

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083021\
 Data File : VW019932.D
 Acq On : 30 Aug 2021 11:23
 Operator : SY/VA
 Sample : M3579-17
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB6B9

Quant Time: Aug 31 01:02:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Aug 31 01:00:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	347848	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	318364	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	162900	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	105727	19.617	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.480%
7) Chloroethane-d5	2.892	69	95932	20.279	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.120%
11) 1,1-Dichloroethene-d2	4.032	63	191562	20.483	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.920%
21) 2-Butanone-d5	7.074	46	55281	50.497	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.000%
24) Chloroform-d	7.653	84	210437	21.998	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	8.305	65	117488	22.790	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.160%
32) Benzene-d6	8.281	84	425388	23.434	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.720%
36) 1,2-Dichloropropane-d6	9.275	67	128272	23.335	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.320%
41) Toluene-d8	10.323	98	375417	22.568	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.280%
43) trans-1,3-Dichloroprop...	10.579	79	55466	24.424	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.680%
47) 2-Hexanone-d5	10.921	63	39755	51.914	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.820%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	109268	24.423	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.680%
66) 1,2-Dichlorobenzene-d4	13.853	152	131960	23.616	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.221	50	81340	19.173	ug/L	99
6) Bromomethane	2.788	94	37837	8.104	ug/L	93
9) Trichlorofluoromethane	3.270	101	60611	14.978	ug/L	99
12) 1,1-Dichloroethene	4.044	96	100728	21.384	ug/L	97
13) Acetone	4.129	43	65777	70.385	ug/L	87
15) Methyl Acetate	4.672	43	77831	40.009	ug/L	98
16) Methylene chloride	4.922	84	69360	11.618	ug/L	94
17) trans-1,2-Dichloroethene	5.434	96	55566	11.229	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	206687	36.287	ug/L	96
20) cis-1,2-Dichloroethene	7.171	96	144740	28.899	ug/L	97
23) Bromochloromethane	7.519	128	37595	16.772	ug/L	91
27) 1,2-Dichloroethane	8.403	62	63396	10.709	ug/L	99
29) Cyclohexane	7.964	56	82375	11.018	ug/L	99
30) 1,1,1-Trichloroethane	7.878	97	79052	11.110	ug/L	98
31) Carbon tetrachloride	8.074	117	90506	13.645	ug/L	98
34) Trichloroethene	9.092	95	228301	44.945	ug/L	95
35) Methylcyclohexane	9.335	83	260440	29.892	ug/L	99
37) 1,2-Dichloropropane	9.372	63	69830	14.430	ug/L	99
38) Bromodichloromethane	9.646	83	137122	21.873	ug/L	95

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

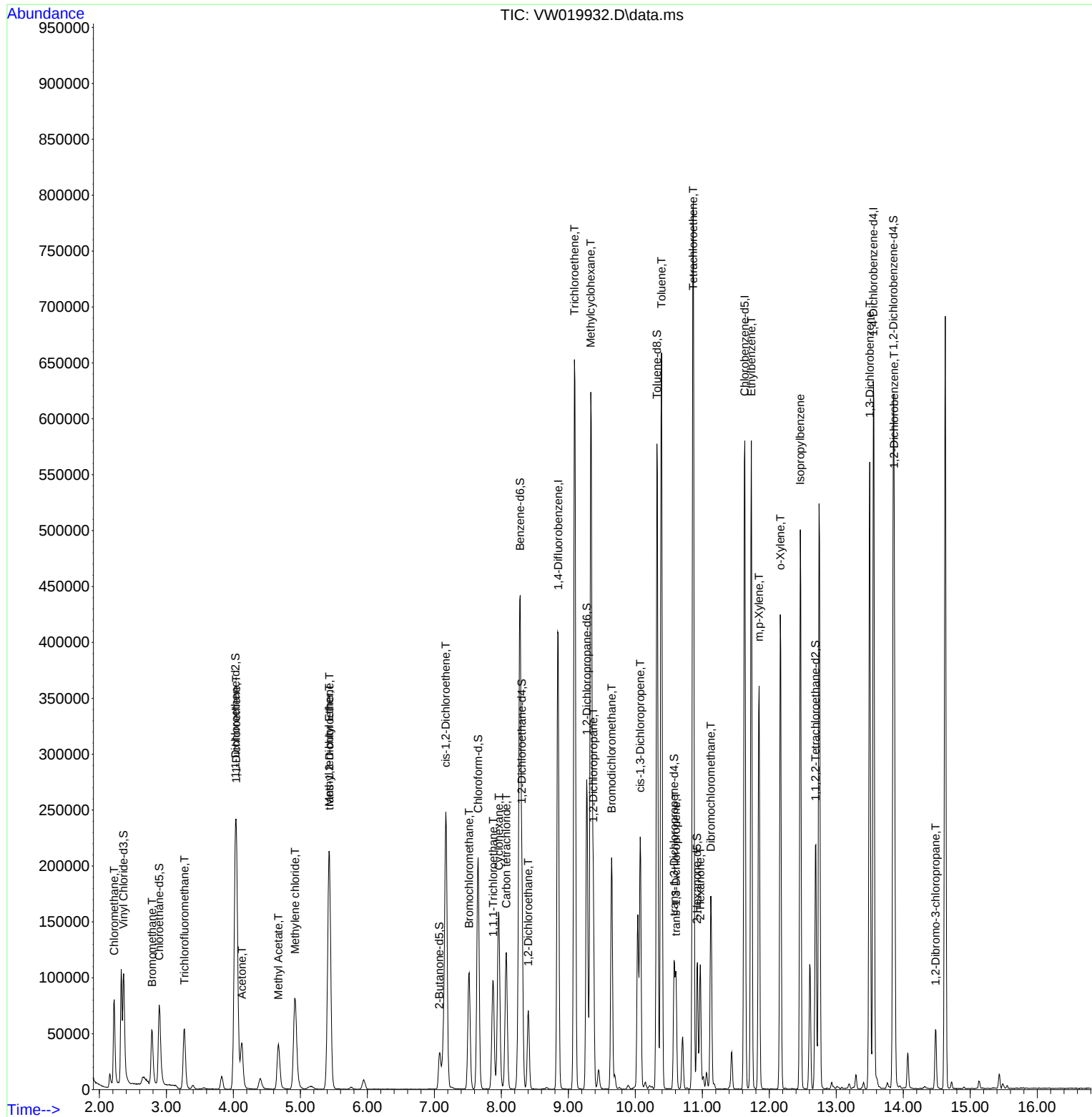
39) cis-1,3-Dichloropropene	10.073	75	130338	18.290	ug/L	99
42) Toluene	10.390	91	482079	23.291	ug/L	97
44) trans-1,3-Dichloropropene	10.610	75	54318	8.660	ug/L	99
46) Tetrachloroethene	10.866	164	179471	46.643	ug/L	98
48) 2-Hexanone	10.969	43	68881	38.454	ug/L	98
49) Dibromochloromethane	11.128	129	89778	22.402	ug/L	97
52) Ethylbenzene	11.731	91	386720	17.354	ug/L	98
53) m,p-Xylene	11.847	106	98661	11.529	ug/L	100
54) o-Xylene	12.164	106	112639	13.915	ug/L	98
60) Isopropylbenzene	12.463	105	305448	13.838	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	213000	21.645	ug/L	93
67) 1,2-Dichlorobenzene	13.865	146	102291	11.447	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	13775	19.785	ug/L	93

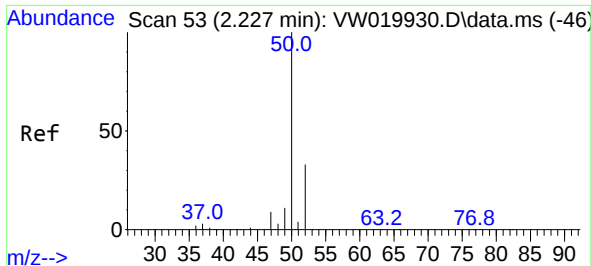
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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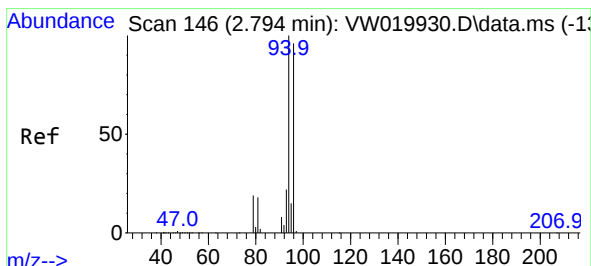
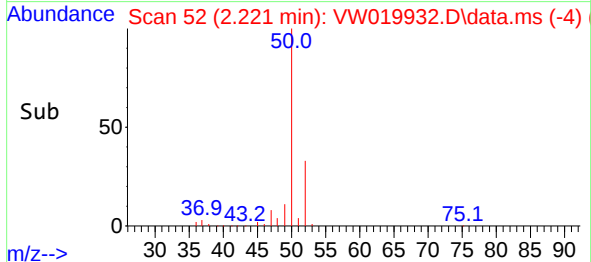
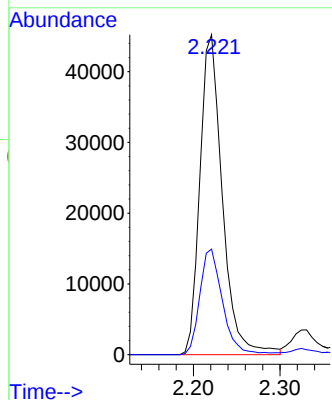
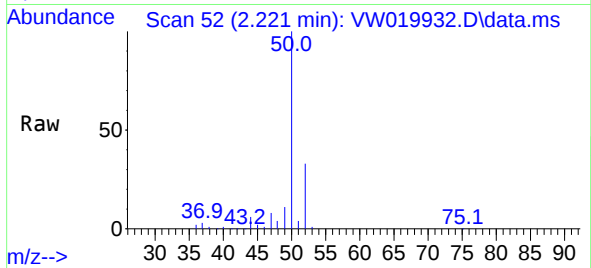




#3
Chloromethane
Concen: 19.173 ug/L
RT: 2.221 min Scan# 52
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

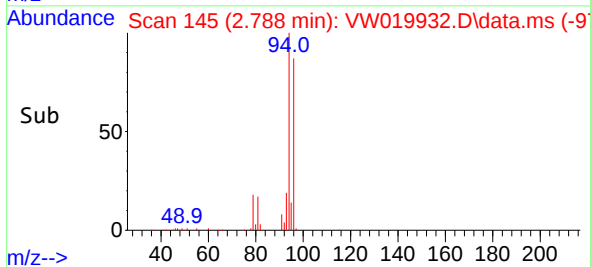
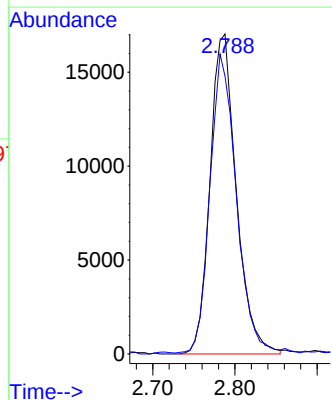
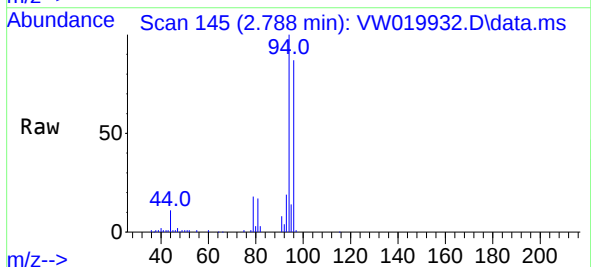
Instrument :
MSVOA_W
ClientSampled :
GB6B9

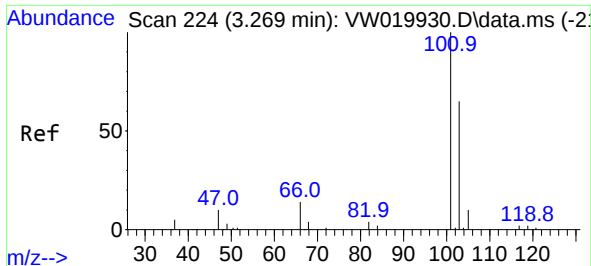
Tgt Ion: 50 Resp: 81340
Ion Ratio Lower Upper
50 100
52 33.0 22.5 41.9



#6
Bromomethane
Concen: 8.104 ug/L
RT: 2.788 min Scan# 145
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 94 Resp: 37837
Ion Ratio Lower Upper
94 100
96 86.8 65.3 121.3

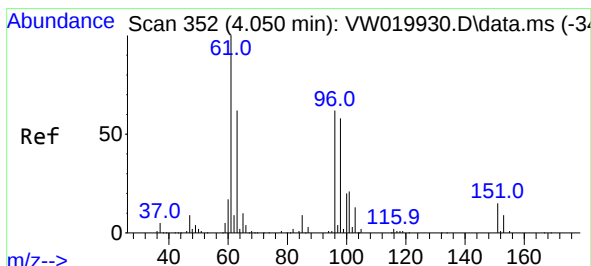
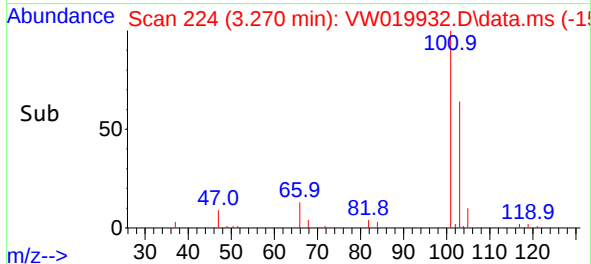
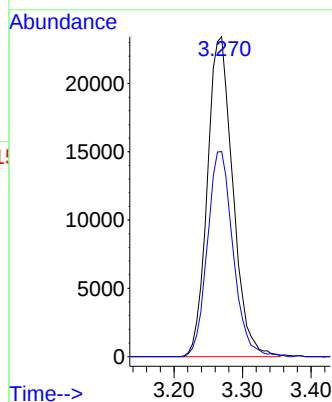
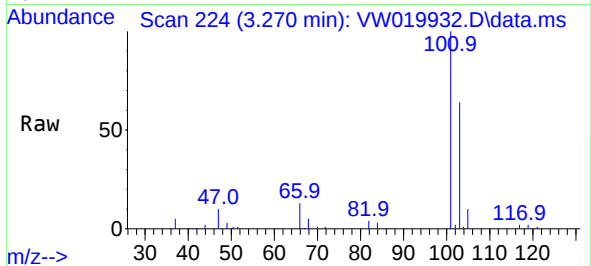




#9
 Trichlorofluoromethane
 Concen: 14.978 ug/L
 RT: 3.270 min Scan# 224
 Delta R.T. 0.000 min
 Lab File: VW019932.D
 Acq: 30 Aug 2021 11:23

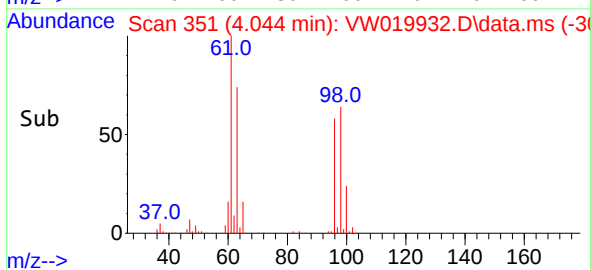
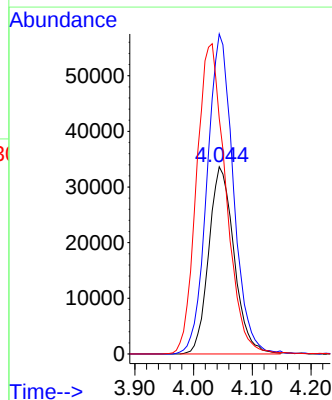
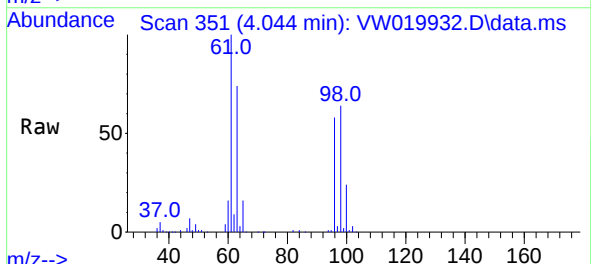
Instrument :
 MSVOA_W
 ClientSampled :
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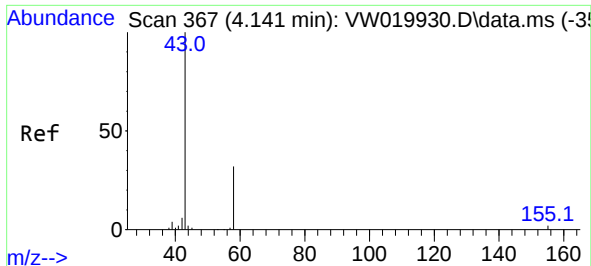
Tgt Ion:101 Resp: 60611
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.0 76.4



#12
 1,1-Dichloroethene
 Concen: 21.384 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW019932.D
 Acq: 30 Aug 2021 11:23

Tgt Ion: 96 Resp: 100728
 Ion Ratio Lower Upper
 96 100
 61 171.0 118.1 219.3
 63 125.8 83.7 155.5

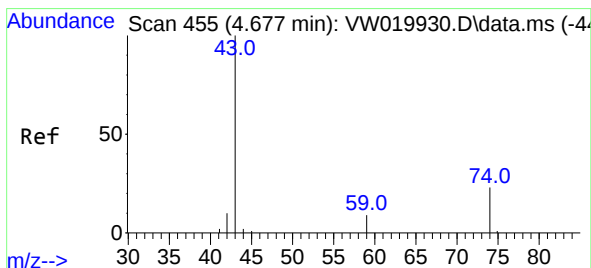
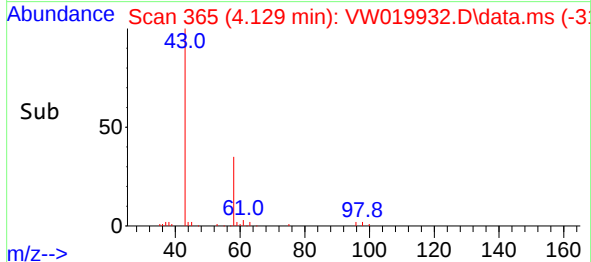
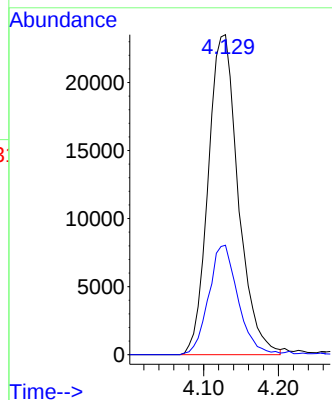
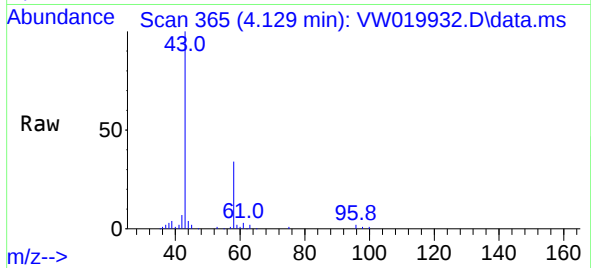




#13
Acetone
Concen: 70.385 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.012 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

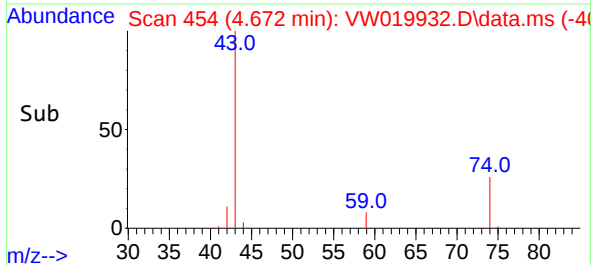
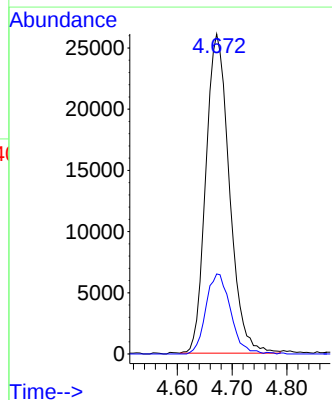
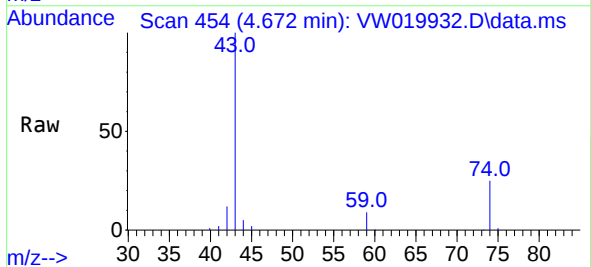
Instrument :
MSVOA_W
ClientSampled :
GB6B9

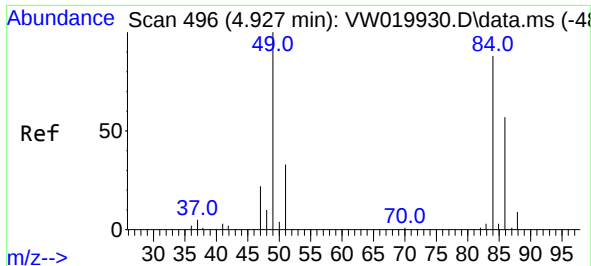
Tgt Ion: 43 Resp: 65777
Ion Ratio Lower Upper
43 100
58 33.4 0.0 53.8



#15
Methyl Acetate
Concen: 40.009 ug/L
RT: 4.672 min Scan# 454
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 43 Resp: 77831
Ion Ratio Lower Upper
43 100
74 25.9 20.0 30.0

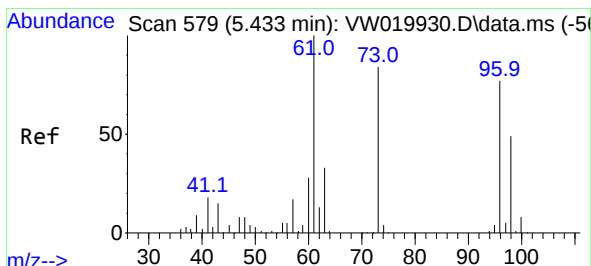
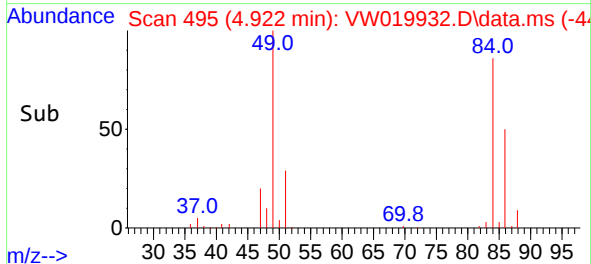
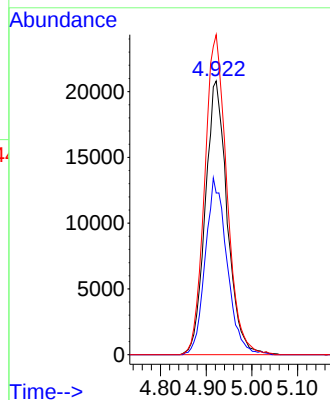
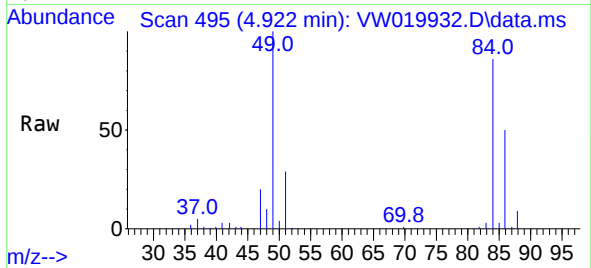




#16
Methylene chloride
Concen: 11.618 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

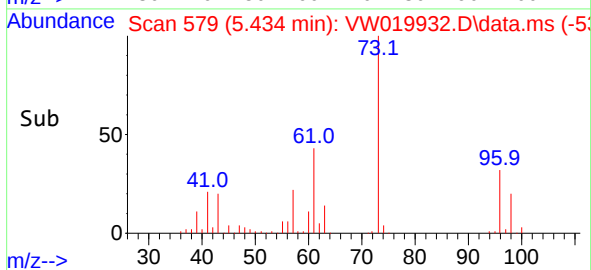
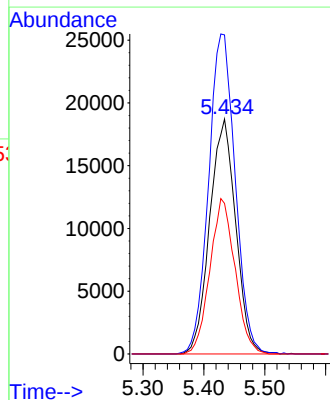
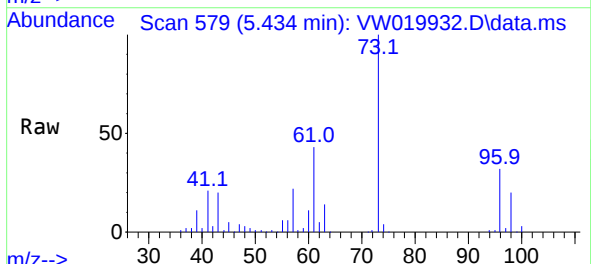
Instrument :
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ClientSampled :
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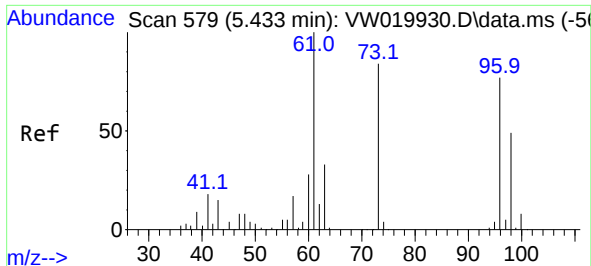
Tgt Ion: 84 Resp: 69360
Ion Ratio Lower Upper
84 100
86 59.0 45.3 84.1
49 116.9 86.6 160.8



#17
trans-1,2-Dichloroethene
Concen: 11.229 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 96 Resp: 55566
Ion Ratio Lower Upper
96 100
61 135.8 98.3 182.7
98 64.1 46.1 85.7

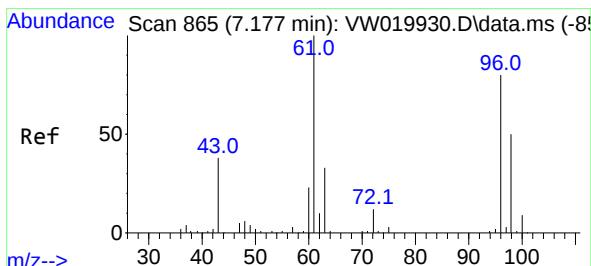
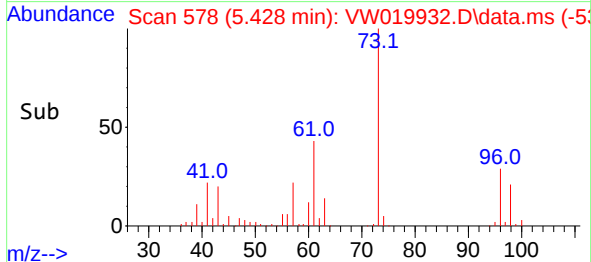
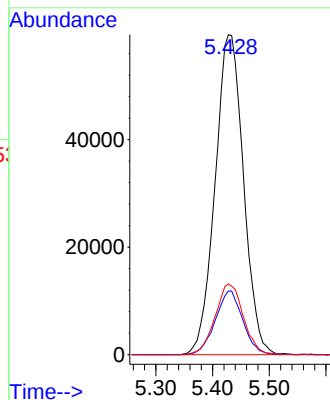
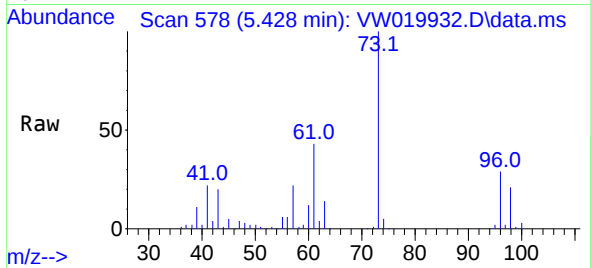




#18
Methyl tert-butyl Ether
Concen: 36.287 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW019932.D
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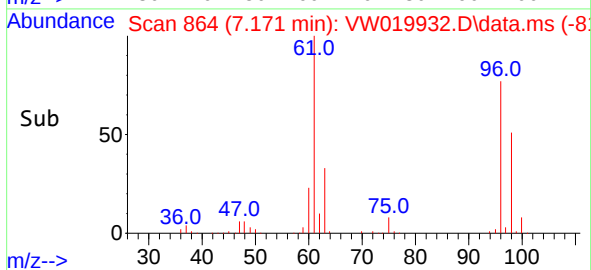
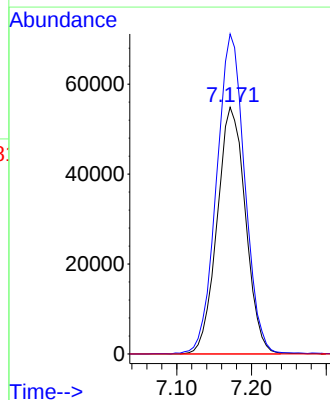
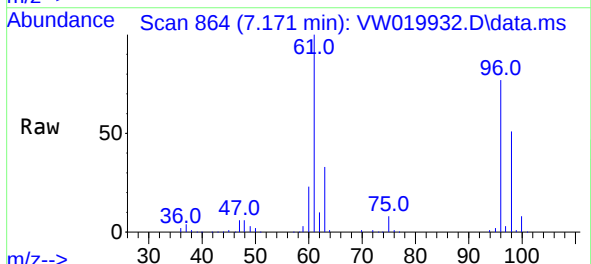
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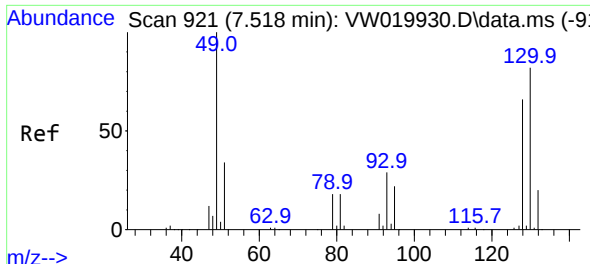
Tgt Ion: 73 Resp: 206687
Ion Ratio Lower Upper
73 100
43 19.3 17.7 26.5
57 22.0 17.0 25.4



#20
cis-1,2-Dichloroethene
Concen: 28.899 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 96 Resp: 144740
Ion Ratio Lower Upper
96 100
61 129.7 88.5 164.3
68 0.0 0.0 0.0

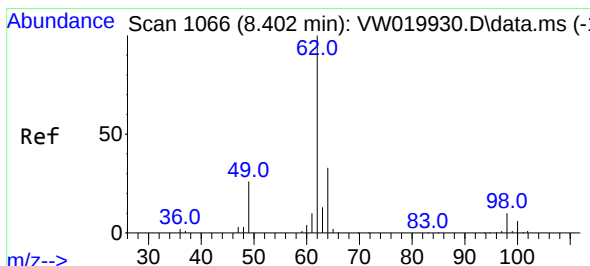
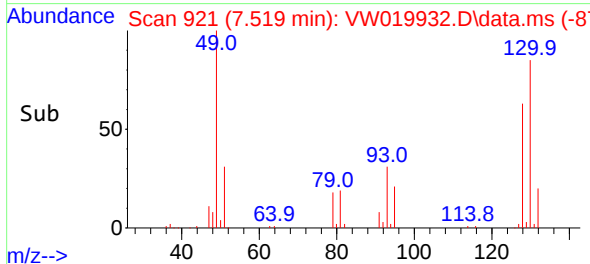
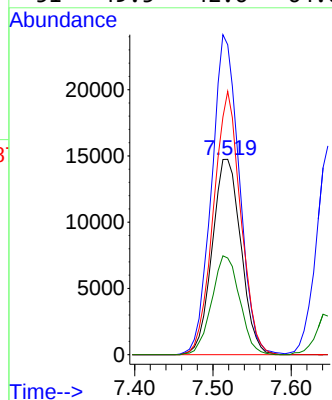
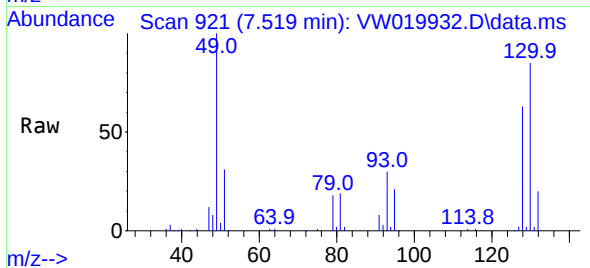




#23
Bromochloromethane
Concen: 16.772 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.000 min
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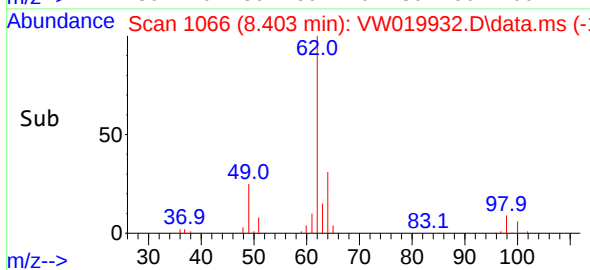
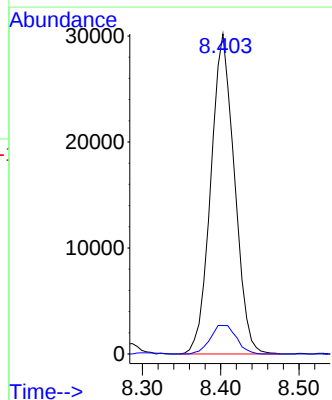
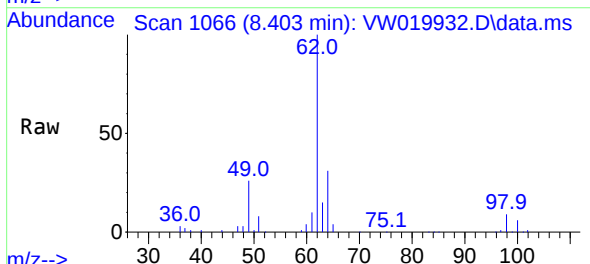
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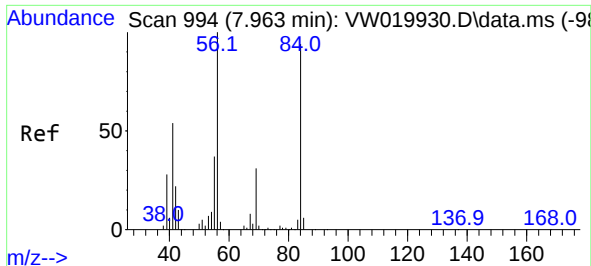
Tgt Ion:128 Resp: 37595
Ion Ratio Lower Upper
128 100
49 158.7 116.3 215.9
130 134.8 82.4 153.0
51 49.5 42.6 64.0



#27
1,2-Dichloroethane
Concen: 10.709 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

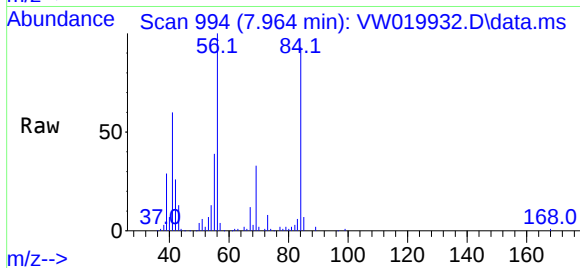
Tgt Ion: 62 Resp: 63396
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3



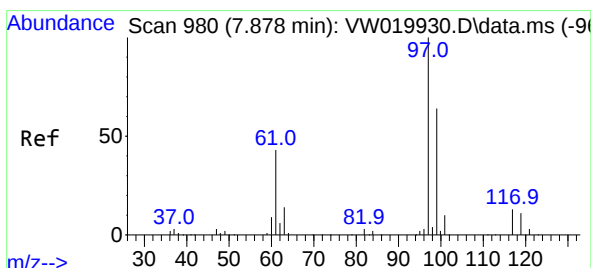
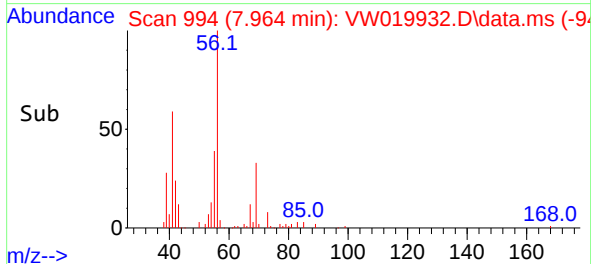
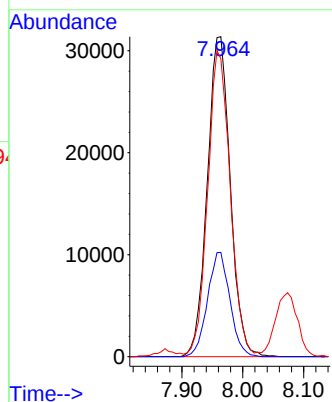


#29
Cyclohexane
Concen: 11.018 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Instrument :
MSVOA_W
ClientSampled :
GB6B9

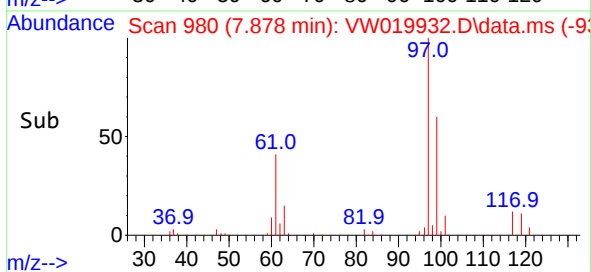
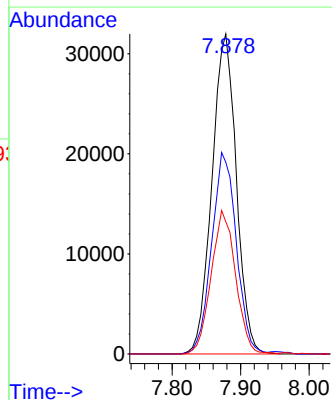
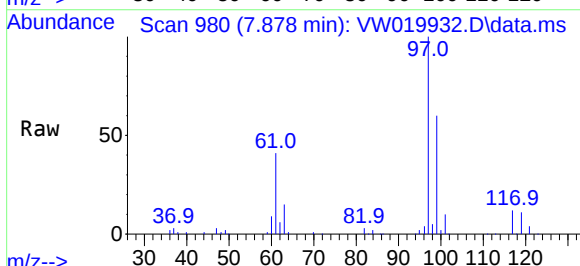


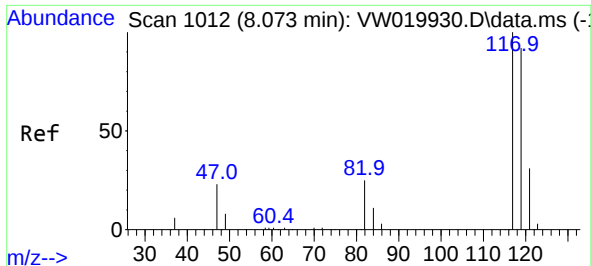
Tgt Ion:	56	Resp:	82375
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.5	36.7
84	93.6	75.0	112.4



#30
1,1,1-Trichloroethane
Concen: 11.110 ug/L
RT: 7.878 min Scan# 980
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion:	97	Resp:	79052
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	45.0	37.8	56.6

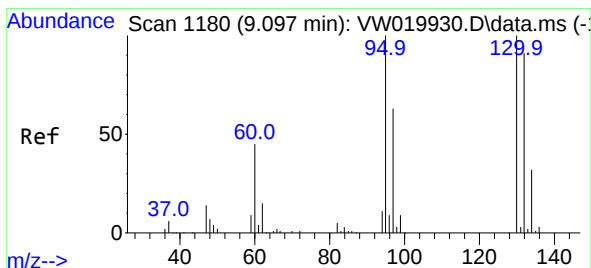
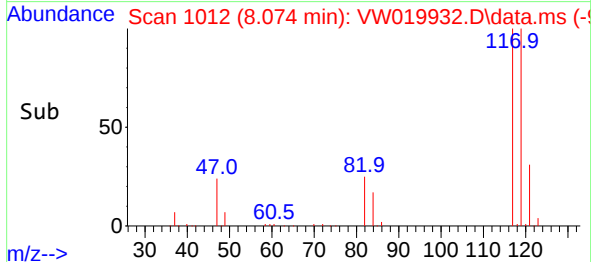
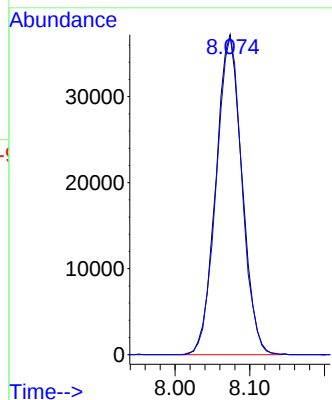
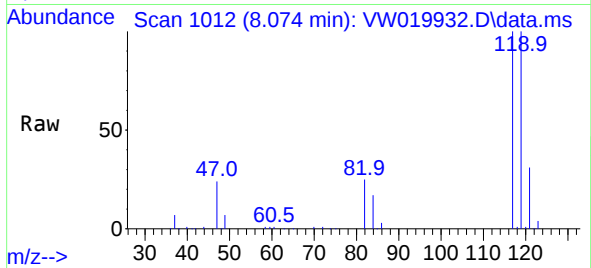




#31
Carbon tetrachloride
Concen: 13.645 ug/L
RT: 8.074 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

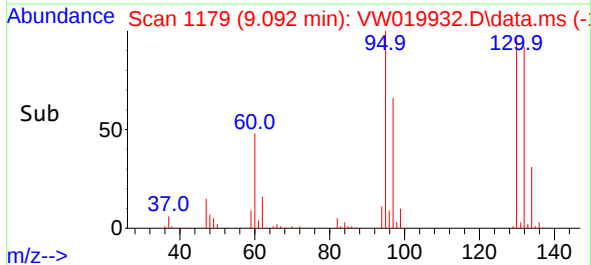
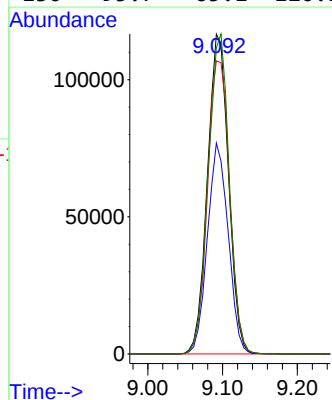
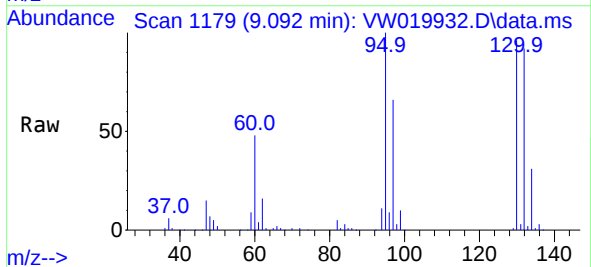
Instrument :
MSVOA_W
ClientSampled :
GB6B9

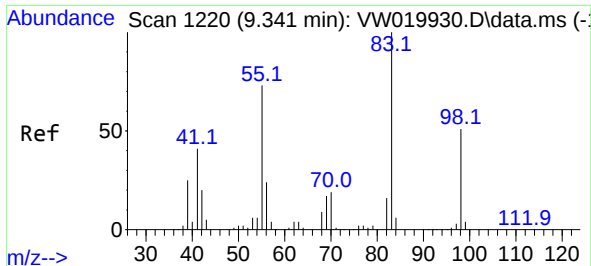
Tgt Ion:117 Resp: 90506
Ion Ratio Lower Upper
117 100
119 97.7 76.5 114.7



#34
Trichloroethene
Concen: 44.945 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 95 Resp: 228301
Ion Ratio Lower Upper
95 100
97 65.9 47.3 87.8
132 91.6 71.0 131.8
130 95.7 65.1 120.9

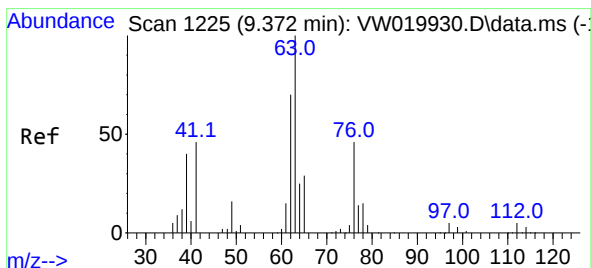
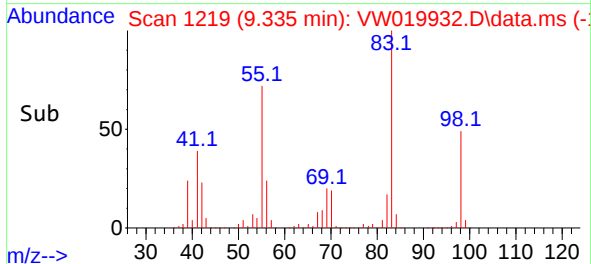
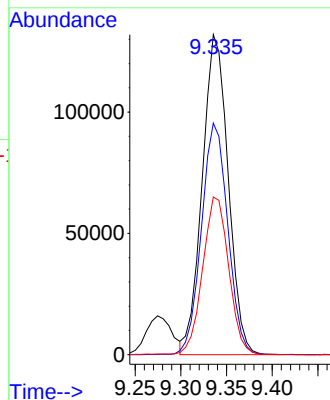
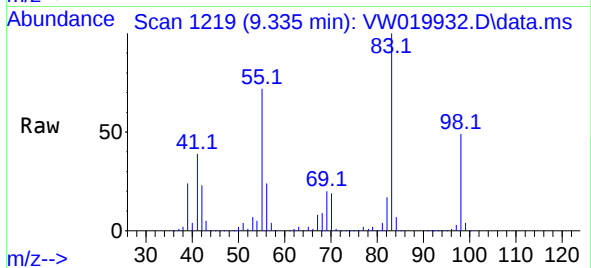




#35
Methylcyclohexane
Concen: 29.892 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

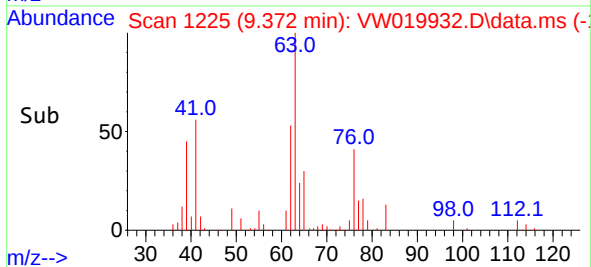
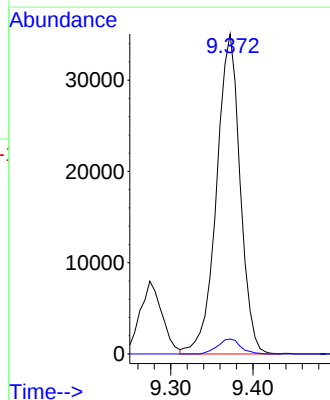
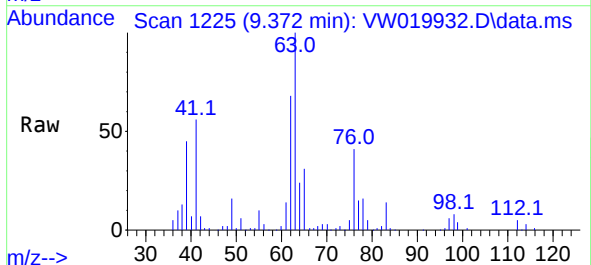
Instrument :
MSVOA_W
ClientSampleId :
GB6B9

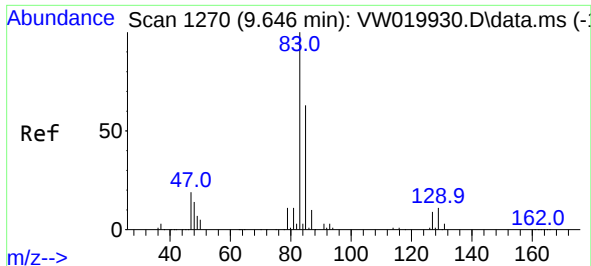
Tgt Ion: 83 Resp: 260440
Ion Ratio Lower Upper
83 100
55 73.3 58.9 88.3
98 49.3 40.1 60.1



#37
1,2-Dichloropropane
Concen: 14.430 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 63 Resp: 69830
Ion Ratio Lower Upper
63 100
112 4.5 3.9 5.9

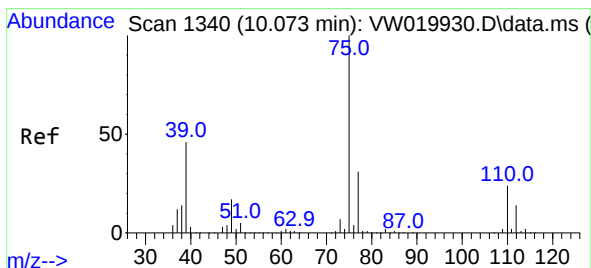
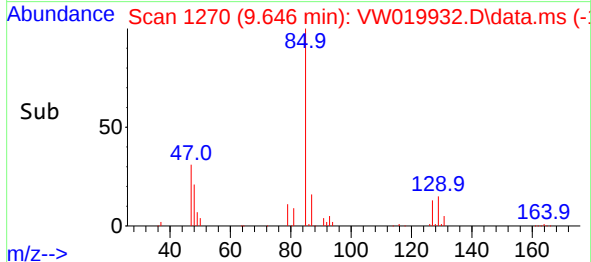
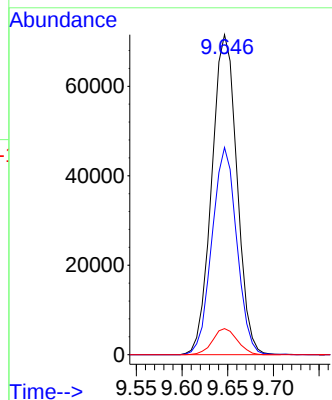
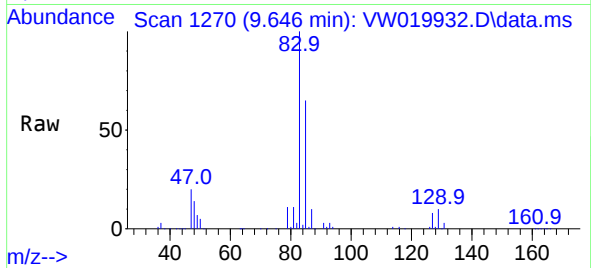




#38
Bromodichloromethane
Concen: 21.873 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

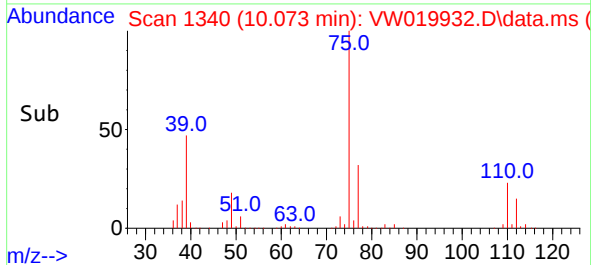
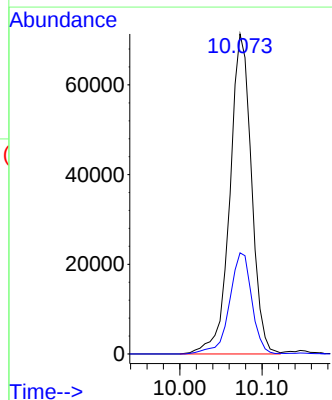
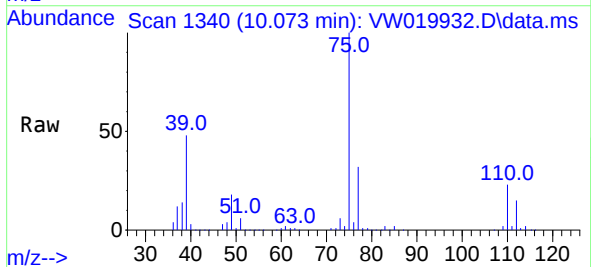
Instrument :
MSVOA_W
ClientSampled :
GB6B9

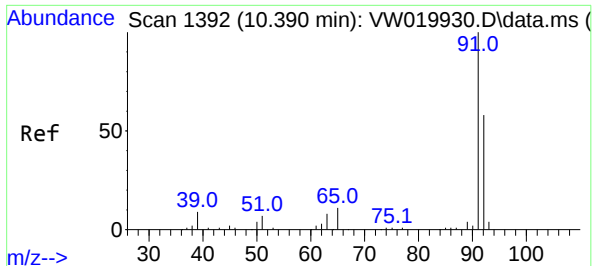
Tgt Ion: 83 Resp: 137122
Ion Ratio Lower Upper
83 100
85 64.7 42.3 78.5
127 8.2 6.6 9.8



#39
cis-1,3-Dichloropropene
Concen: 18.290 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 75 Resp: 130338
Ion Ratio Lower Upper
75 100
77 31.6 22.6 42.0

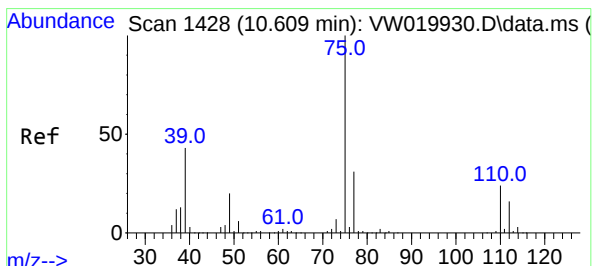
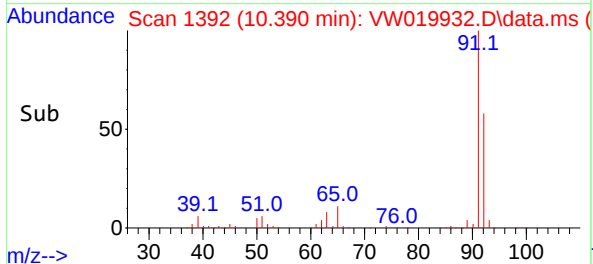
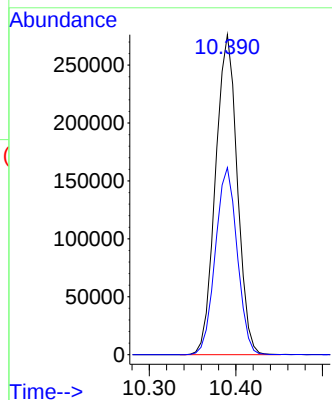
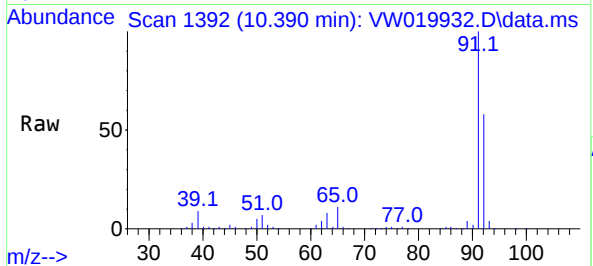




#42
Toluene
Concen: 23.291 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

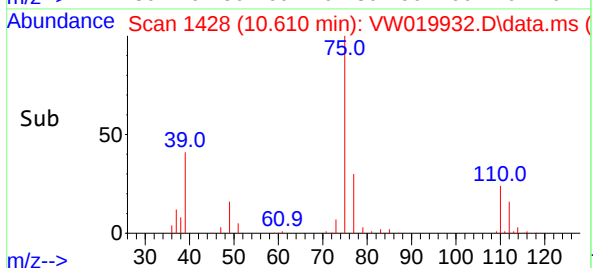
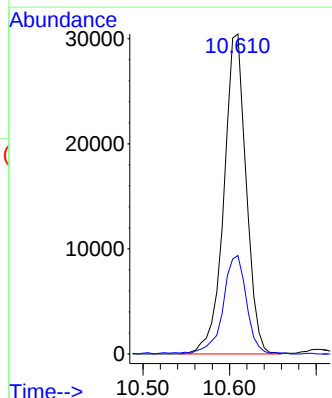
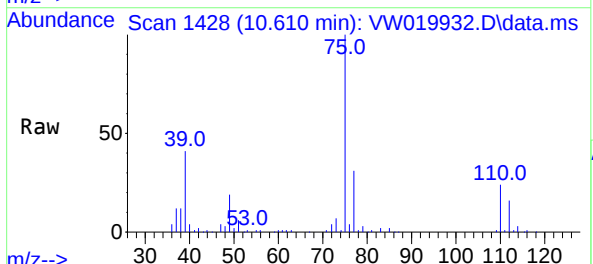
Instrument :
MSVOA_W
ClientSampled :
GB6B9

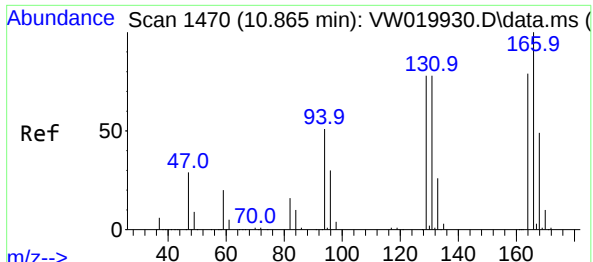
Tgt Ion: 91 Resp: 482079
Ion Ratio Lower Upper
91 100
92 58.4 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 8.660 ug/L
RT: 10.610 min Scan# 1428
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 75 Resp: 54318
Ion Ratio Lower Upper
75 100
77 30.7 21.1 39.1

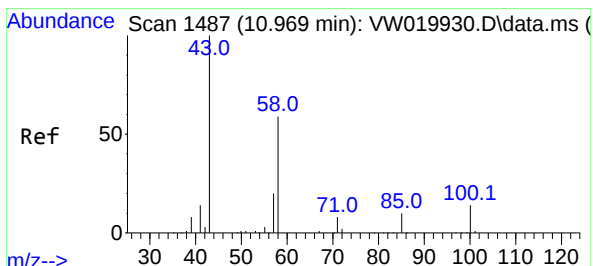
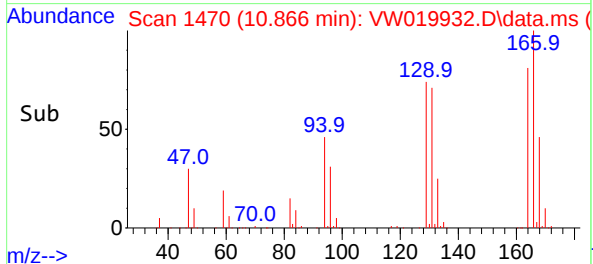
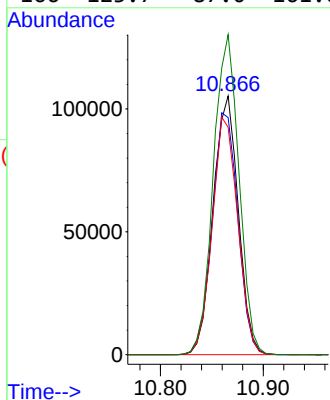
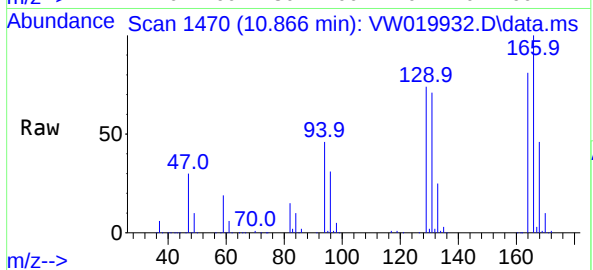




#46
Tetrachloroethene
Concen: 46.643 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

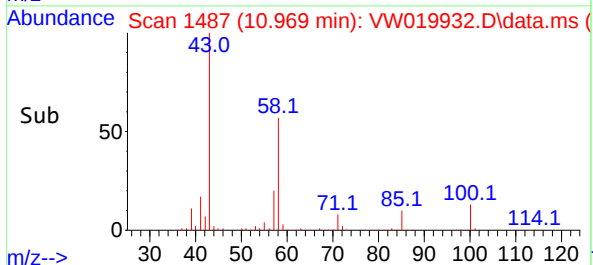
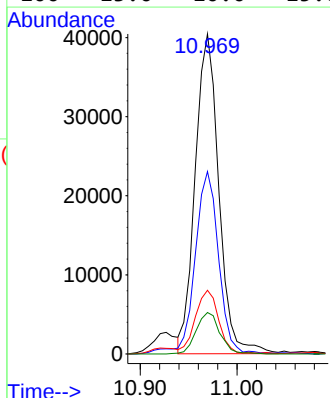
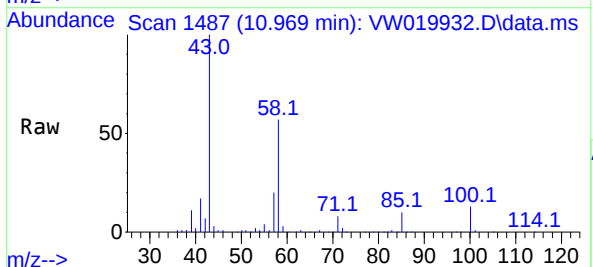
Instrument :
MSVOA_W
ClientSampled :
GB6B9

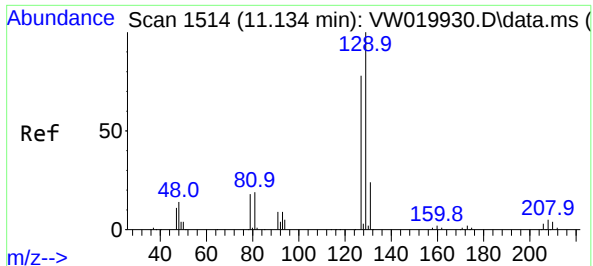
Tgt Ion:164 Resp: 179471
Ion Ratio Lower Upper
164 100
129 91.6 66.7 123.9
131 87.9 61.1 113.5
166 123.7 87.0 161.6



#48
2-Hexanone
Concen: 38.454 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 43 Resp: 68881
Ion Ratio Lower Upper
43 100
58 55.1 42.7 64.1
57 19.6 15.8 23.8
100 13.0 10.0 15.0





#49

Dibromochloromethane

Concen: 22.402 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.006 min

Lab File: VW019932.D

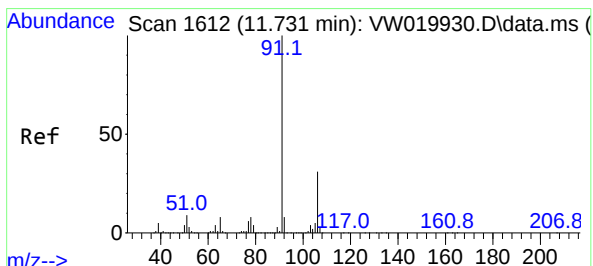
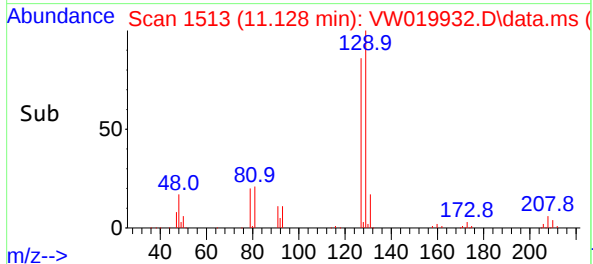
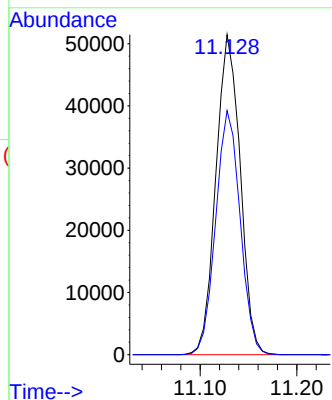
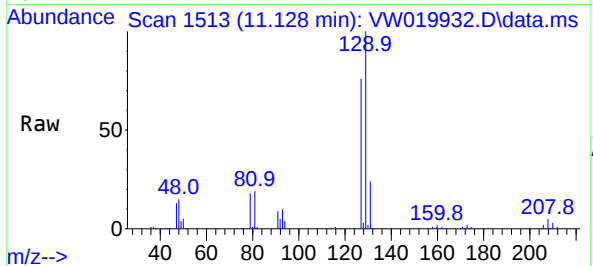
Acq: 30 Aug 2021 11:23

Tgt Ion:129 Resp: 89778

Ion Ratio Lower Upper

129 100

127 76.3 51.7 95.9



#52

Ethylbenzene

Concen: 17.354 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW019932.D

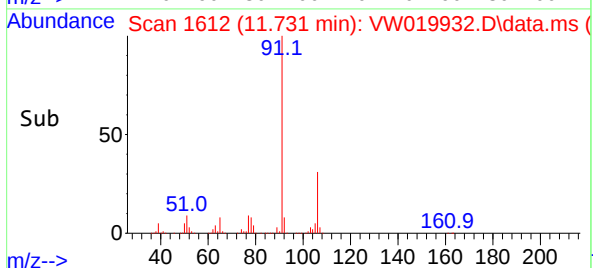
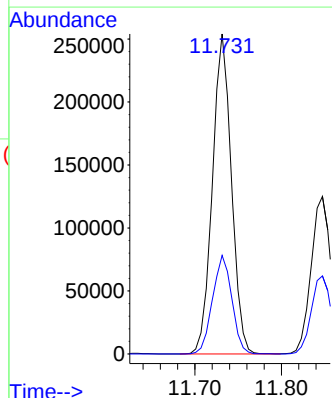
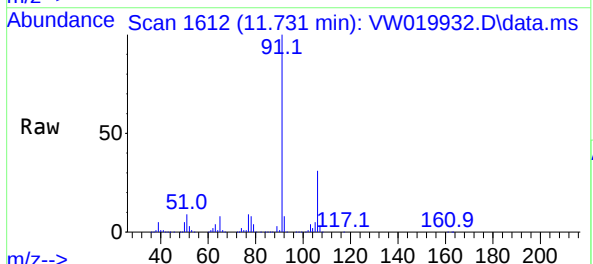
Acq: 30 Aug 2021 11:23

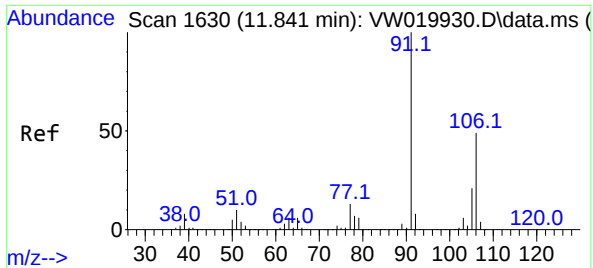
Tgt Ion: 91 Resp: 386720

Ion Ratio Lower Upper

91 100

106 30.8 22.5 41.7

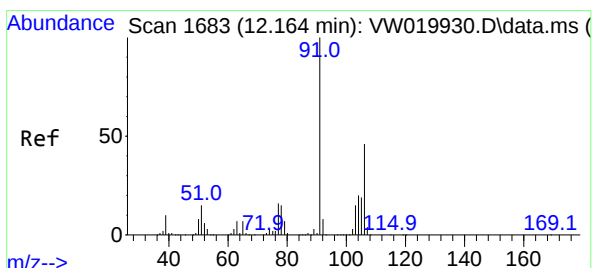
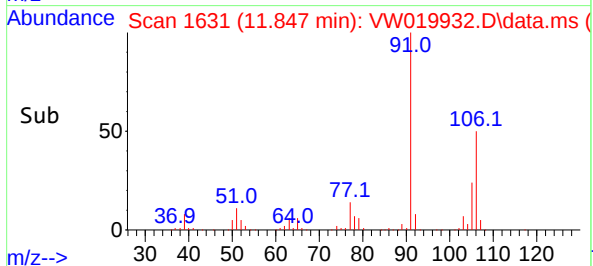
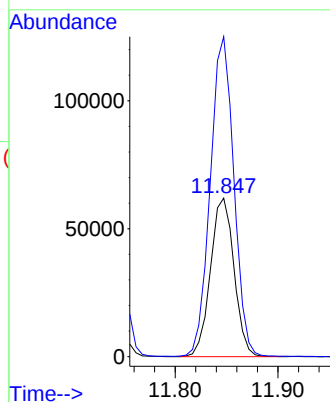
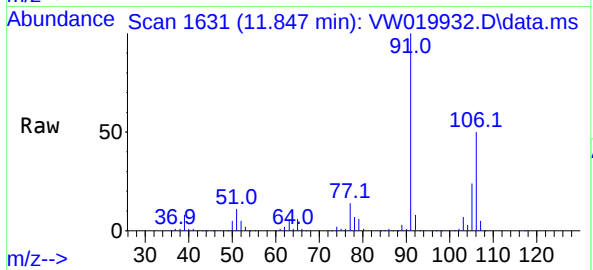




#53
m,p-Xylene
Concen: 11.529 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

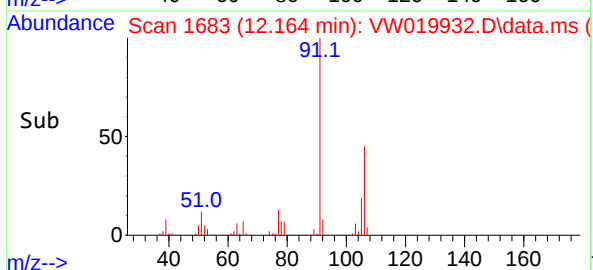
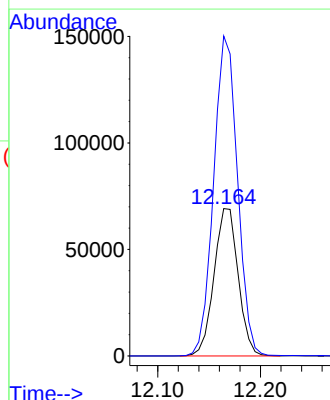
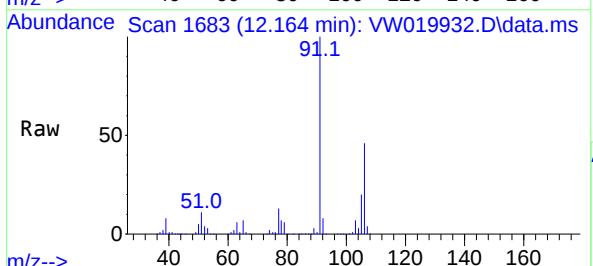
Instrument :
MSVOA_W
ClientSampled :
GB6B9

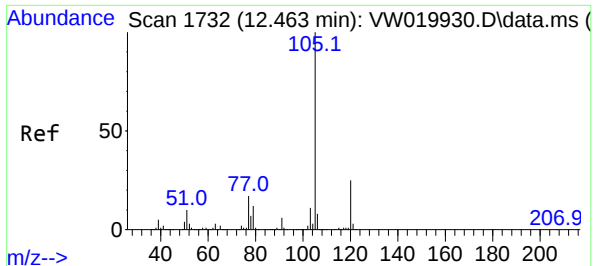
Tgt Ion:106 Resp: 98661
Ion Ratio Lower Upper
106 100
91 201.9 141.3 262.3



#54
o-Xylene
Concen: 13.915 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

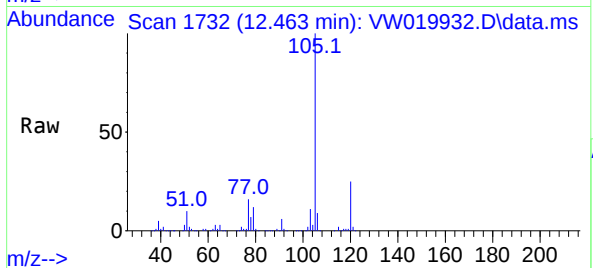
Tgt Ion:106 Resp: 112639
Ion Ratio Lower Upper
106 100
91 217.2 150.0 278.6



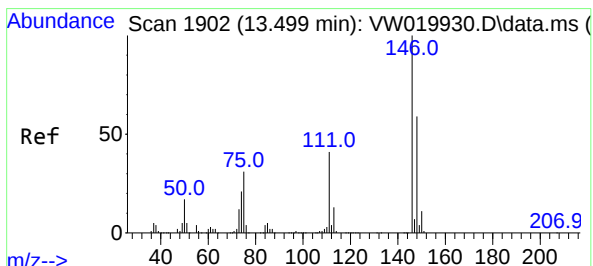
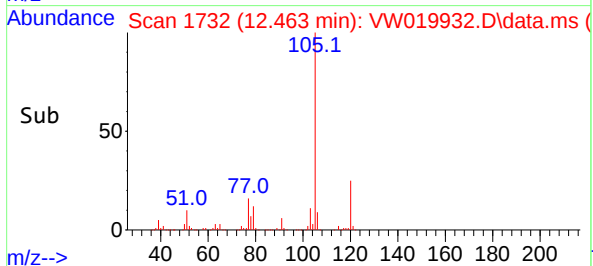
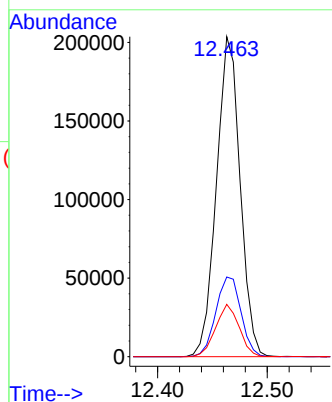


#60
Isopropylbenzene
Concen: 13.838 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Instrument :
MSVOA_W
ClientSampled :
GB6B9

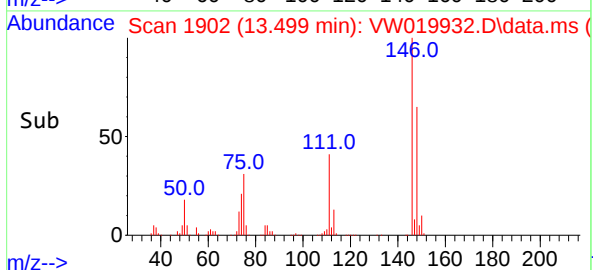
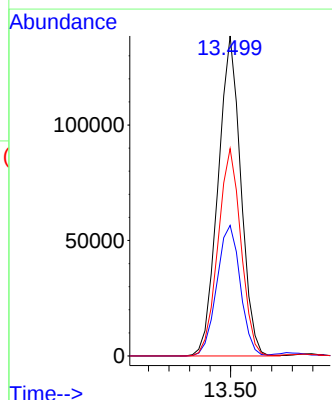
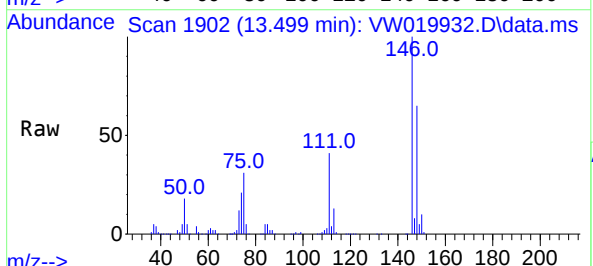


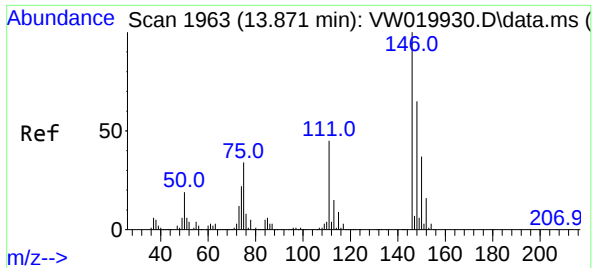
Tgt Ion:105 Resp: 305448
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 16.3 13.2 19.8



#64
1,3-Dichlorobenzene
Concen: 21.645 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion:146 Resp: 213000
Ion Ratio Lower Upper
146 100
111 40.8 26.7 49.7
148 64.8 41.1 76.3

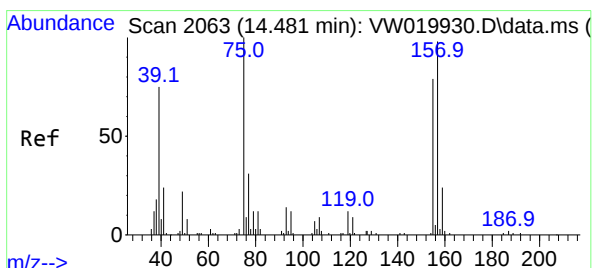
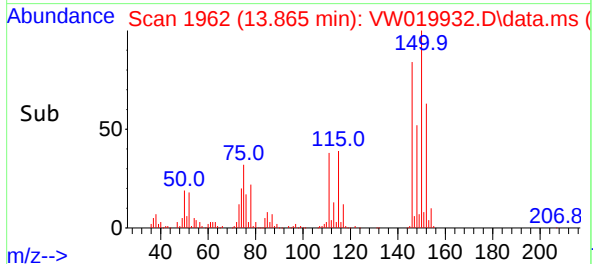
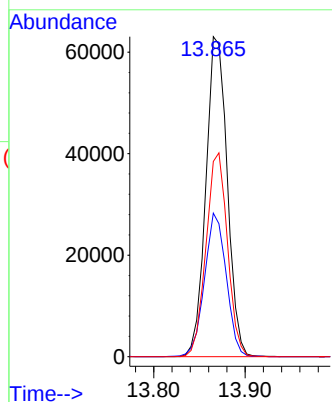
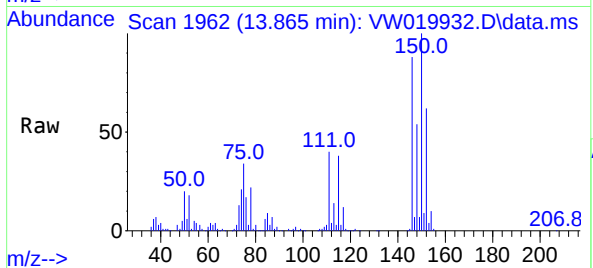




#67
1,2-Dichlorobenzene
Concen: 11.447 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Instrument :
MSVOA_W
ClientSampled :
GB6B9

Tgt Ion:146 Resp: 102291
Ion Ratio Lower Upper
146 100
111 44.8 33.2 49.8
148 61.0 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 19.785 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW019932.D
Acq: 30 Aug 2021 11:23

Tgt Ion: 75 Resp: 13775
Ion Ratio Lower Upper
75 100
155 69.4 59.4 89.0
157 83.0 72.2 108.2

