

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019733.D
 Acq On : 13 Aug 2021 13:29
 Operator : SY/VA
 Sample : M3395-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 X3628

Quant Time: Aug 14 01:18:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	355264	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	325170	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	169943	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	83444	20.114	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.440%		
7) Chloroethane-d5	2.892	69	97806	23.853	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.400%		
11) 1,1-Dichloroethene-d2	4.025	63	169892	19.903	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	79.600%		
21) 2-Butanone-d5	7.080	46	71891	53.062	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.120%		
24) Chloroform-d	7.647	84	216899	20.195	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	80.760%		
26) 1,2-Dichloroethane-d4	8.305	65	126369	20.211	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	80.840%		
32) Benzene-d6	8.275	84	398757	18.521	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	74.080%		
36) 1,2-Dichloropropane-d6	9.274	67	130539	20.154	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	80.600%		
41) Toluene-d8	10.323	98	340405	17.333	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	69.320%		
43) trans-1,3-Dichloroprop...	10.579	79	56236	21.028	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	84.120%		
47) 2-Hexanone-d5	10.927	63	61193	53.855	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	107.700%		
56) 1,1,2,2-Tetrachloroeth...	12.695	84	126479	22.505	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	90.000%		
66) 1,2-Dichlorobenzene-d4	13.853	152	137937	22.007	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	88.040%		
Target Compounds						Qvalue
3) Chloromethane	2.221	50	92590	23.528	ug/L	100
6) Bromomethane	2.782	94	41261	9.934	ug/L	99
9) Trichlorofluoromethane	3.263	101	65052	19.819	ug/L	99
12) 1,1-Dichloroethene	4.044	96	97108	22.811	ug/L	97
13) Acetone	4.129	43	74139	66.574	ug/L	89
15) Methyl Acetate	4.672	43	94455	45.352	ug/L	99
16) Methylene chloride	4.922	84	65852	11.092	ug/L	99
17) trans-1,2-Dichloroethene	5.428	96	55262	11.876	ug/L	96
18) Methyl tert-butyl Ether	5.428	73	208698	30.867	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	146409	27.763	ug/L	98
23) Bromochloromethane	7.519	128	38876	15.932	ug/L	94
27) 1,2-Dichloroethane	8.397	62	69843	9.982	ug/L	100
29) Cyclohexane	7.958	56	81322	10.092	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	78415	9.419	ug/L	99
31) Carbon tetrachloride	8.067	117	92006	11.975	ug/L	99
34) Trichloroethene	9.092	95	232873	41.681	ug/L	94
35) Methylcyclohexane	9.335	83	255156	27.598	ug/L	99
37) 1,2-Dichloropropane	9.372	63	71246	12.651	ug/L	99
38) Bromodichloromethane	9.646	83	144740	20.290	ug/L	97

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

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

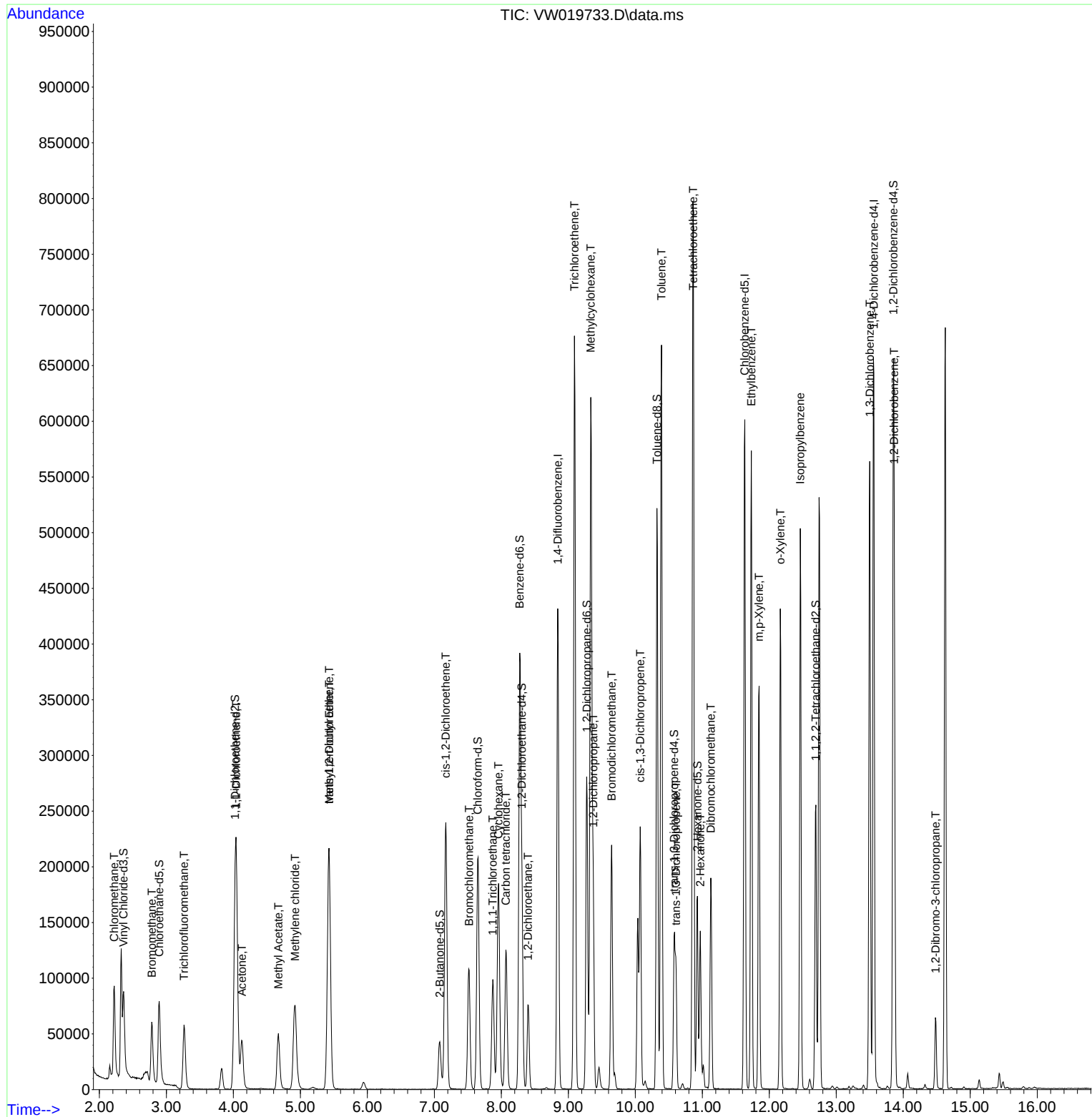
39) cis-1,3-Dichloropropene	10.073	75	136314	15.864	ug/L	99
42) Toluene	10.390	91	482297	20.386	ug/L	98
44) trans-1,3-Dichloropropene	10.610	75	58341	7.753	ug/L	94
46) Tetrachloroethene	10.866	164	175213	41.708	ug/L	97
48) 2-Hexanone	10.969	43	84033	35.293	ug/L	98
49) Dibromochloromethane	11.128	129	95373	20.665	ug/L	89
52) Ethylbenzene	11.731	91	387525	15.629	ug/L	99
53) m,p-Xylene	11.847	106	99085	10.496	ug/L	98
54) o-Xylene	12.164	106	112598	12.360	ug/L	97
60) Isopropylbenzene	12.463	105	302802	13.029	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	228314	20.287	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	104465	10.575	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	15980	21.308	ug/L	99

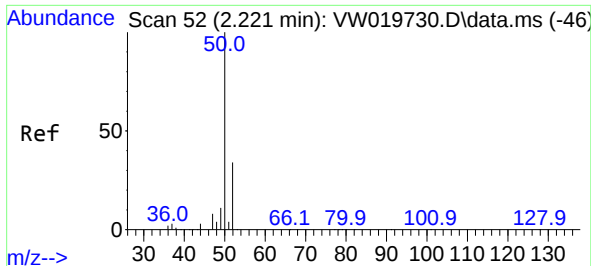
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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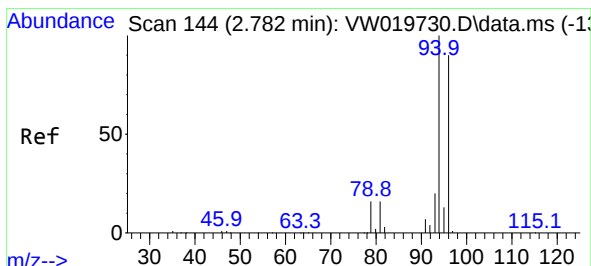
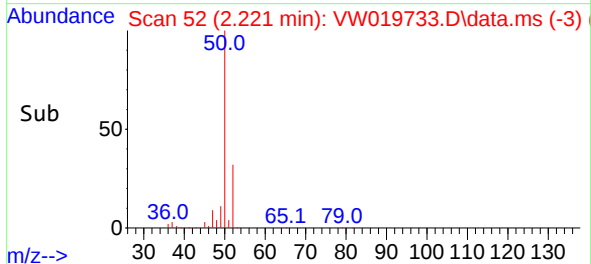
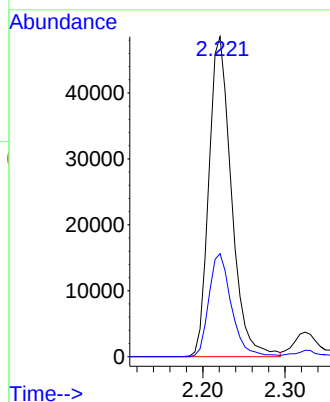
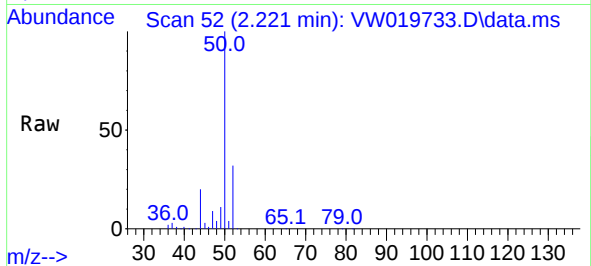




#3
Chloromethane
Concen: 23.528 ug/L
RT: 2.221 min Scan# 52
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

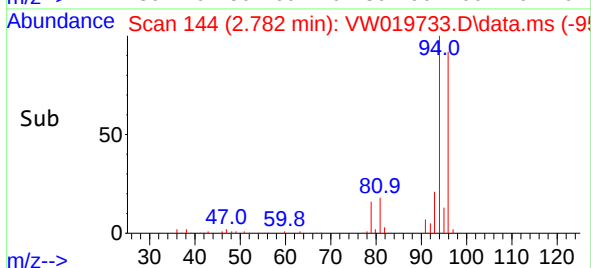
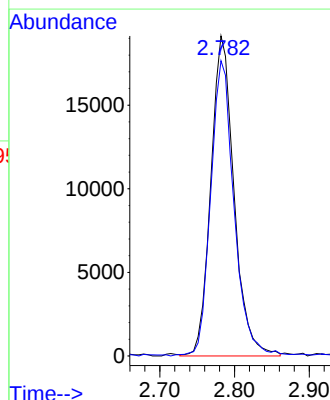
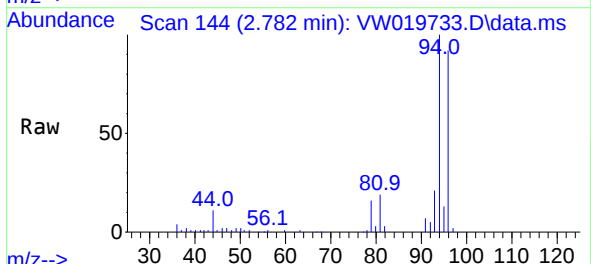
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ClientSampleId :
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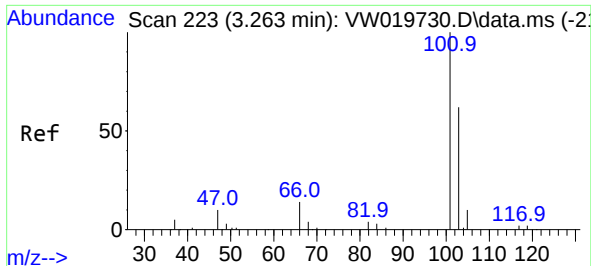
Tgt Ion: 50 Resp: 92590
Ion Ratio Lower Upper
50 100
52 32.2 22.5 41.9



#6
Bromomethane
Concen: 9.934 ug/L
RT: 2.782 min Scan# 144
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 94 Resp: 41261
Ion Ratio Lower Upper
94 100
96 92.2 65.3 121.3

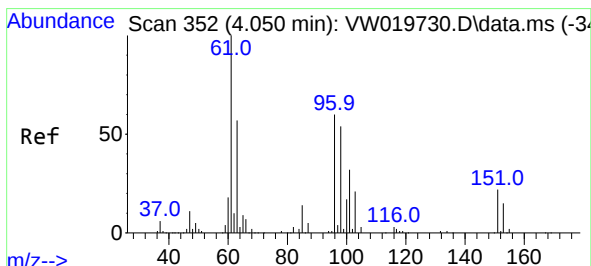
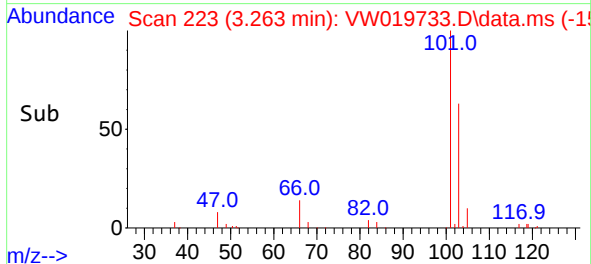
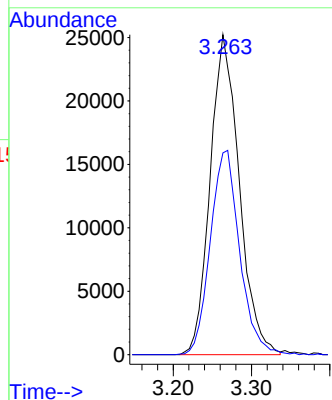
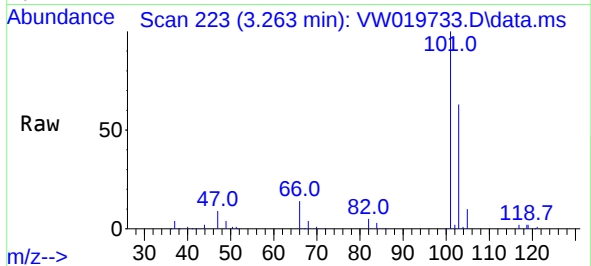




#9
 Trichlorofluoromethane
 Concen: 19.819 ug/L
 RT: 3.263 min Scan# 223
 Delta R.T. 0.000 min
 Lab File: VW019733.D
 Acq: 13 Aug 2021 13:29

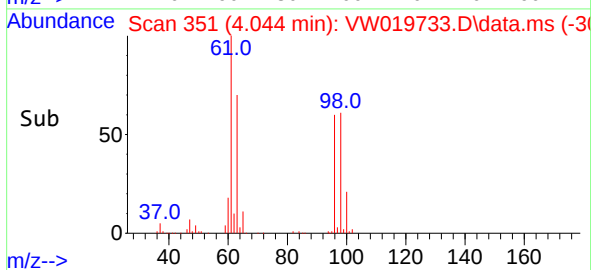
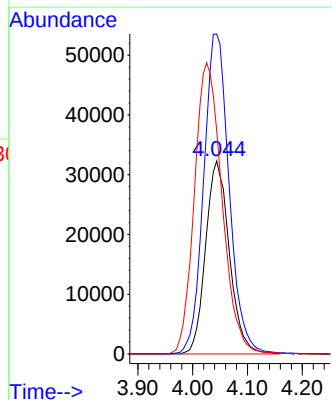
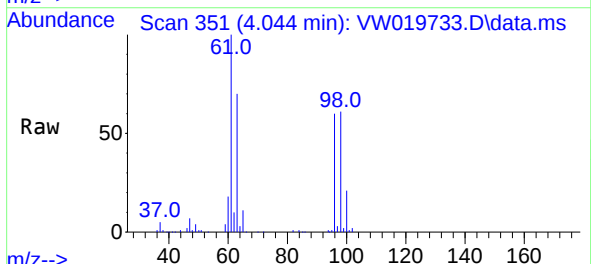
Instrument :
 MSVOA_W
 ClientSampled :
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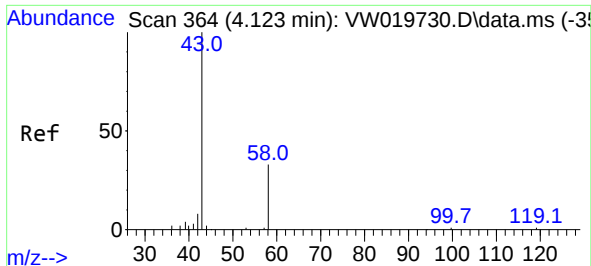
Tgt Ion:101 Resp: 65052
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.4



#12
 1,1-Dichloroethene
 Concen: 22.811 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW019733.D
 Acq: 13 Aug 2021 13:29

Tgt Ion: 96 Resp: 97108
 Ion Ratio Lower Upper
 96 100
 61 165.9 118.1 219.3
 63 115.9 83.7 155.5

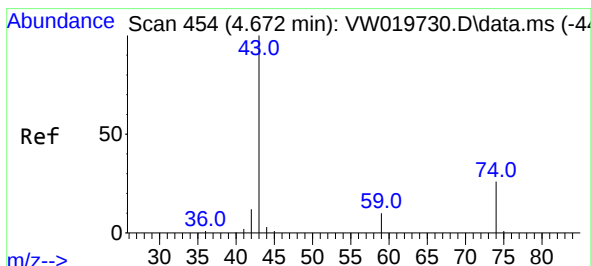
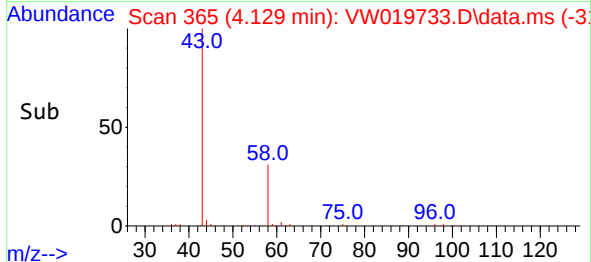
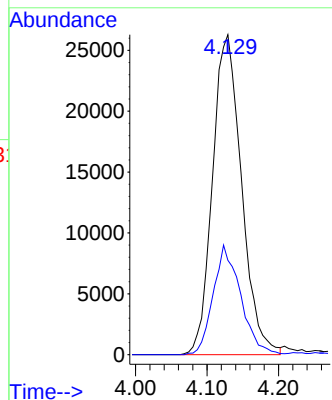
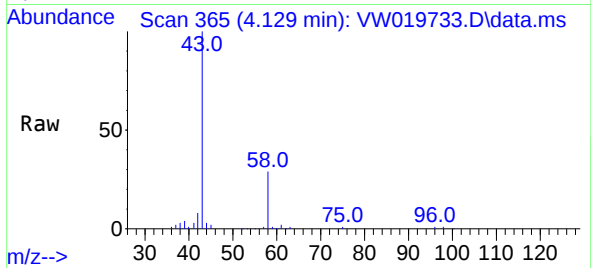




#13
Acetone
Concen: 66.574 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

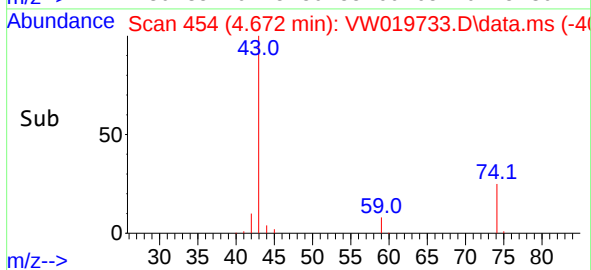
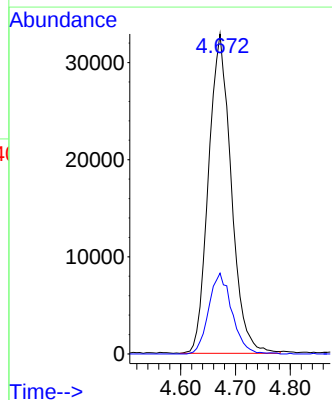
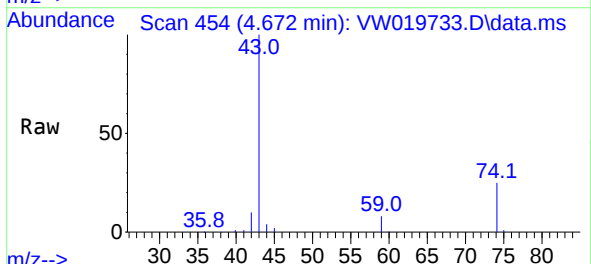
Instrument :
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ClientSampled :
X3628

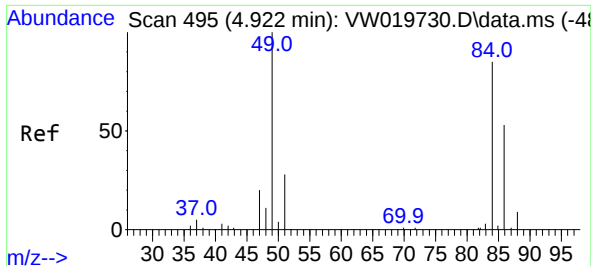
Tgt Ion: 43 Resp: 74139
Ion Ratio Lower Upper
43 100
58 32.4 0.0 53.8



#15
Methyl Acetate
Concen: 45.352 ug/L
RT: 4.672 min Scan# 454
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 43 Resp: 94455
Ion Ratio Lower Upper
43 100
74 25.7 20.0 30.0

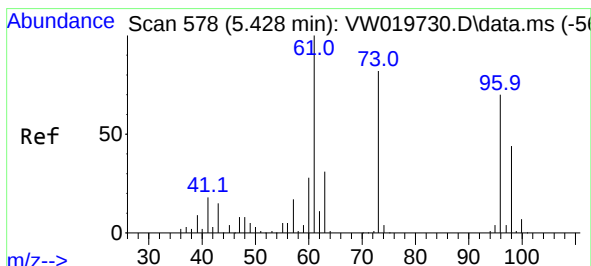
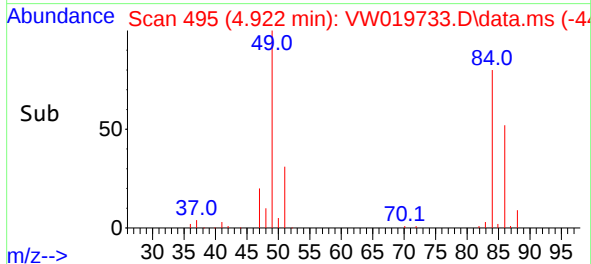
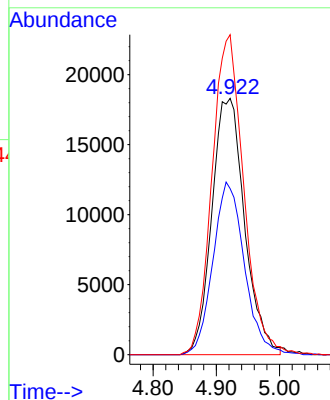
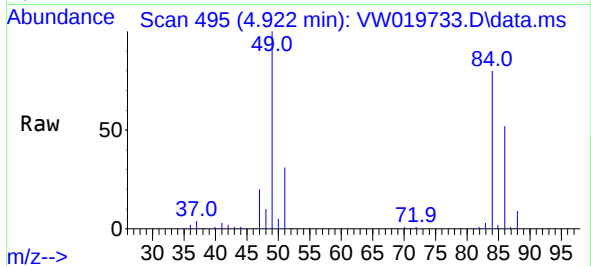




#16
Methylene chloride
Concen: 11.092 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

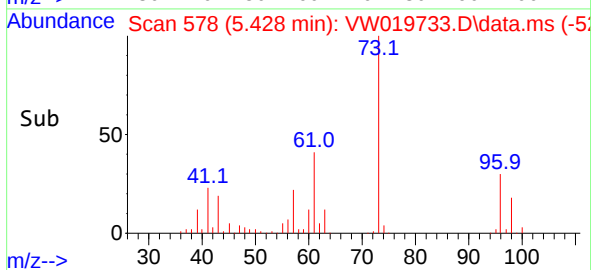
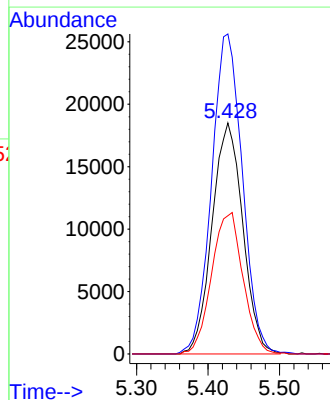
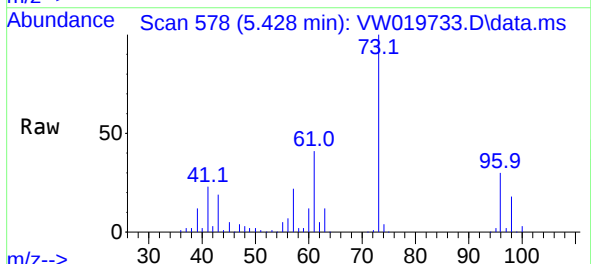
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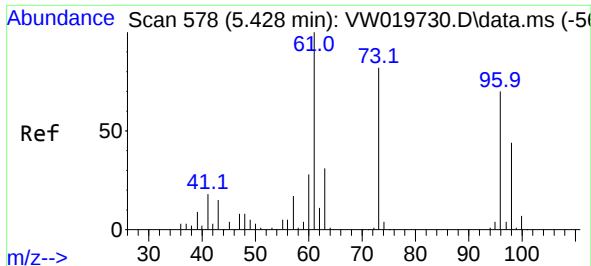
Tgt Ion:	84	Resp:	65852
Ion	Ratio	Lower	Upper
84	100		
86	64.8	45.3	84.1
49	124.9	86.6	160.8



#17
trans-1,2-Dichloroethene
Concen: 11.876 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion:	96	Resp:	55262
Ion	Ratio	Lower	Upper
96	100		
61	138.5	98.3	182.7
98	59.8	46.1	85.7

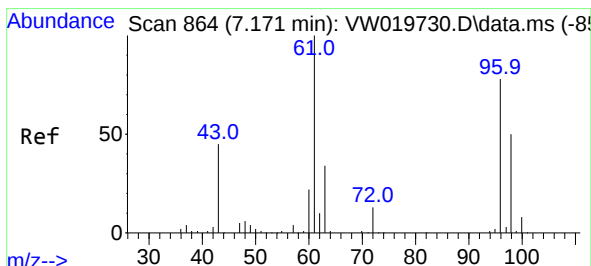
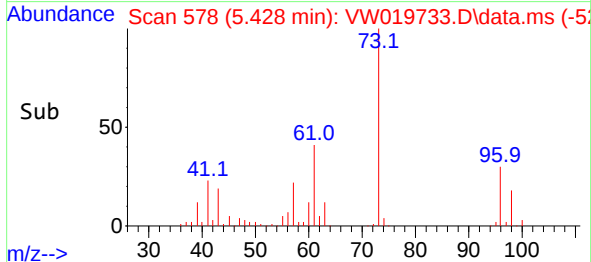
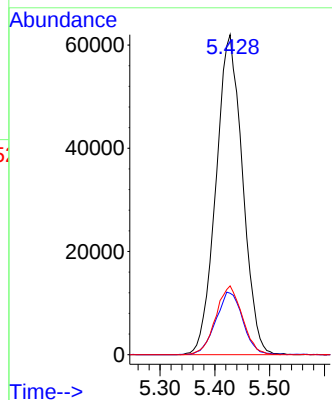
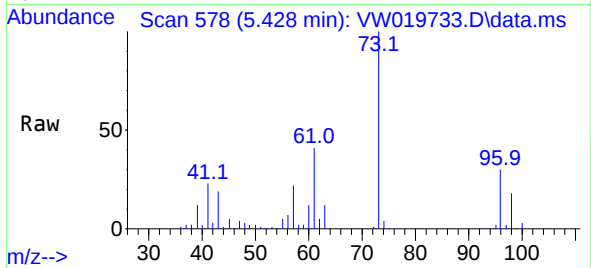




#18
Methyl tert-butyl Ether
Concen: 30.867 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW019733.D
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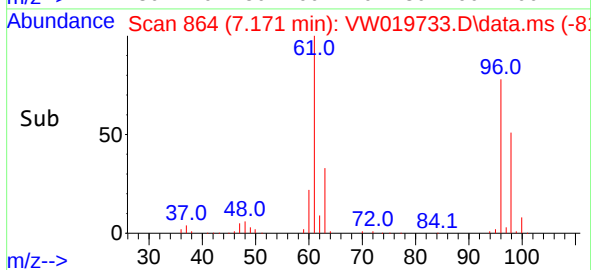
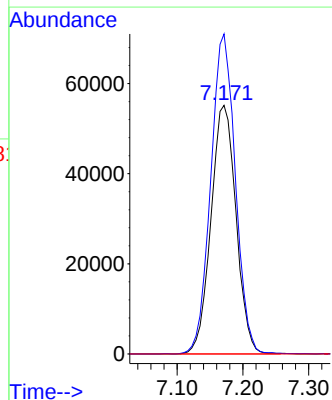
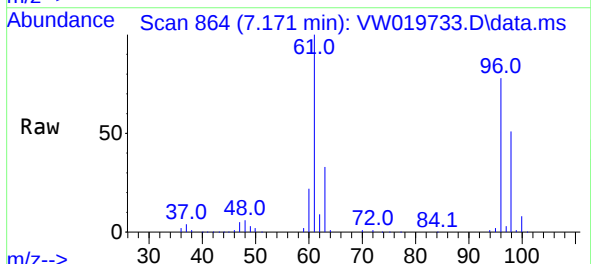
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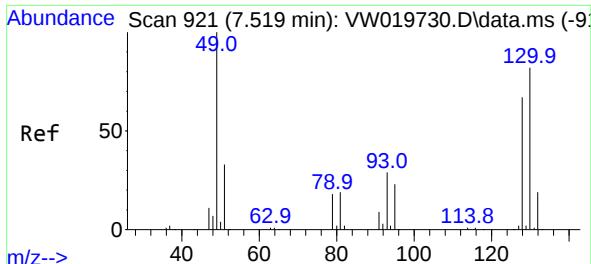
Tgt Ion: 73 Resp: 208698
Ion Ratio Lower Upper
73 100
43 19.9 17.7 26.5
57 21.5 17.0 25.4



#20
cis-1,2-Dichloroethene
Concen: 27.763 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 96 Resp: 146409
Ion Ratio Lower Upper
96 100
61 128.7 88.5 164.3
68 0.0 0.0 0.0



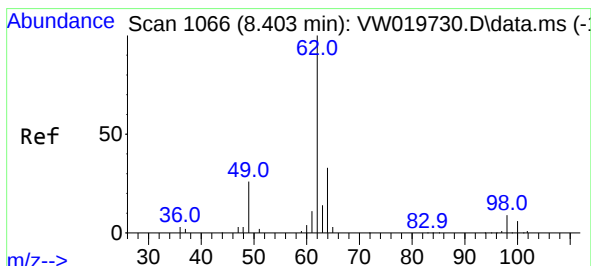
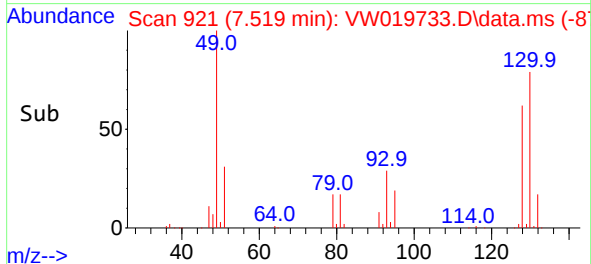
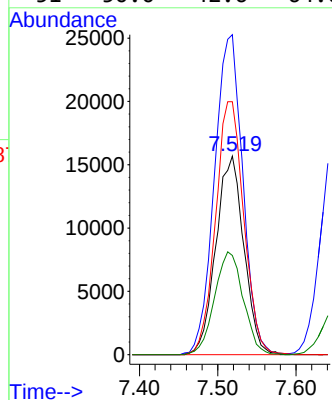
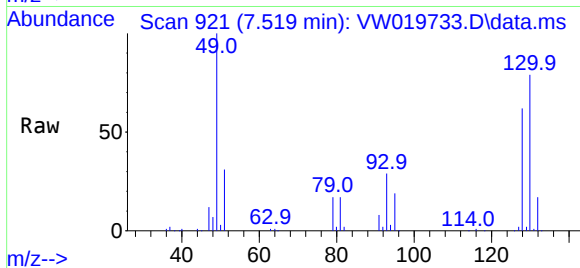


#23
 Bromochloromethane
 Concen: 15.932 ug/L
 RT: 7.519 min Scan# 921
 Delta R.T. 0.000 min
 Lab File: VW019733.D
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Instrument :
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 ClientSampled :
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Tgt Ion:128 Resp: 38876

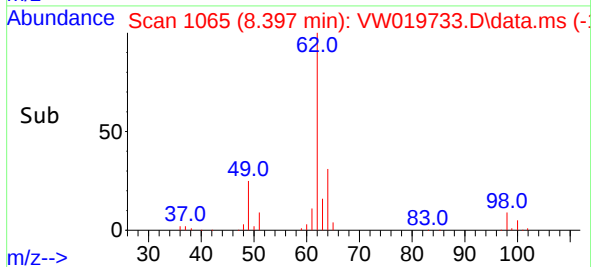
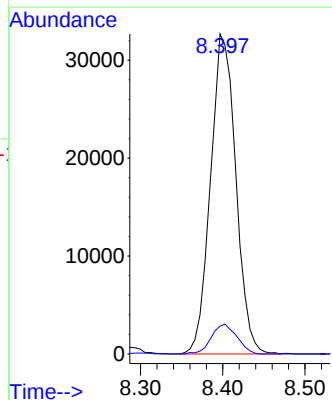
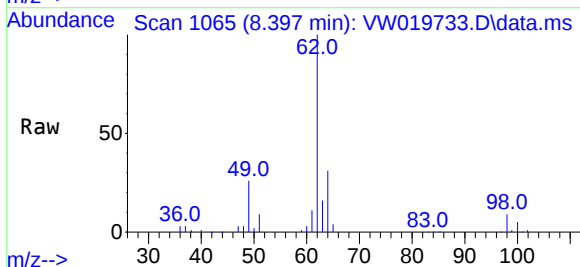
Ion	Ratio	Lower	Upper
128	100		
49	161.2	116.3	215.9
130	127.4	82.4	153.0
51	50.0	42.6	64.0

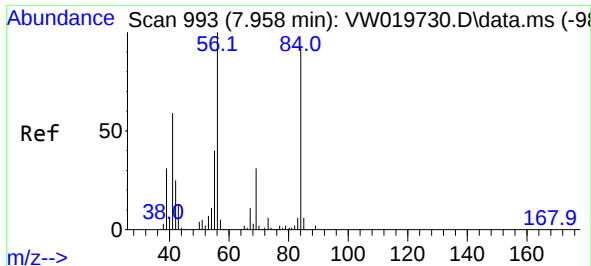


#27
 1,2-Dichloroethane
 Concen: 9.982 ug/L
 RT: 8.397 min Scan# 1065
 Delta R.T. -0.006 min
 Lab File: VW019733.D
 Acq: 13 Aug 2021 13:29

Tgt Ion: 62 Resp: 69843

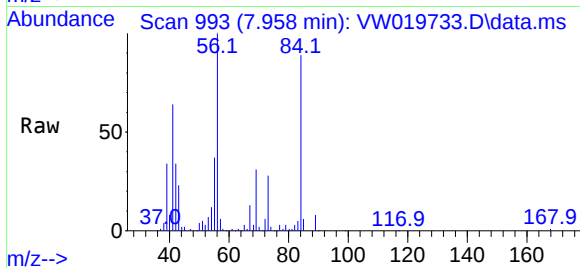
Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.9	10.3





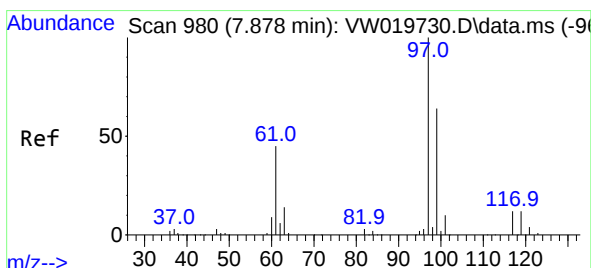
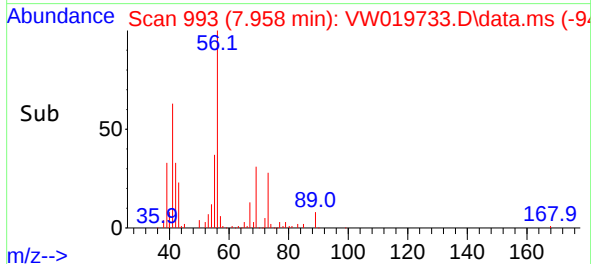
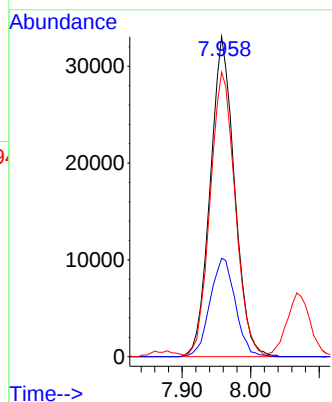
#29
Cyclohexane
Concen: 10.092 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Instrument :
MSVOA_W
ClientSampled :
X3628



Tgt Ion: 56 Resp: 81322

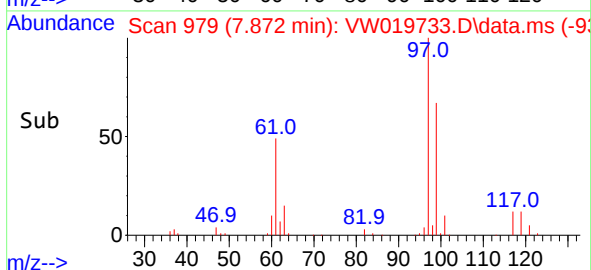
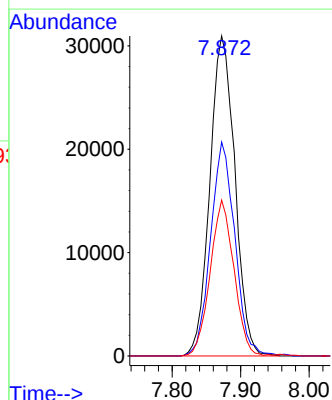
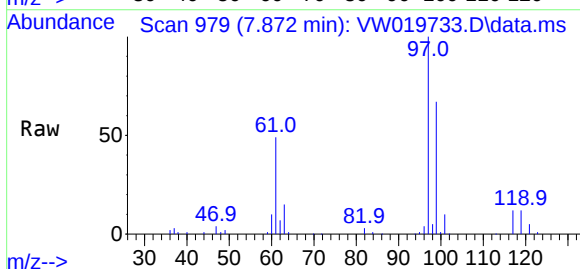
Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.5	36.7
84	91.7	75.0	112.4

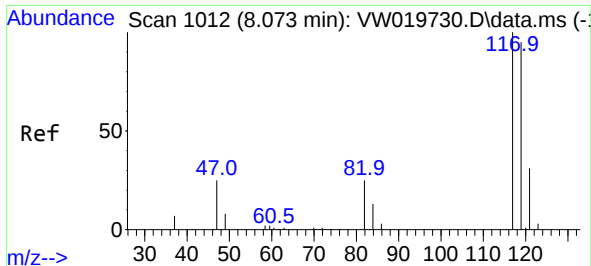


#30
1,1,1-Trichloroethane
Concen: 9.419 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 97 Resp: 78415

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	46.3	37.8	56.6

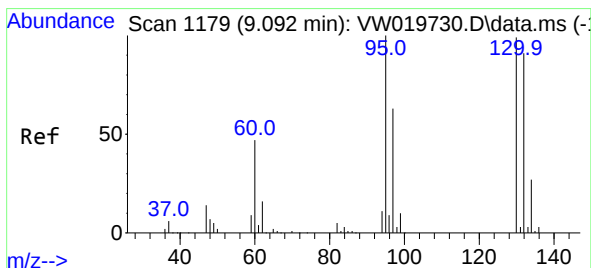
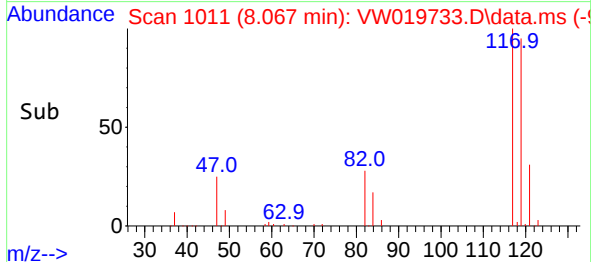
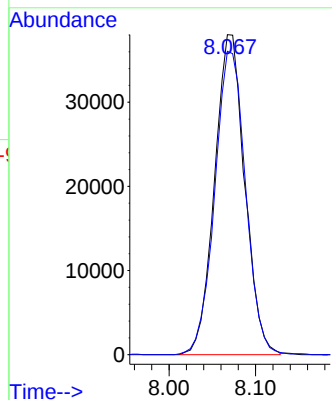
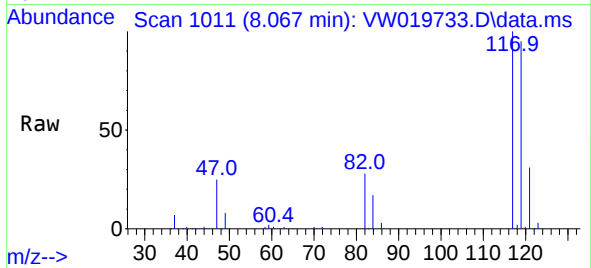




#31
Carbon tetrachloride
Concen: 11.975 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

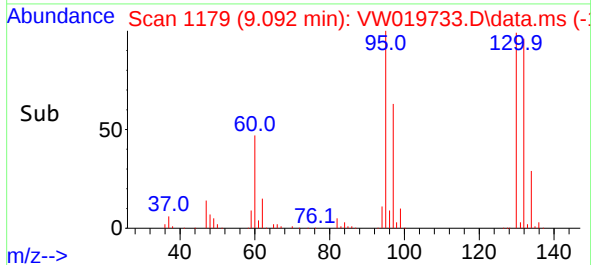
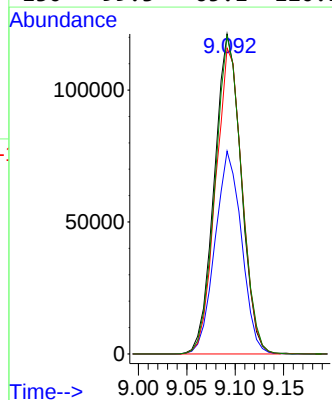
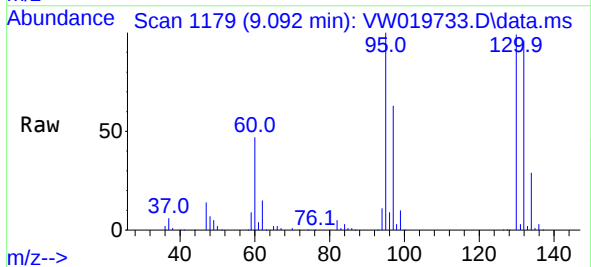
Instrument :
MSVOA_W
ClientSampled :
X3628

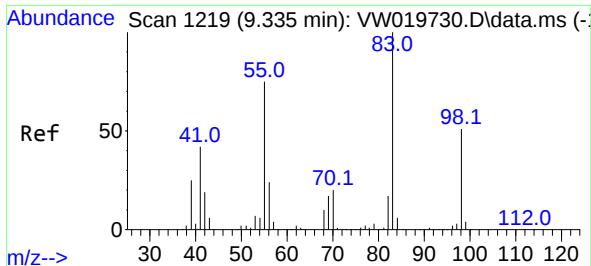
Tgt Ion:117 Resp: 92006
Ion Ratio Lower Upper
117 100
119 97.0 76.5 114.7



#34
Trichloroethene
Concen: 41.681 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 95 Resp: 232873
Ion Ratio Lower Upper
95 100
97 63.3 47.3 87.8
132 95.6 71.0 131.8
130 99.3 65.1 120.9

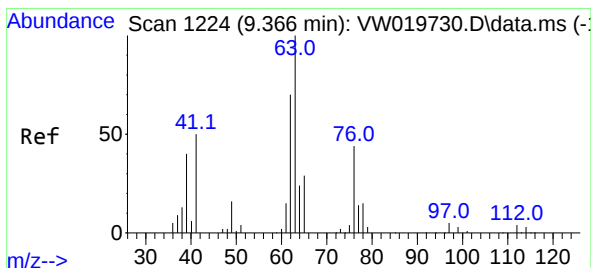
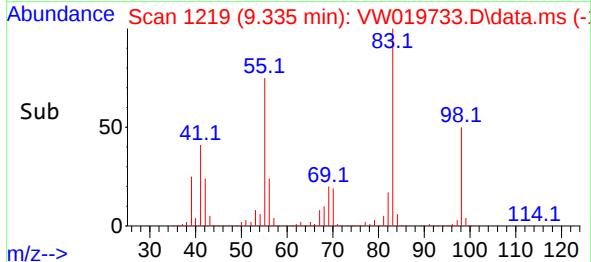
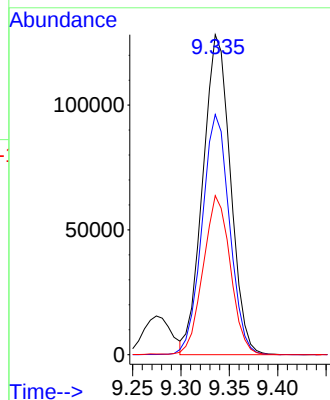
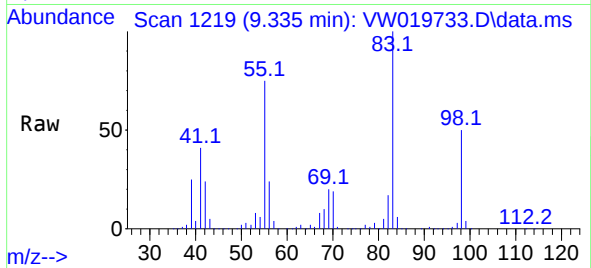




#35
Methylcyclohexane
Concen: 27.598 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

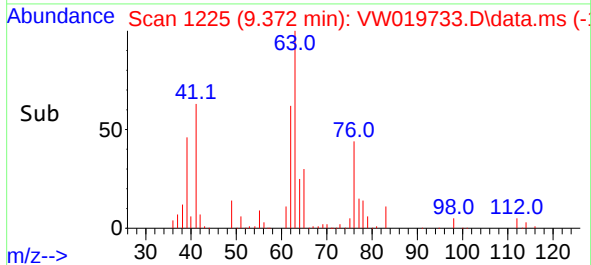
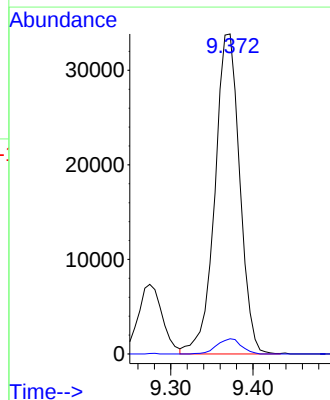
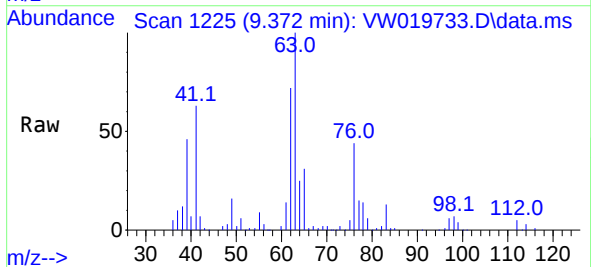
Instrument :
MSVOA_W
ClientSampled :
X3628

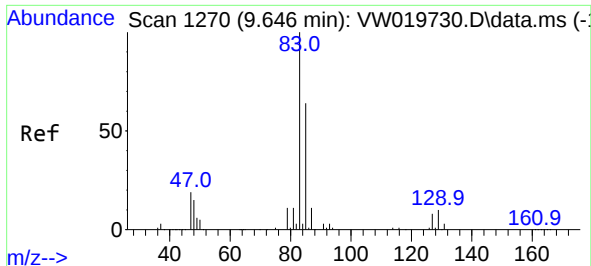
Tgt Ion: 83 Resp: 255156
Ion Ratio Lower Upper
83 100
55 74.7 58.9 88.3
98 49.0 40.1 60.1



#37
1,2-Dichloropropane
Concen: 12.651 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 63 Resp: 71246
Ion Ratio Lower Upper
63 100
112 4.6 3.9 5.9

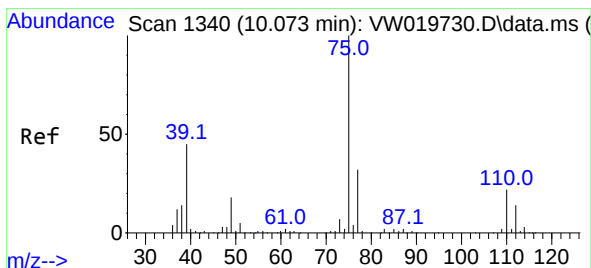
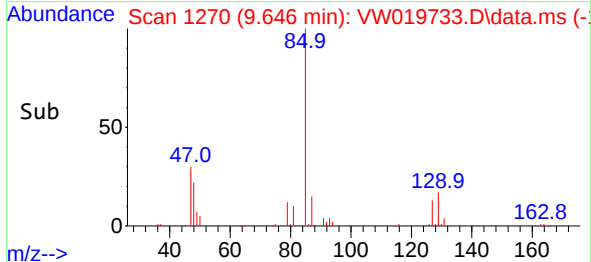
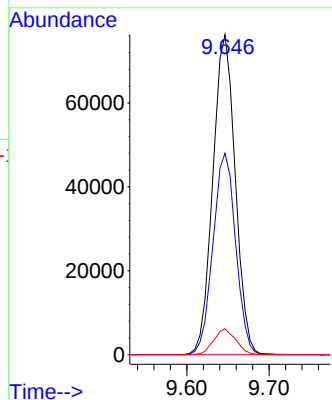
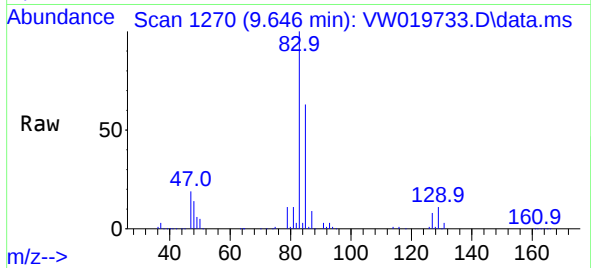




#38
Bromodichloromethane
Concen: 20.290 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

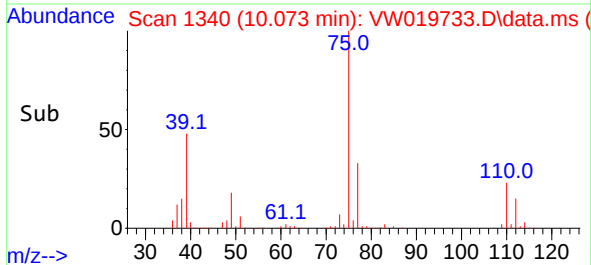
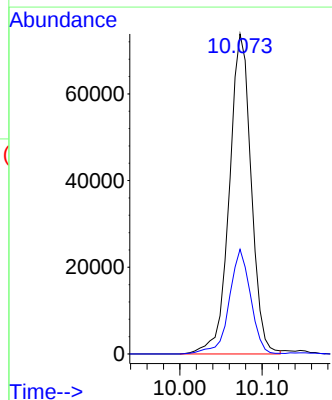
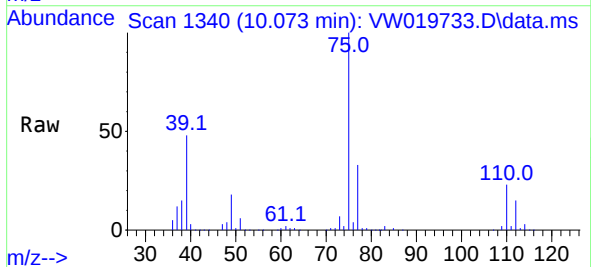
Instrument :
MSVOA_W
ClientSampled :
X3628

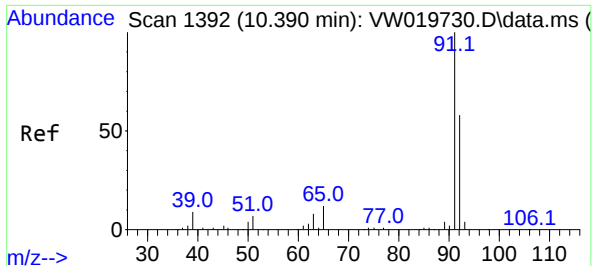
Tgt Ion: 83 Resp: 144740
Ion Ratio Lower Upper
83 100
85 62.9 42.3 78.5
127 8.1 6.6 9.8



#39
cis-1,3-Dichloropropene
Concen: 15.864 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 75 Resp: 136314
Ion Ratio Lower Upper
75 100
77 32.7 22.6 42.0

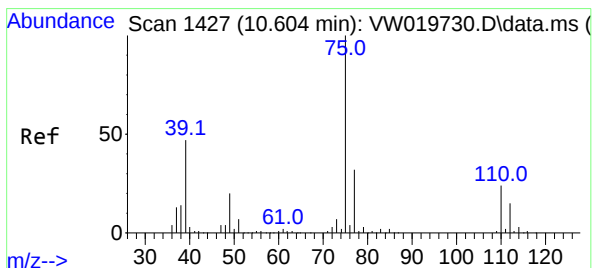
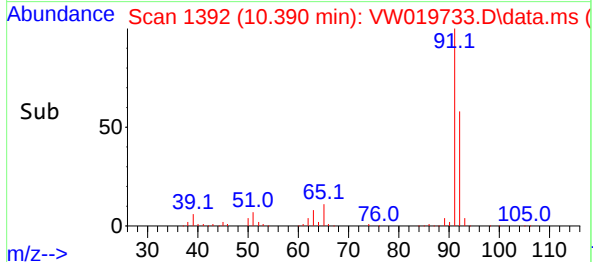
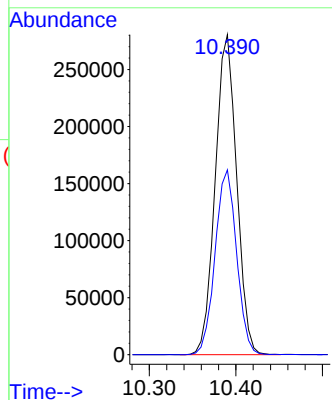
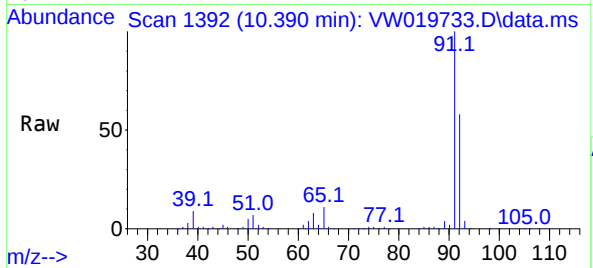




#42
Toluene
Concen: 20.386 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

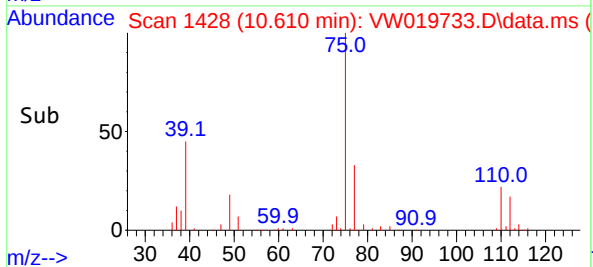
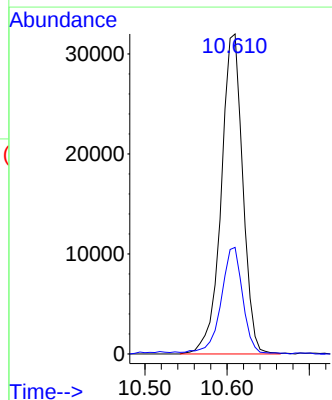
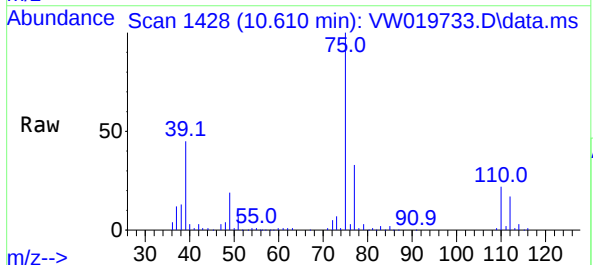
Instrument :
MSVOA_W
ClientSampled :
X3628

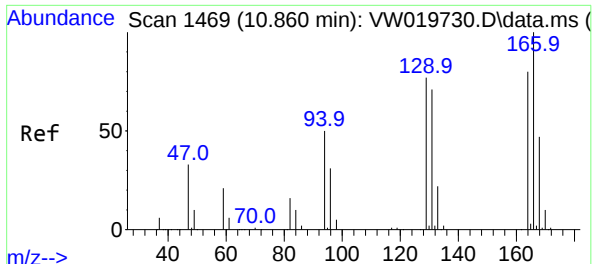
Tgt Ion: 91 Resp: 482297
Ion Ratio Lower Upper
91 100
92 57.8 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 7.753 ug/L
RT: 10.610 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 75 Resp: 58341
Ion Ratio Lower Upper
75 100
77 33.3 21.1 39.1

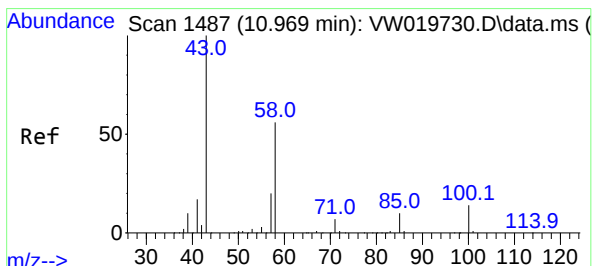
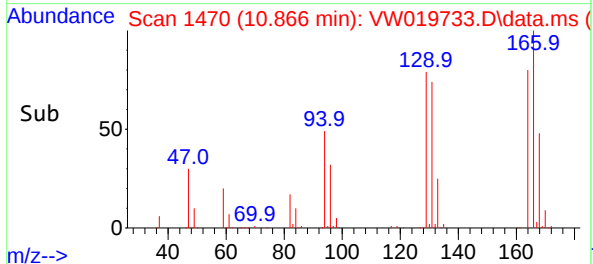
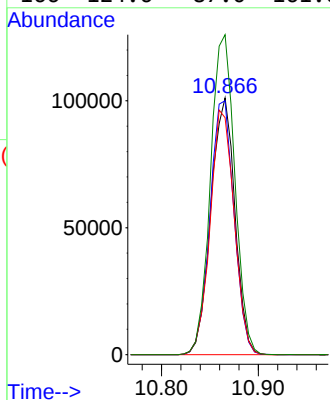
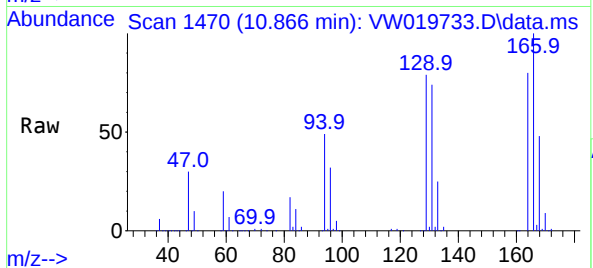




#46
Tetrachloroethene
Concen: 41.708 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

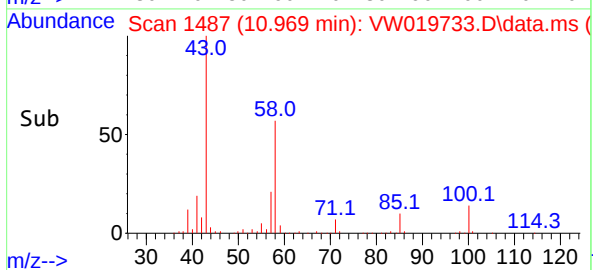
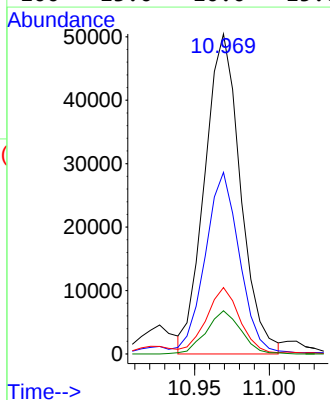
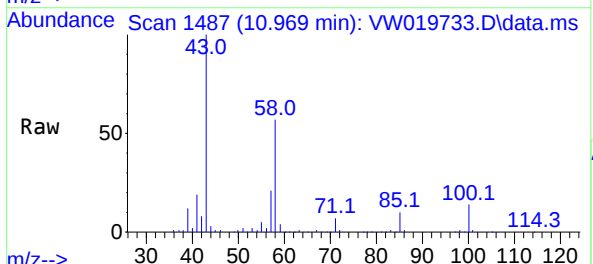
Instrument :
MSVOA_W
ClientSampled :
X3628

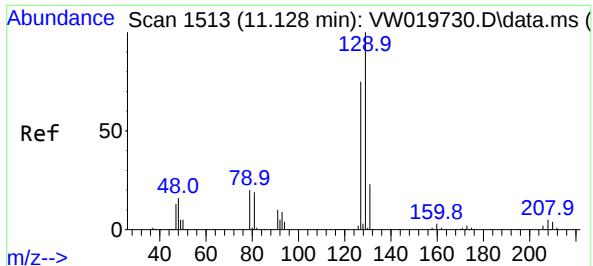
Tgt Ion:164 Resp: 175213
Ion Ratio Lower Upper
164 100
129 98.9 66.7 123.9
131 92.3 61.1 113.5
166 124.6 87.0 161.6



#48
2-Hexanone
Concen: 35.293 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 43 Resp: 84033
Ion Ratio Lower Upper
43 100
58 54.9 42.7 64.1
57 19.4 15.8 23.8
100 13.0 10.0 15.0

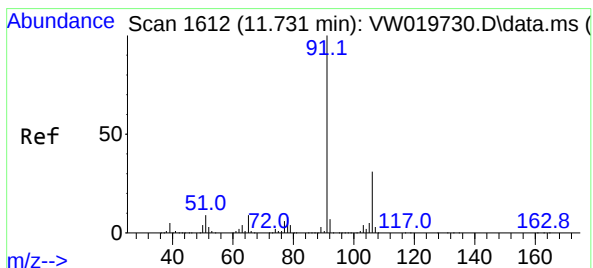
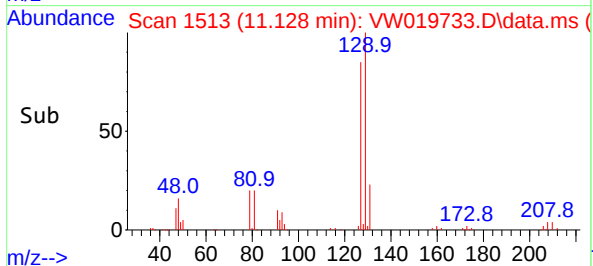
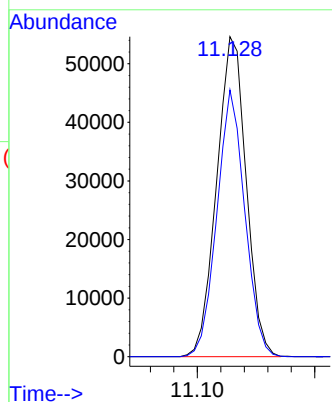
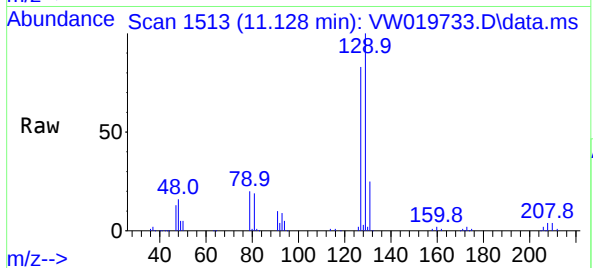




#49
Dibromochloromethane
Concen: 20.665 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

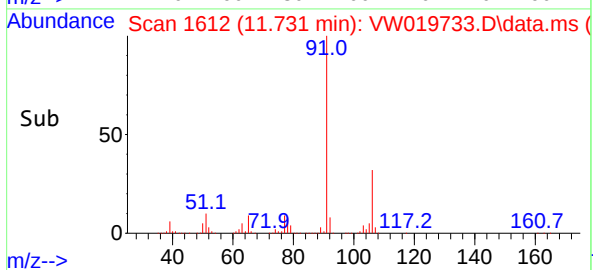
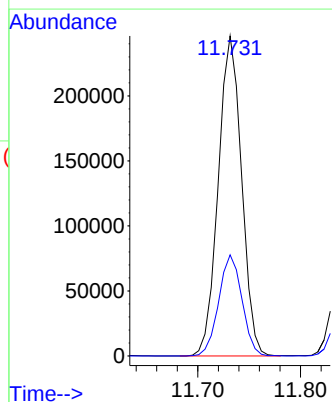
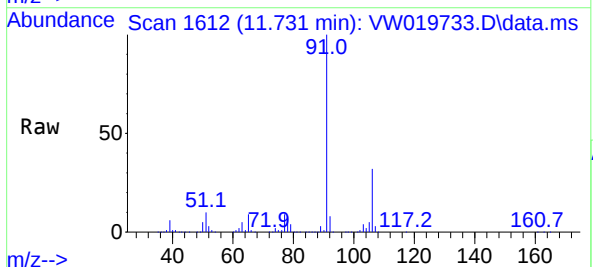
Instrument :
MSVOA_W
ClientSampled :
X3628

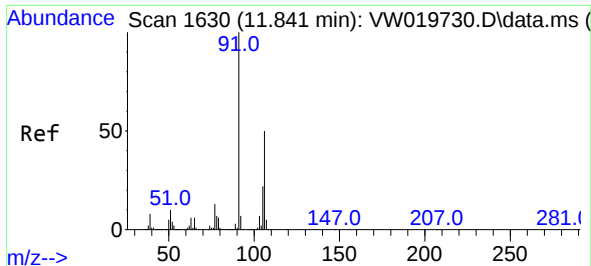
Tgt Ion:129 Resp: 95373
Ion Ratio Lower Upper
129 100
127 83.3 51.7 95.9



#52
Ethylbenzene
Concen: 15.629 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 91 Resp: 387525
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.7

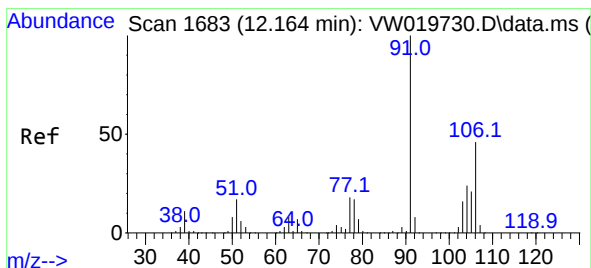
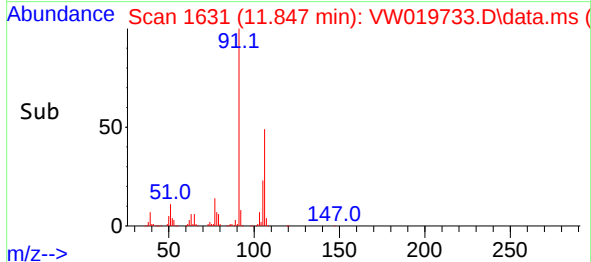
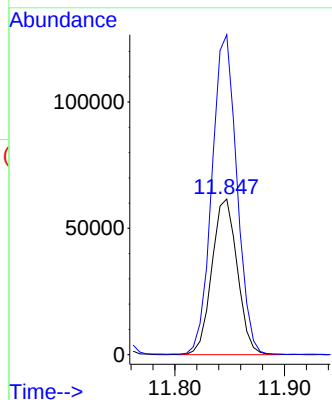
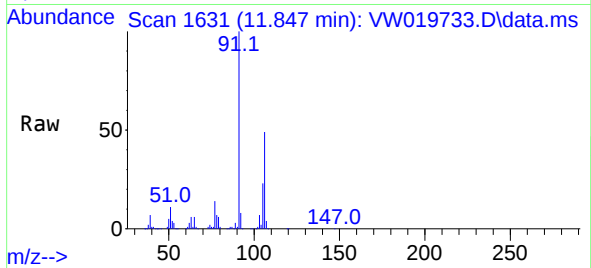




#53
m,p-Xylene
Concen: 10.496 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

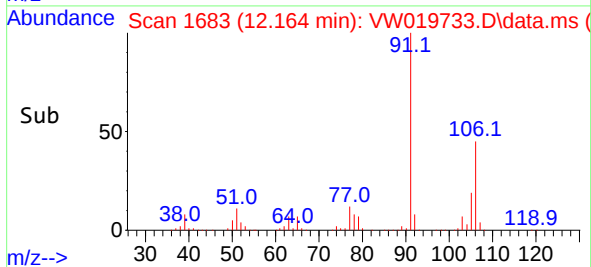
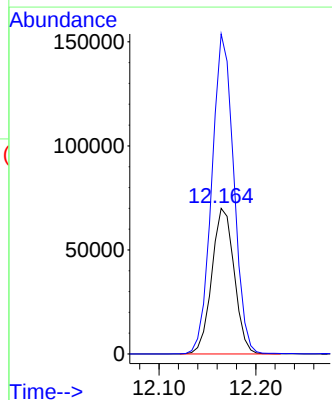
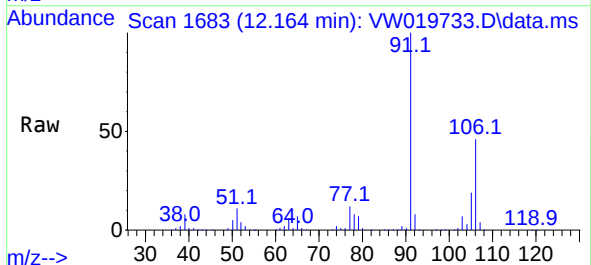
Instrument :
MSVOA_W
ClientSampled :
X3628

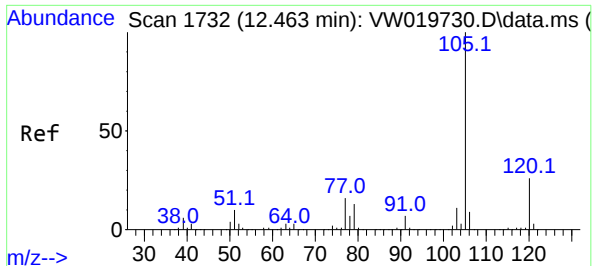
Tgt Ion:106 Resp: 99085
Ion Ratio Lower Upper
106 100
91 205.5 141.3 262.3



#54
o-Xylene
Concen: 12.360 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion:106 Resp: 112598
Ion Ratio Lower Upper
106 100
91 219.7 150.0 278.6

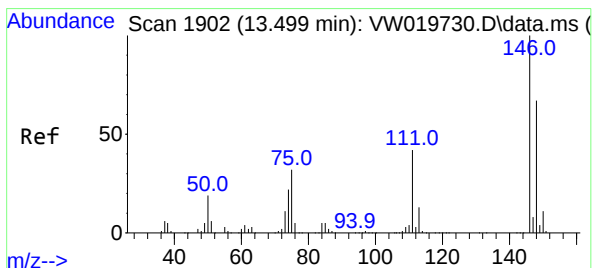
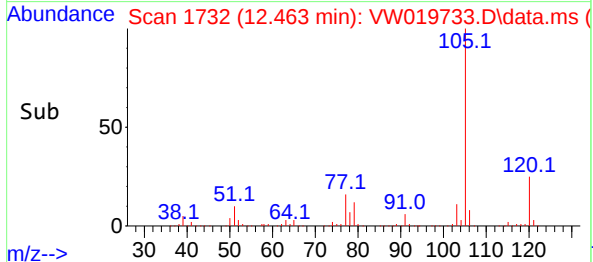
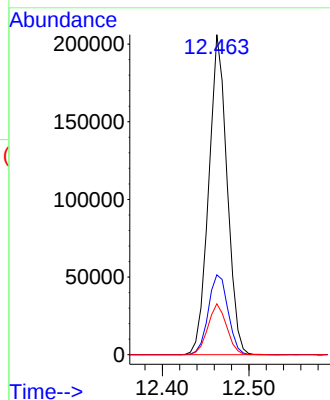
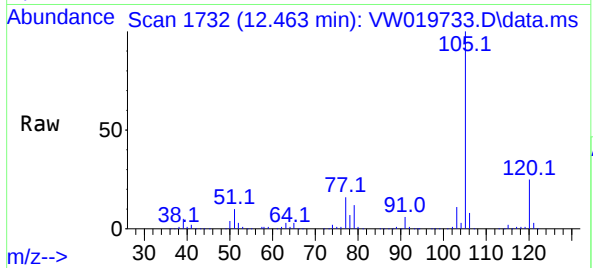




#60
Isopropylbenzene
Concen: 13.029 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

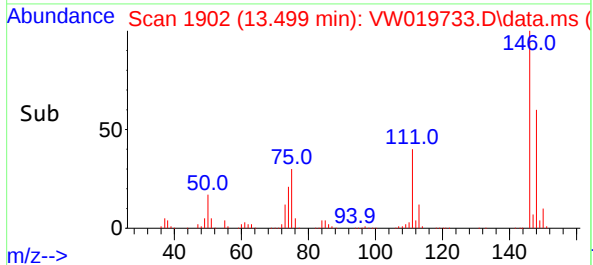
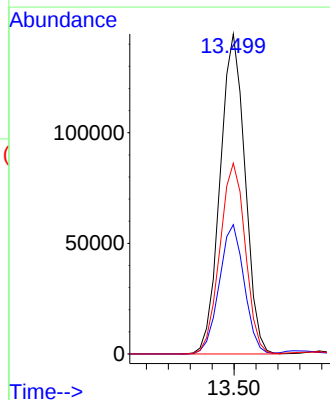
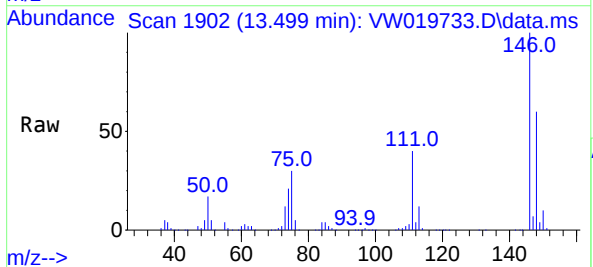
Instrument :
MSVOA_W
ClientSampled :
X3628

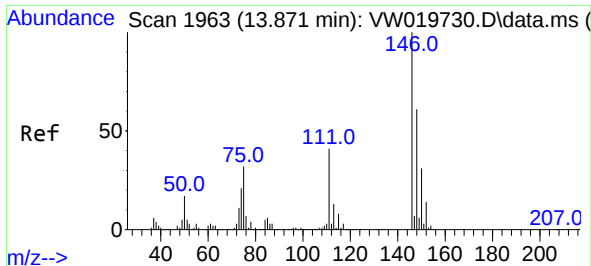
Tgt Ion:105 Resp: 302802
Ion Ratio Lower Upper
105 100
120 26.8 21.1 31.7
77 16.3 13.2 19.8



#64
1,3-Dichlorobenzene
Concen: 20.287 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion:146 Resp: 228314
Ion Ratio Lower Upper
146 100
111 40.4 26.7 49.7
148 59.6 41.1 76.3

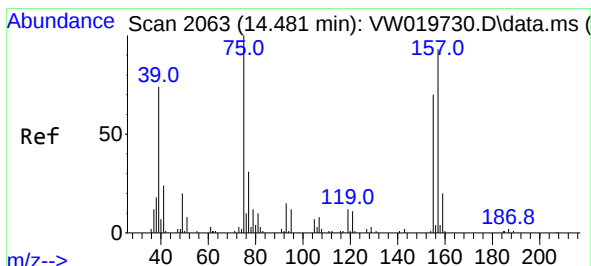
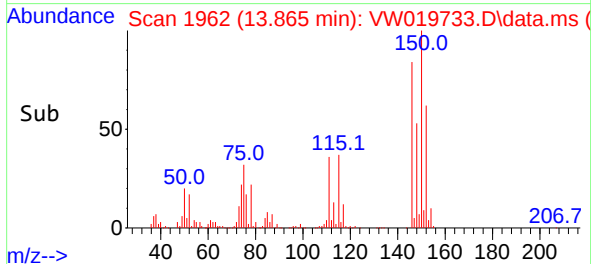
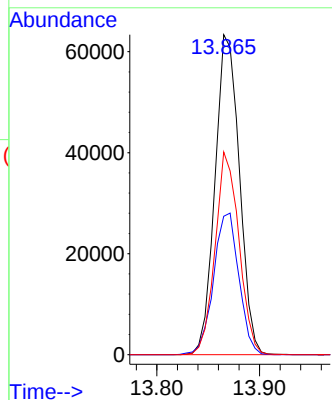
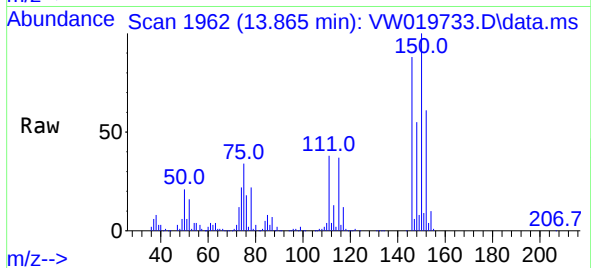




#67
1,2-Dichlorobenzene
Concen: 10.575 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Instrument :
MSVOA_W
ClientSampleId :
X3628

Tgt Ion:146 Resp: 104465
Ion Ratio Lower Upper
146 100
111 43.3 33.2 49.8
148 63.3 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 21.308 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW019733.D
Acq: 13 Aug 2021 13:29

Tgt Ion: 75 Resp: 15980
Ion Ratio Lower Upper
75 100
155 72.8 59.4 89.0
157 90.3 72.2 108.2

