

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
 Data File : VW018822.D
 Acq On : 28 Apr 2021 15:55
 Operator : SY/VA
 Sample : M2177-06RE
 Misc : 3.63G/10ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 29 00:15:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 29 00:13:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	438239	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	258908	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	76344	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	74504	11.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.76%
7) Chloroethane-d5	2.891	69	83053	14.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.28%
11) 1,1-Dichloroethene-d2	4.019	63	105540	9.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	36.52%#
21) 2-Butanone-d5	7.086	46	104666	69.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.08%#
24) Chloroform-d	7.653	84	231734	19.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.08%
26) 1,2-Dichloroethane-d4	8.488	65	908	0.13	ug/L	0.18
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.52%#
32) Benzene-d6	8.281	84	366897	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	9.274	67	132435	28.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.72%
41) Toluene-d8	10.323	98	242436	17.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.80%
43) trans-1,3-Dichloroprop...	10.579	79	36556	18.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.04%
47) 2-Hexanone-d5	10.927	63	84639	106.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	212.68%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	107651	28.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.64%
66) 1,2-Dichlorobenzene-d4	13.853	152	52811	19.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.76%
Target Compounds						Qvalue
13) Acetone	4.129	43	31056	28.22	ug/L	87
14) Carbon disulfide	4.391	76	35365	2.06	ug/L	100
16) Methylene chloride	4.922	84	34514	4.81	ug/L	90
29) Cyclohexane	7.964	56	5284	0.83	ug/L	95
33) Benzene	8.323	78	35456	2.18	ug/L	100
35) Methylcyclohexane	9.341	83	20740	2.85	ug/L #	53
40) 4-Methyl-2-pentanone	10.250	43	23385	9.25	ug/L #	75
42) Toluene	10.390	91	8645	0.50	ug/L	94
45) 1,1,2-Trichloroethane	10.762	97	19992	6.55	ug/L #	40
48) 2-Hexanone	10.933	43	77370	48.40	ug/L #	24
51) Chlorobenzene	11.658	112	8419	0.78	ug/L	88
52) Ethylbenzene	11.731	91	96356	5.00	ug/L	94
53) m,p-Xylene	11.835	106	38559	5.45	ug/L	91
54) o-Xylene	12.164	106	34312	5.05	ug/L	95
55) Styrene	12.170	104	4040	0.34	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.682	83	31907	8.39	ug/L #	30
60) Isopropylbenzene	12.865	105	153013	13.63	ug/L	94
62) 1,3,5-Trimethylbenzene	12.944	105	96001	10.32	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	196622	21.18	ug/L	98

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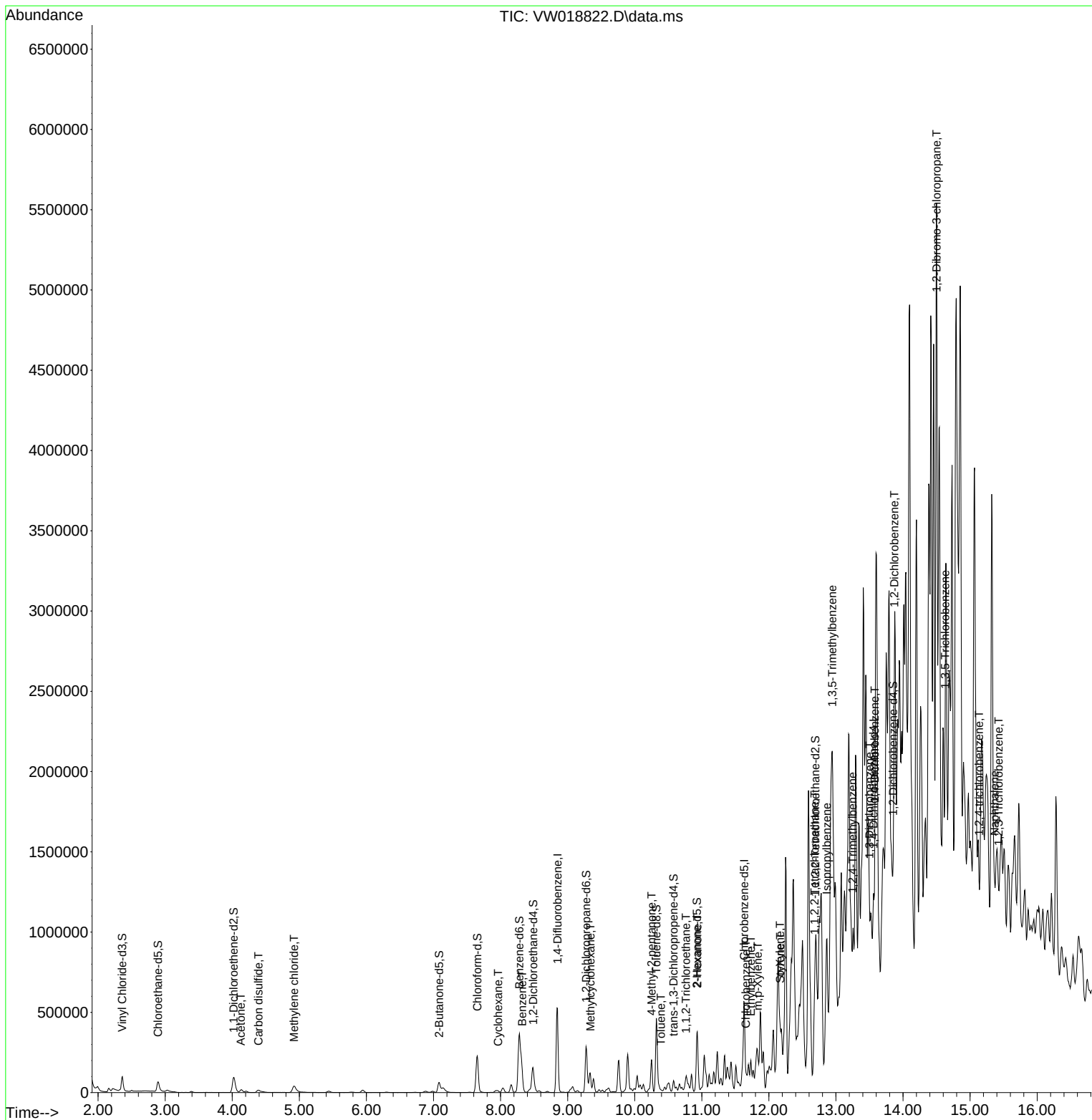
Quant Time: Apr 29 00:15:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 29 00:13:39 2021
 Response via : Initial Calibration

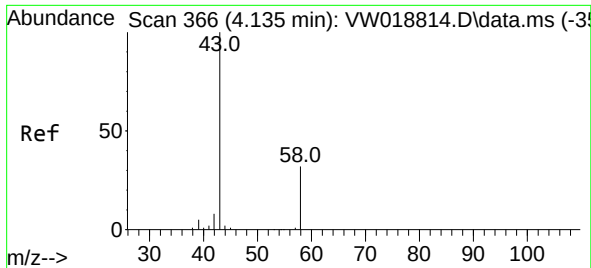
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

64) 1,3-Dichlorobenzene	13.499	146	5212	1.10	ug/L #	1
65) 1,4-Dichlorobenzene	13.579	146	14022	2.91	ug/L #	1
67) 1,2-Dichlorobenzene	13.871	146	10035	2.29	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	18900	52.14	ug/L #	11
69) 1,3,5-Trichlorobenzene	14.627	180	3501	1.03	ug/L #	64
70) 1,2,4-trichlorobenzene	15.133	180	2087	0.75	ug/L #	1
71) Naphthalene	15.365	128	150754	25.88	ug/L #	80
72) 1,2,3-Trichlorobenzene	15.426	180	4251	1.74	ug/L	97

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

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Response via : Initial Calibration

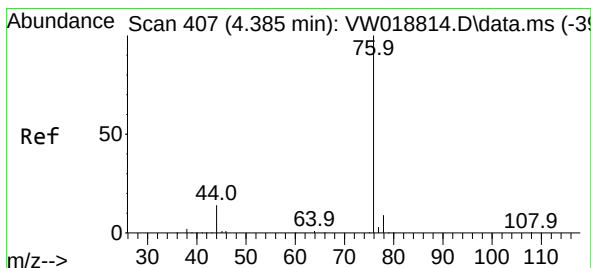
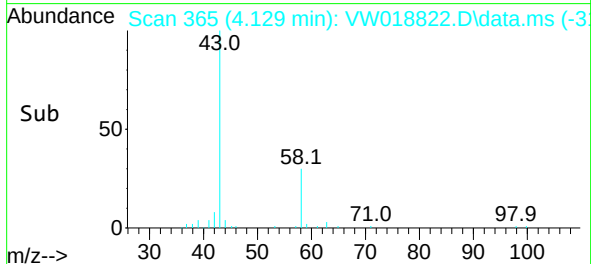
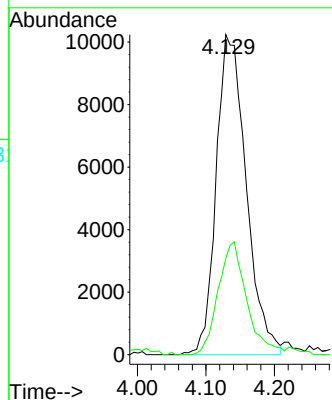
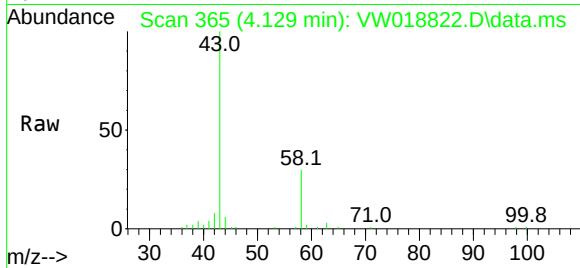




#13
Acetone
Concen: 28.22 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

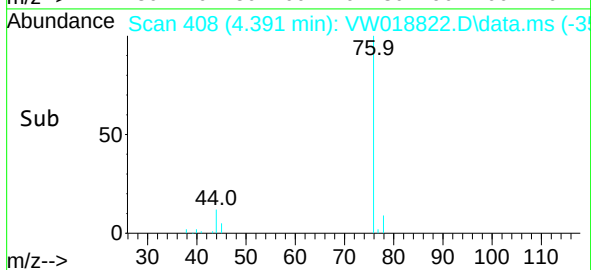
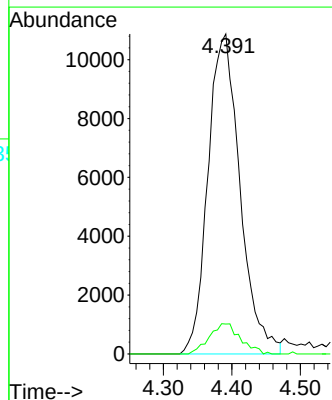
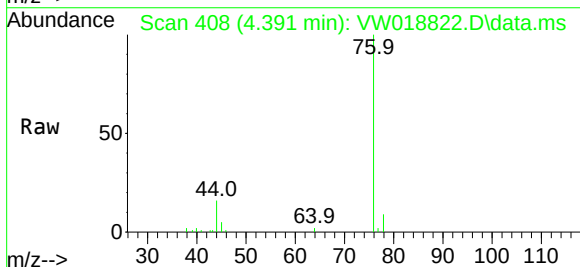
Instrument :
MSVOA_W
ClientSampled :

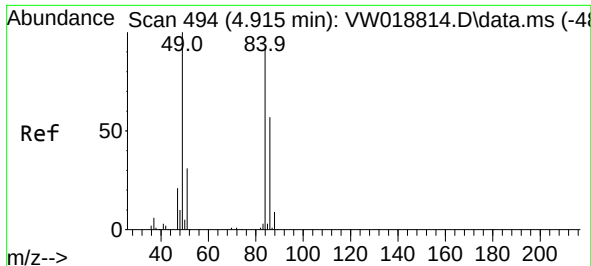
Tgt Ion: 43 Resp: 31056
Ion Ratio Lower Upper
43 100
58 33.6 0.0 53.8



#14
Carbon disulfide
Concen: 2.06 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

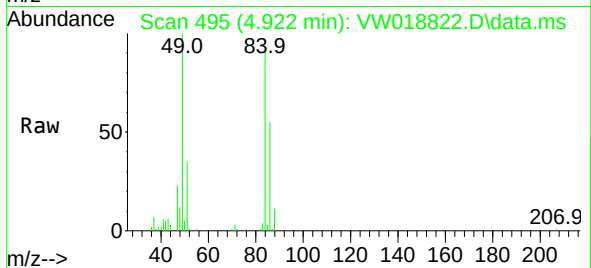
Tgt Ion: 76 Resp: 35365
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



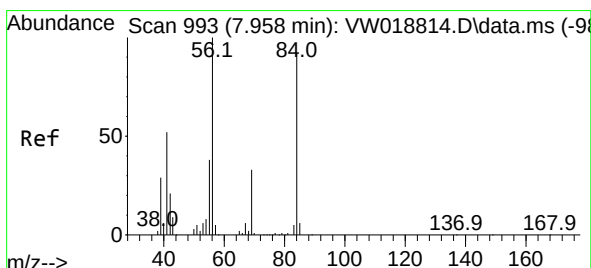
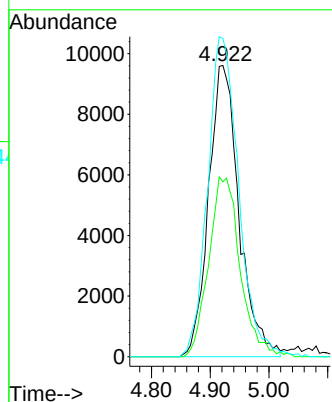
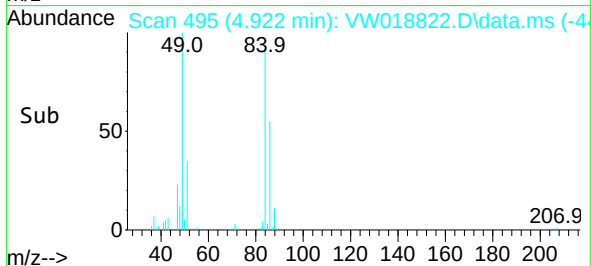


#16
Methylene chloride
Concen: 4.81 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

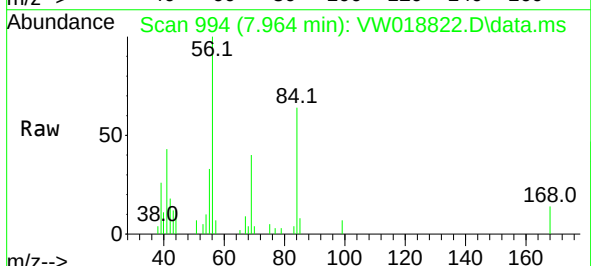
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MSVOA_W
ClientSampleId :



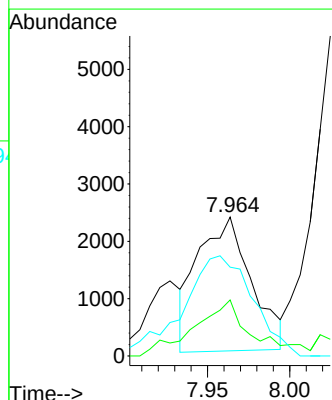
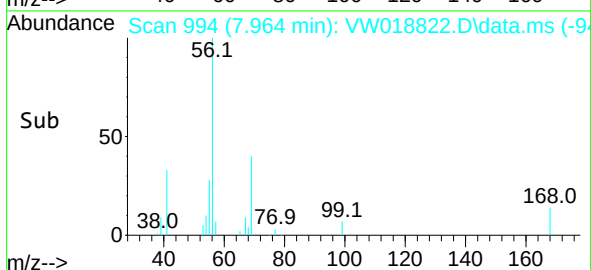
Tgt Ion: 84 Resp: 34514
Ion Ratio Lower Upper
84 100
86 60.1 45.3 84.1
49 109.3 86.6 160.8

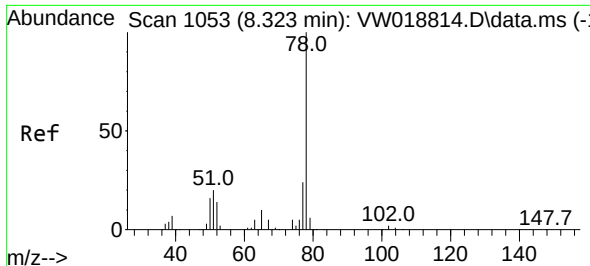


#29
Cyclohexane
Concen: 0.83 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55



Tgt Ion: 56 Resp: 5284
Ion Ratio Lower Upper
56 100
69 34.1 24.5 36.7
84 98.5 75.0 112.4

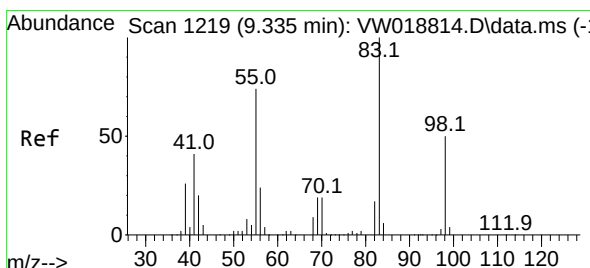
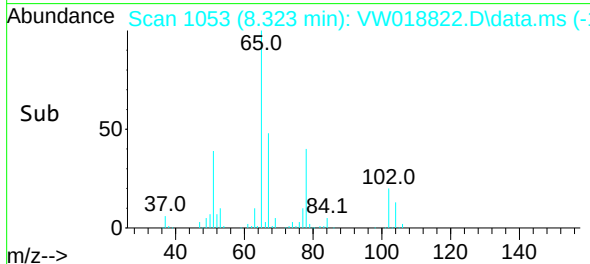
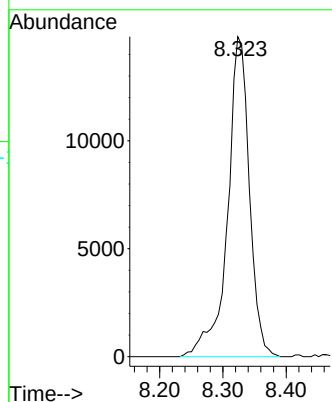
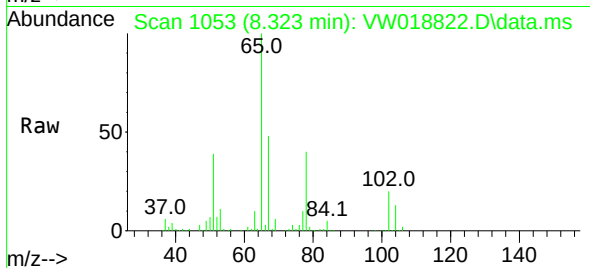




#33
Benzene
Concen: 2.18 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

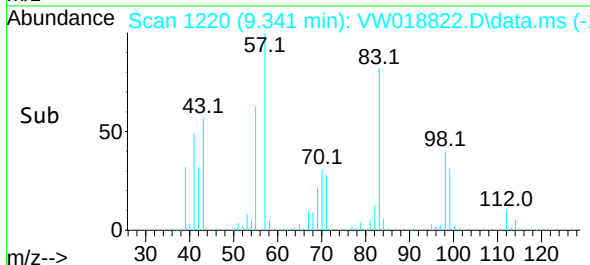
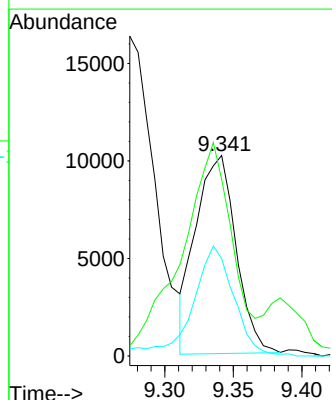
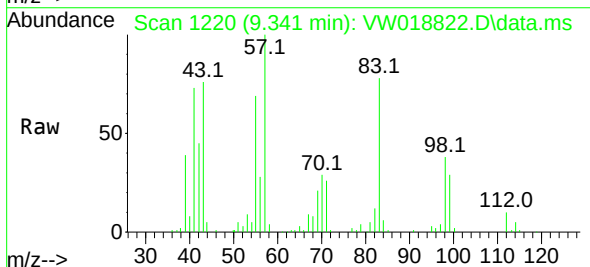
Instrument :
MSVOA_W
ClientSampled :

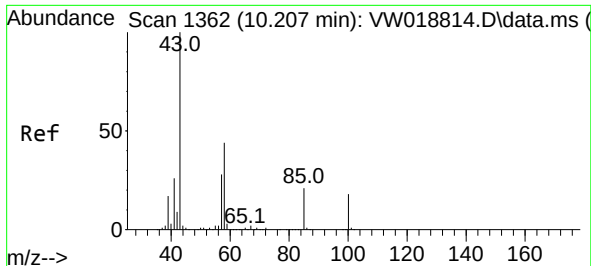
Tgt Ion: 78 Resp: 35456



#35
Methylcyclohexane
Concen: 2.85 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion: 83 Resp: 20740
Ion Ratio Lower Upper
83 100
55 137.6 58.9 88.3#
98 53.5 40.1 60.1

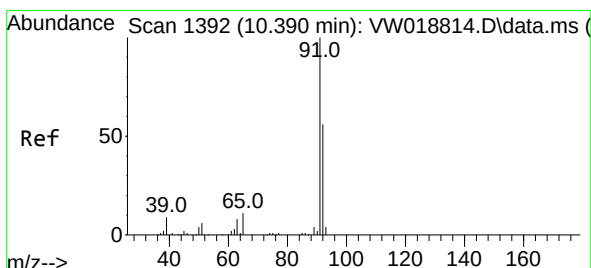
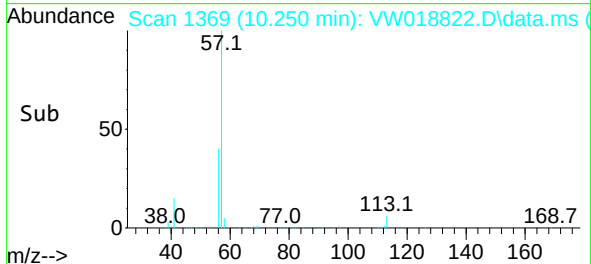
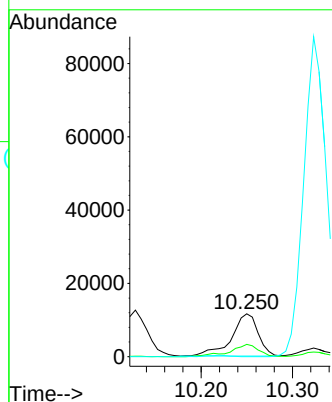
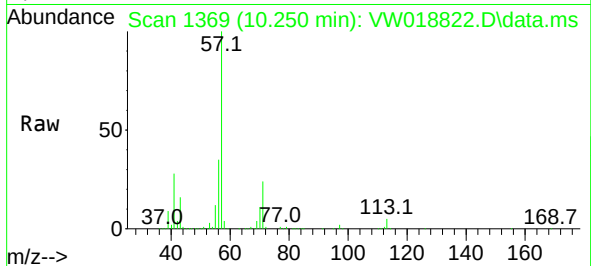




#40
4-Methyl-2-pentanone
Concen: 9.25 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.043 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

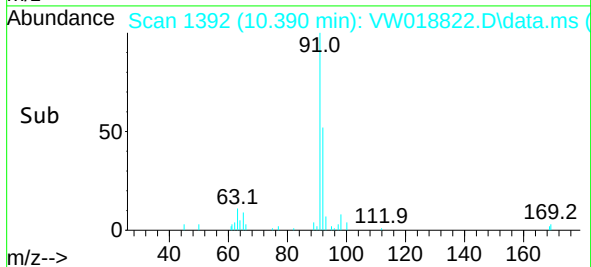
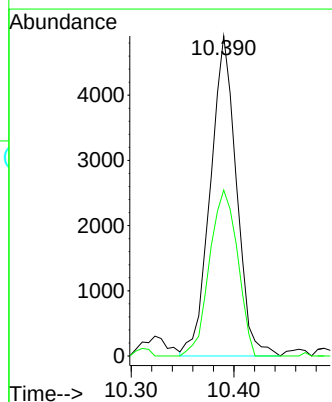
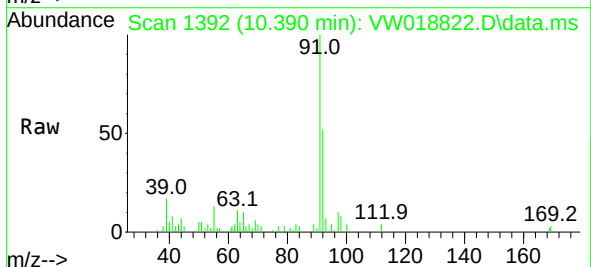
Instrument :
MSVOA_W
ClientSampled :

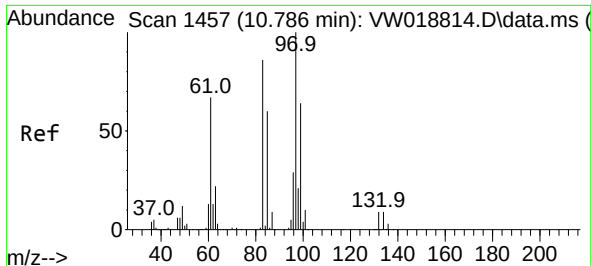
Tgt Ion: 43 Resp: 23385
Ion Ratio Lower Upper
43 100
58 26.7 31.0 46.4#
100 0.0 13.0 19.6#



#42
Toluene
Concen: 0.50 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

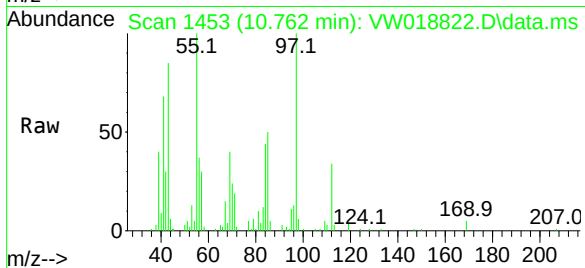
Tgt Ion: 91 Resp: 8645
Ion Ratio Lower Upper
91 100
92 51.9 39.5 73.3



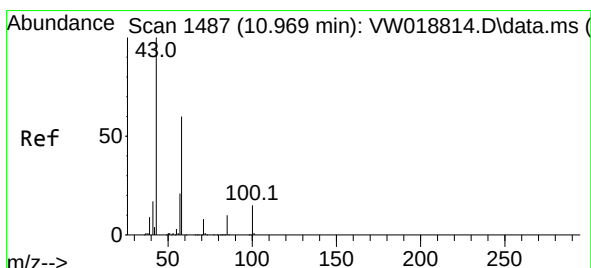
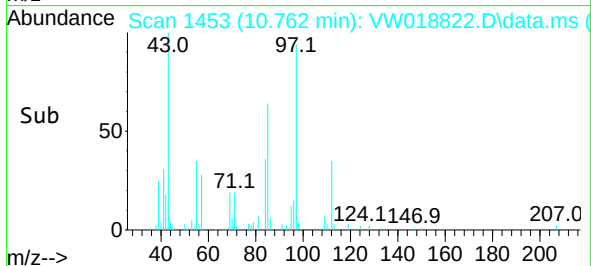
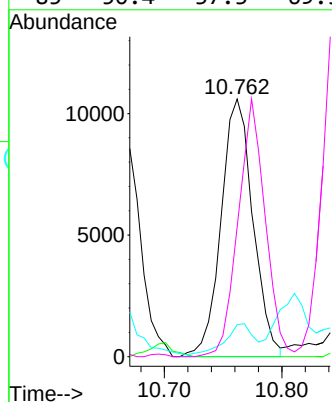


#45
1,1,2-Trichloroethane
Concen: 6.55 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

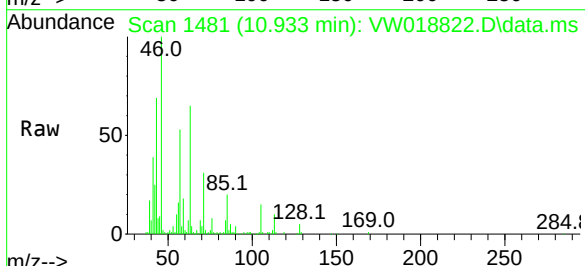
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ClientSampleId :



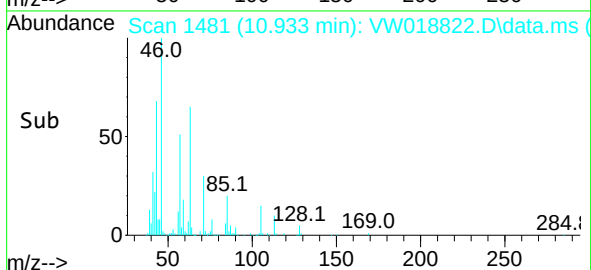
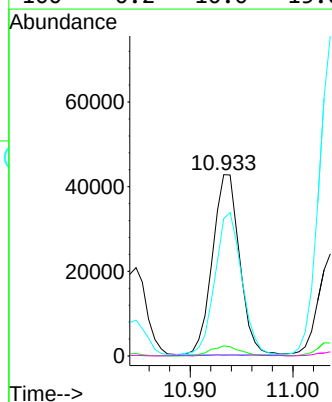
Tgt Ion:	97	Resp:	19992
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.1	83.7#
83	12.4	58.1	107.9#
85	50.4	37.3	69.3

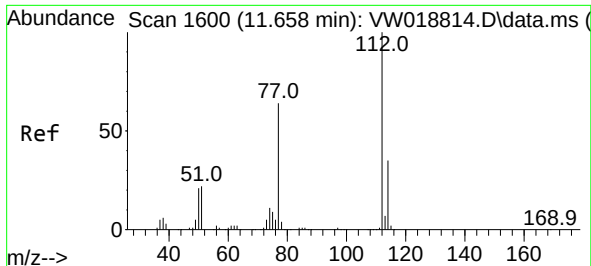


#48
2-Hexanone
Concen: 48.40 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018822.D
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Tgt Ion:	43	Resp:	77370
Ion	Ratio	Lower	Upper
43	100		
58	6.1	42.7	64.1#
57	78.9	15.8	23.8#
100	0.2	10.0	15.0#

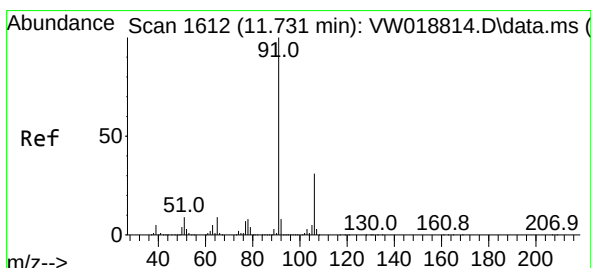
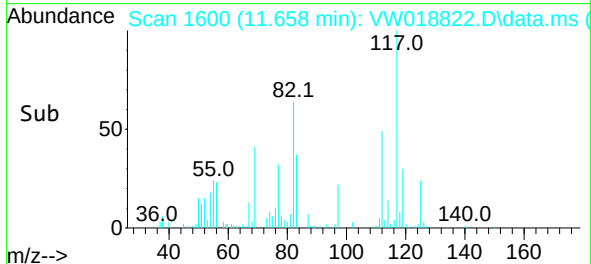
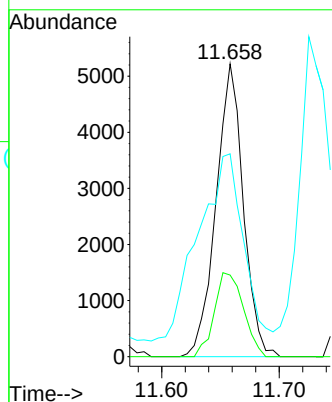
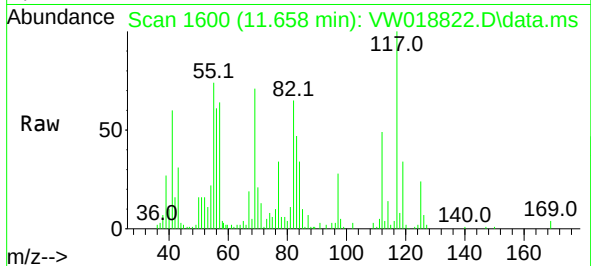




#51
Chlorobenzene
Concen: 0.78 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

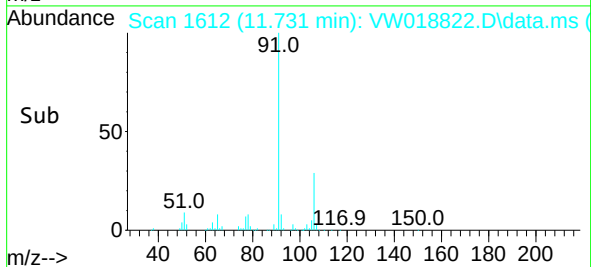
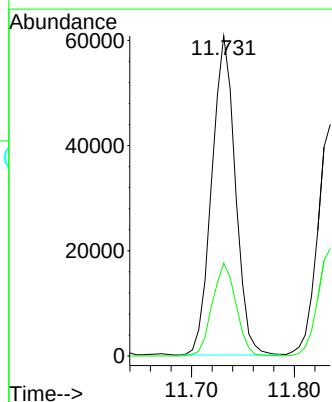
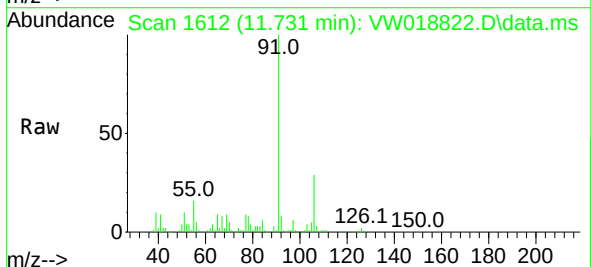
Instrument :
MSVOA_W
ClientSampled :

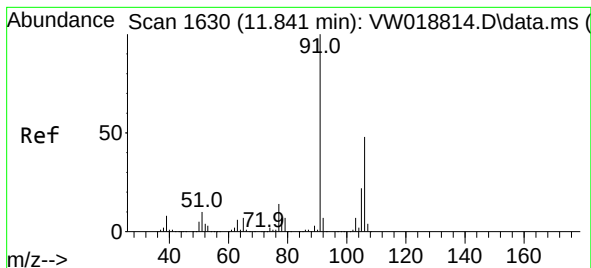
Tgt Ion:112 Resp: 8419
Ion Ratio Lower Upper
112 100
114 27.9 23.4 43.6
77 69.3 47.6 71.4



#52
Ethylbenzene
Concen: 5.00 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion: 91 Resp: 96356
Ion Ratio Lower Upper
91 100
106 29.0 22.5 41.7

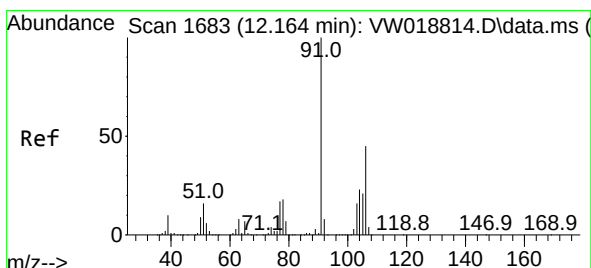
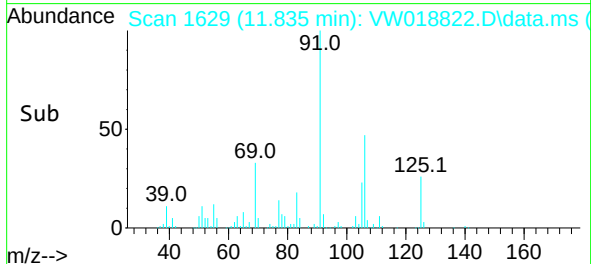
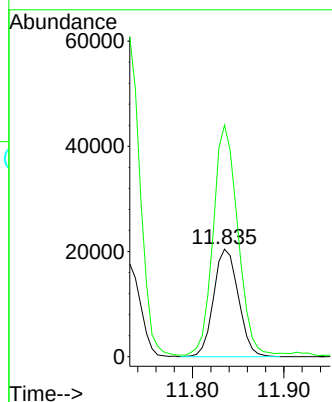
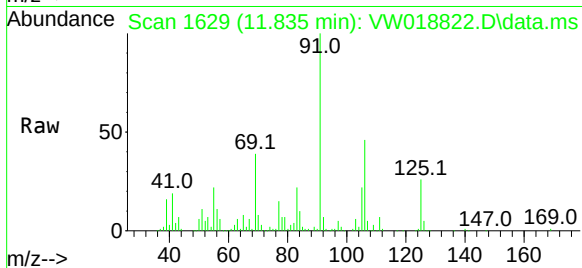




#53
m,p-Xylene
Concen: 5.45 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

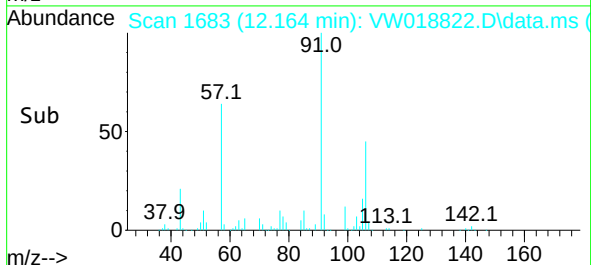
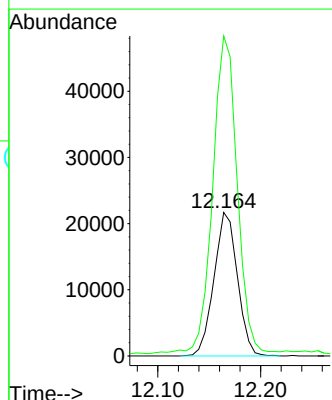
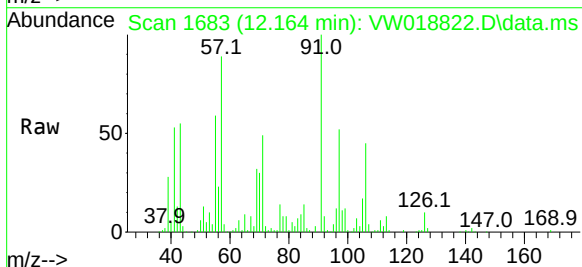
Instrument :
MSVOA_W
ClientSampled :

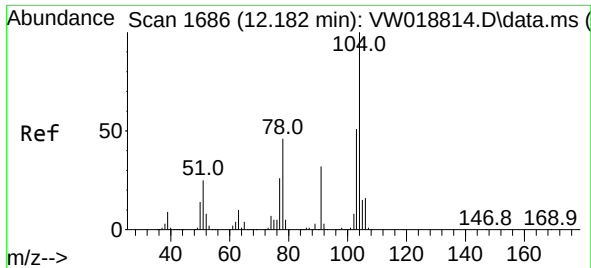
Tgt Ion:106 Resp: 38559
Ion Ratio Lower Upper
106 100
91 215.6 141.3 262.3



#54
o-Xylene
Concen: 5.05 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion:106 Resp: 34312
Ion Ratio Lower Upper
106 100
91 223.0 150.0 278.6

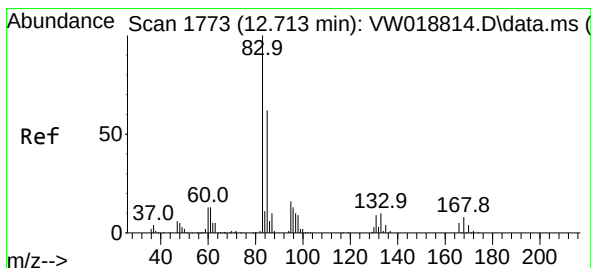
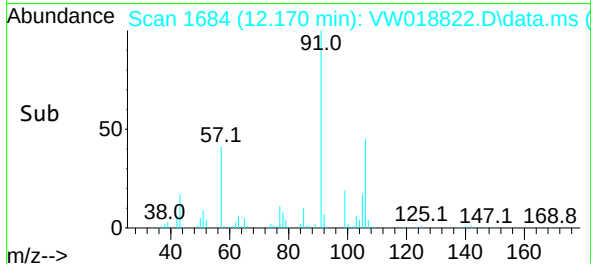
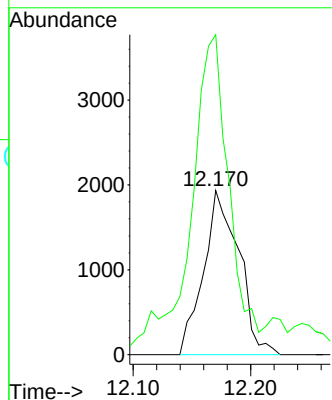
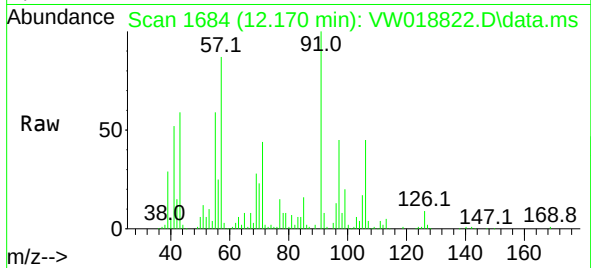




#55
Styrene
Concen: 0.34 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. -0.012 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

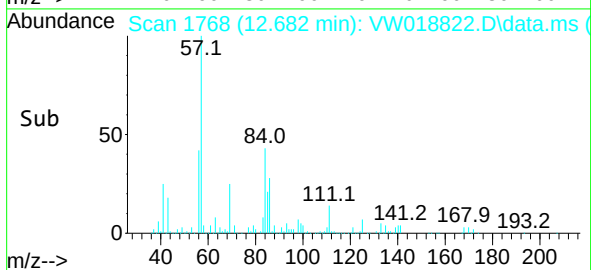
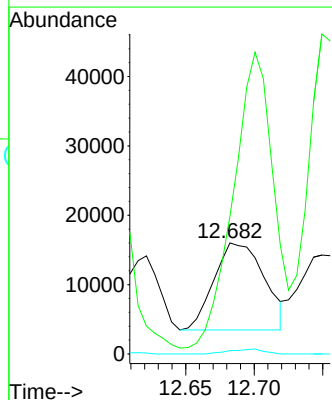
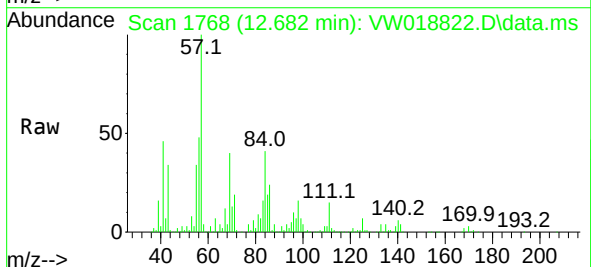
Instrument :
MSVOA_W
ClientSampled :

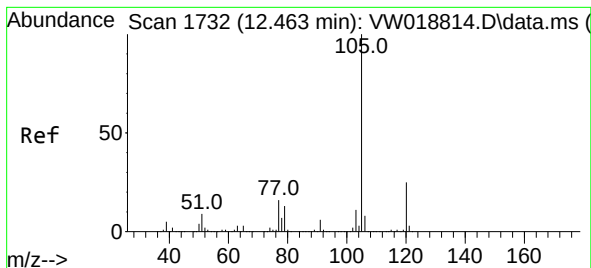
Tgt Ion:104 Resp: 4040
Ion Ratio Lower Upper
104 100
78 194.9 32.5 60.3#



#57
1,1,2,2-Tetrachloroethane
Concen: 8.39 ug/L
RT: 12.682 min Scan# 1768
Delta R.T. -0.030 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion: 83 Resp: 31907
Ion Ratio Lower Upper
83 100
85 124.1 44.4 82.4#
131 3.1 8.2 12.4#

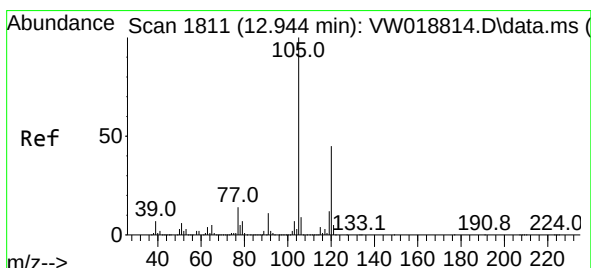
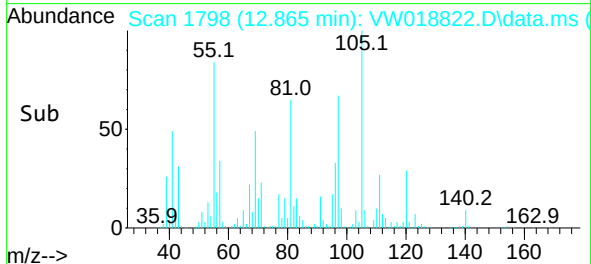
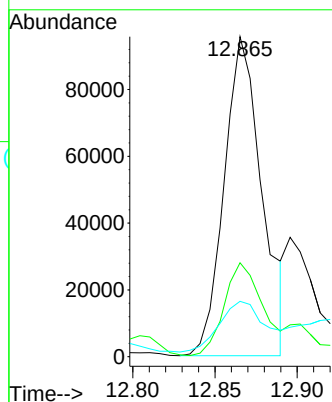
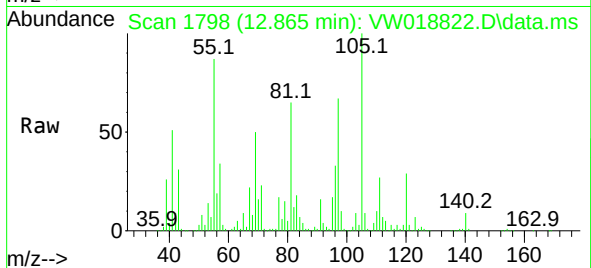




#60
Isopropylbenzene
Concen: 13.63 ug/L
RT: 12.865 min Scan# 1798
Delta R.T. 0.402 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

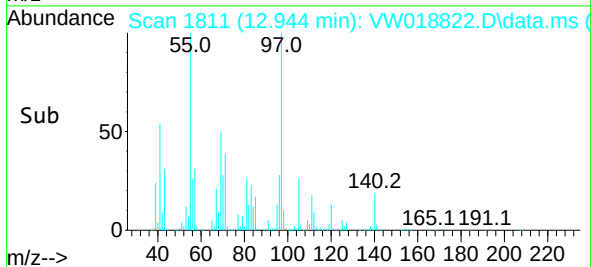
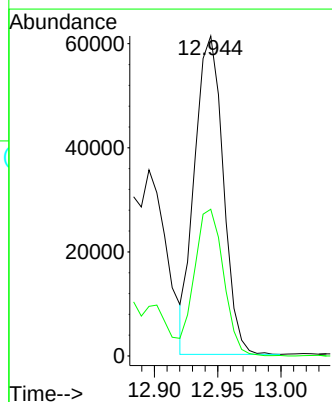
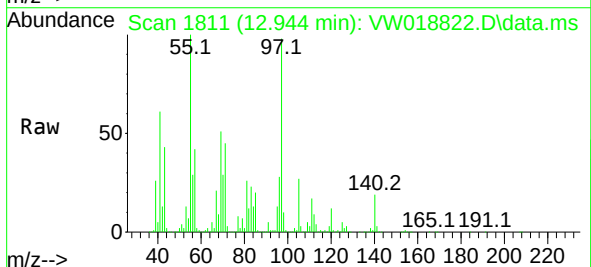
Instrument :
MSVOA_W
ClientSampled :

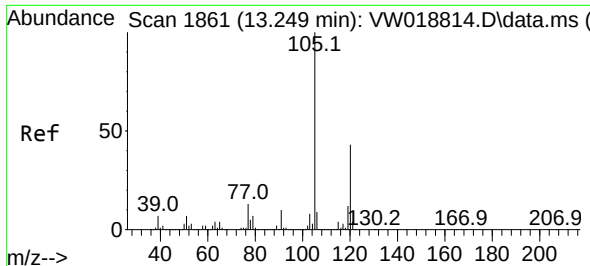
Tgt Ion:105 Resp: 153013
Ion Ratio Lower Upper
105 100
120 29.4 21.1 31.7
77 19.2 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 10.32 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion:105 Resp: 96001
Ion Ratio Lower Upper
105 100
120 46.5 39.0 58.6

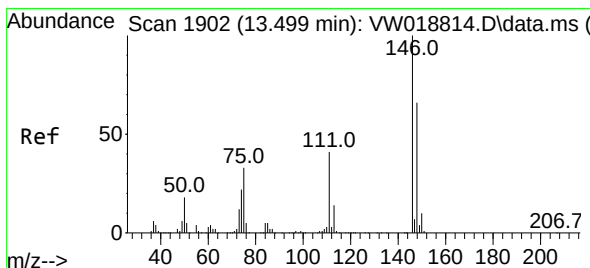
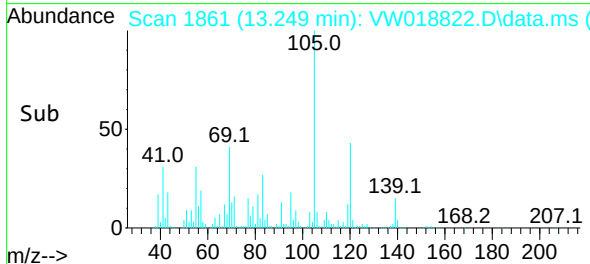
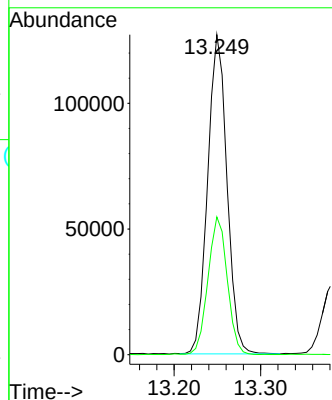
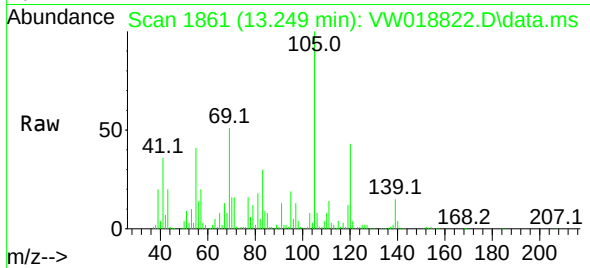




#63
1,2,4-Trimethylbenzene
Concen: 21.18 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

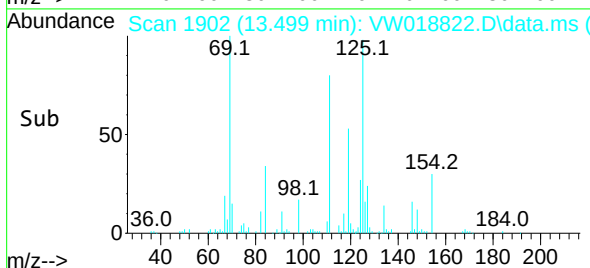
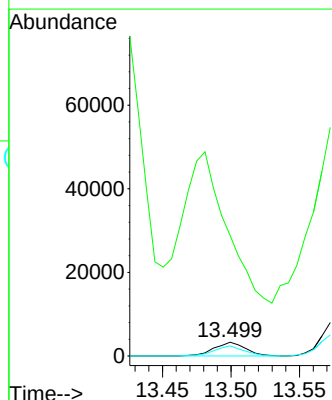
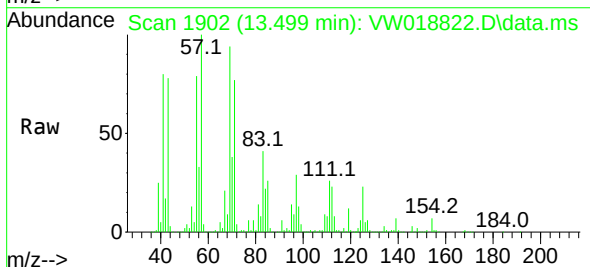
Instrument :
MSVOA_W
ClientSampled :

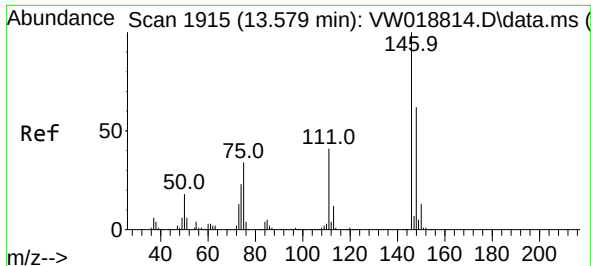
Tgt Ion:105 Resp: 196622
Ion Ratio Lower Upper
105 100
120 42.9 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 1.10 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion:146 Resp: 5212
Ion Ratio Lower Upper
146 100
111 872.4 26.7 49.7#
148 72.9 41.1 76.3

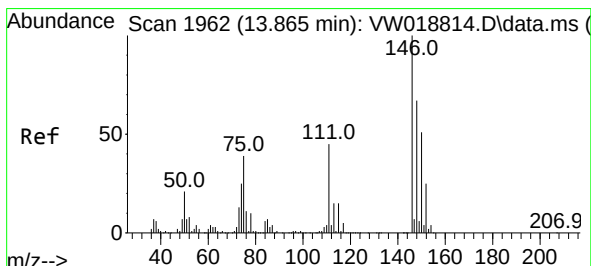
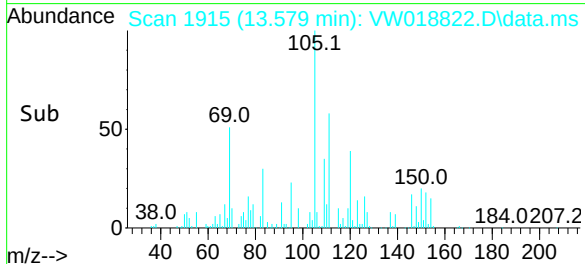
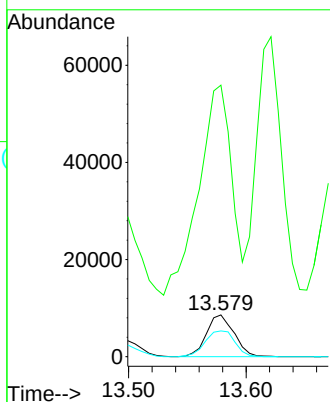
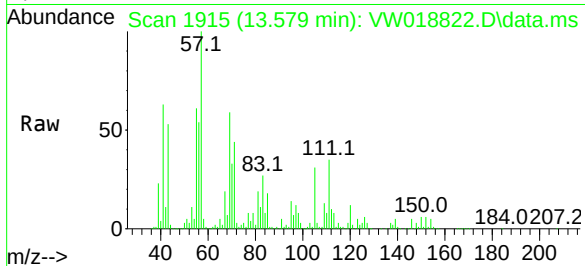




#65
1,4-Dichlorobenzene
Concen: 2.91 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

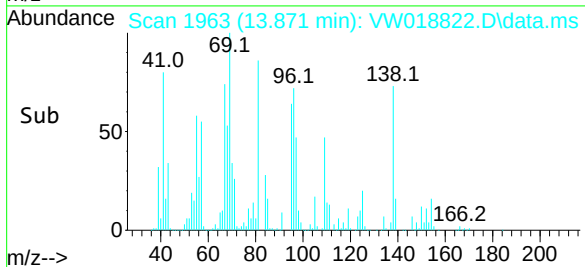
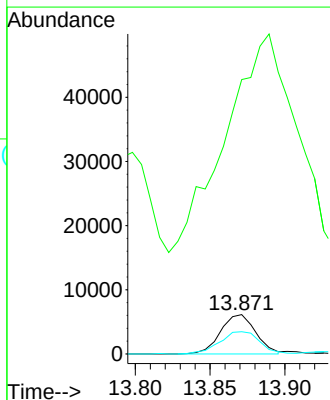
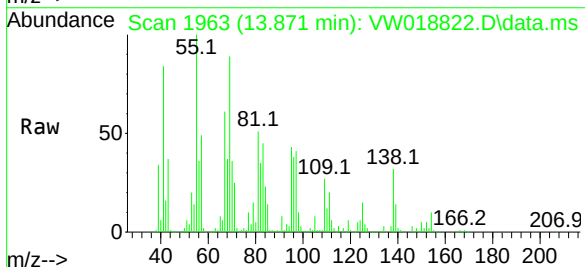
Instrument :
MSVOA_W
ClientSampled :

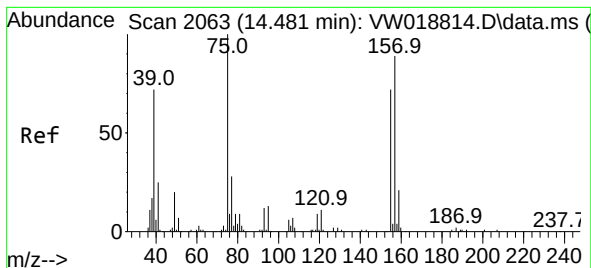
Tgt Ion:146 Resp: 14022
Ion Ratio Lower Upper
146 100
111 650.9 28.8 53.4#
148 61.8 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 2.29 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

Tgt Ion:146 Resp: 10035
Ion Ratio Lower Upper
146 100
111 696.9 33.2 49.8#
148 56.5 50.4 75.6





#68

1,2-Dibromo-3-chloropropane

Concen: 52.14 ug/L

RT: 14.499 min Scan# 2066

Delta R.T. 0.018 min

Lab File: VW018822.D

Acq: 28 Apr 2021 15:55

Tgt Ion: 75 Resp: 18900

Ion Ratio Lower Upper

75 100

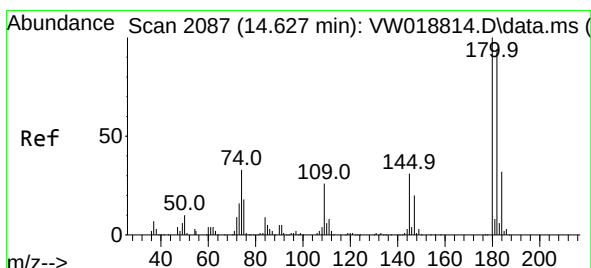
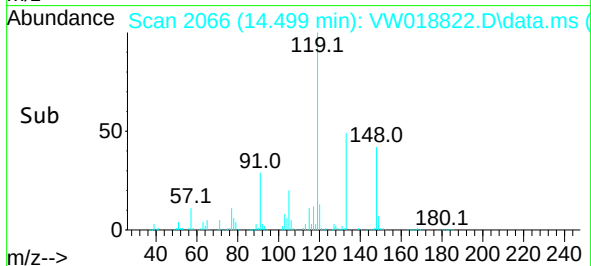
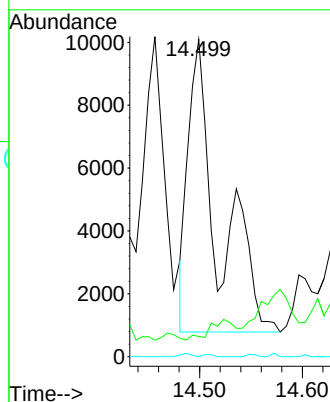
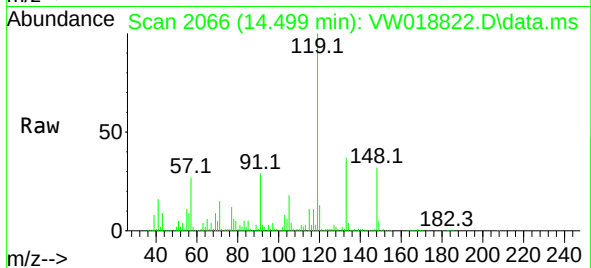
155 6.4 59.4 89.0#

157 0.0 72.2 108.2#

Instrument :

MSVOA_W

ClientSampleId :



#69

1,3,5-Trichlorobenzene

Concen: 1.03 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

Lab File: VW018822.D

Acq: 28 Apr 2021 15:55

Tgt Ion:180 Resp: 3501

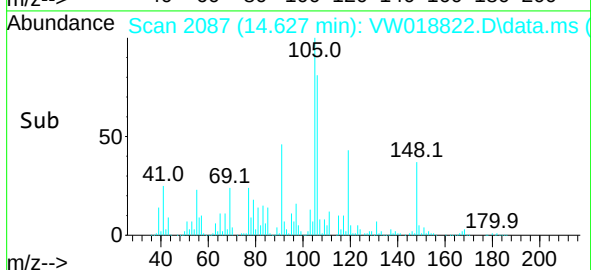
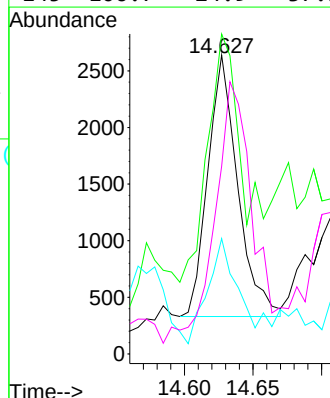
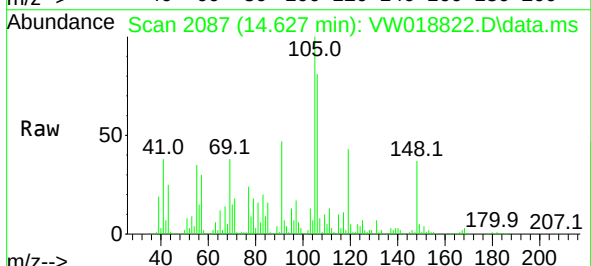
Ion Ratio Lower Upper

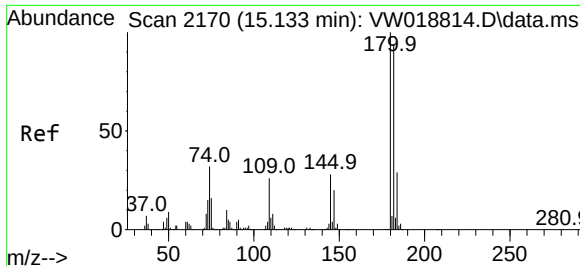
180 100

182 94.7 73.4 110.2

184 47.2 23.6 35.4#

145 106.7 24.9 37.3#

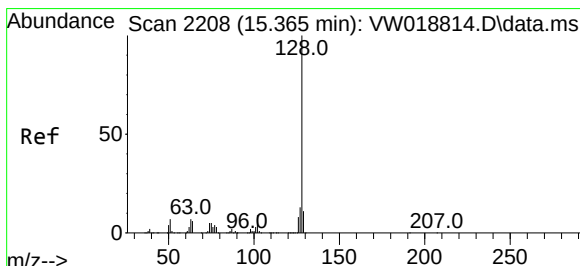
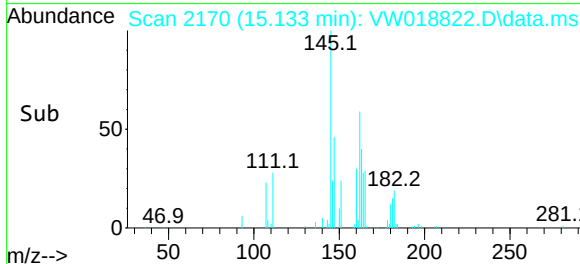
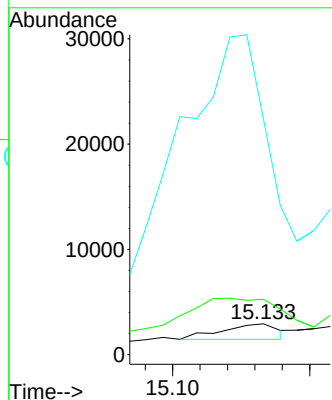
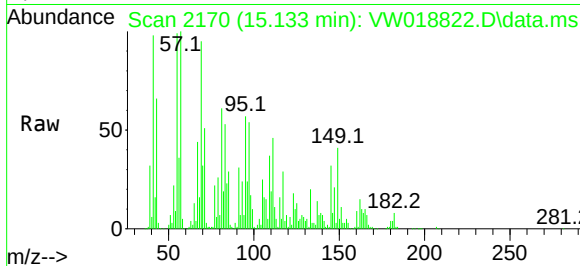




#70
1,2,4-trichlorobenzene
Concen: 0.75 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

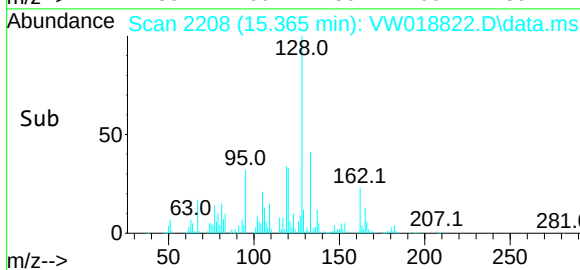
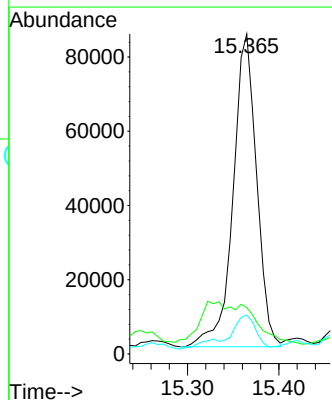
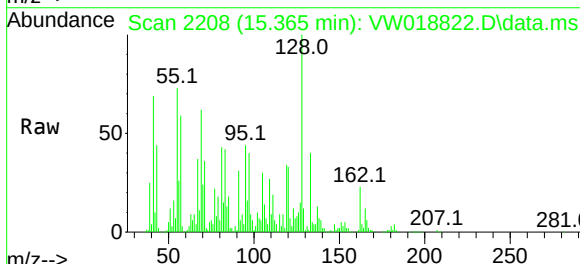
Instrument :
MSVOA_W
ClientSampled :

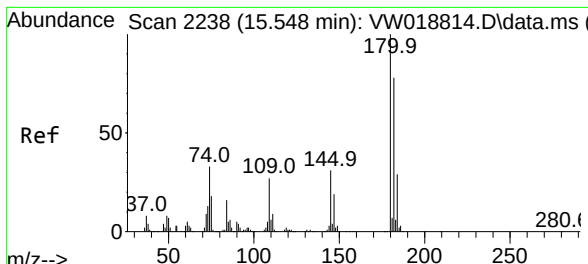
Tgt Ion:180 Resp: 2087
Ion Ratio Lower Upper
180 100
182 346.8 74.7 112.1#
145 3055.3 25.0 37.4#



#71
Naphthalene
Concen: 25.88 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018822.D
Acq: 28 Apr 2021 15:55

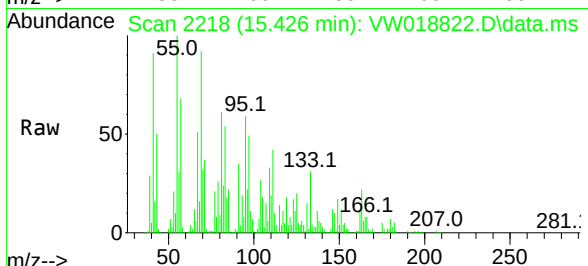
Tgt Ion:128 Resp: 150754
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 9.2 9.0 13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1.74 ug/L
 RT: 15.426 min Scan# 2218
 Delta R.T. -0.122 min
 Lab File: VW018822.D
 Acq: 28 Apr 2021 15:55

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	180	Resp:	4251
Ion Ratio	Lower	Upper	
180	100		
182	98.9	76.7	115.1
145	35.1	28.9	43.3

