

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020346.D
 Acq On : 07 Oct 2021 05:02
 Operator : SY/VA
 Sample : M4000-21
 Misc : 6.84g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 05:31:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	312931	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	241394	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	89228	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	88601	20.543	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.160%
7) Chloroethane-d5	2.885	69	36400	19.478	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.920%
11) 1,1-Dichloroethene-d2	4.019	63	124919	14.065	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.280%
21) 2-Butanone-d5	7.080	46	40210	36.701	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.400%
24) Chloroform-d	7.653	84	173410	19.299	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.200%
26) 1,2-Dichloroethane-d4	8.311	65	89211	18.142	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.560%
32) Benzene-d6	8.281	84	354586	24.261	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.040%
36) 1,2-Dichloropropane-d6	9.287	67	220707	47.608	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	190.440%#
41) Toluene-d8	10.329	98	488781	36.923	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	147.680%#
43) trans-1,3-Dichloroprop...	10.579	79	32575	17.270	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.080%
47) 2-Hexanone-d5	10.927	63	34707	54.167	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.340%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	64351	19.889	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.560%
66) 1,2-Dichlorobenzene-d4	13.853	152	64741	20.721	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.880%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.038	96	1262	0.290	ug/L #	1
13) Acetone	4.129	43	18169	16.131	ug/L	81
14) Carbon disulfide	4.385	76	7748	0.541	ug/L	100
16) Methylene chloride	4.915	84	8723	1.561	ug/L #	82
20) cis-1,2-Dichloroethene	7.171	96	2469	0.530	ug/L	96
25) Chloroform	7.702	83	9961	1.149	ug/L	76
27) 1,2-Dichloroethane	8.439	62	5246	0.906	ug/L #	1
29) Cyclohexane	7.958	56	1737199	242.058	ug/L	93
34) Trichloroethene	9.104	95	52869	12.802	ug/L	77
35) Methylcyclohexane	9.341	83	4387042	608.995	ug/L	93
37) 1,2-Dichloropropane	9.341	63	39434	9.429	ug/L #	1
38) Bromodichloromethane	9.616	83	54171	10.631	ug/L #	35
40) 4-Methyl-2-pentanone	10.213	43	18899	8.272	ug/L #	51
42) Toluene	10.390	91	26730	1.583	ug/L	95
45) 1,1,2-Trichloroethane	10.762	97	679703	256.902	ug/L #	20
48) 2-Hexanone	10.939	43	874189	524.525	ug/L #	28
50) 1,2-Dibromoethane	11.201	107	2155	0.886	ug/L #	1
52) Ethylbenzene	11.731	91	119181	6.466	ug/L	93
53) m,p-Xylene	11.841	106	12155	1.785	ug/L	87

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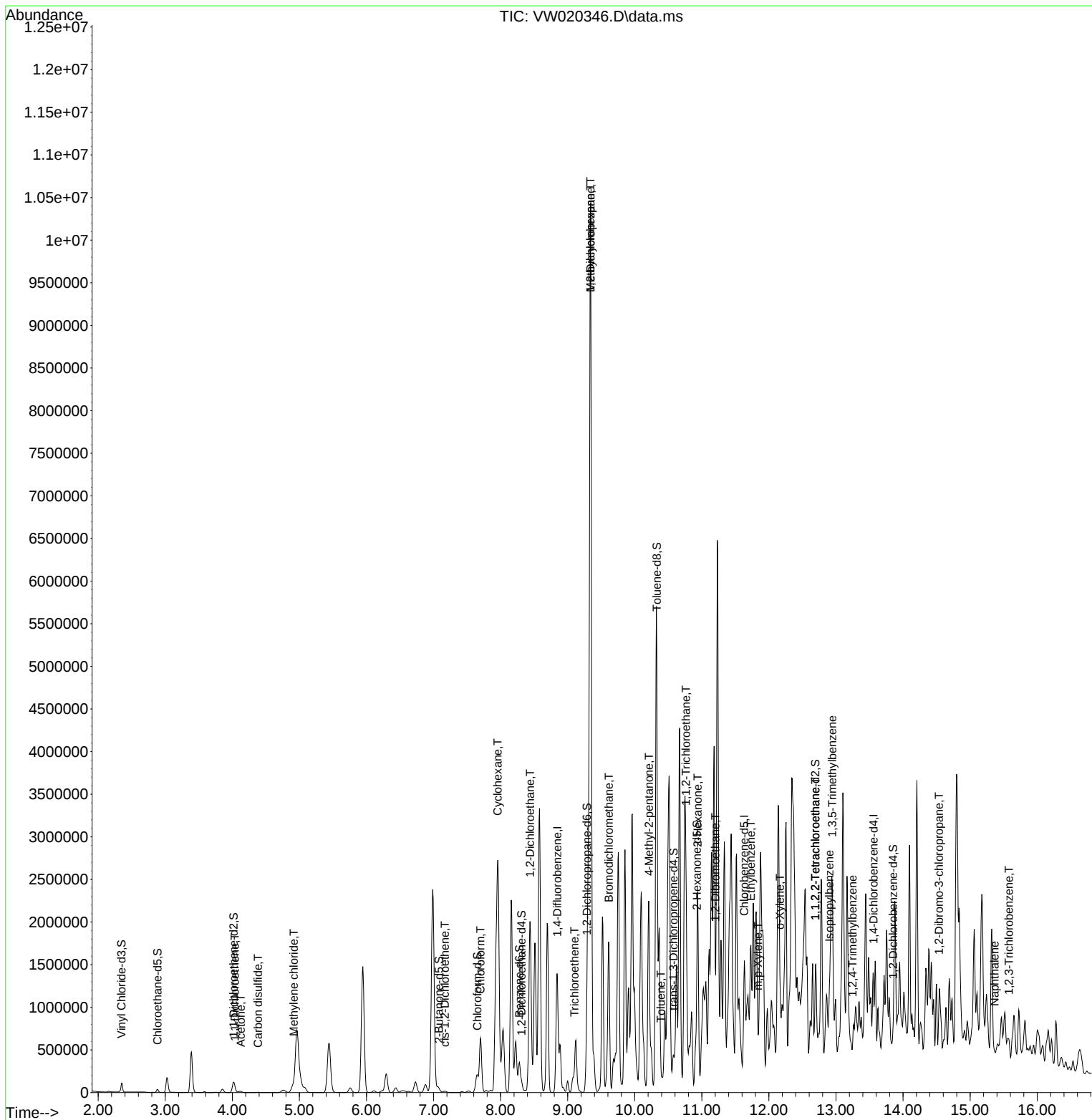
Quant Time: Oct 07 05:31:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

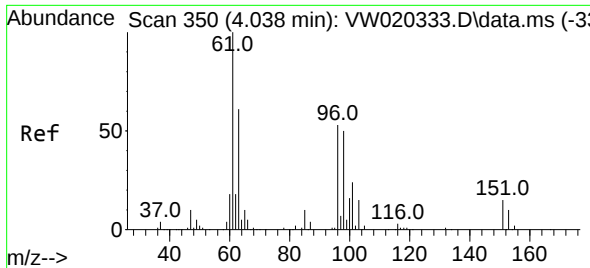
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

54) o-Xylene	12.164	106	26494	4.155	ug/L	74
57) 1,1,2,2-Tetrachloroethane	12.695	83	33876	10.769	ug/L #	56
60) Isopropylbenzene	12.902	105	234109	17.674	ug/L	98
62) 1,3,5-Trimethylbenzene	12.944	105	206967	19.311	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	10402	0.971	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.536	75	5999	15.981	ug/L #	16
71) Naphthalene	15.365	128	36542	6.795	ug/L #	82
72) 1,2,3-Trichlorobenzene	15.578	180	2180	0.808	ug/L #	72

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

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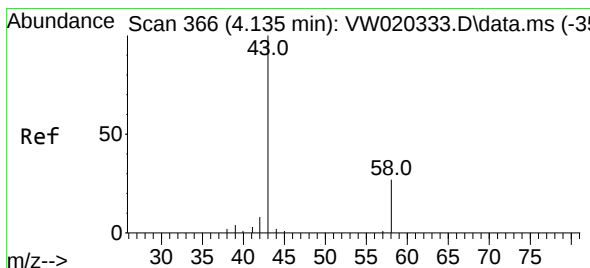
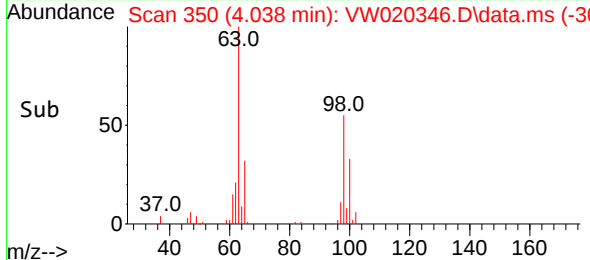
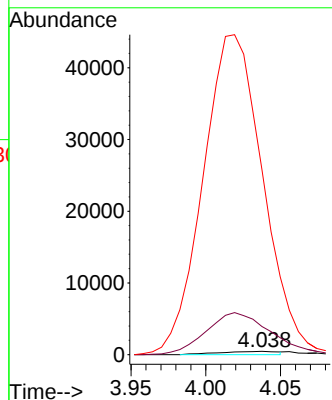
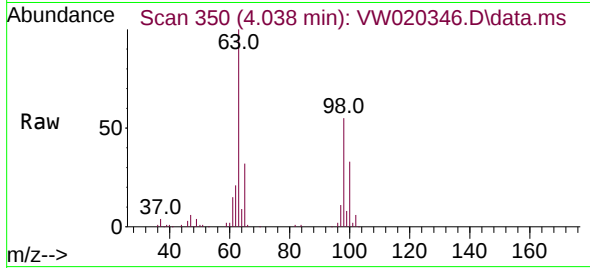




#12
1,1-Dichloroethene
Concen: 0.290 ug/L
RT: 4.038 min Scan# 350
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

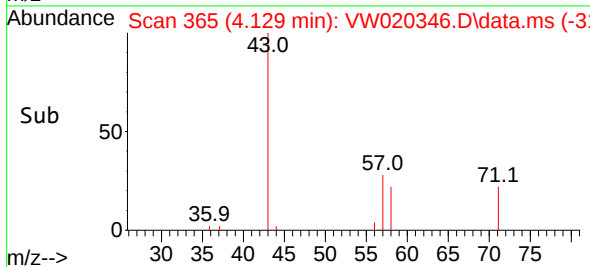
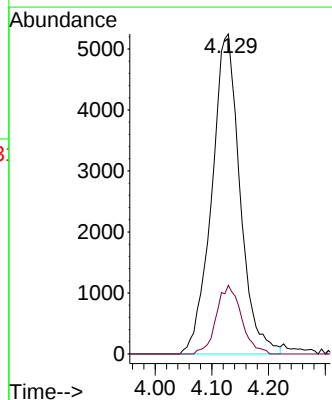
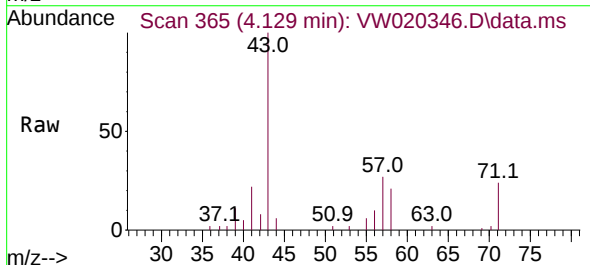
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MSVOA_W
ClientSampled :

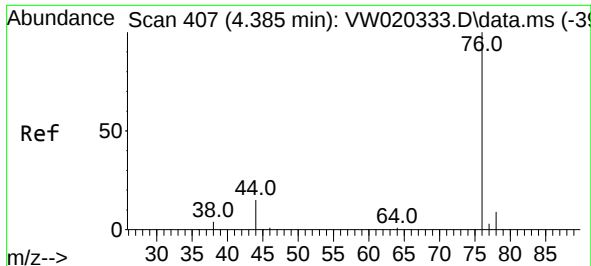
Tgt Ion: 96 Resp: 1262
Ion Ratio Lower Upper
96 100
61 841.4 133.9 248.7#
63 5536.5 77.3 143.7#



#13
Acetone
Concen: 16.131 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

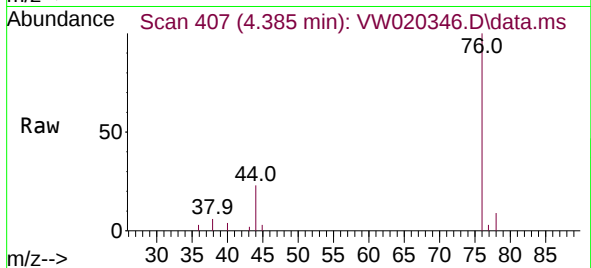
Tgt Ion: 43 Resp: 18169
Ion Ratio Lower Upper
43 100
58 19.0 0.0 58.4



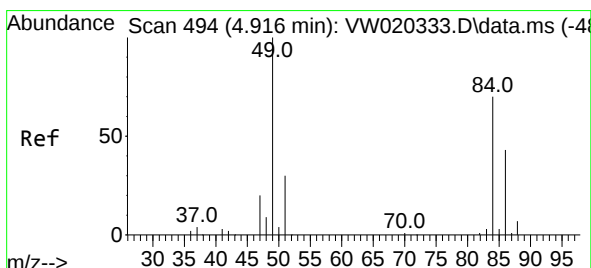
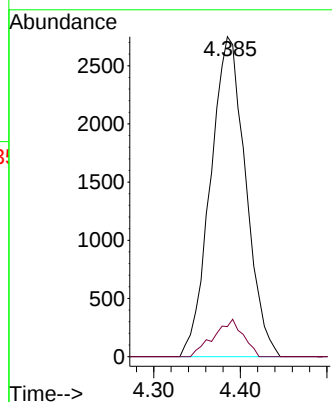
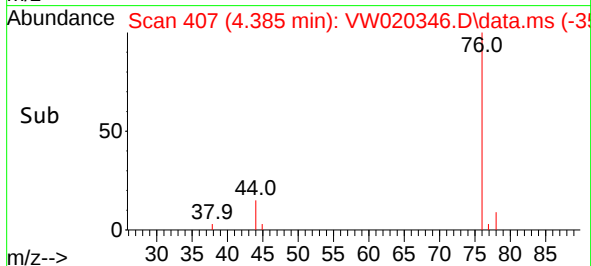


#14
Carbon disulfide
Concen: 0.541 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

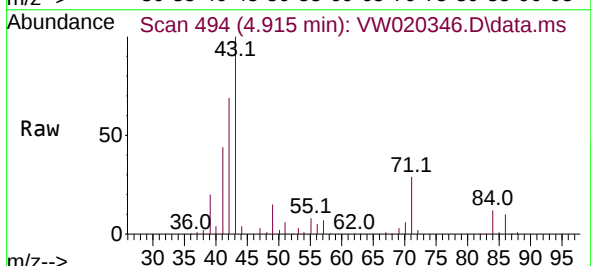
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MSVOA_W
ClientSampled :



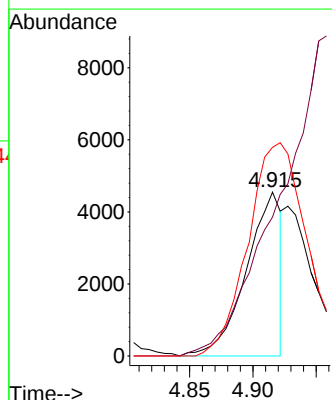
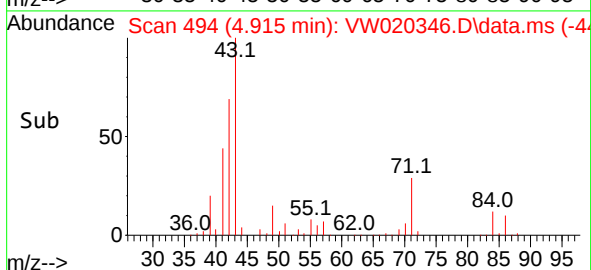
Tgt Ion: 76 Resp: 7748
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

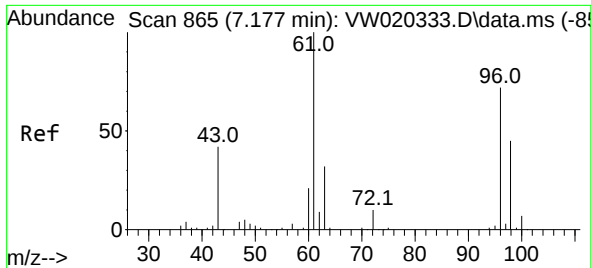


#16
Methylene chloride
Concen: 1.561 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02



Tgt Ion: 84 Resp: 8723
Ion Ratio Lower Upper
84 100
86 84.8 44.7 83.1#
49 127.3 101.7 188.9

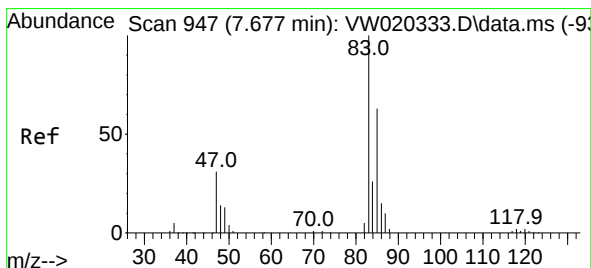
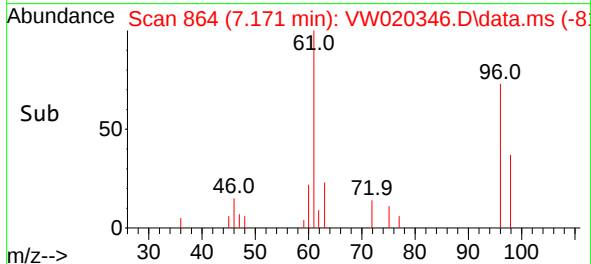
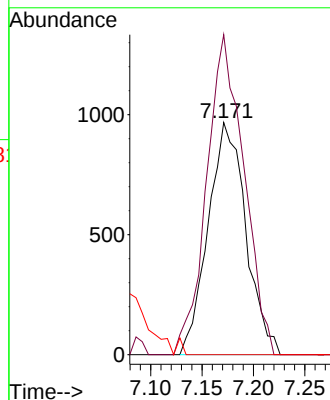
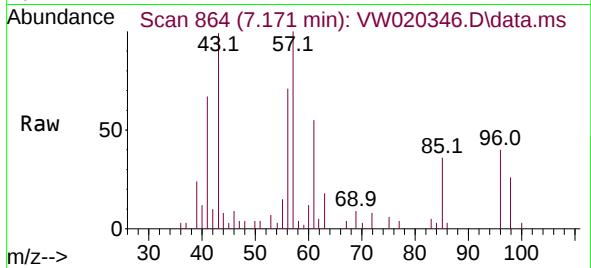




#20
 cis-1,2-Dichloroethene
 Concen: 0.530 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.006 min
 Lab File: VW020346.D
 Acq: 07 Oct 2021 05:02

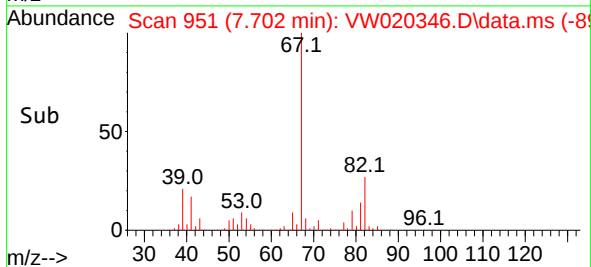
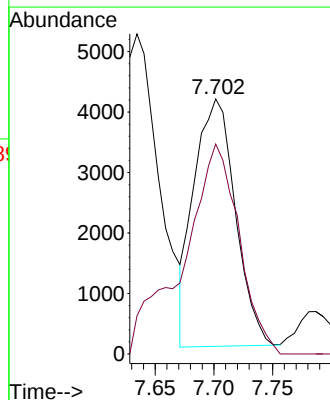
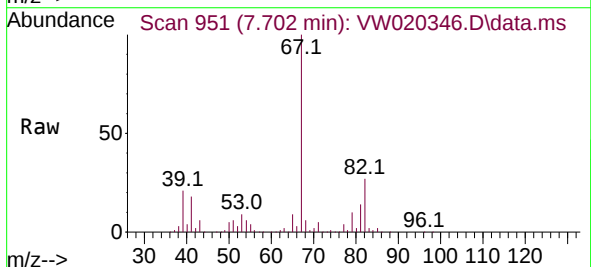
Instrument :
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 ClientSampled :

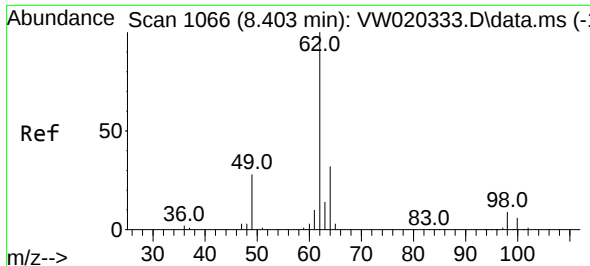
Tgt Ion: 96 Resp: 2469
 Ion Ratio Lower Upper
 96 100
 61 137.8 100.3 186.3
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.149 ug/L
 RT: 7.702 min Scan# 951
 Delta R.T. 0.024 min
 Lab File: VW020346.D
 Acq: 07 Oct 2021 05:02

Tgt Ion: 83 Resp: 9961
 Ion Ratio Lower Upper
 83 100
 85 82.3 44.6 82.8

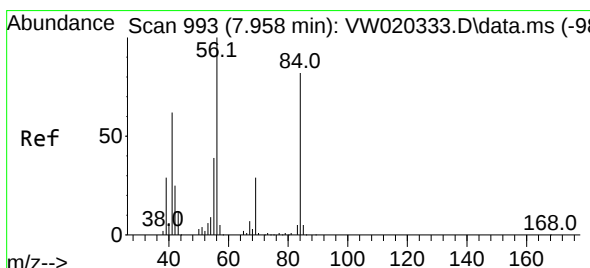
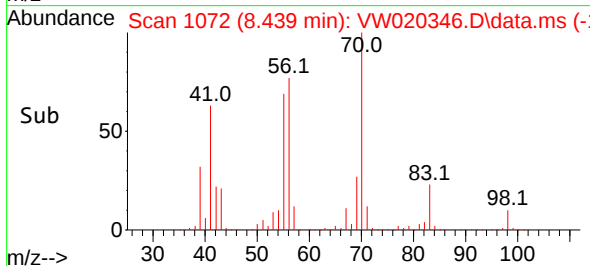
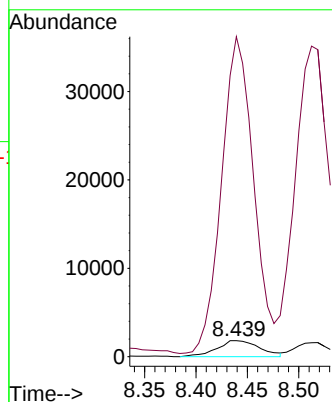
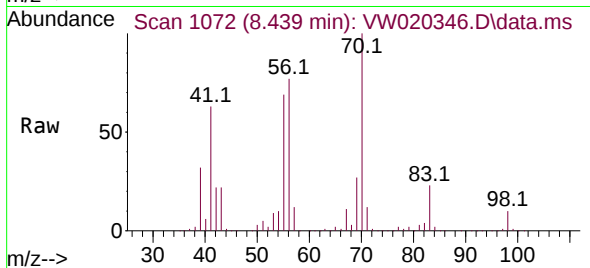




#27
1,2-Dichloroethane
Concen: 0.906 ug/L
RT: 8.439 min Scan# 1072
Delta R.T. 0.036 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

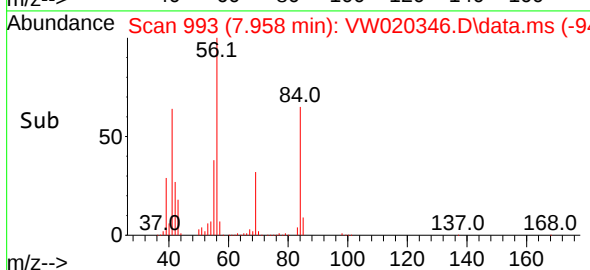
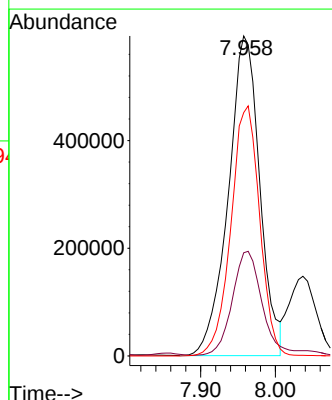
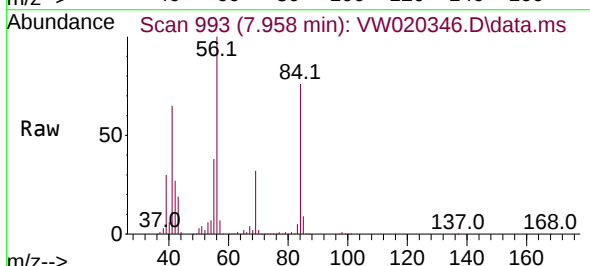
Instrument :
MSVOA_W
ClientSampled :

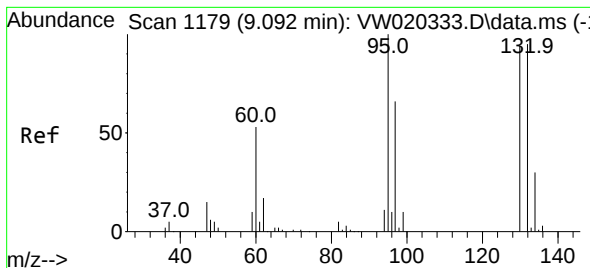
Tgt Ion: 62 Resp: 5246
Ion Ratio Lower Upper
62 100
98 1993.8 6.6 10.0#



#29
Cyclohexane
Concen: 242.058 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Tgt Ion: 56 Resp: 1737199
Ion Ratio Lower Upper
56 100
69 30.7 23.2 34.8
84 71.6 63.7 95.5

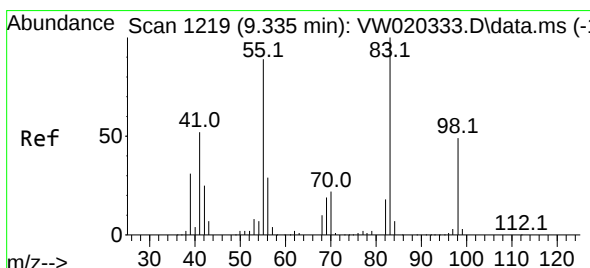
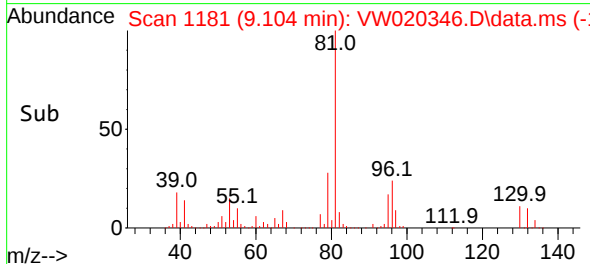
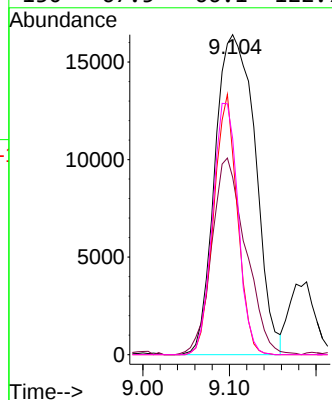
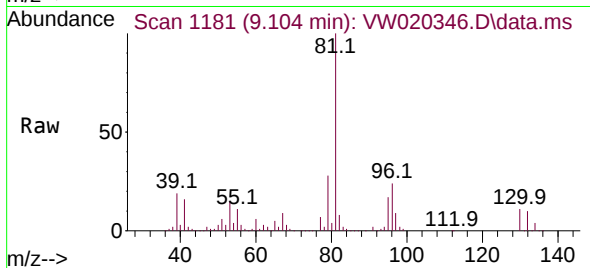




#34
Trichloroethene
Concen: 12.802 ug/L
RT: 9.104 min Scan# 1181
Delta R.T. 0.012 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

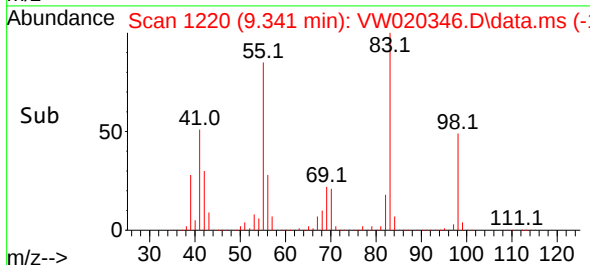
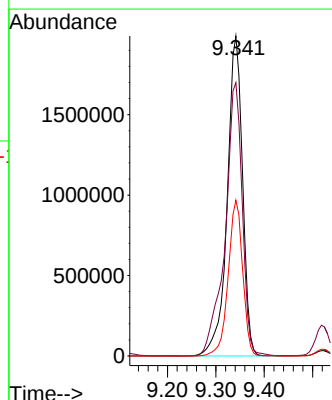
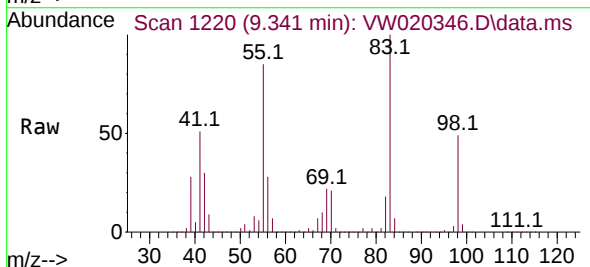
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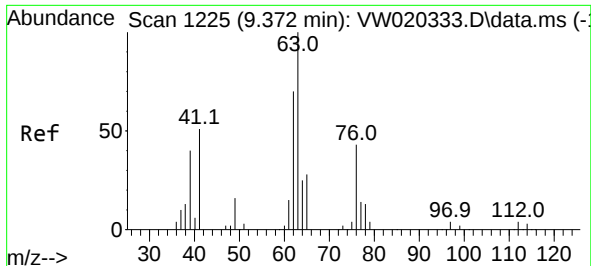
Tgt Ion: 95 Resp: 52869
Ion Ratio Lower Upper
95 100
97 55.4 43.2 80.2
132 62.7 62.3 115.7
130 67.5 66.1 122.7



#35
Methylcyclohexane
Concen: 608.995 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Tgt Ion: 83 Resp: 4387042
Ion Ratio Lower Upper
83 100
55 95.2 69.7 104.5
98 46.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 9.429 ug/L

RT: 9.341 min Scan# 1220

Delta R.T. -0.031 min

Lab File: VW020346.D

Acq: 07 Oct 2021 05:02

Tgt Ion: 63 Resp: 39434

Ion Ratio Lower Upper

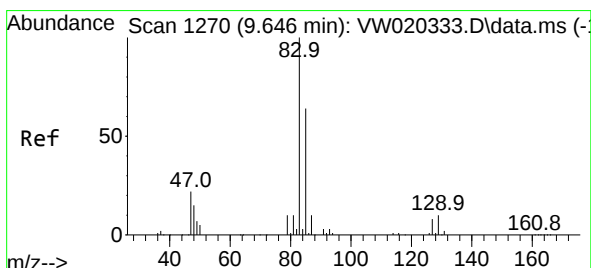
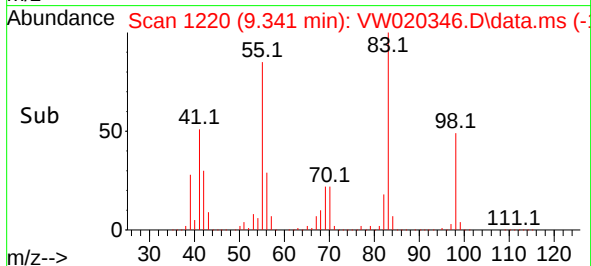
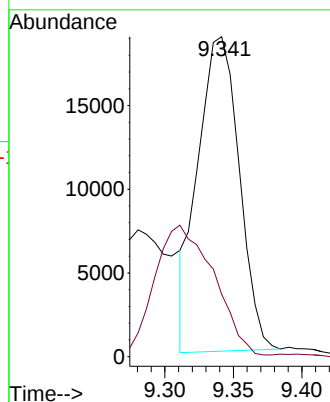
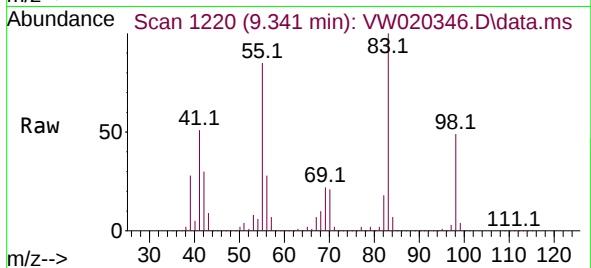
63 100

112 60.5 3.5 5.3#

Instrument :

MSVOA_W

ClientSampled :



#38

Bromodichloromethane

Concen: 10.631 ug/L

RT: 9.616 min Scan# 1265

Delta R.T. -0.031 min

Lab File: VW020346.D

Acq: 07 Oct 2021 05:02

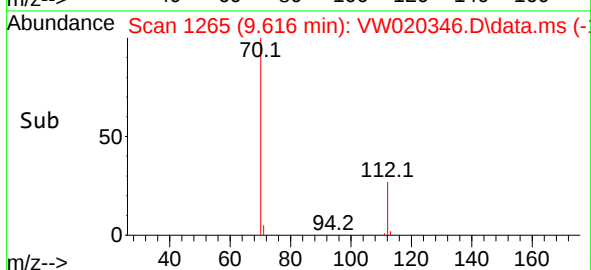
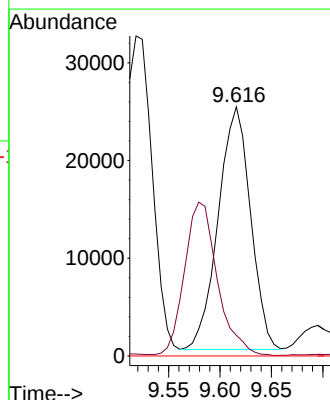
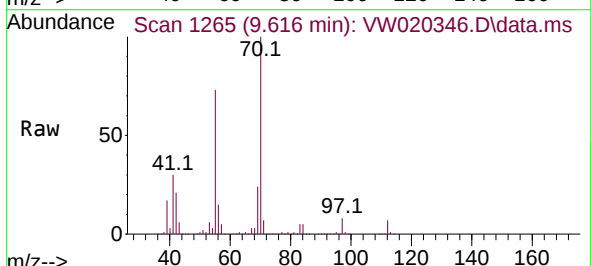
Tgt Ion: 83 Resp: 54171

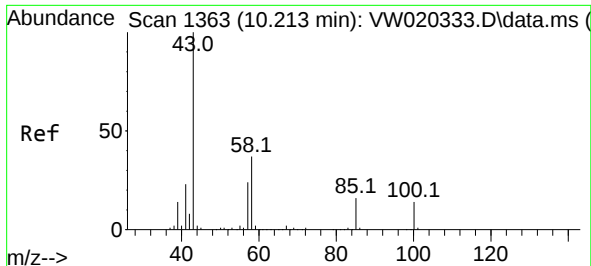
Ion Ratio Lower Upper

83 100

85 8.3 43.4 80.6#

127 0.0 6.2 9.2#

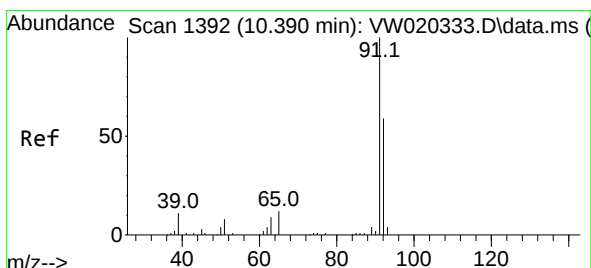
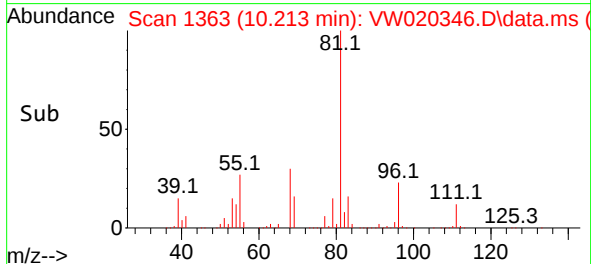
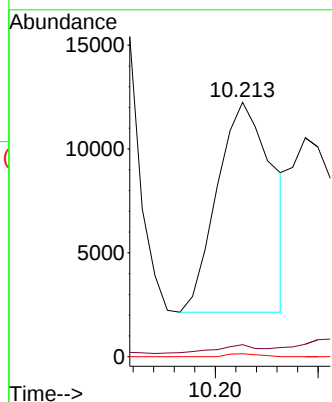
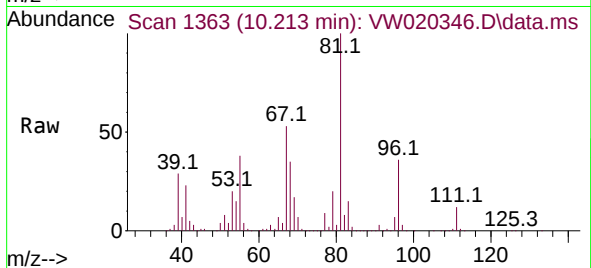




#40
4-Methyl-2-pentanone
Concen: 8.272 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

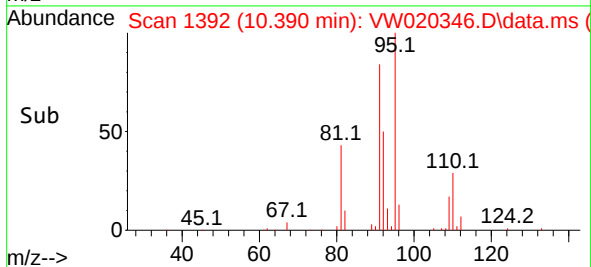
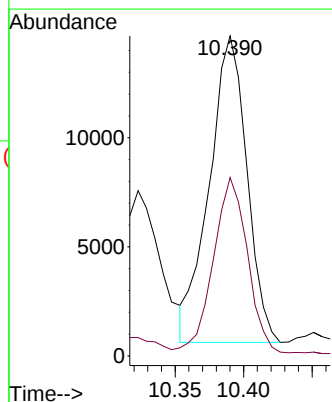
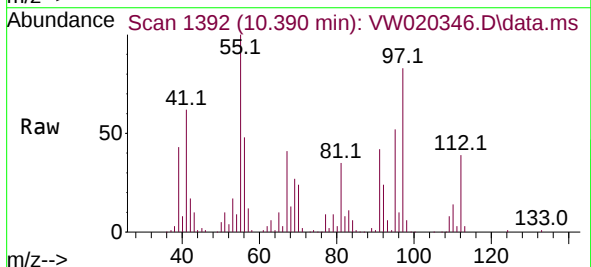
Instrument :
MSVOA_W
ClientSampleId :

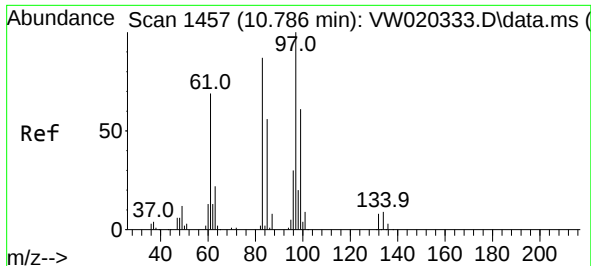
Tgt Ion: 43 Resp: 18899
Ion Ratio Lower Upper
43 100
58 3.4 29.0 43.4#
100 0.8 10.2 15.4#



#42
Toluene
Concen: 1.583 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

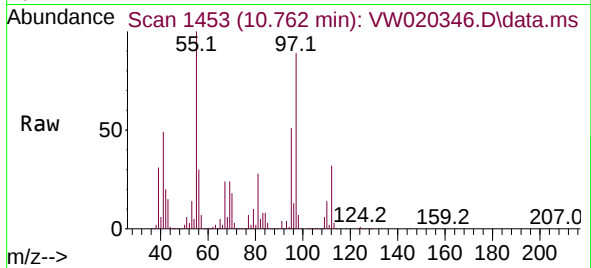
Tgt Ion: 91 Resp: 26730
Ion Ratio Lower Upper
91 100
92 55.7 41.5 77.1



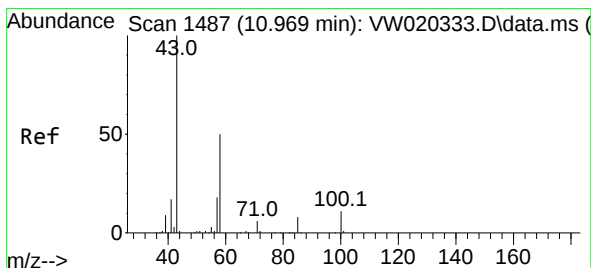
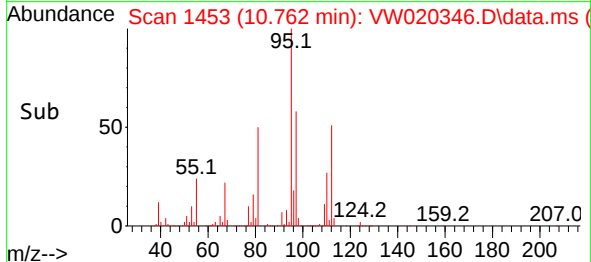
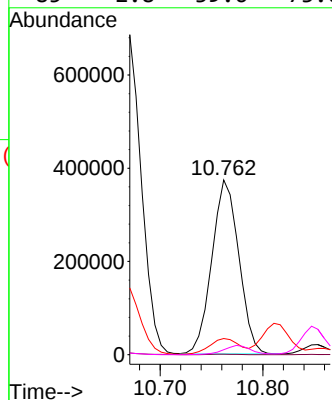


#45
1,1,2-Trichloroethane
Concen: 256.902 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Instrument :
MSVOA_W
ClientSampleId :

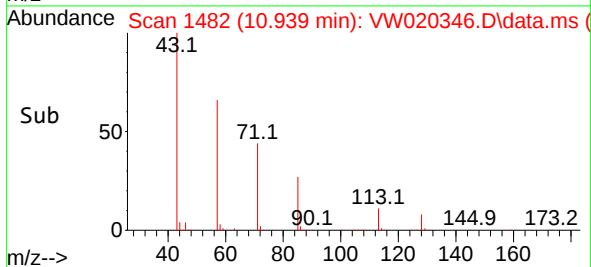
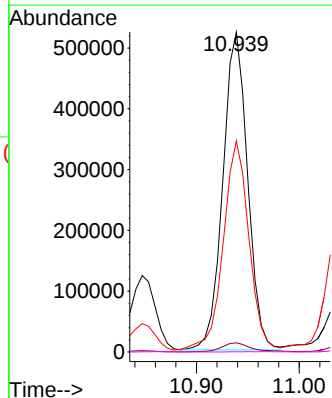
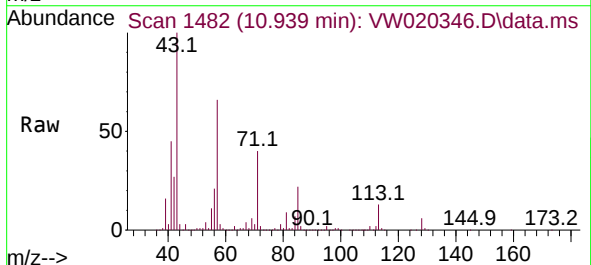


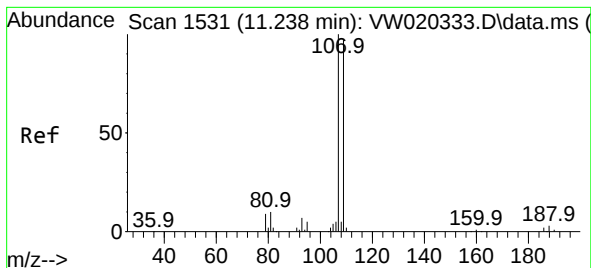
Tgt Ion: 97	Resp: 679703
Ion Ratio	Lower Upper
97 100	
99 0.3	42.8 79.4#
83 9.2	60.9 113.1#
85 2.8	39.6 73.6#



#48
2-Hexanone
Concen: 524.525 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.031 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Tgt Ion: 43	Resp: 874189
Ion Ratio	Lower Upper
43 100	
58 3.4	39.5 59.3#
57 67.8	14.2 21.4#
100 0.1	8.2 12.4#





#50

1,2-Dibromoethane

Concen: 0.886 ug/L

RT: 11.201 min Scan# 1525

Delta R.T. -0.037 min

Lab File: VW020346.D

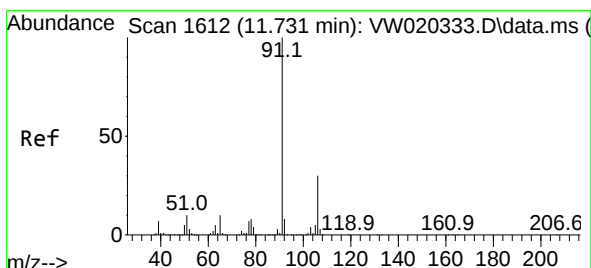
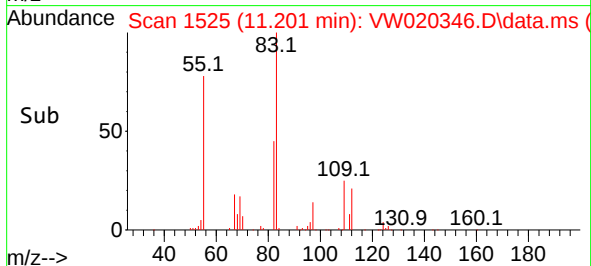
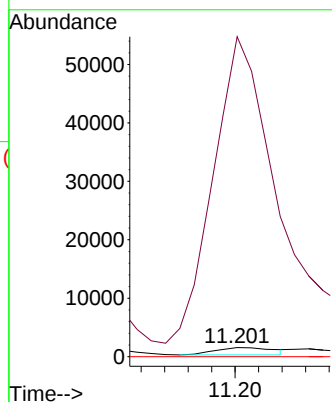
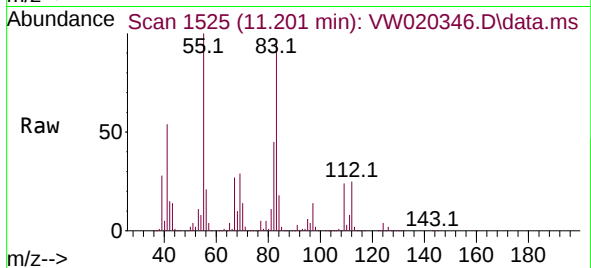
Acq: 07 Oct 2021 05:02

Instrument :

MSVOA_W

ClientSampled :

Tgt Ion:	107	Resp:	2155
Ion Ratio	Lower	Upper	
107	100		
109	3494.1	64.5	119.9#
188	0.0	3.2	4.8#



#52

Ethylbenzene

Concen: 6.466 ug/L

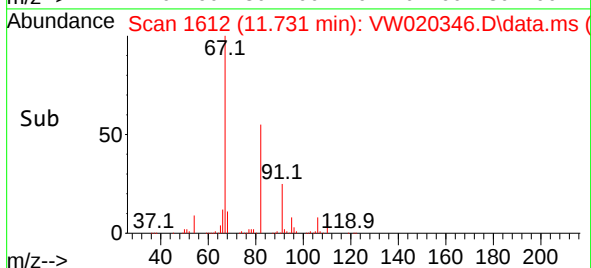
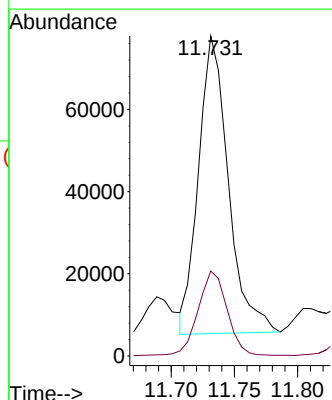
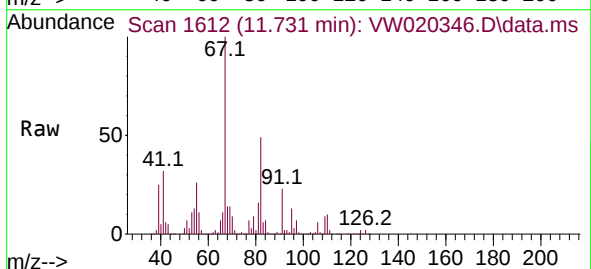
RT: 11.731 min Scan# 1612

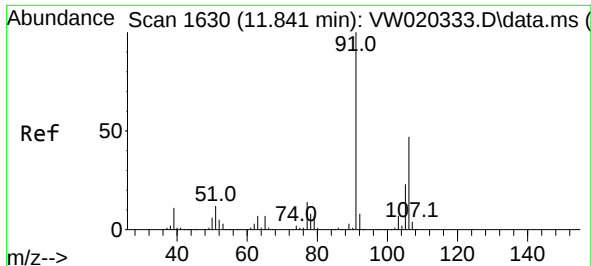
Delta R.T. -0.000 min

Lab File: VW020346.D

Acq: 07 Oct 2021 05:02

Tgt Ion:	91	Resp:	119181
Ion Ratio	Lower	Upper	
91	100		
106	26.6	21.3	39.5

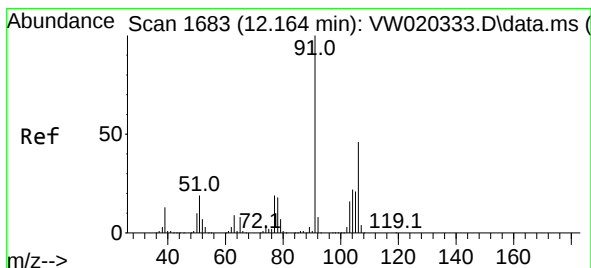
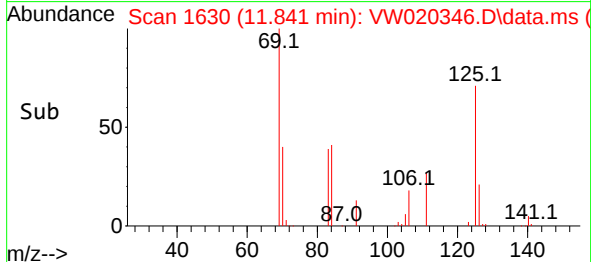
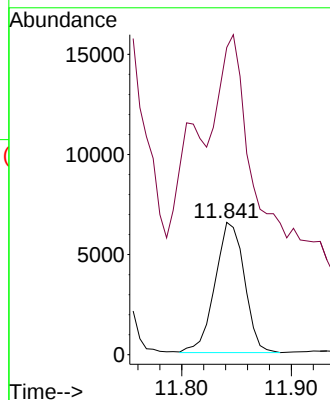
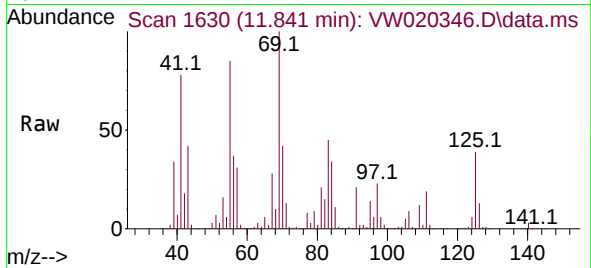




#53
m,p-Xylene
Concen: 1.785 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

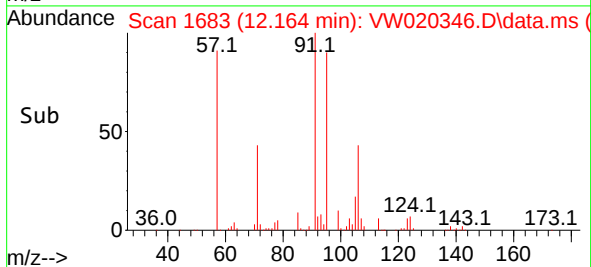
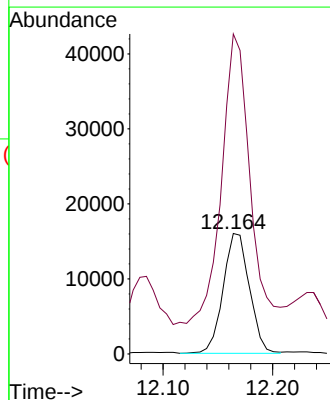
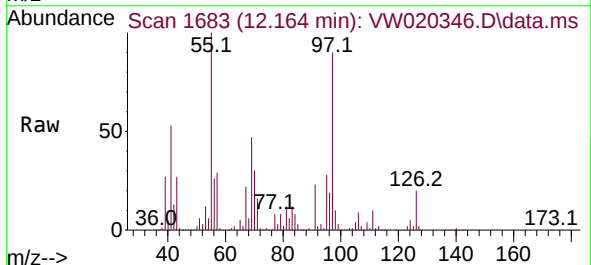
Instrument :
MSVOA_W
ClientSampled :

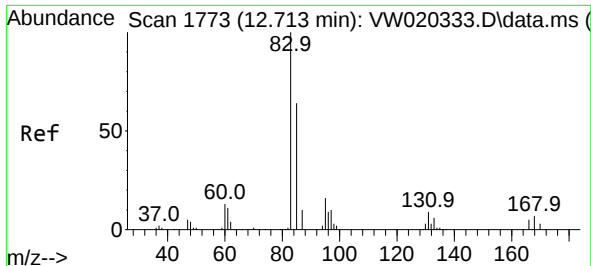
Tgt Ion:106 Resp: 12155
Ion Ratio Lower Upper
106 100
91 232.3 148.2 275.2



#54
o-Xylene
Concen: 4.155 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Tgt Ion:106 Resp: 26494
Ion Ratio Lower Upper
106 100
91 265.6 156.1 289.9

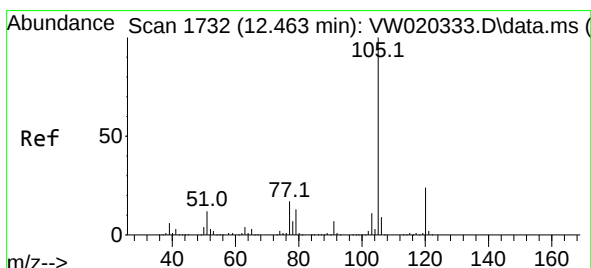
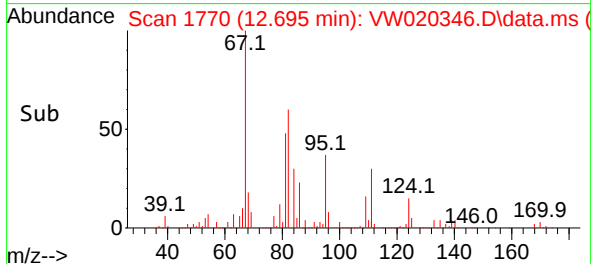
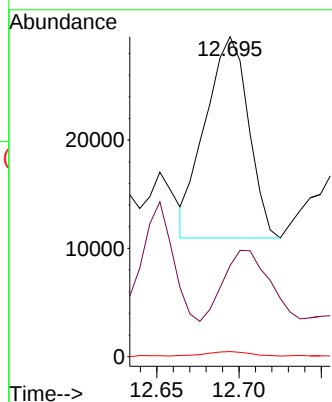
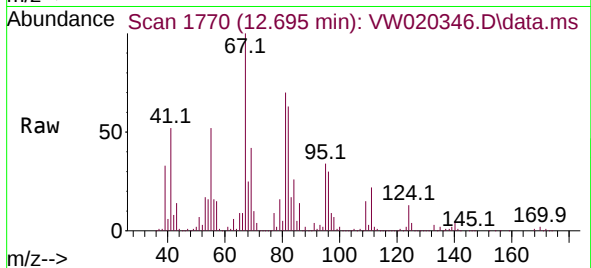




#57
1,1,2,2-Tetrachloroethane
Concen: 10.769 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

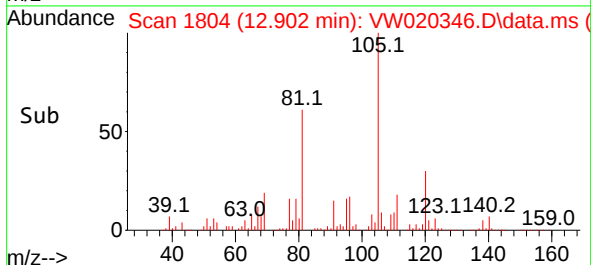
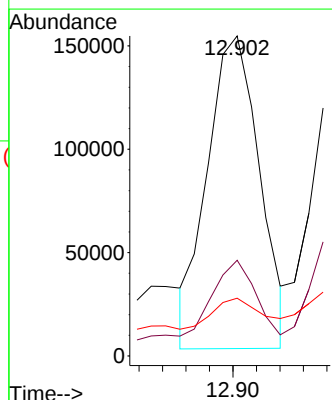
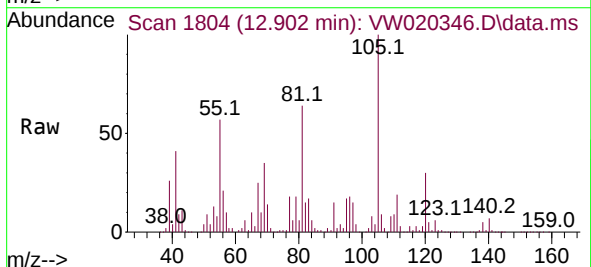
Instrument :
MSVOA_W
ClientSampled :

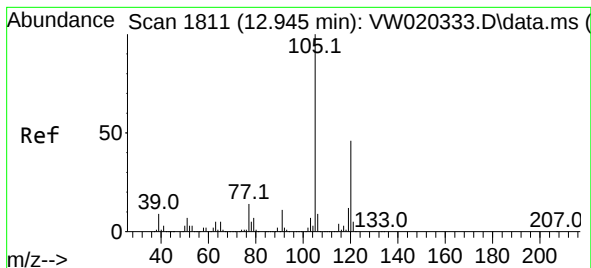
Tgt Ion: 83 Resp: 33876
Ion Ratio Lower Upper
83 100
85 28.5 45.9 85.3#
131 1.6 7.4 11.2#



#60
Isopropylbenzene
Concen: 17.674 ug/L
RT: 12.902 min Scan# 1804
Delta R.T. 0.439 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Tgt Ion:105 Resp: 234109
Ion Ratio Lower Upper
105 100
120 26.1 20.3 30.5
77 16.1 13.8 20.6

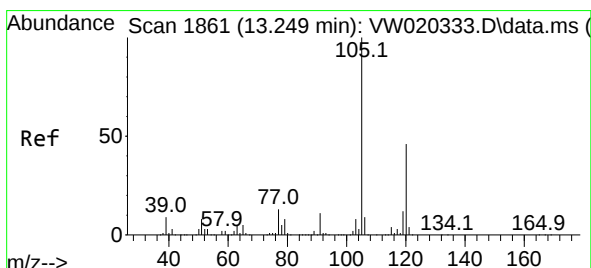
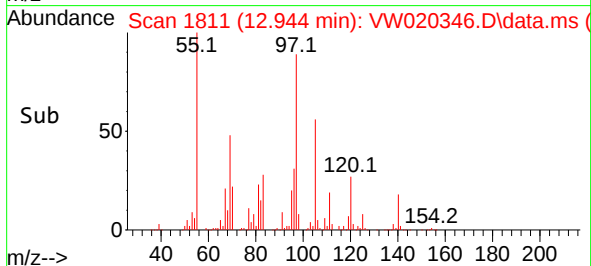
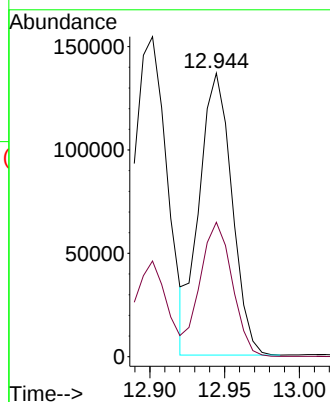
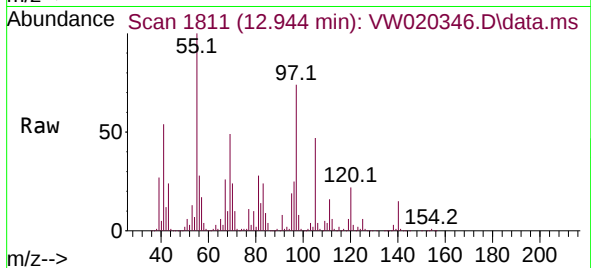




#62
1,3,5-Trimethylbenzene
Concen: 19.311 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

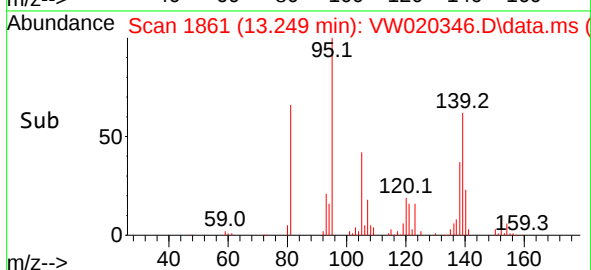
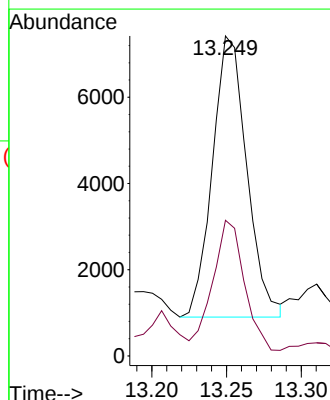
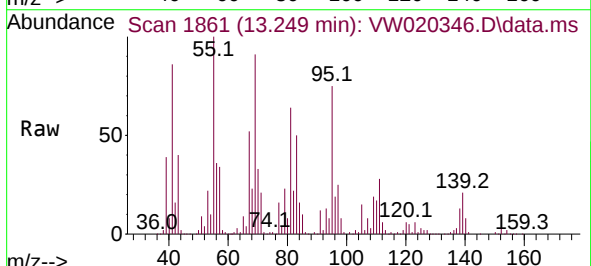
Instrument :
MSVOA_W
ClientSampleId :

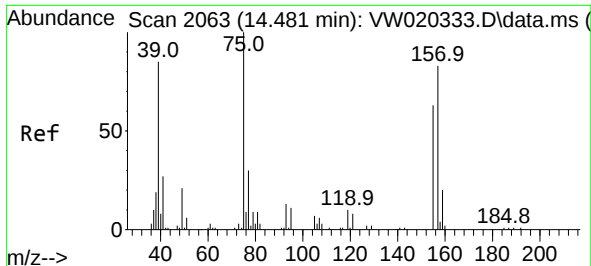
Tgt Ion:105 Resp: 206967
Ion Ratio Lower Upper
105 100
120 47.0 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 0.971 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

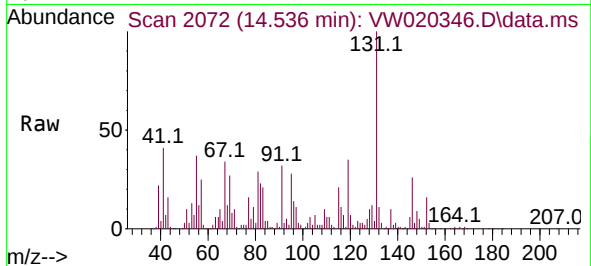
Tgt Ion:105 Resp: 10402
Ion Ratio Lower Upper
105 100
120 42.4 35.4 53.2



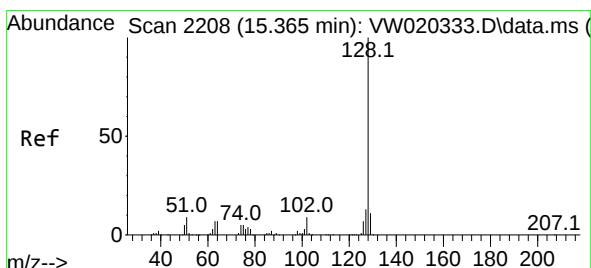
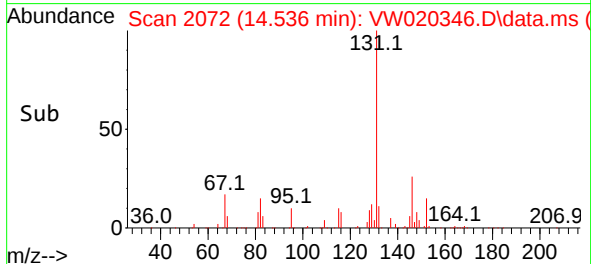
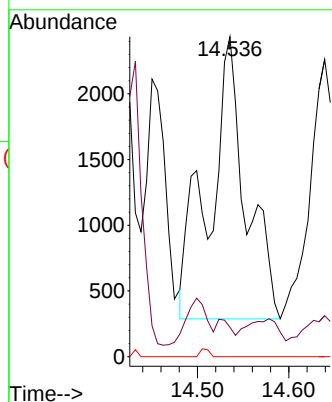


#68
1,2-Dibromo-3-chloropropane
Concen: 15.981 ug/L
RT: 14.536 min Scan# 2072
Delta R.T. 0.055 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

Instrument :
MSVOA_W
ClientSampled :

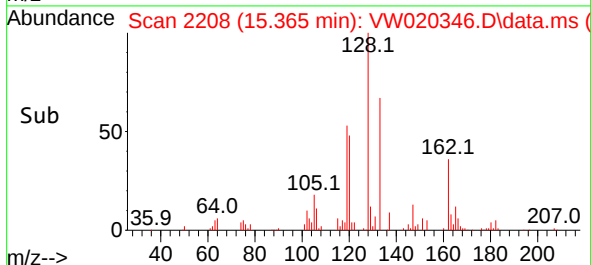
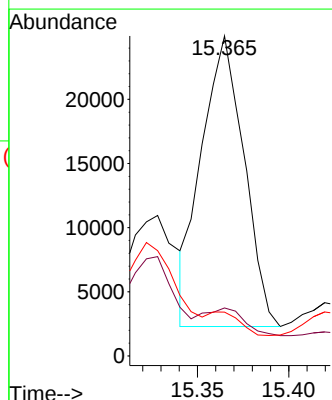
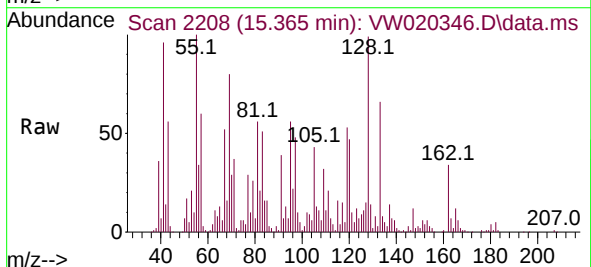


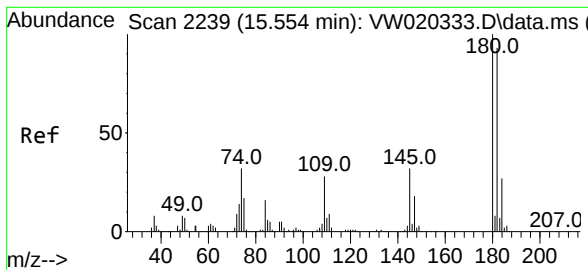
Tgt Ion: 75 Resp: 5999
Ion Ratio Lower Upper
75 100
155 9.2 51.4 77.0#
157 0.0 70.8 106.2#



#71
Naphthalene
Concen: 6.795 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020346.D
Acq: 07 Oct 2021 05:02

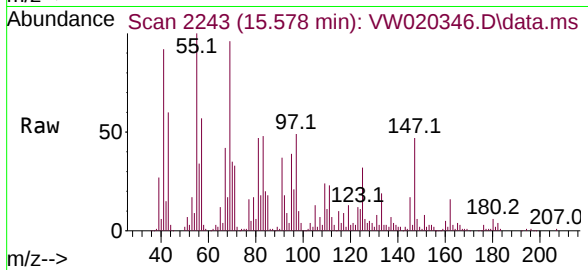
Tgt Ion: 128 Resp: 36542
Ion Ratio Lower Upper
128 100
127 9.2 10.5 15.7#
129 0.0 8.7 13.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.808 ug/L
 RT: 15.578 min Scan# 2243
 Delta R.T. 0.024 min
 Lab File: VW020346.D
 Acq: 07 Oct 2021 05:02

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 2180
 Ion Ratio Lower Upper
 180 100
 182 109.7 74.8 112.2
 145 0.0 26.2 39.4#

