

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017933.D
 Acq On : 18 Jan 2021 17:06
 Operator : SY/VA
 Sample : M1099-20RE
 Misc : 7.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C16

Quant Time: Jan 19 06:58:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 19 06:55:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	374556	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	296003	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	106461	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	174958	29.76	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery =	119.04%		
7) Chloroethane-d5	2.879	69	132406	27.28	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	109.12%		
10) 1,1-Dichloroethene-d2	4.007	63	192534	18.13	ug/L	-0.02
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.52%		
20) 2-Butanone-d5	7.110	46	66042	46.45	ug/L	0.03
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.90%		
24) Chloroform-d	7.647	84	250575	24.52	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.08%		
26) 1,2-Dichloroethane-d4	8.427	65	470	0.08	ug/L	0.12
Spiked Amount 25.000	Range 70 - 130		Recovery =	0.32%#		
29) Benzene-d6	8.275	84	485128	28.64	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	114.56%		
33) 1,2-Dichloropropane-d6	9.274	67	145632	30.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	120.84%#		
37) Toluene-d8	10.323	98	420957	26.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	105.88%		
38) trans-1,3-Dichloroprop...	10.579	79	51113	23.21	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	92.84%		
39) 2-Hexanone-d5	10.927	63	57430	66.45	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	132.90%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	117013	27.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	109.16%		
61) 1,2-Dichlorobenzene-d4	13.853	152	95886	25.89	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	103.56%		
Target Compounds						Qvalue
14) Carbon disulfide	4.373	76	34447	2.26	ug/L	97
16) Methylene chloride	4.922	84	5461	1.01	ug/L	91
34) Benzene	8.323	78	10254	0.59	ug/L	100
36) Methylcyclohexane	9.335	83	8694	1.04	ug/L #	33
41) Bromodichloromethane	9.622	83	2214	0.38	ug/L #	24
42) cis-1,3-Dichloropropene	10.037	75	4151	0.62	ug/L	84
43) 4-Methyl-2-pentanone	10.250	43	9649	3.39	ug/L #	56
44) Toluene	10.390	91	16002	0.83	ug/L	98
45) trans-1,3-Dichloropropene	10.573	75	2925	0.50	ug/L	84
46) 1,1,2-Trichloroethane	10.756	97	8934	2.62	ug/L #	26
49) 2-Hexanone	10.981	43	1628	0.84	ug/L #	75
52) Chlorobenzene	11.658	112	464448	37.25	ug/L	97
53) Ethylbenzene	11.731	91	11070	0.51	ug/L	93
54) m,p-Xylene	11.835	106	8455	1.00	ug/L	92
55) o-xylene	12.164	106	3374	0.43	ug/L	99
57) Isopropylbenzene	12.463	105	154237	7.08	ug/L	96
58) 1,1,1,2-Tetrachloroethane	12.682	83	28484	6.77	ug/L #	41
63) 1,3-Dichlorobenzene	13.499	146	80999	12.15	ug/L #	90
64) 1,4-Dichlorobenzene	13.579	146	172056	25.68	ug/L	92
66) 1,2-Dibromo-3-chloropr...	14.444	75	7524	14.96	ug/L #	2

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QLast Update : Tue Jan 19 06:55:11 2021
Response via : Initial Calibration

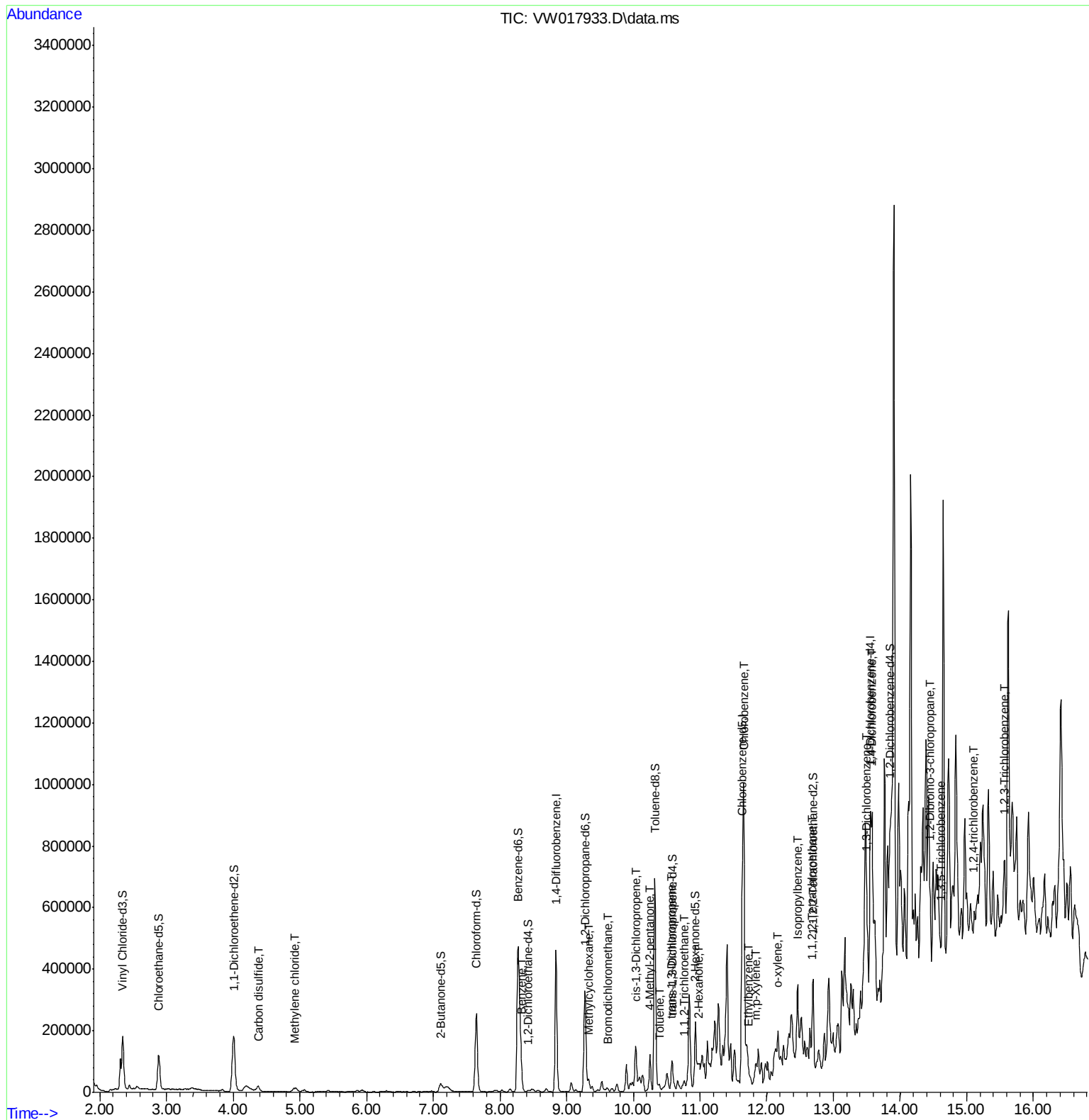
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	1,3,5-Trichlorobenzene	14.615	180	1549	0.33	ug/L #	75
68)	1,2,4-trichlorobenzene	15.109	180	2321	0.58	ug/L #	1
70)	1,2,3-Trichlorobenzene	15.566	180	2716	0.78	ug/L #	1

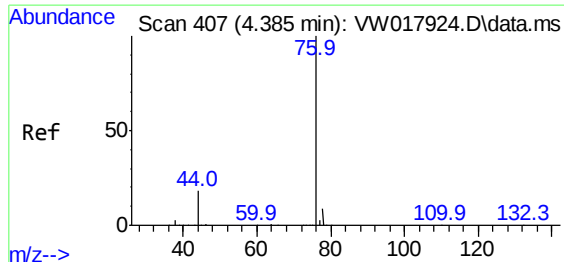
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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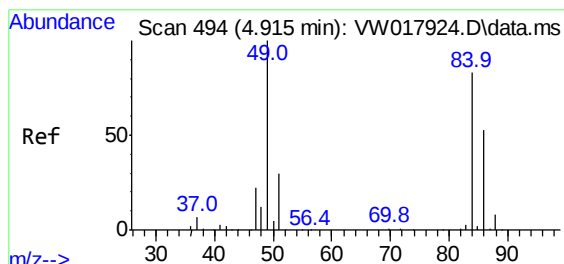
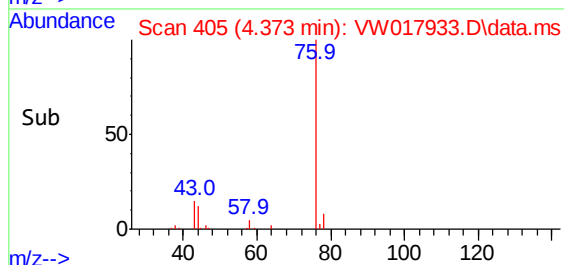
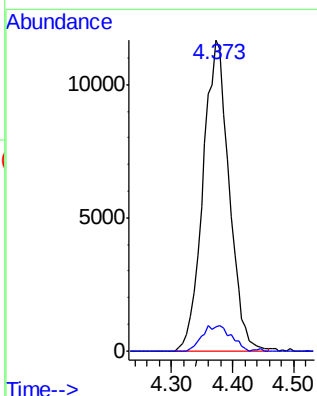
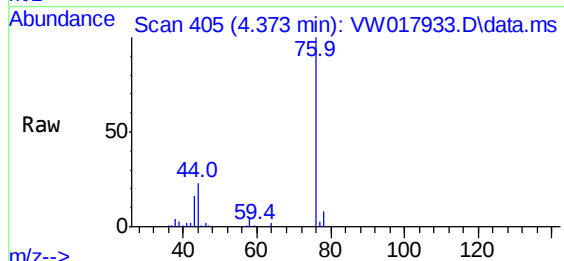




#14
Carbon disulfide
Concen: 2.26 ug/L
RT: 4.373 min Scan# 405
Delta R.T. -0.012 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

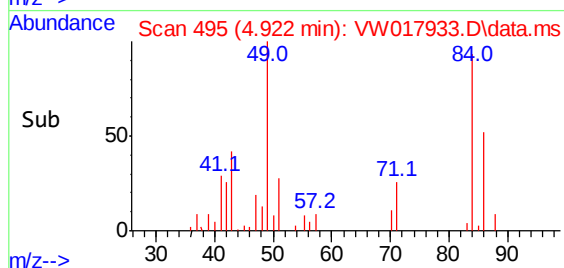
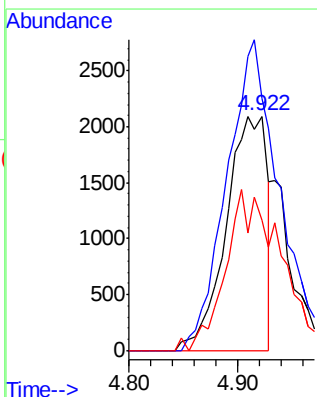
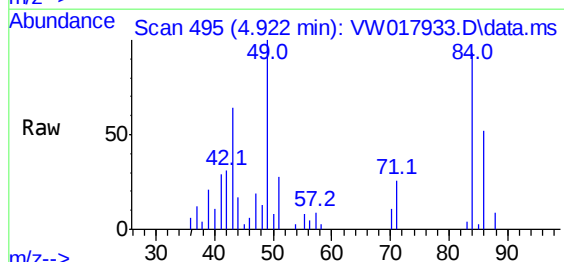
Instrument :
MSVOA_W
ClientSampled :
F1C16

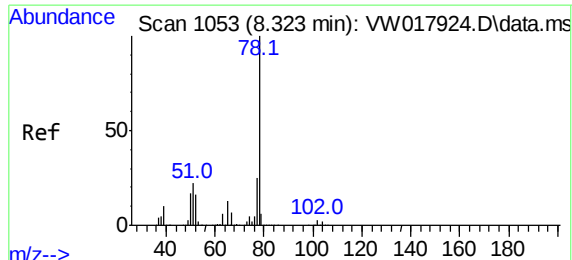
Tgt Ion: 76 Resp: 34447
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.4



#16
Methylene chloride
Concen: 1.01 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 84 Resp: 5461
Ion Ratio Lower Upper
84 100
49 107.5 81.2 150.8
86 55.6 44.5 82.7





#34

Benzene

Concen: 0.59 ug/L

RT: 8.323 min Scan# 1053

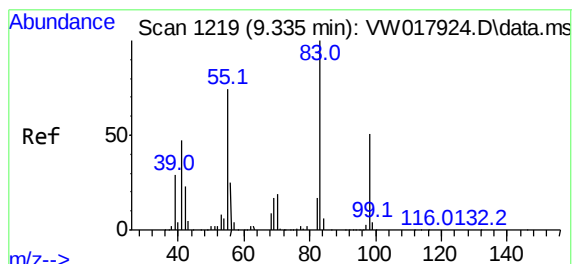
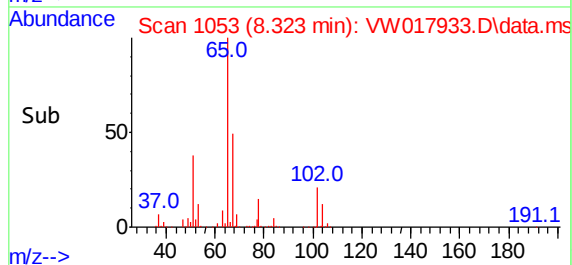
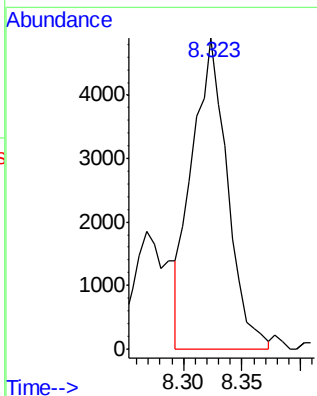
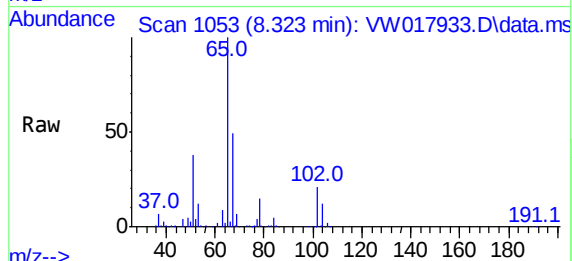
Delta R.T. 0.000 min

Lab File: VW017933.D

Acq: 18 Jan 2021 17:06

Tgt Ion: 78 Resp: 10254

Instrument :
MSVOA_W
ClientSampled :
F1C16



#36

Methylcyclohexane

Concen: 1.04 ug/L

RT: 9.335 min Scan# 1219

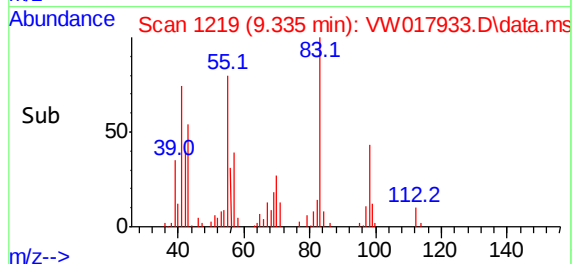
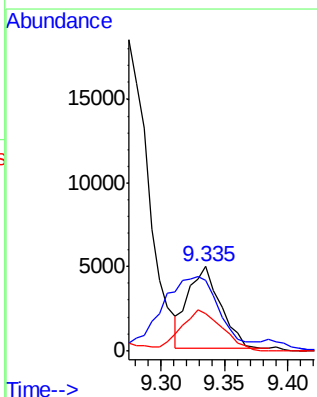
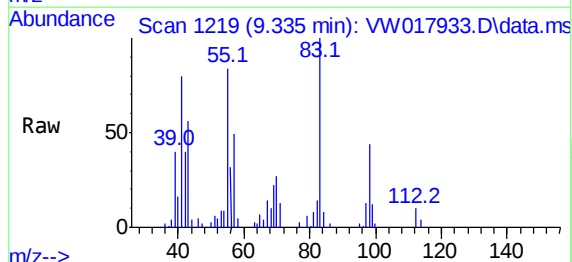
Delta R.T. 0.000 min

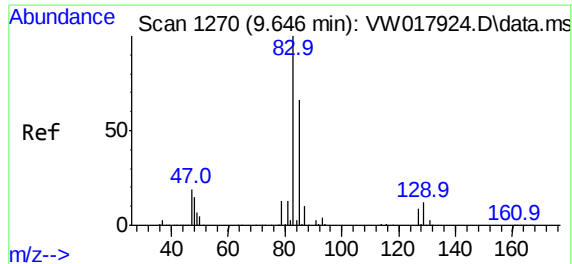
Lab File: VW017933.D

Acq: 18 Jan 2021 17:06

Tgt Ion: 83 Resp: 8694

Ion	Ratio	Lower	Upper
83	100		
55	161.1	59.4	89.0#
98	61.8	40.7	61.1#

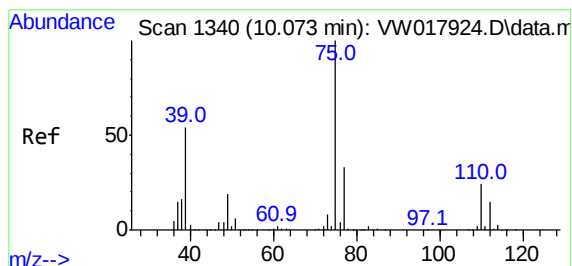
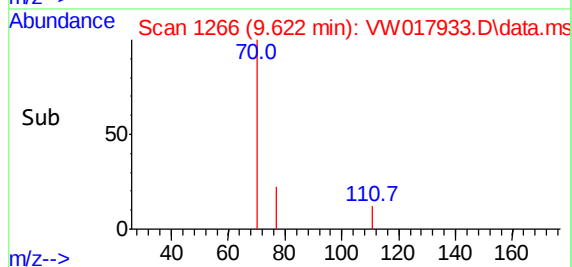
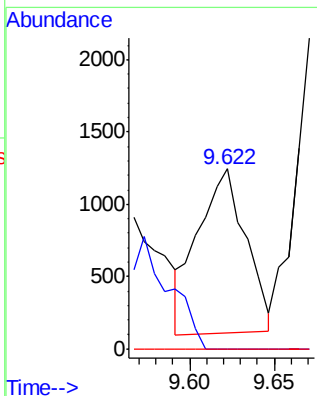
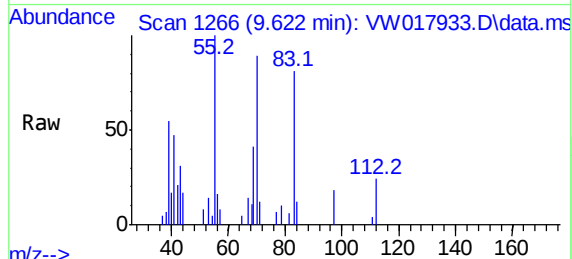




#41
Bromodichloromethane
Concen: 0.38 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

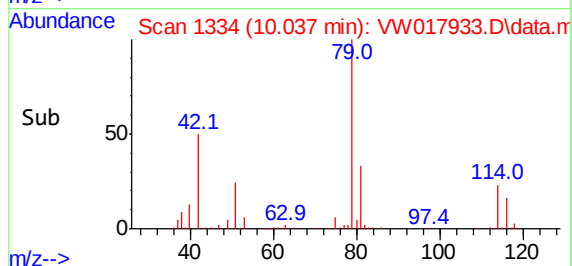
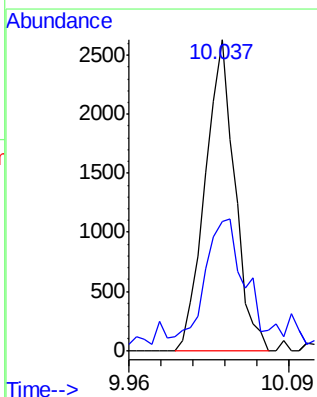
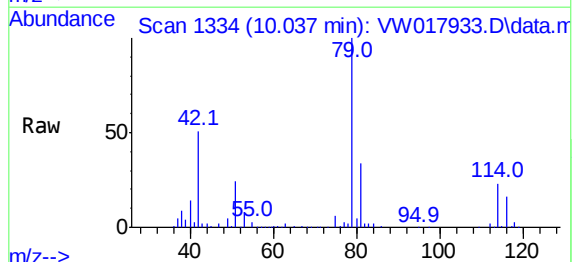
Instrument :
MSVOA_W
ClientSampleId :
F1C16

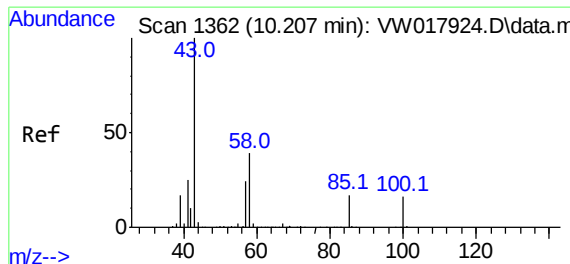
Tgt Ion: 83 Resp: 2214
Ion Ratio Lower Upper
83 100
85 0.0 46.8 86.8#
127 0.0 7.6 11.4#



#42
cis-1,3-Dichloropropene
Concen: 0.62 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 75 Resp: 4151
Ion Ratio Lower Upper
75 100
77 41.6 22.7 42.3

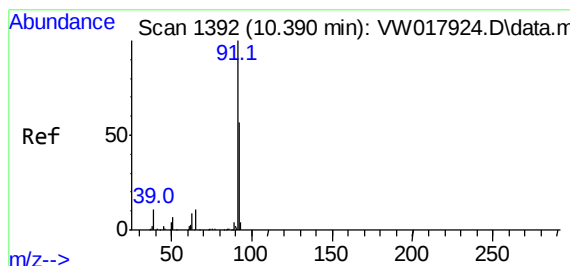
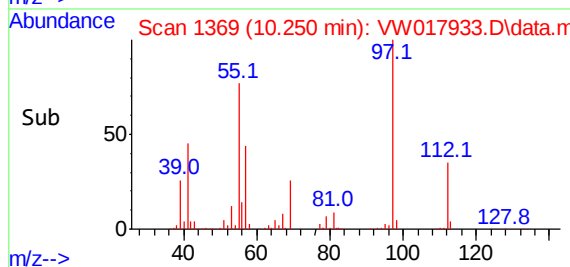
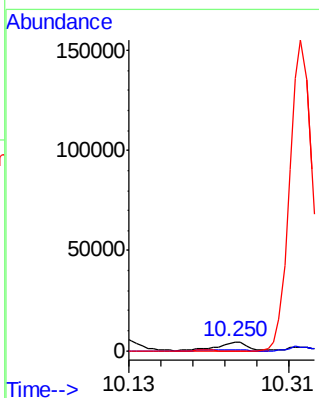
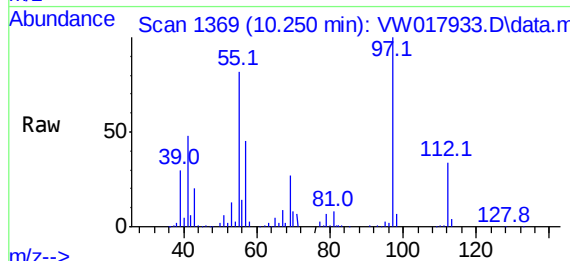




#43
4-Methyl-2-pentanone
Concen: 3.39 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.043 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

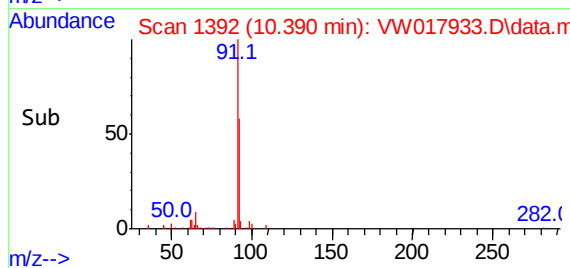
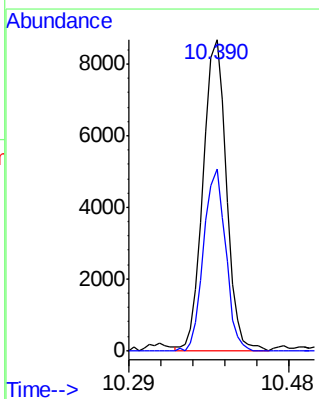
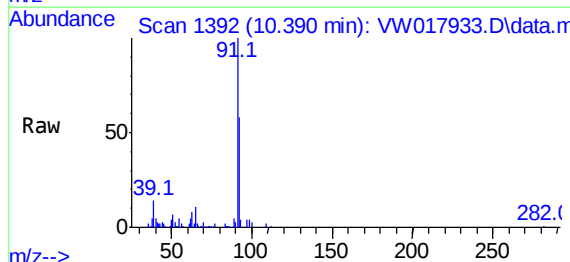
Instrument :
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ClientSampleId :
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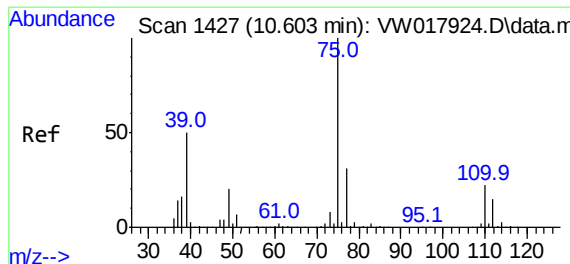
Tgt Ion: 43 Resp: 9649
Ion Ratio Lower Upper
43 100
58 11.7 31.6 47.4#
100 0.0 14.1 21.1#



#44
Toluene
Concen: 0.83 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 91 Resp: 16002
Ion Ratio Lower Upper
91 100
92 58.3 41.6 77.3

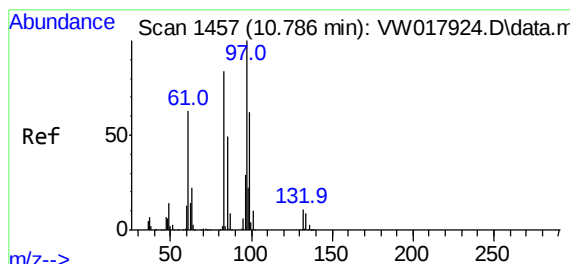
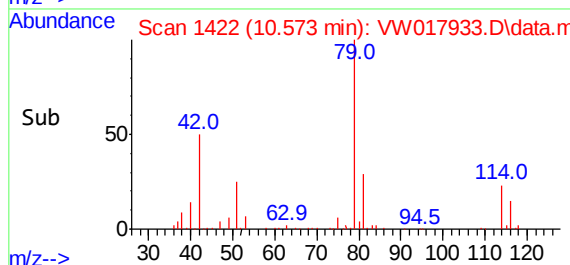
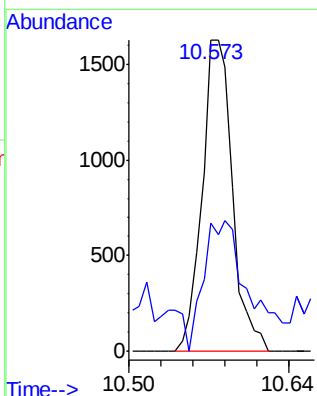
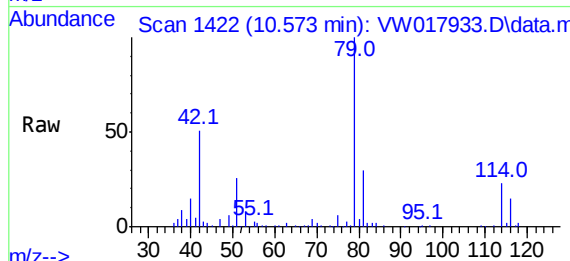




#45
trans-1,3-Dichloropropene
Concen: 0.50 ug/L
RT: 10.573 min Scan# 1422
Delta R.T. -0.030 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

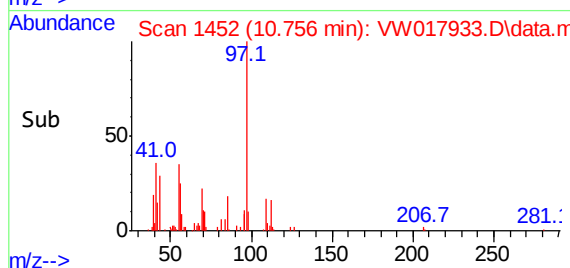
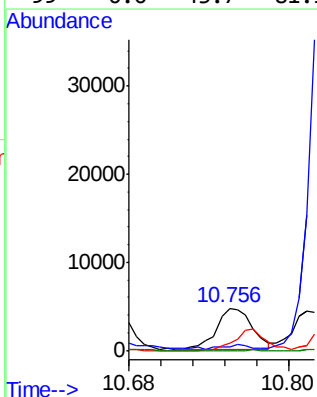
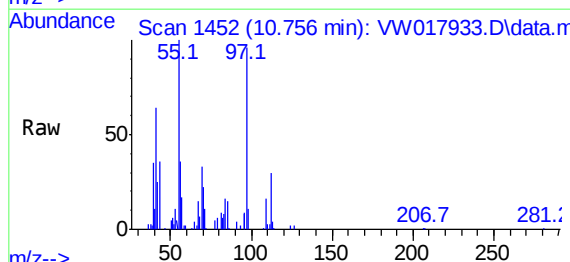
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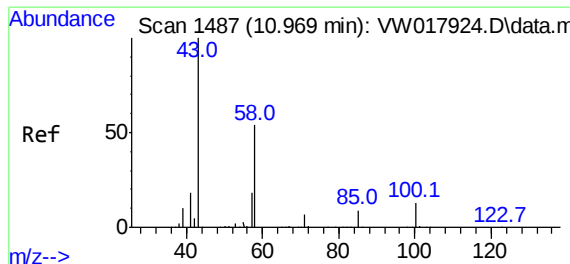
Tgt Ion: 75 Resp: 2925
Ion Ratio Lower Upper
75 100
77 41.3 22.6 42.0



#46
1,1,2-Trichloroethane
Concen: 2.62 ug/L
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 97 Resp: 8934
Ion Ratio Lower Upper
97 100
83 8.6 58.5 108.7#
85 16.1 37.8 70.2#
99 0.0 43.7 81.1#



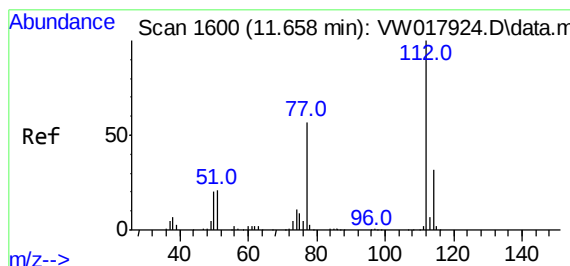
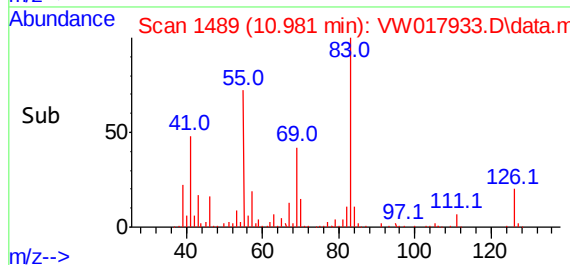
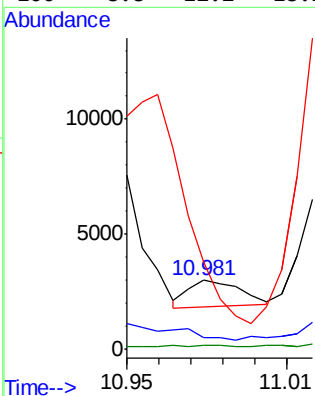
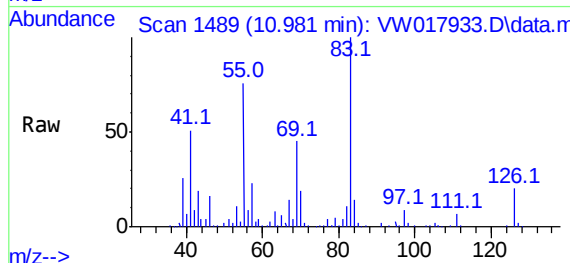


#49
2-Hexanone
Concen: 0.84 ug/L
RT: 10.981 min Scan# 1489
Delta R.T. 0.012 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Instrument :
MSVOA_W
ClientSampled :
F1C16

Tgt Ion: 43 Resp: 1628

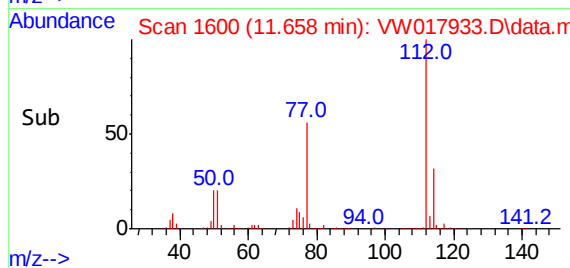
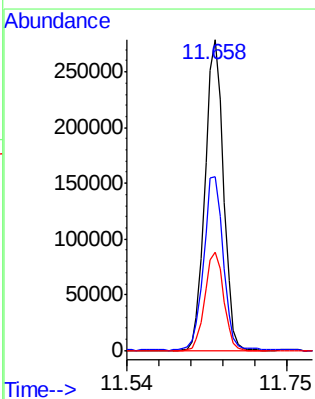
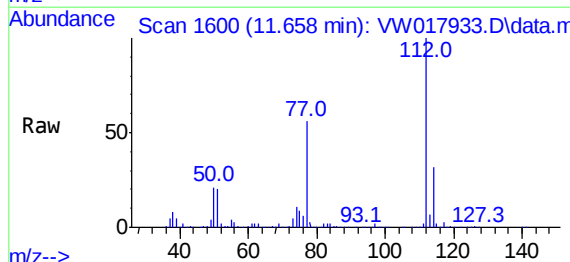
Ion	Ratio	Lower	Upper
43	100		
58	46.3	51.3	76.9#
57	0.0	15.0	22.6#
100	8.8	12.2	18.2#

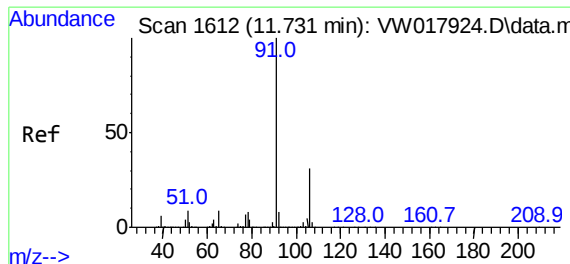


#52
Chlorobenzene
Concen: 37.25 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 112 Resp: 464448

Ion	Ratio	Lower	Upper
112	100		
77	55.9	42.6	64.0
114	31.7	21.6	40.2

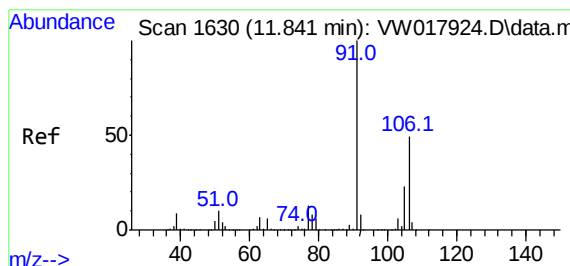
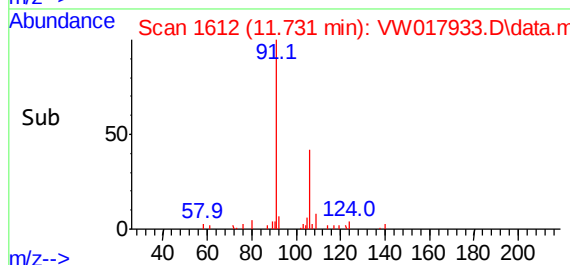
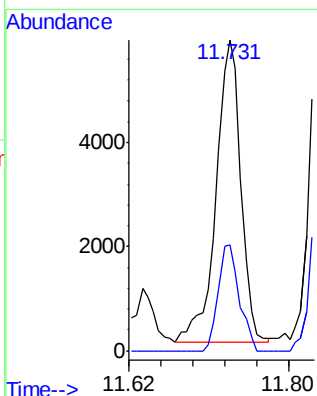
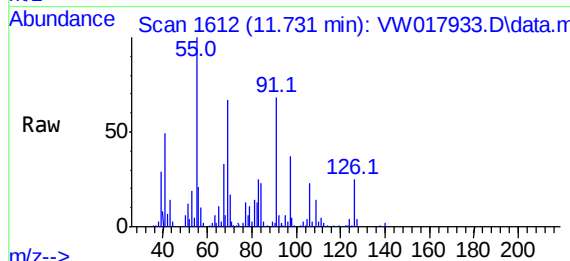




#53
Ethylbenzene
Concen: 0.51 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

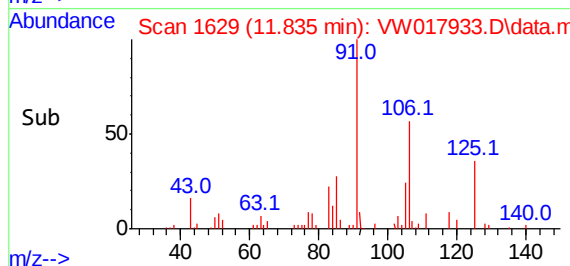
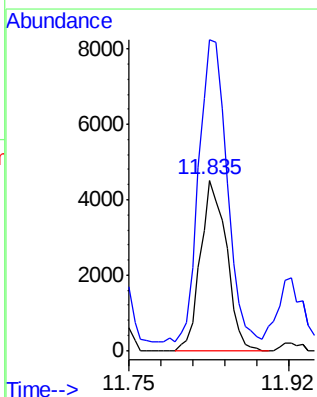
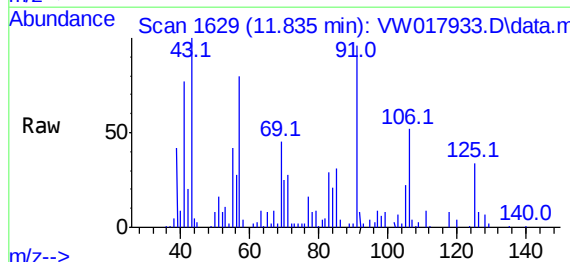
Instrument :
MSVOA_W
ClientSampleId :
F1C16

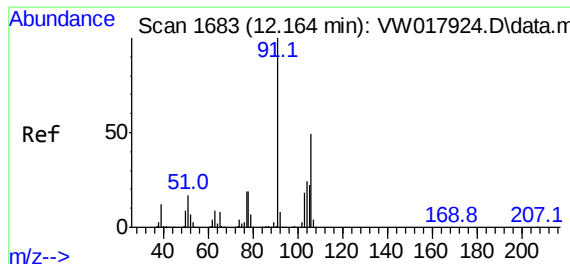
Tgt Ion: 91 Resp: 11070
Ion Ratio Lower Upper
91 100
106 34.1 21.1 39.1



#54
m,p-Xylene
Concen: 1.00 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 106 Resp: 8455
Ion Ratio Lower Upper
106 100
91 182.6 136.4 253.4

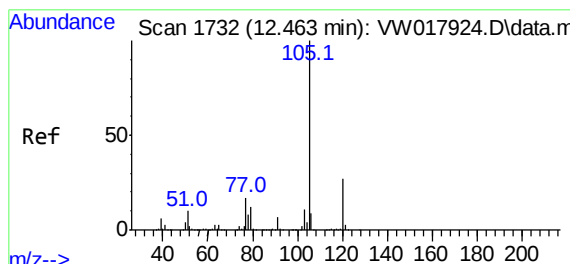
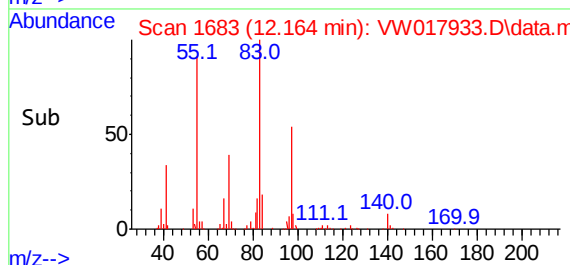
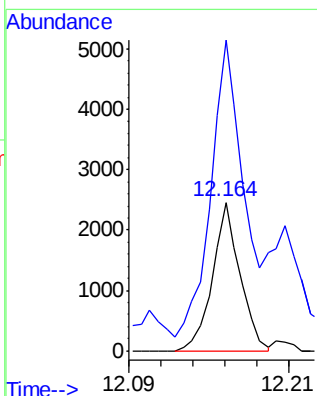
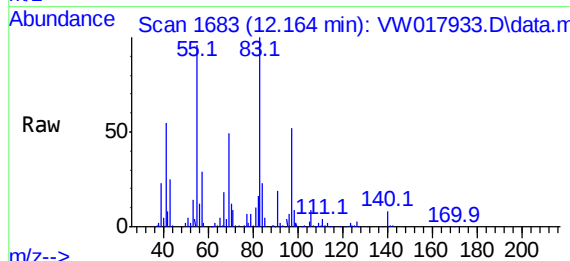




#55
o-xylene
Concen: 0.43 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

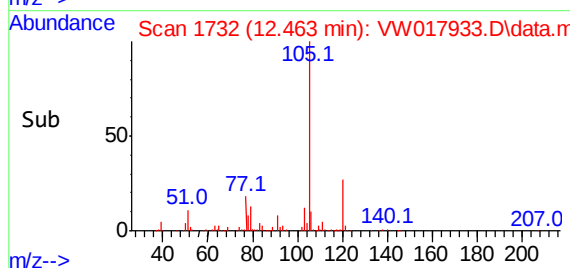
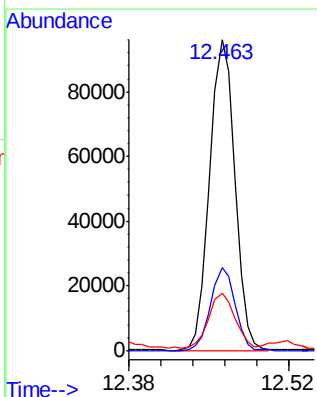
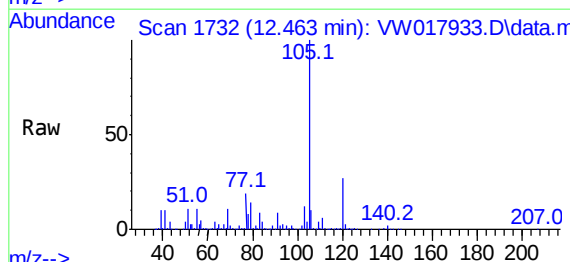
Instrument :
MSVOA_W
ClientSampled :
F1C16

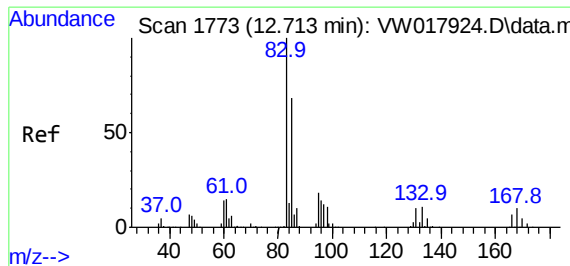
Tgt Ion:106 Resp: 3374
Ion Ratio Lower Upper
106 100
91 209.4 147.6 274.2



#57
Isopropylbenzene
Concen: 7.08 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion:105 Resp: 154237
Ion Ratio Lower Upper
105 100
120 25.8 21.4 32.2
77 17.7 12.1 18.1

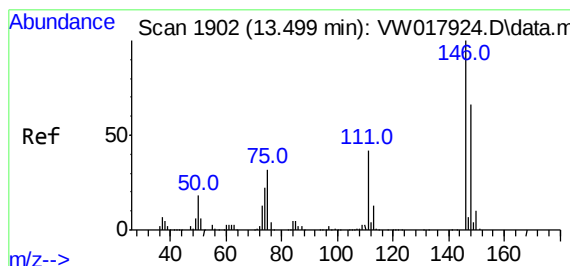
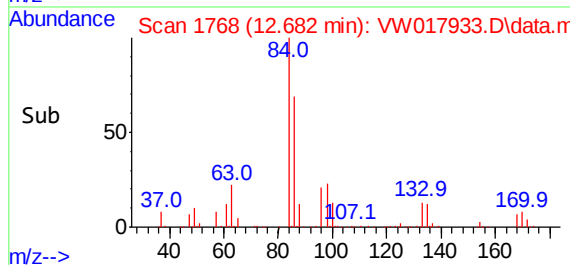
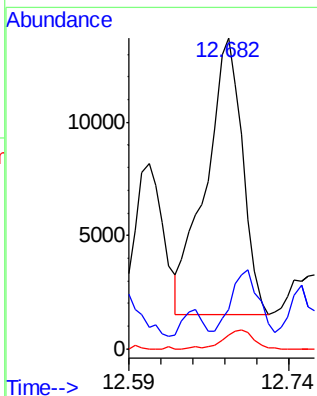
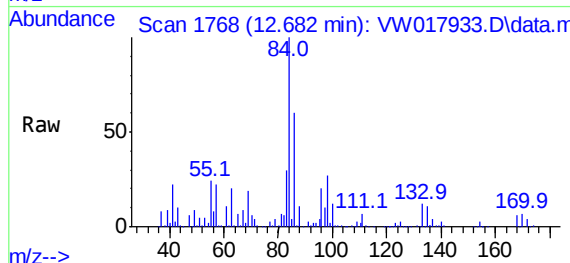




#58
 1,1,2,2-Tetrachloroethane
 Concen: 6.77 ug/L
 RT: 12.682 min Scan# 1768
 Delta R.T. -0.030 min
 Lab File: VW017933.D
 Acq: 18 Jan 2021 17:06

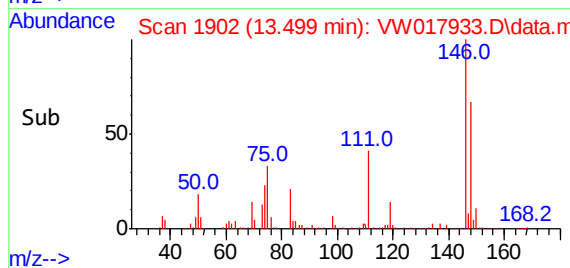
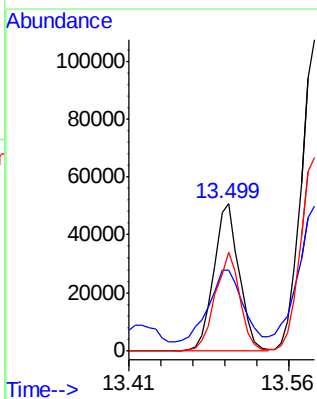
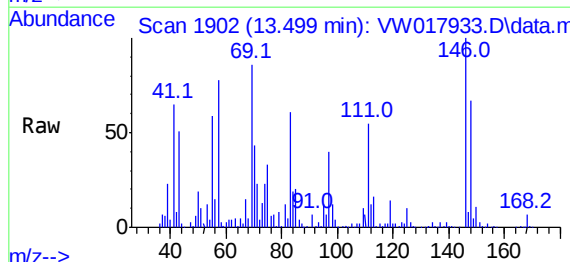
Instrument :
 MSVOA_W
 ClientSampleID :
 F1C16

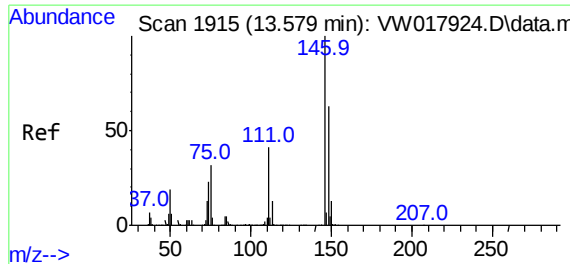
Tgt Ion: 83 Resp: 28484
 Ion Ratio Lower Upper
 83 100
 85 12.8 45.3 84.1#
 131 4.4 8.3 12.5#



#63
 1,3-Dichlorobenzene
 Concen: 12.15 ug/L
 RT: 13.499 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: VW017933.D
 Acq: 18 Jan 2021 17:06

Tgt Ion: 146 Resp: 80999
 Ion Ratio Lower Upper
 146 100
 111 55.2 28.5 52.9#
 148 66.7 47.8 88.8

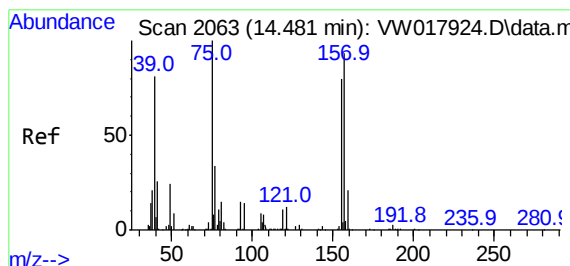
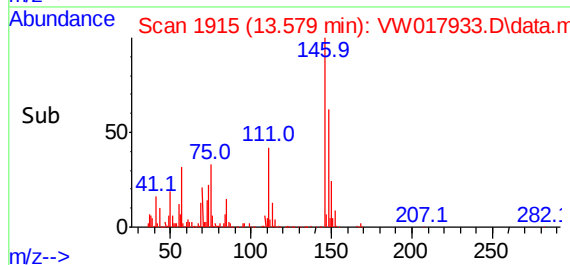
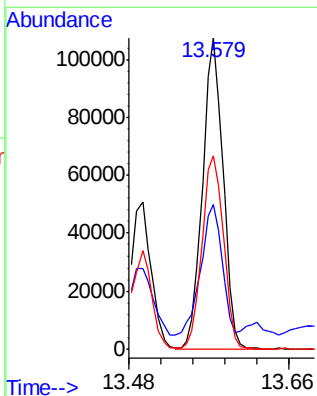
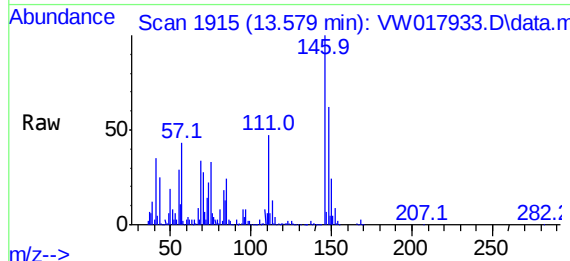




#64
1,4-Dichlorobenzene
Concen: 25.68 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

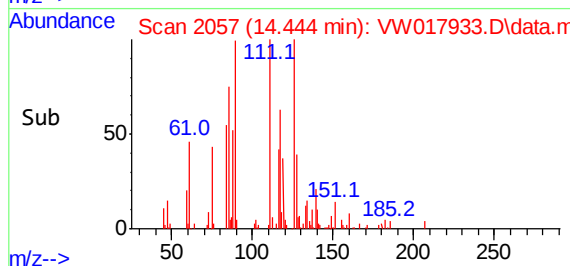
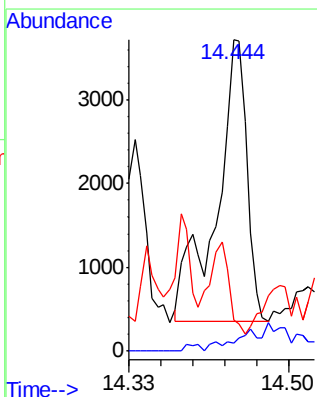
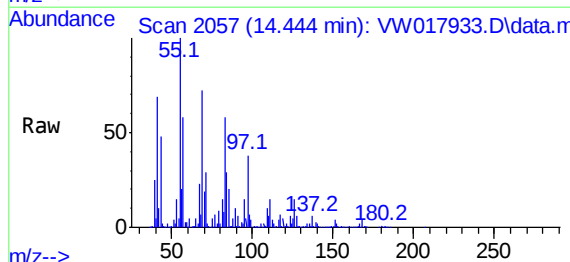
Instrument :
MSVOA_W
ClientSampleId :
F1C16

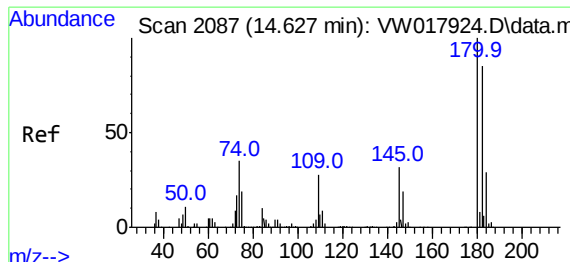
Tgt Ion:146 Resp: 172056
Ion Ratio Lower Upper
146 100
111 46.5 27.7 51.5
148 62.2 47.0 87.2



#66
1,2-Dibromo-3-chloropropane
Concen: 14.96 ug/L
RT: 14.444 min Scan# 2057
Delta R.T. -0.037 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion: 75 Resp: 7524
Ion Ratio Lower Upper
75 100
157 2.2 99.9 149.9#
155 9.8 71.4 107.0#

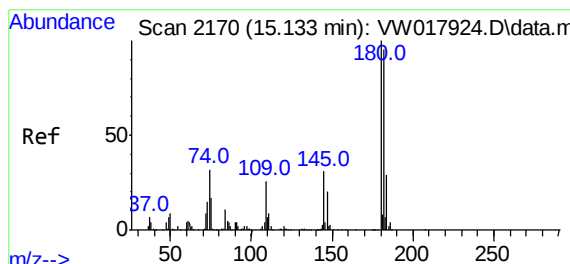
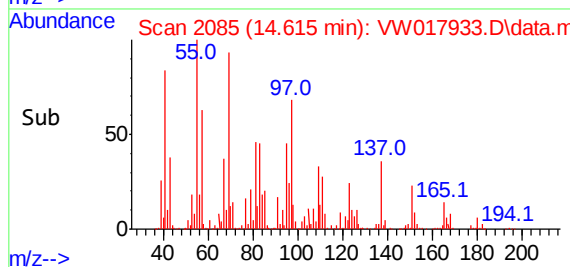
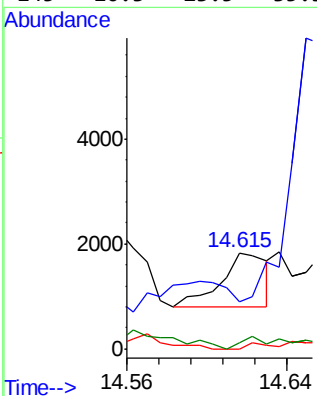
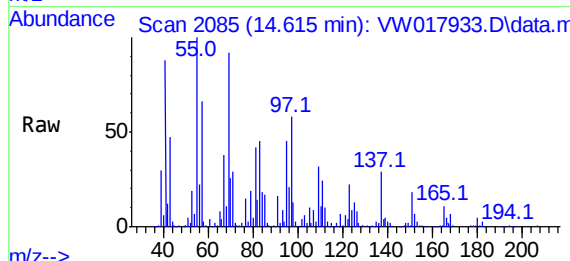




#67
1,3,5-Trichlorobenzene
Concen: 0.33 ug/L
RT: 14.615 min Scan# 2085
Delta R.T. -0.012 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

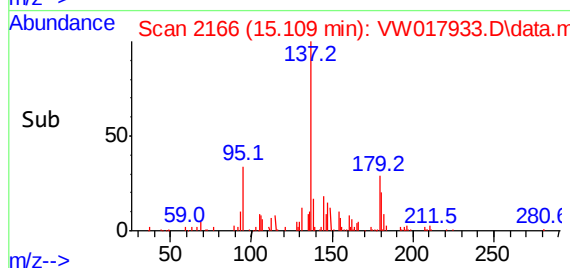
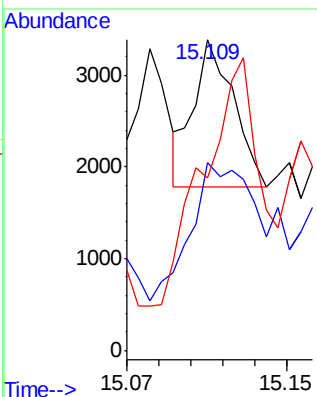
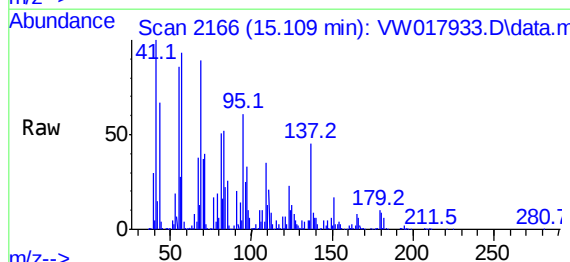
Instrument :
MSVOA_W
ClientSampled :
F1C16

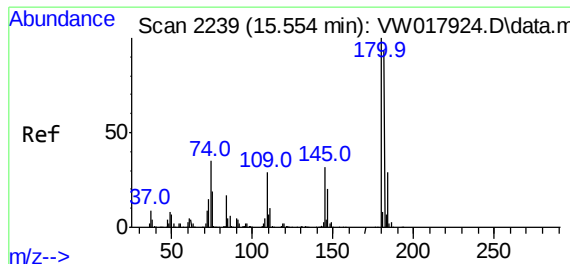
Tgt Ion:180 Resp: 1549
Ion Ratio Lower Upper
180 100
182 81.0 77.0 115.6
184 5.7 24.2 36.4#
145 10.3 23.5 35.3#



#68
1,2,4-trichlorobenzene
Concen: 0.58 ug/L
RT: 15.109 min Scan# 2166
Delta R.T. -0.024 min
Lab File: VW017933.D
Acq: 18 Jan 2021 17:06

Tgt Ion:180 Resp: 2321
Ion Ratio Lower Upper
180 100
182 76.0 71.3 106.9
145 306.8 24.0 36.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.78 ug/L
 RT: 15.566 min Scan# 2241
 Delta R.T. 0.012 min
 Lab File: VW017933.D
 Acq: 18 Jan 2021 17:06

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C16

Tgt Ion:180 Resp: 2716
 Ion Ratio Lower Upper
 180 100
 182 7.4 74.7 112.1#
 145 166.8 25.4 38.0#

