

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122220\
 Data File : VW017701.D
 Acq On : 22 Dec 2020 13:12
 Operator : SY/VA
 Sample : L5179-01RE
 Misc : 4.73G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-24743RE

Quant Time: Dec 23 02:08:46 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 14 12:39:23 2020
 Response via : Initial Calibration

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

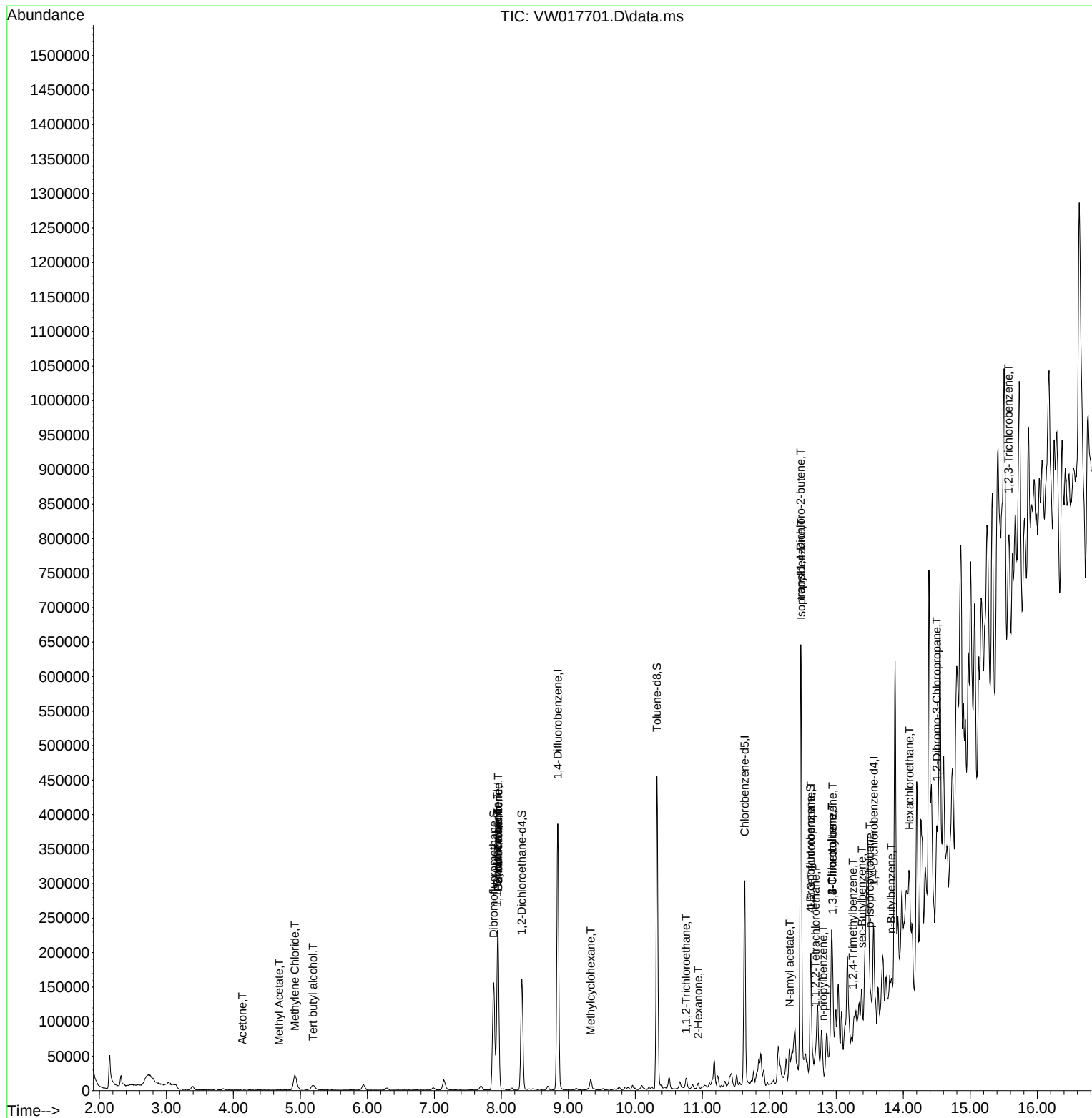
Internal Standards						
1) Pentafluorobenzene	7.952	168	166652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	317836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	160359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	29020	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	127428	62.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.54%	
35) Dibromofluoromethane	7.885	113	108813	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.46%	
50) Toluene-d8	10.323	98	285192	34.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.66%	
62) 4-Bromofluorobenzene	12.615	95	52557	17.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.96%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.190	59	16108	83.63	ug/l	97
16) Acetone	4.135	43	2265	5.13	ug/l	93
18) Methyl Acetate	4.684	43	1160	1.29	ug/l #	86
20) Methylene Chloride	4.916	84	17519	4.14	ug/l #	83
26) 2,2-Dichloropropane	7.171	77	270	Below Cal	#	50
31) Cyclohexane	7.946	56	5885	1.68	ug/l #	46
36) 1,1-Dichloropropene	7.939	75	13864	4.17	ug/l #	48
38) Carbon Tetrachloride	7.952	117	16916	5.06	ug/l #	12
39) Methylcyclohexane	9.335	83	6530	1.55	ug/l	98
55) 1,1,2-Trichloroethane	10.756	97	5899	3.62	ug/l #	22
59) 2-Hexanone	10.939	43	3188	3.67	ug/l #	26
73) Isopropylbenzene	12.475	105	26820	11.69	ug/l #	60
74) N-amyl acetate	12.304	43	2558	5.32	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.689	83	1887	4.93	ug/l #	71
76) 1,2,3-Trichloropropane	12.621	75	29049	103.99	ug/l #	1
78) n-propylbenzene	12.804	91	2988	1.10	ug/l	100
79) 2-Chlorotoluene	12.938	91	1927	1.27	ug/l	92
80) 1,3,5-Trimethylbenzene	12.945	105	4182	2.15	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	1122	8.14	ug/l #	1
82) 4-Chlorotoluene	12.938	91	1712	1.07	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	6146	3.21	ug/l	85
85) sec-Butylbenzene	13.384	105	22946	9.84	ug/l	99
86) p-Isopropyltoluene	13.499	119	29214	13.87	ug/l #	78
89) n-Butylbenzene	13.823	91	6132	2.96	ug/l #	76
90) Hexachloroethane	14.091	117	2276	5.50	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.499	75	357	5.13	ug/l #	41
96) 1,2,3-Trichlorobenzene	15.572	180	9736	20.21	ug/l #	11

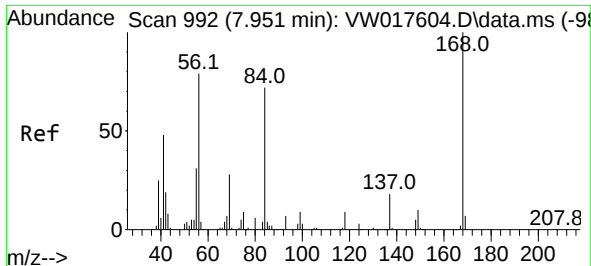
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

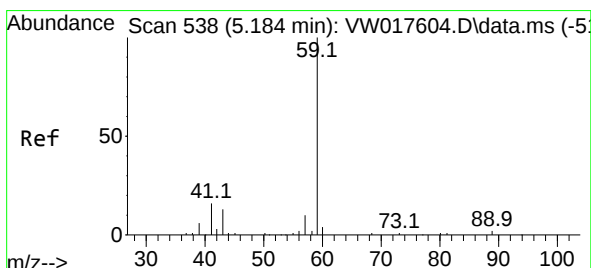
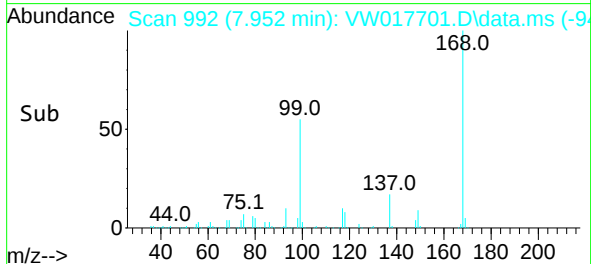
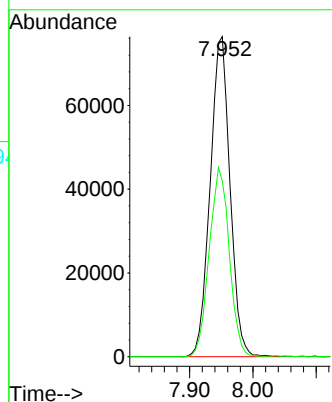
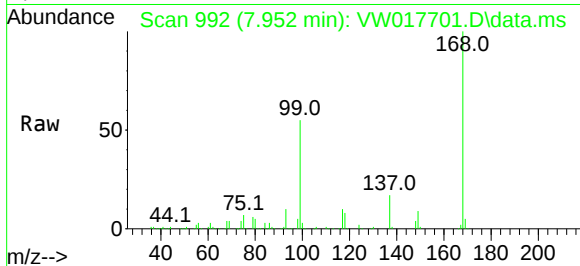




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

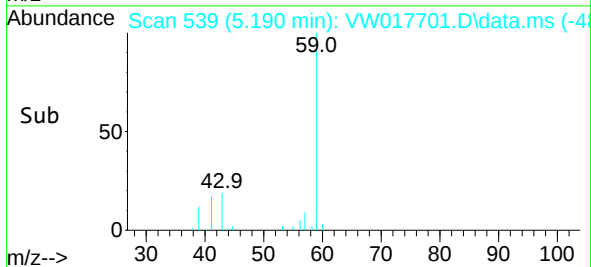
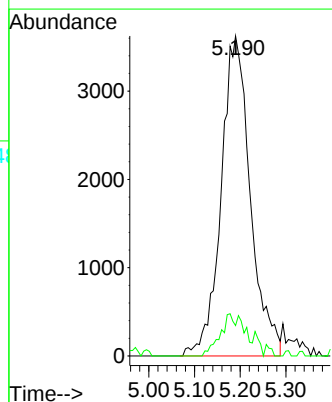
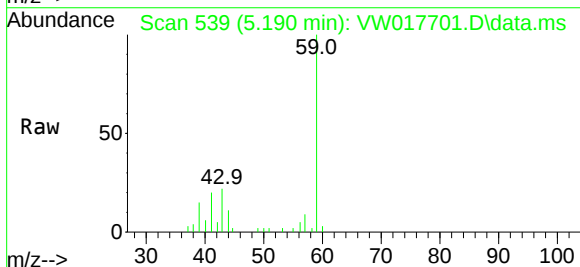
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

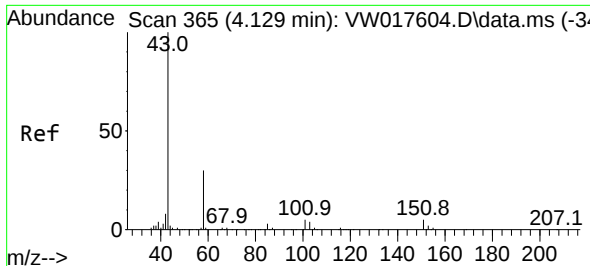
Tgt Ion:168 Resp: 166652
Ion Ratio Lower Upper
168 100
99 54.9 40.7 61.1



#11
Tert butyl alcohol
Concen: 83.63 ug/l
RT: 5.190 min Scan# 539
Delta R.T. 0.006 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion: 59 Resp: 16108
Ion Ratio Lower Upper
59 100
57 6.8 4.7 7.1

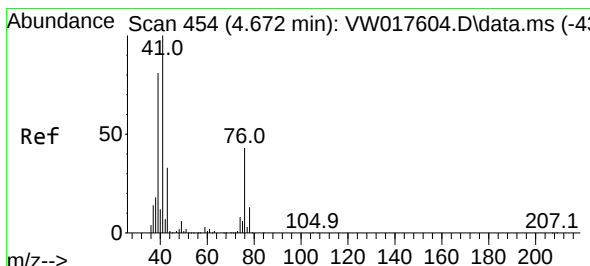
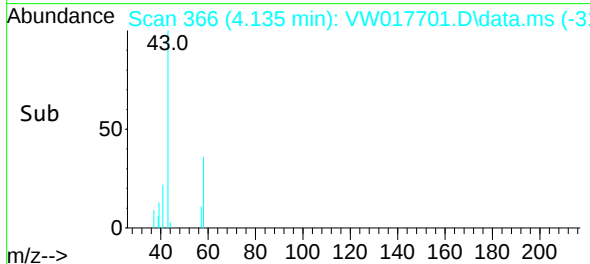
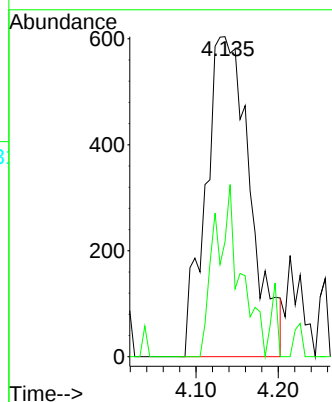
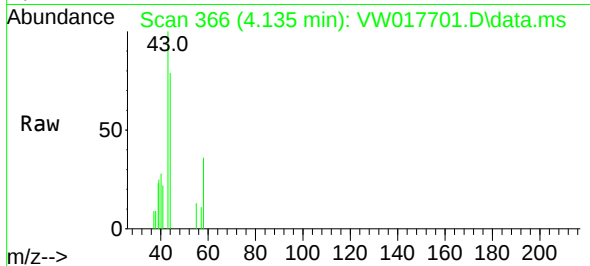




#16
Acetone
Concen: 5.13 ug/l
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

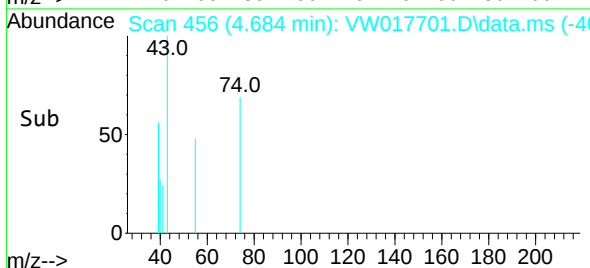
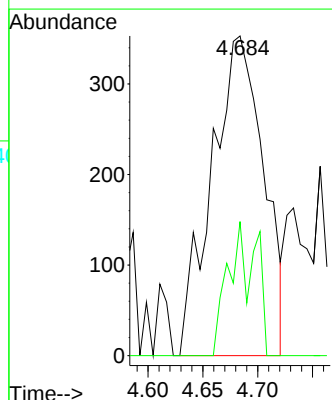
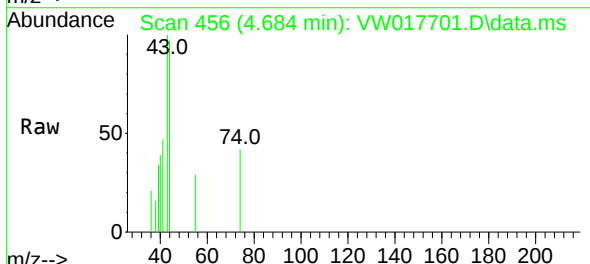
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

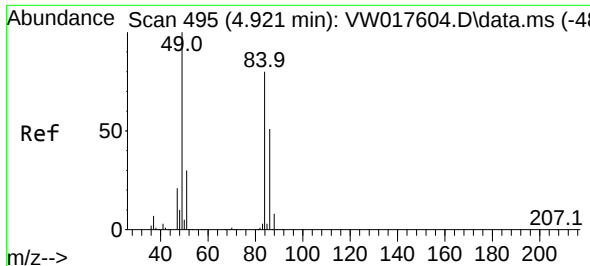
Tgt Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
58 35.9 25.7 38.5



#18
Methyl Acetate
Concen: 1.29 ug/l
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

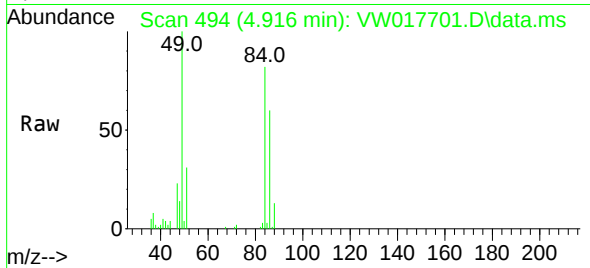
Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
74 22.2 23.8 35.6#



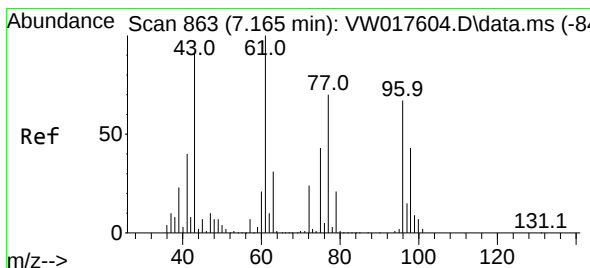
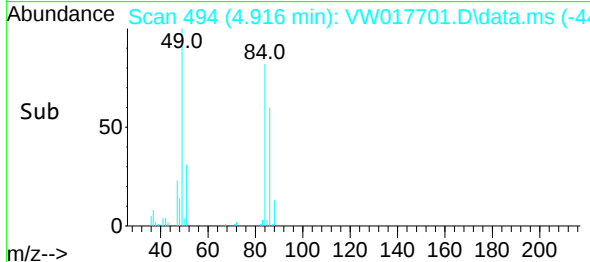
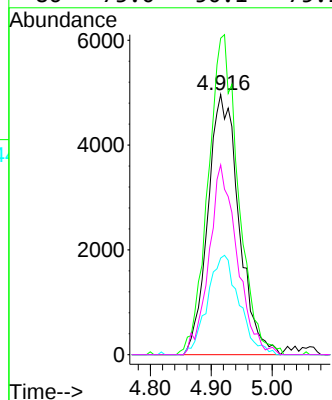


#20
Methylene Chloride
Concen: 4.14 ug/l
RT: 4.916 min Scan# 494
Delta R.T. -0.005 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

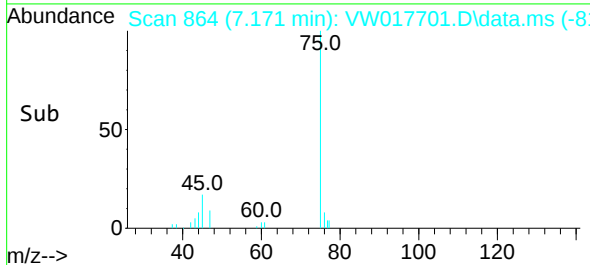
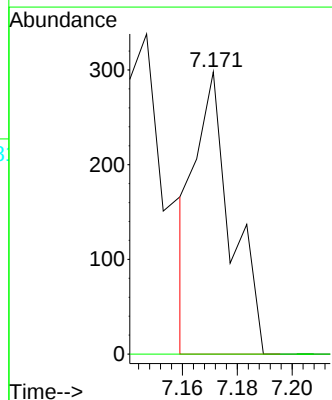
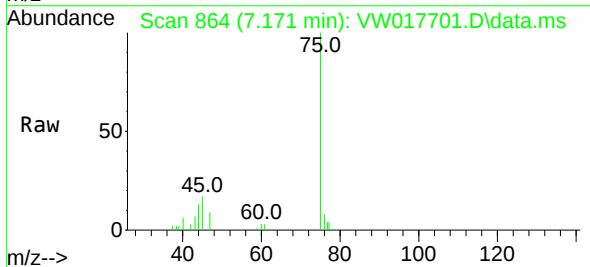


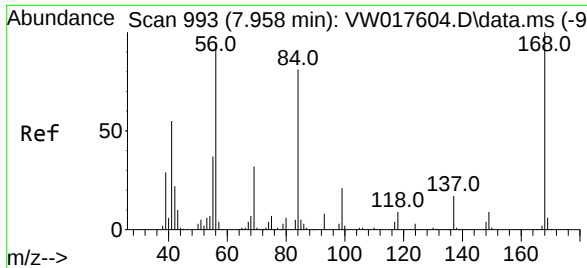
Tgt Ion:	84	Resp:	17519
Ion	Ratio	Lower	Upper
84	100		
49	120.4	79.0	118.6#
51	37.2	26.1	39.1
86	73.0	50.1	75.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion:	77	Resp:	270
Ion	Ratio	Lower	Upper
77	100		
97	0.0	12.4	37.4#

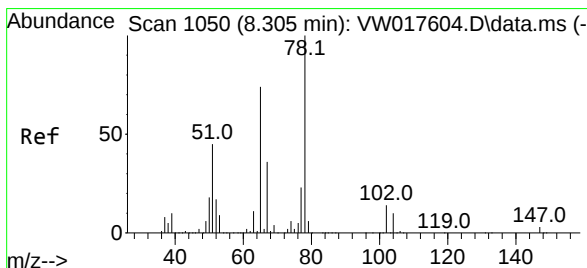
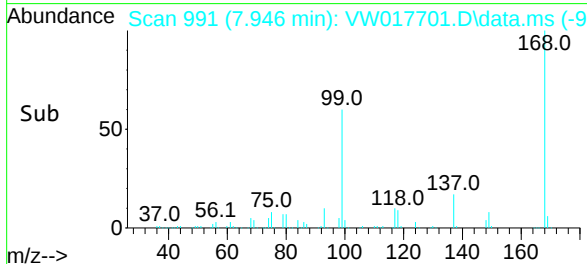
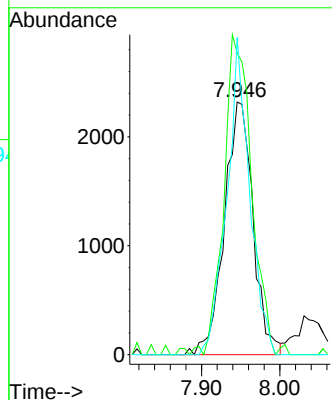
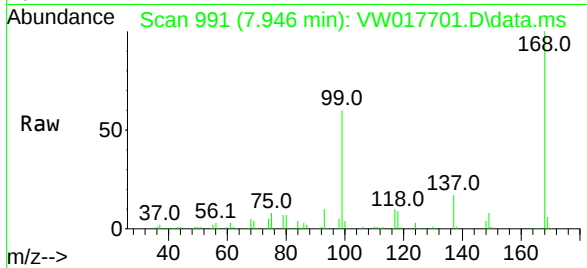




#31
Cyclohexane
Concen: 1.68 ug/l
RT: 7.946 min Scan# 991
Delta R.T. -0.013 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

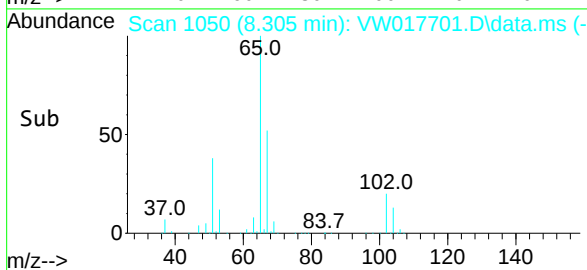
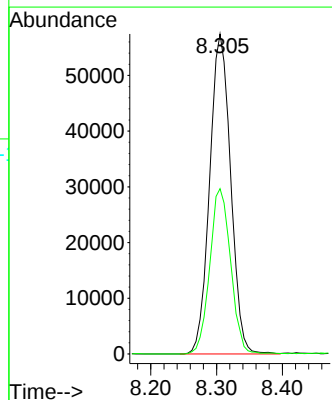
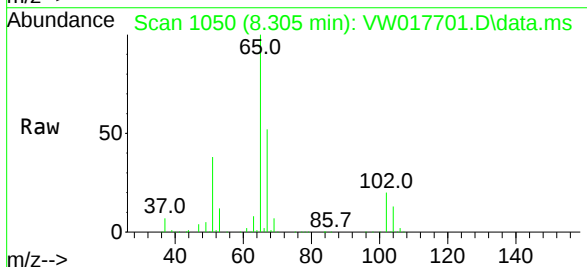
Instrument :
MSVOA_W
ClientSampleId :
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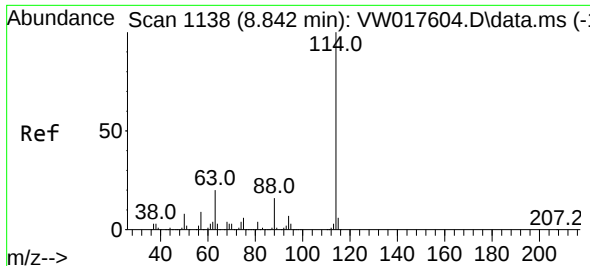
Tgt Ion: 56 Resp: 5885
Ion Ratio Lower Upper
56 100
69 117.0 29.3 43.9#
84 125.5 80.5 120.7#



#33
1,2-Dichloroethane-d4
Concen: 62.77 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

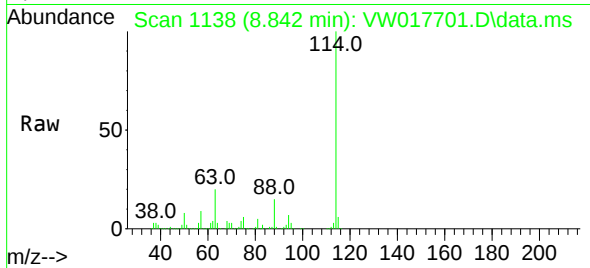
Tgt Ion: 65 Resp: 127428
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8



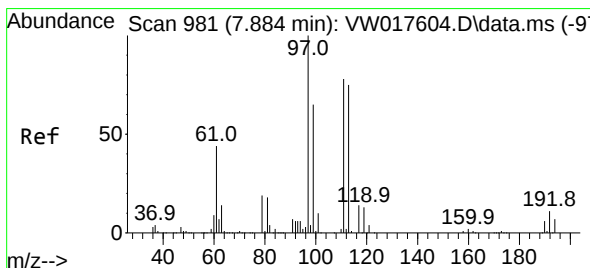
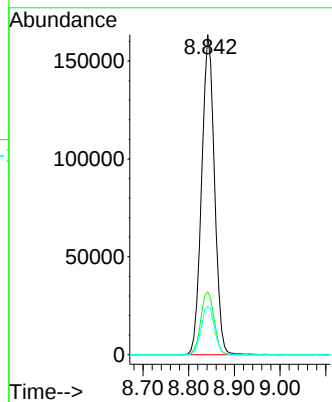
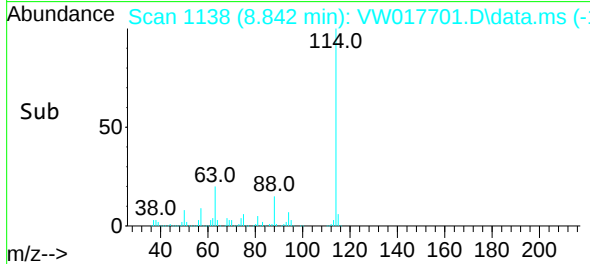


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

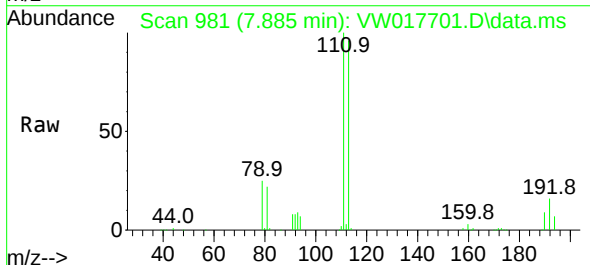
Instrument :
MSVOA_W
ClientSampleId :
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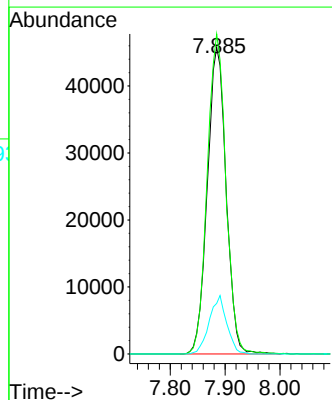
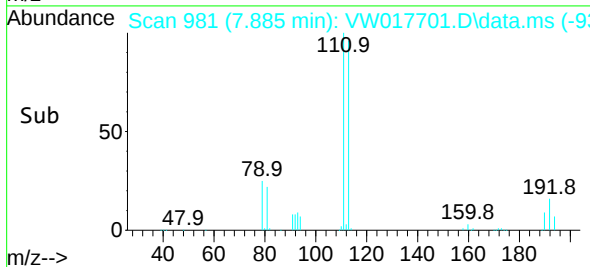
Tgt Ion:114 Resp: 317836
Ion Ratio Lower Upper
114 100
63 19.6 0.0 35.6
88 15.1 0.0 30.4

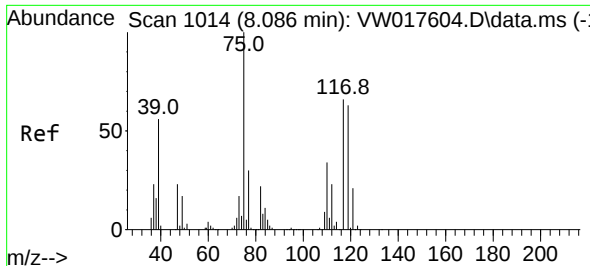


#35
Dibromofluoromethane
Concen: 51.73 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.001 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12



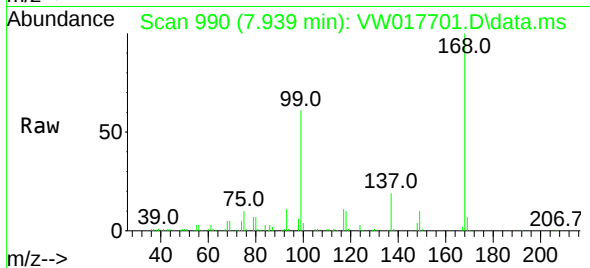
Tgt Ion:113 Resp: 108813
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.2
192 17.7 17.8 26.8#



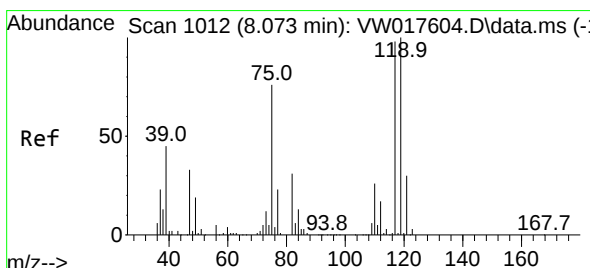
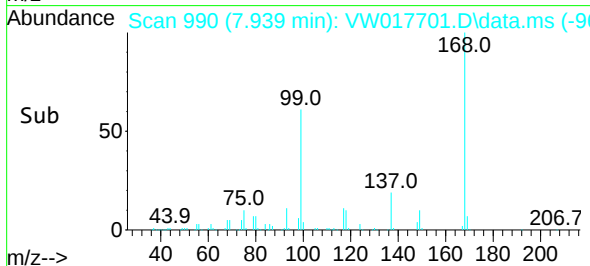
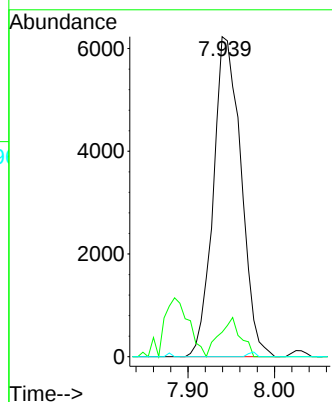


#36
1,1-Dichloropropene
Concen: 4.17 ug/l
RT: 7.939 min Scan# 990
Delta R.T. -0.147 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Instrument :
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ClientSampleId :
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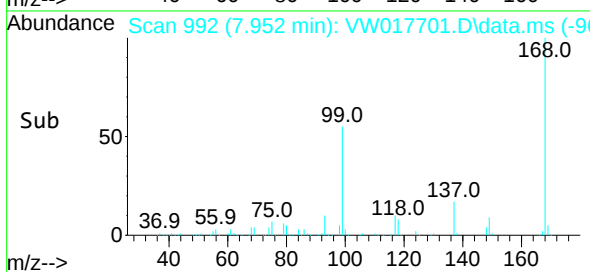
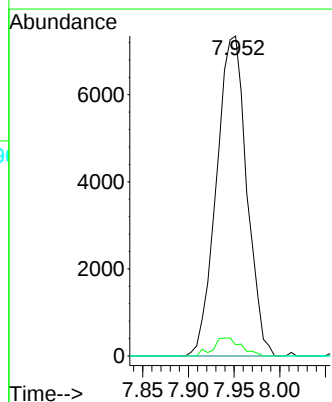
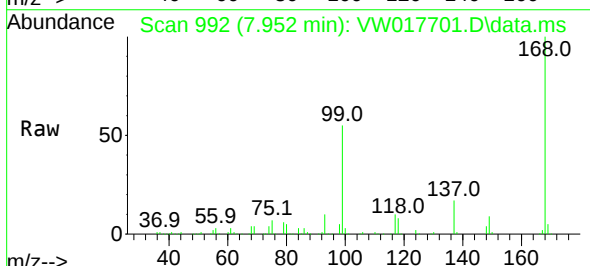


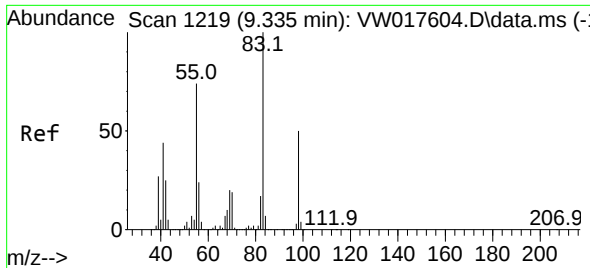
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.3	57.9#
77	0.0	25.0	37.6#



#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.121 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	81.6	122.4#
121	0.0	25.7	38.5#

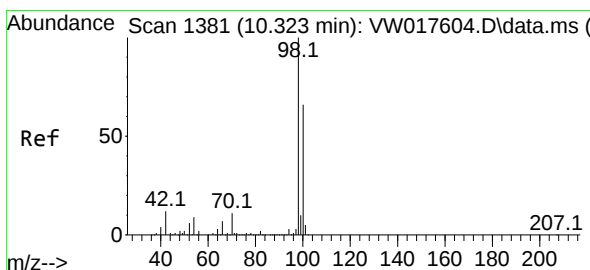
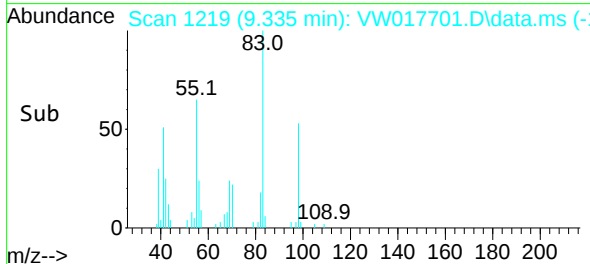
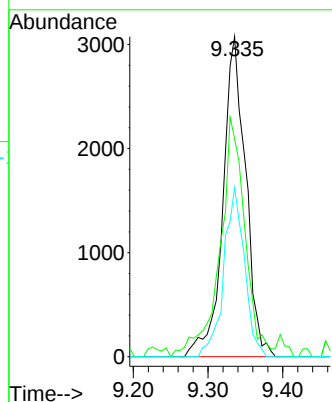
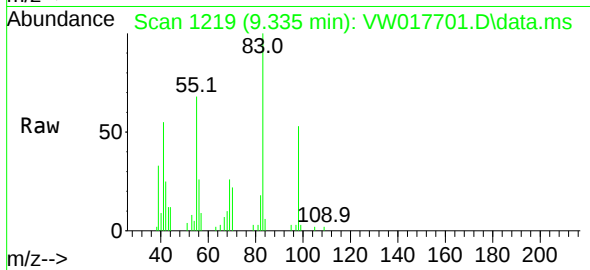




#39
Methylcyclohexane
Concen: 1.55 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

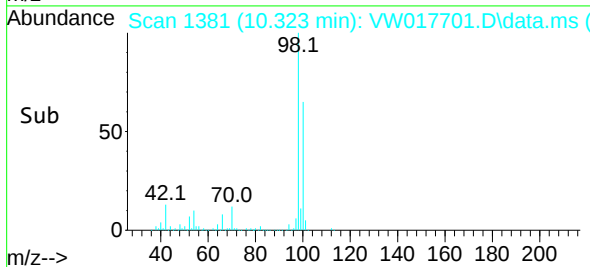
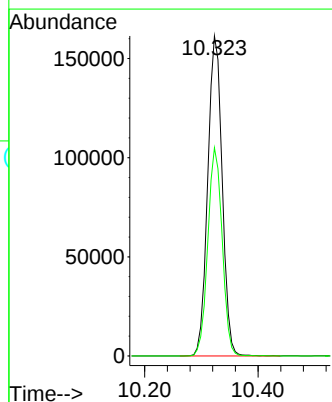
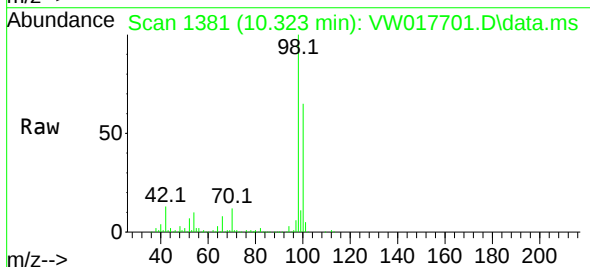
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

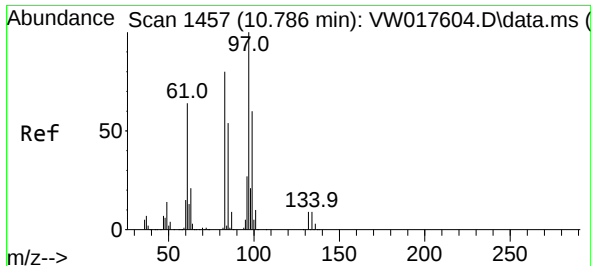
Tgt Ion: 83 Resp: 6530
Ion Ratio Lower Upper
83 100
55 66.1 51.7 77.5
98 52.8 41.0 61.4



#50
Toluene-d8
Concen: 34.83 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

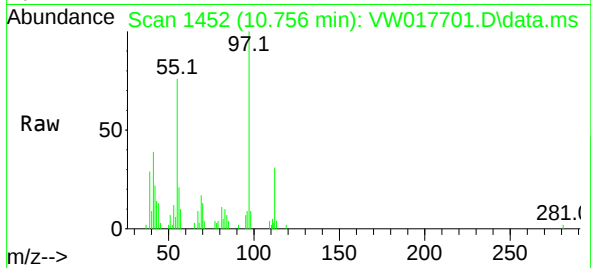
Tgt Ion: 98 Resp: 285192
Ion Ratio Lower Upper
98 100
100 64.7 53.3 79.9



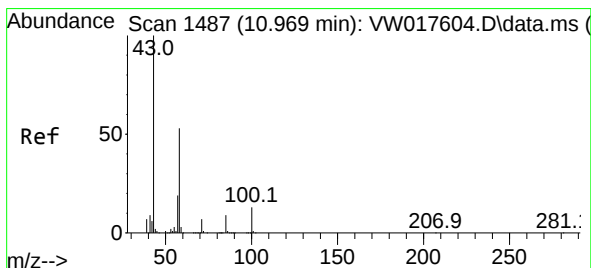
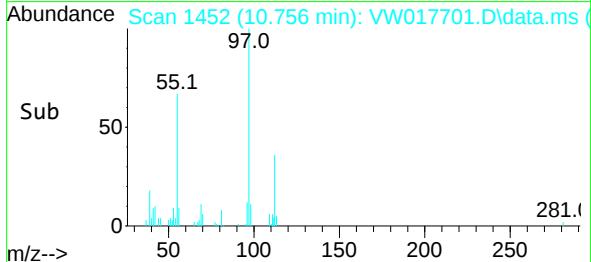
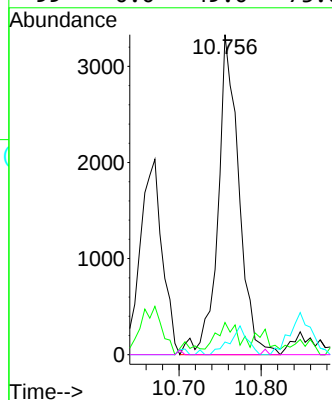


#55
1,1,2-Trichloroethane
Concen: 3.62 ug/l
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

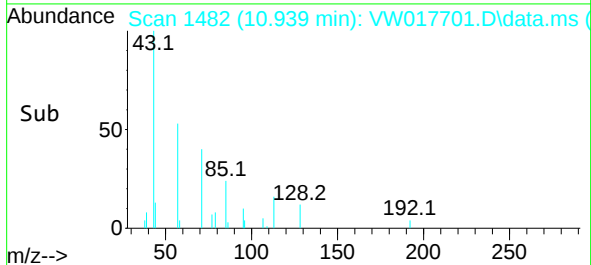
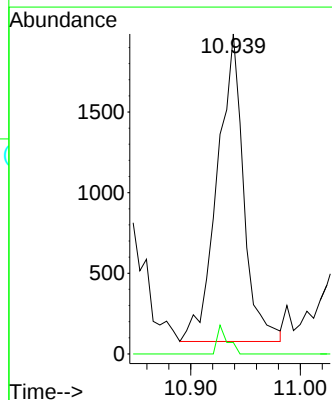
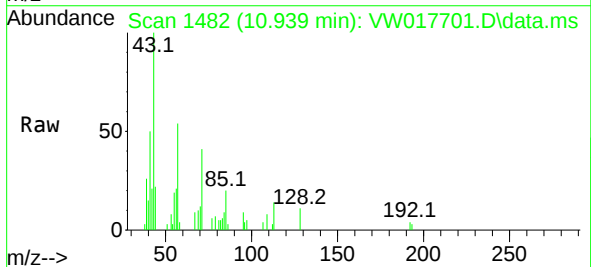


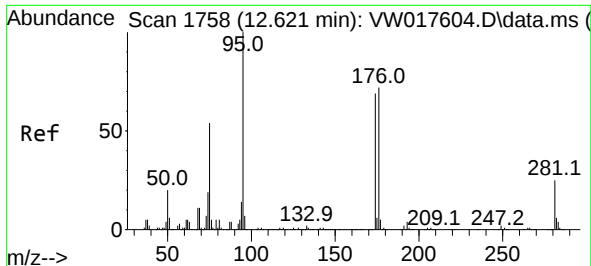
Tgt Ion	Ratio	Lower	Upper
97	100		
83	8.3	64.6	97.0#
85	2.4	40.6	61.0#
99	0.0	49.0	73.6#



#59
2-Hexanone
Concen: 3.67 ug/l
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	3.7	29.5	88.5#

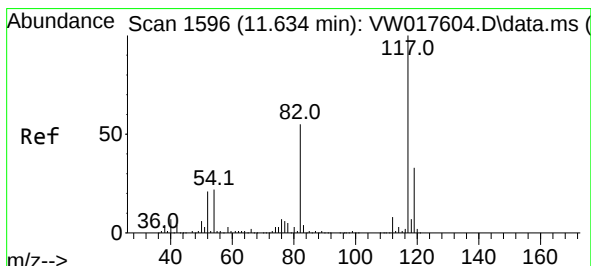
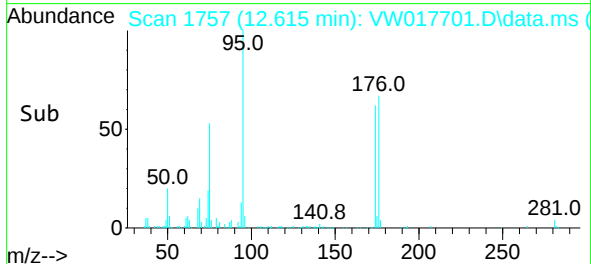
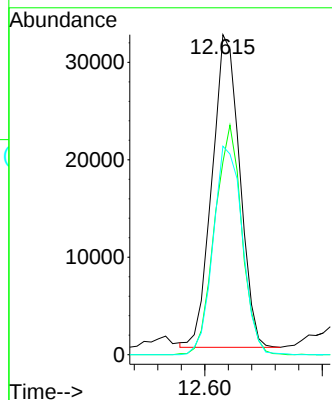
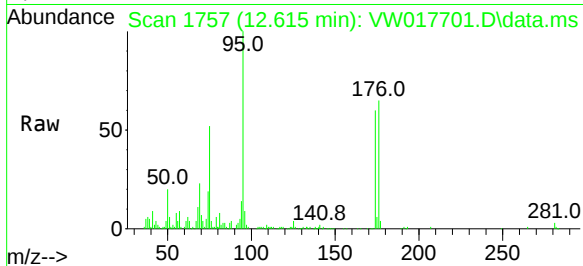




#62
4-Bromofluorobenzene
Concen: 17.98 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.006 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

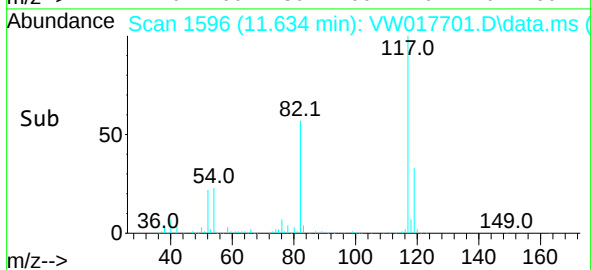
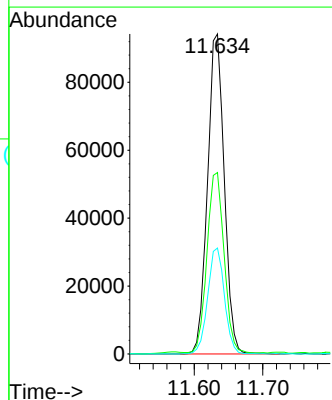
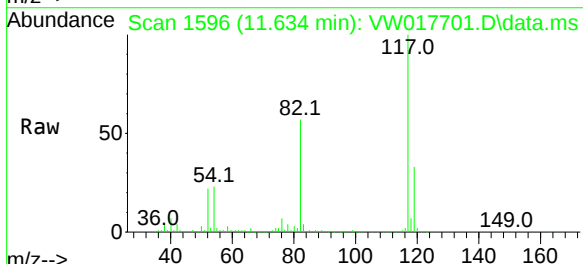
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

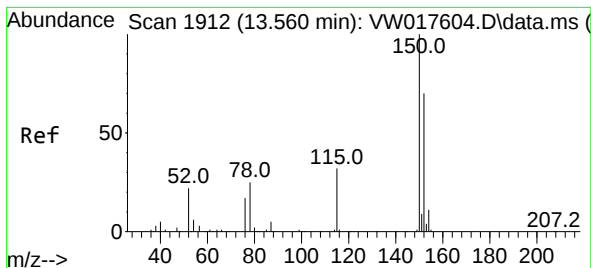
Tgt Ion:	95	Resp:	52557
Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	180.6
176	70.2	0.0	177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion:	117	Resp:	160359
Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.7	61.1
119	33.1	25.0	37.4

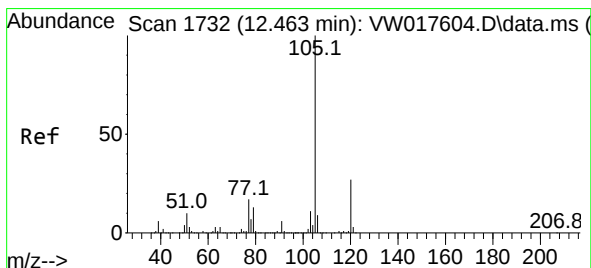
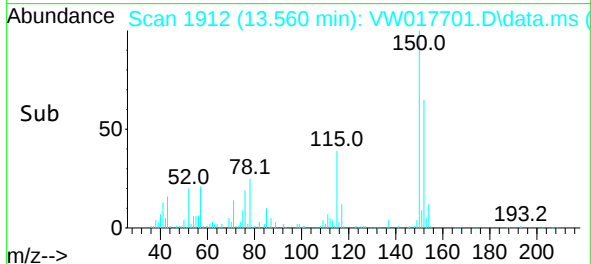
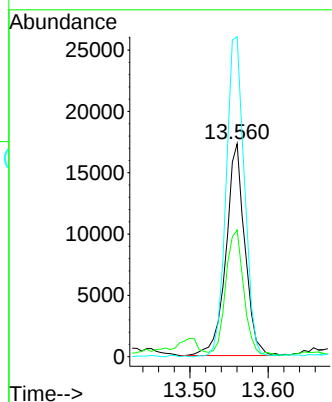
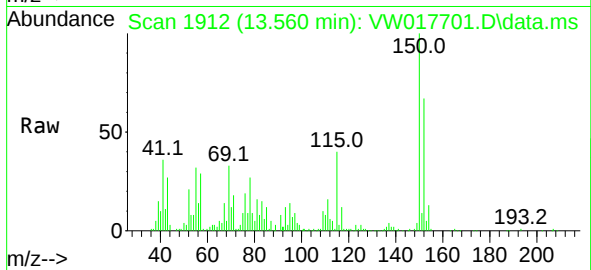




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

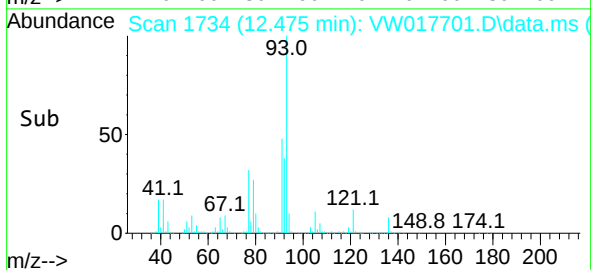
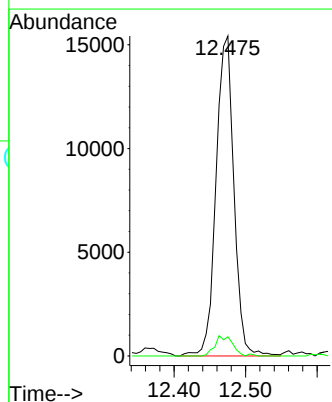
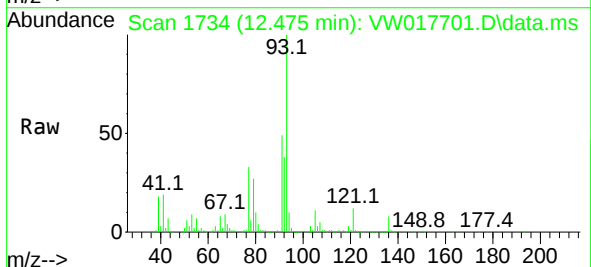
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

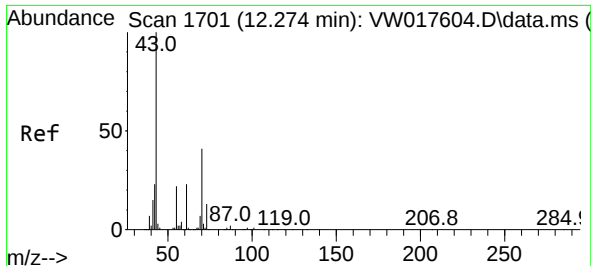
Tgt Ion:152 Resp: 29020
Ion Ratio Lower Upper
152 100
115 56.8 27.9 83.7
150 146.1 0.0 344.0



#73
Isopropylbenzene
Concen: 11.69 ug/l
RT: 12.475 min Scan# 1734
Delta R.T. 0.012 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

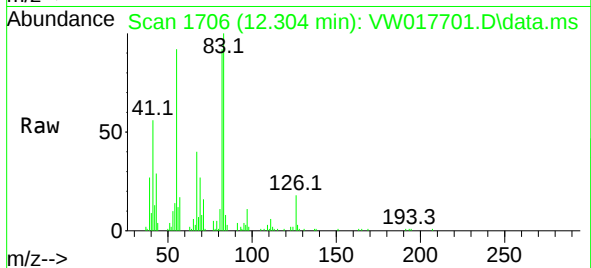
Tgt Ion:105 Resp: 26820
Ion Ratio Lower Upper
105 100
120 6.1 13.6 40.7#



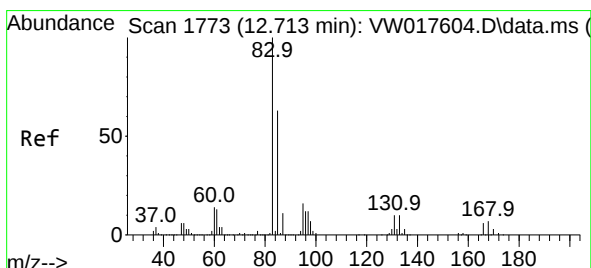
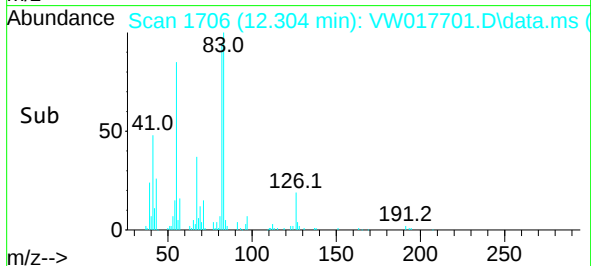
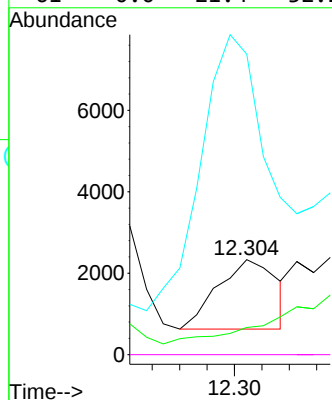


#74
N-amy1 acetate
Concen: 5.32 ug/l
RT: 12.304 min Scan# 1706
Delta R.T. 0.030 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

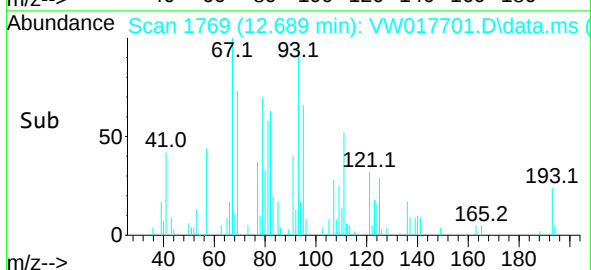
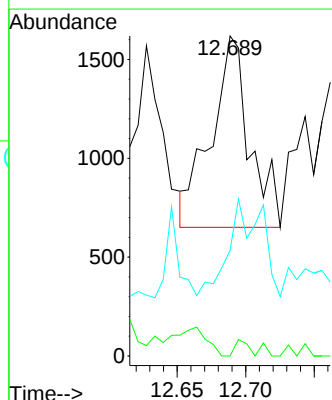
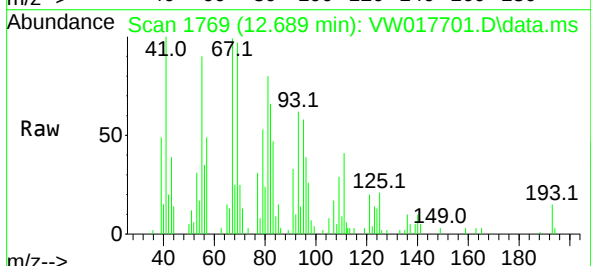


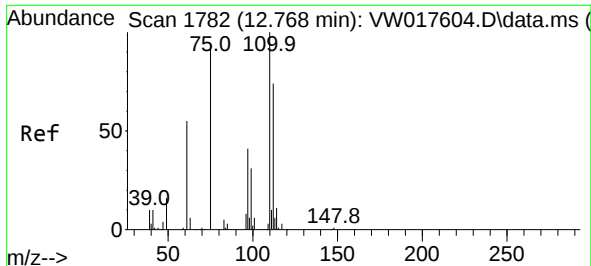
Tgt Ion:	43	Resp:	2558
Ion Ratio	Lower	Upper	
43	100		
70	0.0	40.2	60.4#
55	461.3	21.4	32.0#
61	0.0	21.4	32.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.93 ug/l
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion:	83	Resp:	1887
Ion Ratio	Lower	Upper	
83	100		
131	4.0	6.1	18.3#
85	40.9	32.7	98.1

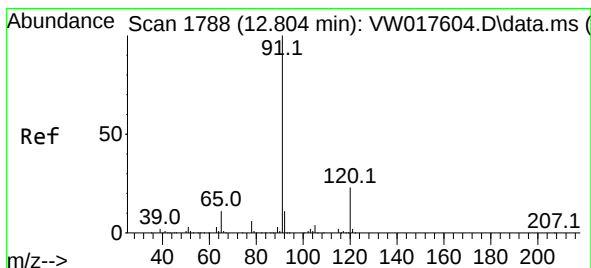
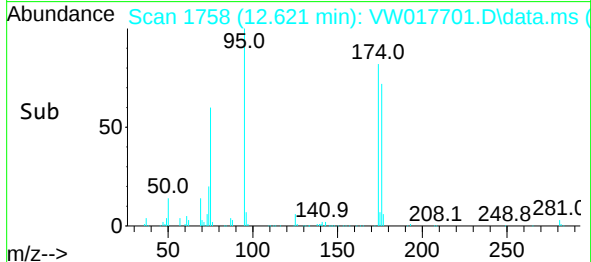
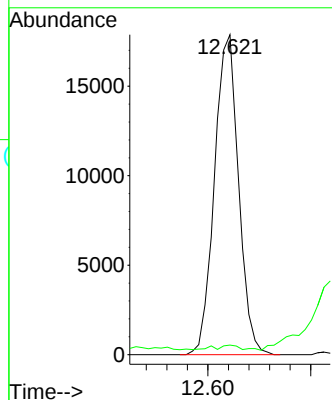
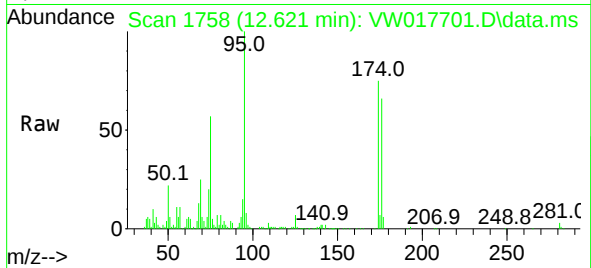




#76
1,2,3-Trichloropropane
Concen: 103.99 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

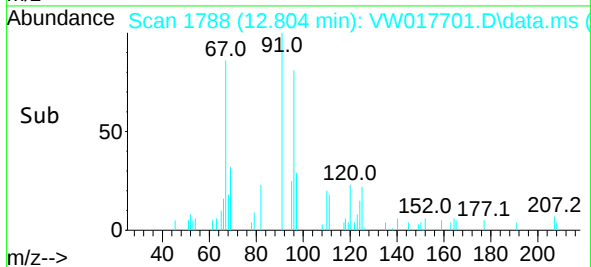
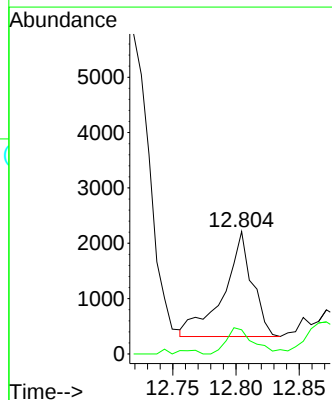
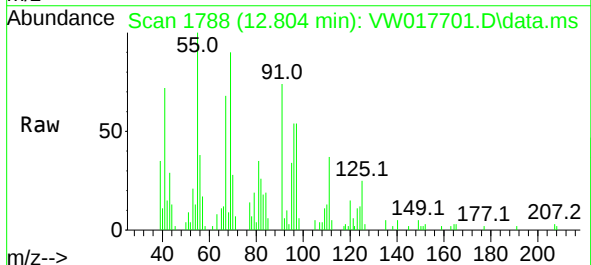
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

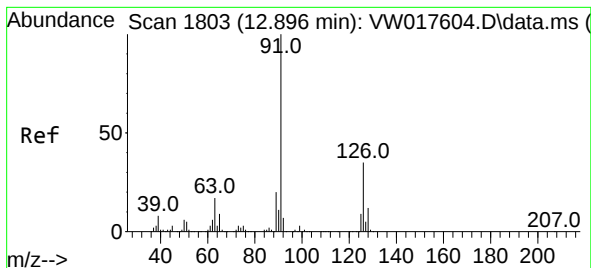
Tgt Ion: 75 Resp: 29049
Ion Ratio Lower Upper
75 100
77 0.0 178.8 536.3#



#78
n-propylbenzene
Concen: 1.10 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion: 91 Resp: 2988
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.1

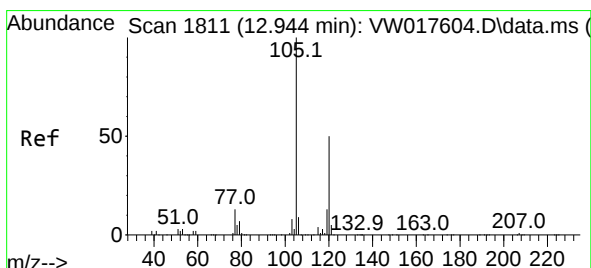
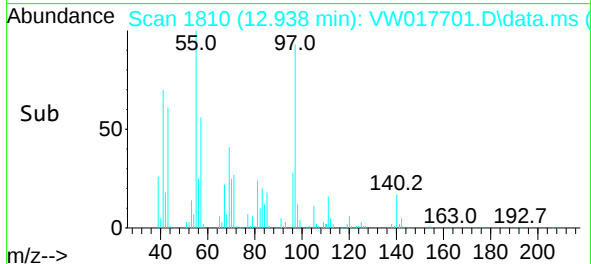
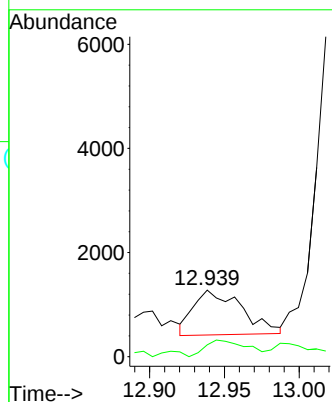
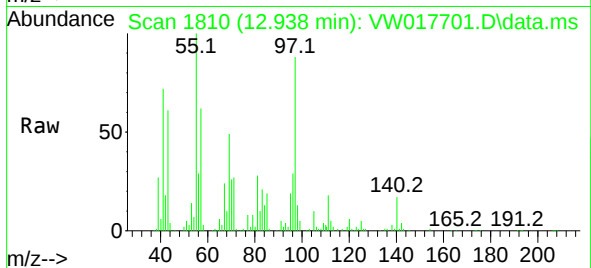




#79
2-Chlorotoluene
Concen: 1.27 ug/l
RT: 12.938 min Scan# 1810
Delta R.T. 0.042 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

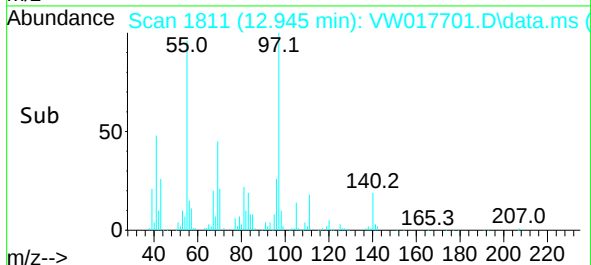
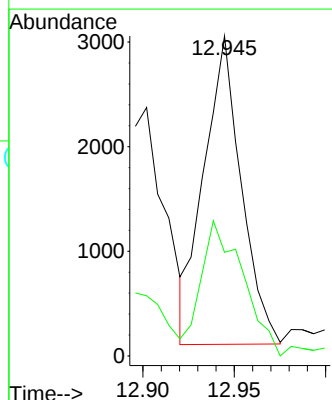
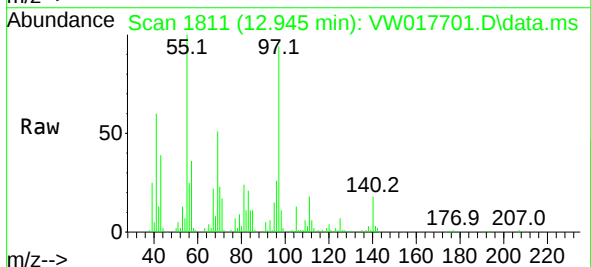
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

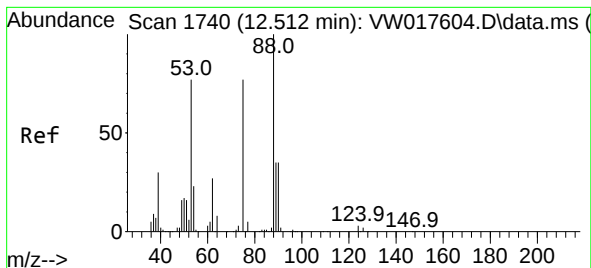
Tgt Ion: 91 Resp: 1927
Ion Ratio Lower Upper
91 100
126 31.4 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 2.15 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.001 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion:105 Resp: 4182
Ion Ratio Lower Upper
105 100
120 47.7 24.9 74.8

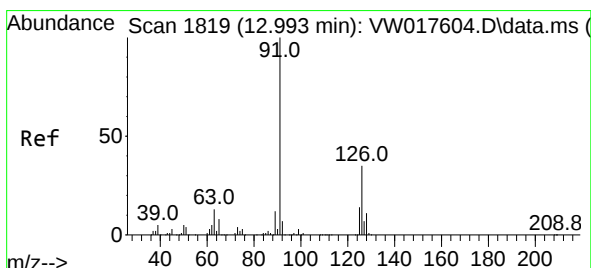
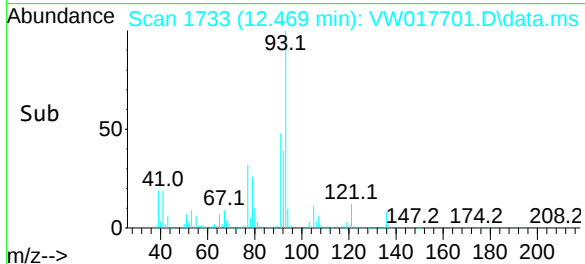
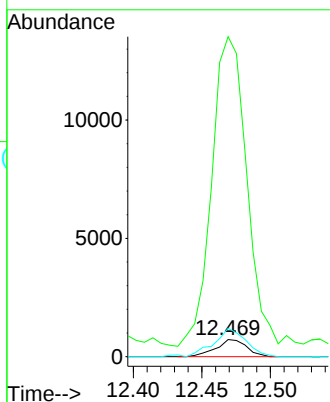
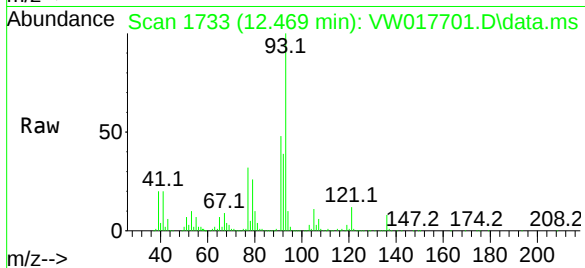




#81
trans-1,4-Dichloro-2-butene
Concen: 8.14 ug/l
RT: 12.469 min Scan# 1733
Delta R.T. -0.043 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

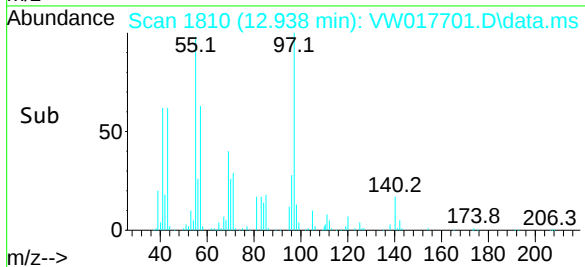
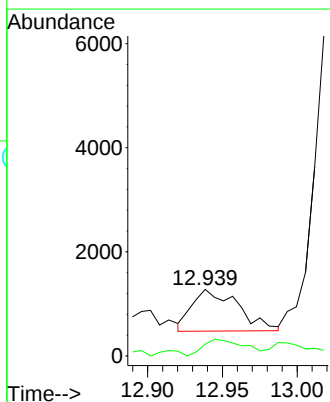
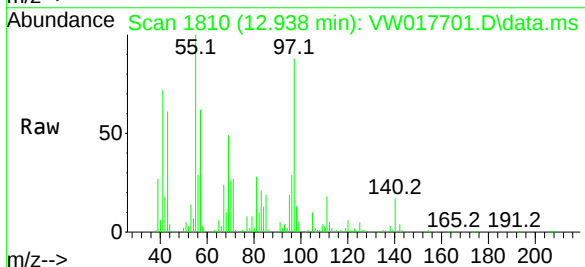
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

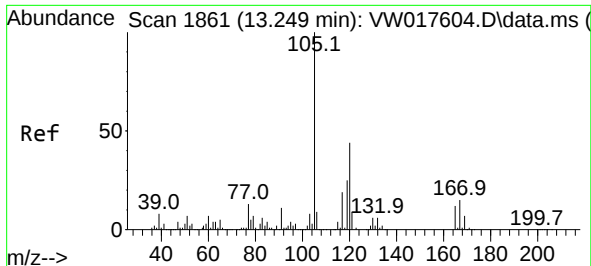
Tgt Ion: 75 Resp: 1122
Ion Ratio Lower Upper
75 100
53 2099.1 77.0 115.4#
89 176.6 38.7 58.1#



#82
4-Chlorotoluene
Concen: 1.07 ug/l
RT: 12.938 min Scan# 1810
Delta R.T. -0.055 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

Tgt Ion: 91 Resp: 1712
Ion Ratio Lower Upper
91 100
126 35.4 18.1 54.3

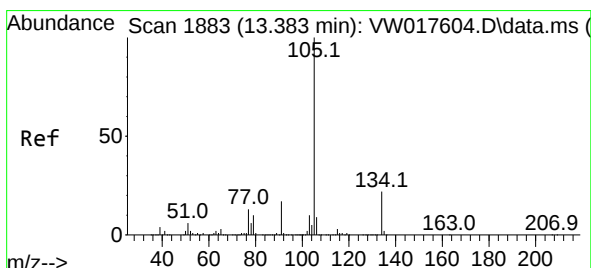
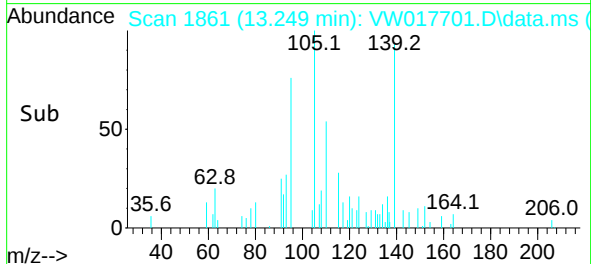
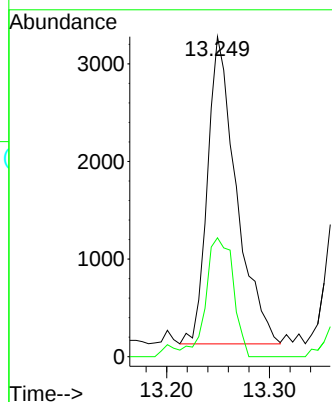
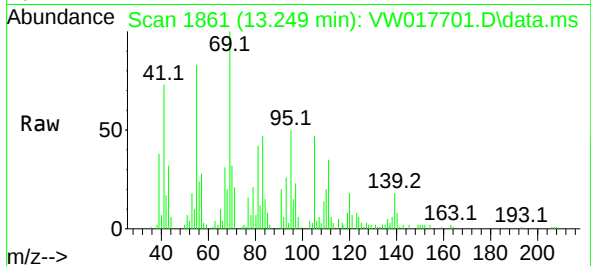




#84
1,2,4-Trimethylbenzene
Concen: 3.21 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

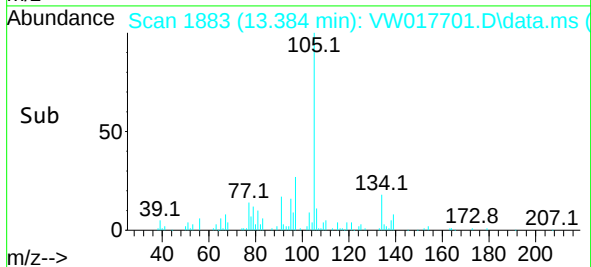
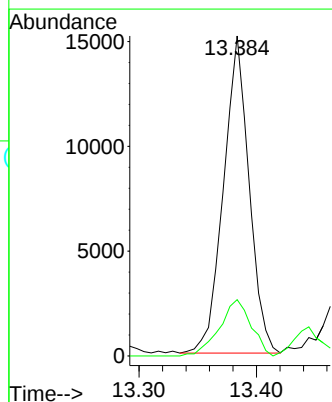
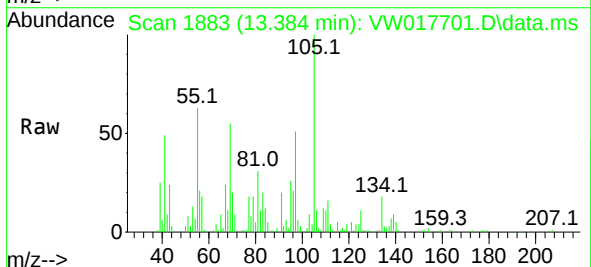
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

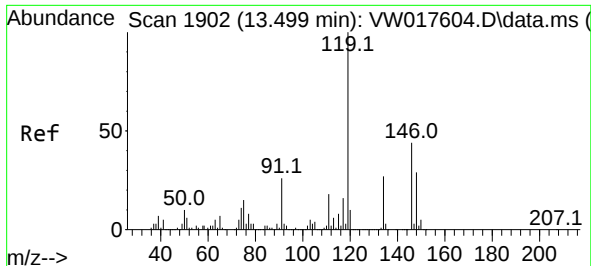
Tgt Ion:105 Resp: 6146
Ion Ratio Lower Upper
105 100
120 36.5 23.4 70.0



#85
sec-Butylbenzene
Concen: 9.84 ug/l
RT: 13.384 min Scan# 1883
Delta R.T. 0.001 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

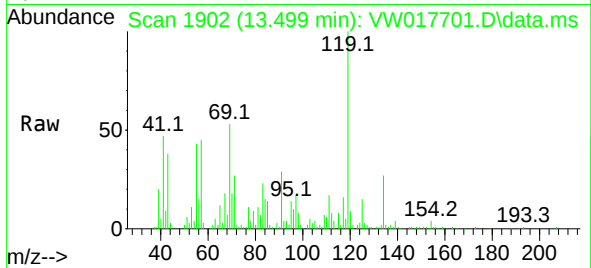
Tgt Ion:105 Resp: 22946
Ion Ratio Lower Upper
105 100
134 21.9 10.6 31.8



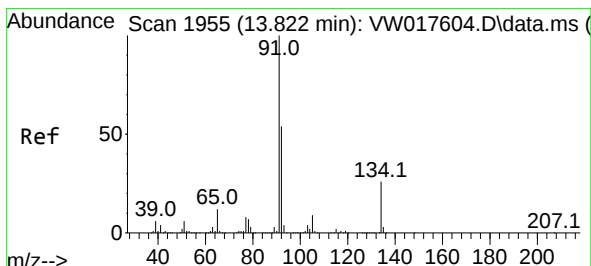
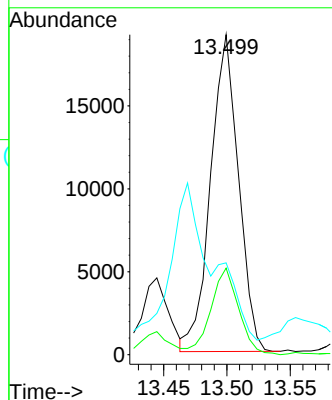
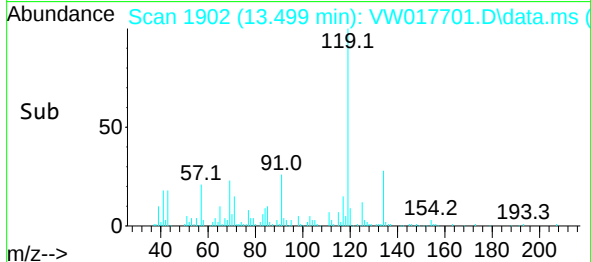


#86
p-Isopropyltoluene
Concen: 13.87 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

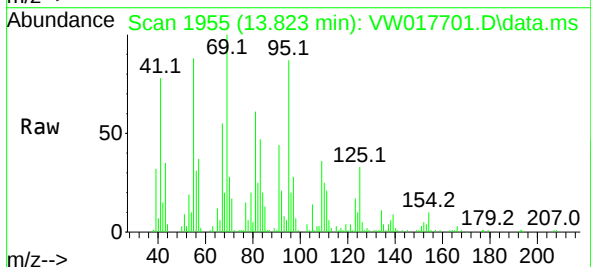
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE



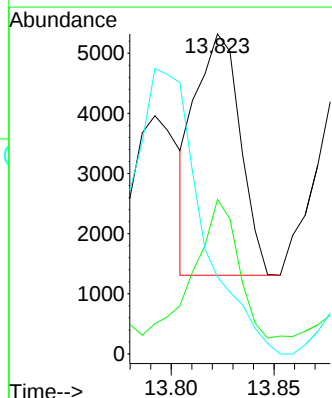
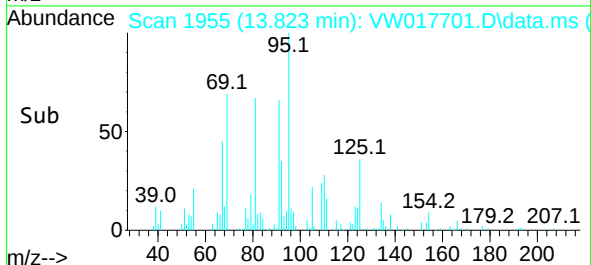
Tgt Ion:119 Resp: 29214
Ion Ratio Lower Upper
119 100
134 27.1 13.8 41.3
91 0.0 11.3 33.9#

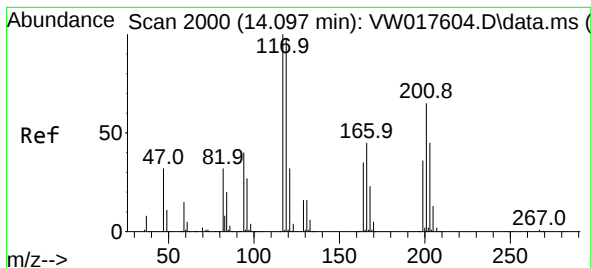


#89
n-Butylbenzene
Concen: 2.96 ug/l
RT: 13.823 min Scan# 1955
Delta R.T. 0.001 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12



Tgt Ion: 91 Resp: 6132
Ion Ratio Lower Upper
91 100
92 59.2 26.6 79.7
134 0.0 14.3 42.9#

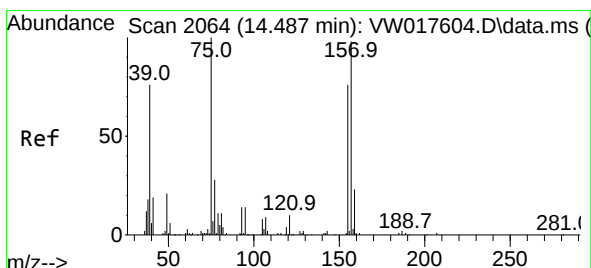
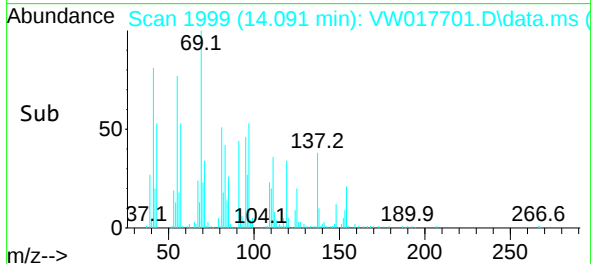
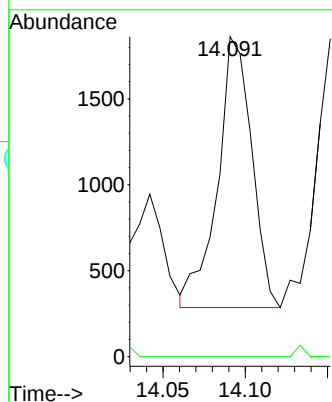
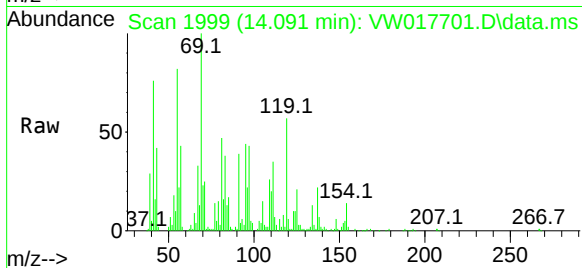




#90
Hexachloroethane
Concen: 5.50 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. -0.006 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

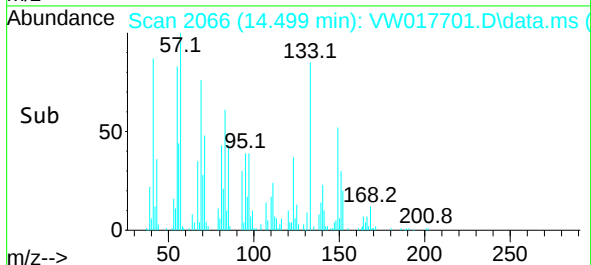
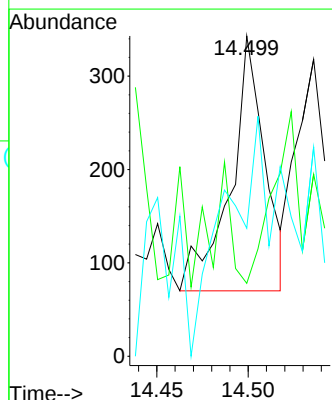
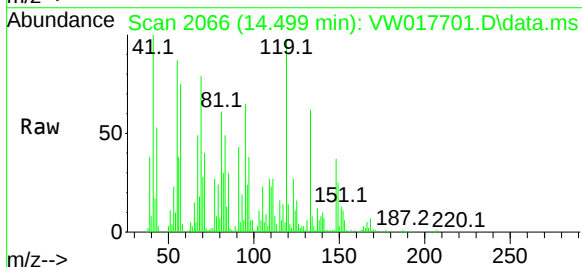
Instrument :
MSVOA_W
ClientSampleId :
CHRT-24743RE

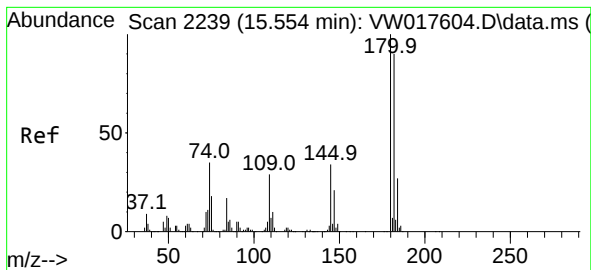
Tgt Ion:117 Resp: 2276
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.13 ug/l
RT: 14.499 min Scan# 2066
Delta R.T. 0.012 min
Lab File: VW017701.D
Acq: 22 Dec 2020 13:12

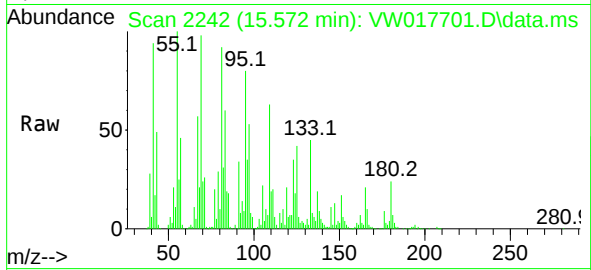
Tgt Ion: 75 Resp: 357
Ion Ratio Lower Upper
75 100
155 0.0 47.6 142.8#
157 157.4 62.2 186.6





#96
 1,2,3-Trichlorobenzene
 Concen: 20.21 ug/l
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW017701.D
 Acq: 22 Dec 2020 13:12

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-24743RE



Tgt Ion:180 Resp: 9736
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.4 148.2#
 145 0.0 16.3 48.9#

