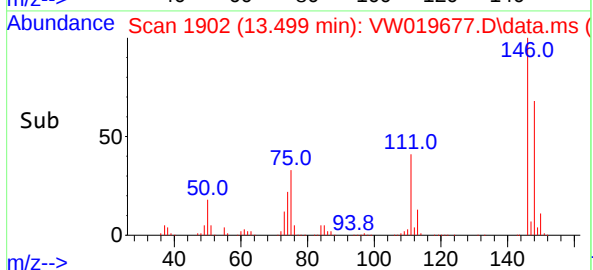
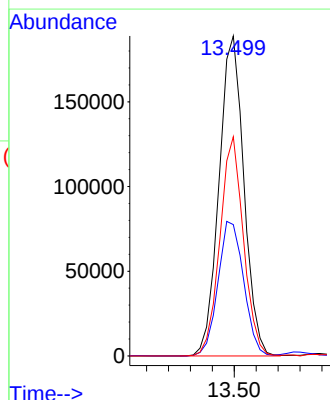
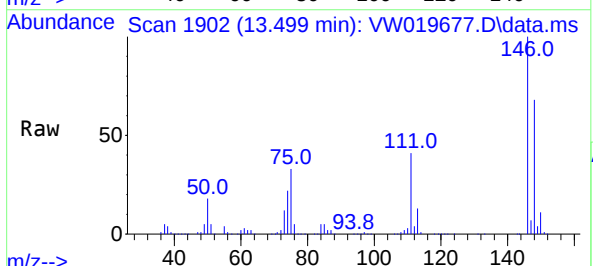
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.1	31.7
77	16.5	13.2	19.8

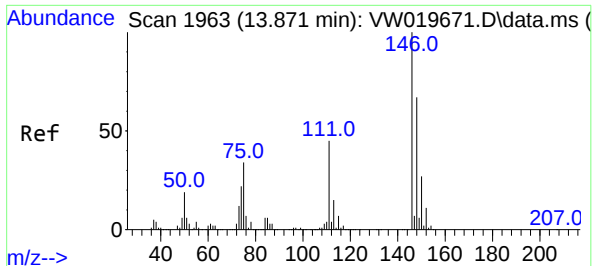


#64
1,3-Dichlorobenzene
Concen: 19.508 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion:146 Resp: 297404

Ion	Ratio	Lower	Upper
146	100		
111	41.0	26.7	49.7
148	68.5	41.1	76.3

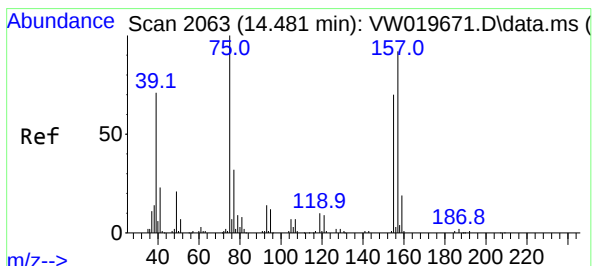
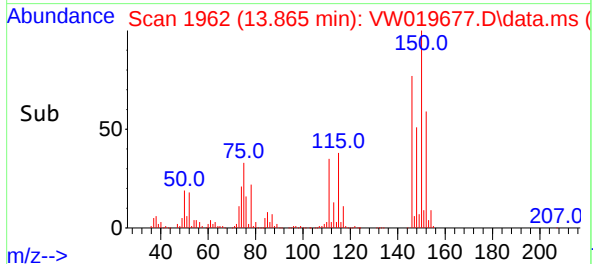
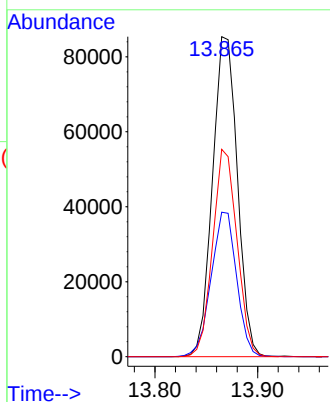
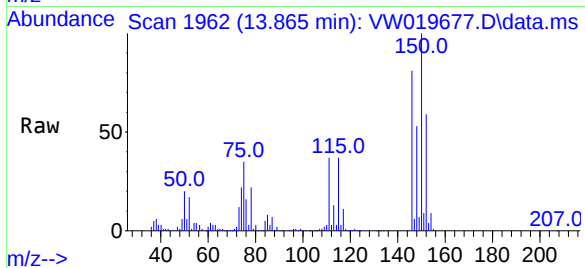




#67
1,2-Dichlorobenzene
Concen: 10.448 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Instrument :
MSVOA_W
ClientSampleId :
GB646

Tgt Ion:	146	Resp:	143499
Ion	Ratio	Lower	Upper
146	100		
111	45.1	33.2	49.8
148	64.8	50.4	75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 20.525 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW019677.D
Acq: 05 Aug 2021 12:34

Tgt Ion:	75	Resp:	24322
Ion	Ratio	Lower	Upper
75	100		
155	65.1	59.4	89.0
157	94.3	72.2	108.2

