

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016616.D
 Acq On : 22 Sep 2020 17:29
 Operator : SY/VA
 Sample : L4109-06
 Misc : 6.05G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X5

Manual Integrations
 APPROVED

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 9/28/2020 3:16:28 PM

Quant Time: Sep 23 08:55:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 07:21:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	668070	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	599895	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	280730	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	161514	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.92%
7) Chloroethane-d5	2.90	69	139947	26.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.04%
10) 1,1-Dichloroethene-d2	4.03	63	263714	18.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.96%
20) 2-Butanone-d5	7.08	46	74589	42.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.62%
24) Chloroform-d	7.65	84	363130	25.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.92%
26) 1,2-Dichloroethane-d4	8.31	65	183035	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.04%
29) Benzene-d6	8.28	84	707207	26.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.16%
33) 1,2-Dichloropropane-d6	9.28	67	193993	26.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.44%
37) Toluene-d8	10.33	98	691811	26.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.56%
38) trans-1,3-Dichloropropene-	10.58	79	84116	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.56%
39) 2-Hexanone-d5	10.93	63	59194	44.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140402	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	250500	27.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.06	96	13177	1.557	ug/L	# 1
13) Acetone	4.12	43	13300m	9.630	ug/L	
16) Methylene chloride	4.93	84	60182	5.841	ug/L	98
19) 1,1-Dichloroethane	6.22	63	4196	0.303	ug/L	97
22) cis-1,2-Dichloroethene	7.18	96	99509	10.944	ug/L	99
30) Cyclohexane	7.96	56	9123	0.696	ug/L	# 91
31) 1,1,1-Trichloroethane	7.88	97	283500	20.235	ug/L	100
44) Toluene	10.39	91	2418887	66.902	ug/L	98
53) Ethylbenzene	11.73	91	70965	1.729	ug/L	96
54) m,p-Xylene	11.84	106	176377	10.973	ug/L	94
55) o-xylene	12.17	106	61125	3.969	ug/L	96
57) Isopropylbenzene	12.47	105	34597	0.822	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	5456	0.299	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	12787	0.715	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	11908	0.730	ug/L	89
68) 1,2,4-trichlorobenzene	15.13	180	27199	2.518	ug/L	96
70) 1,2,3-Trichlorobenzene	15.55	180	27455	2.955	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

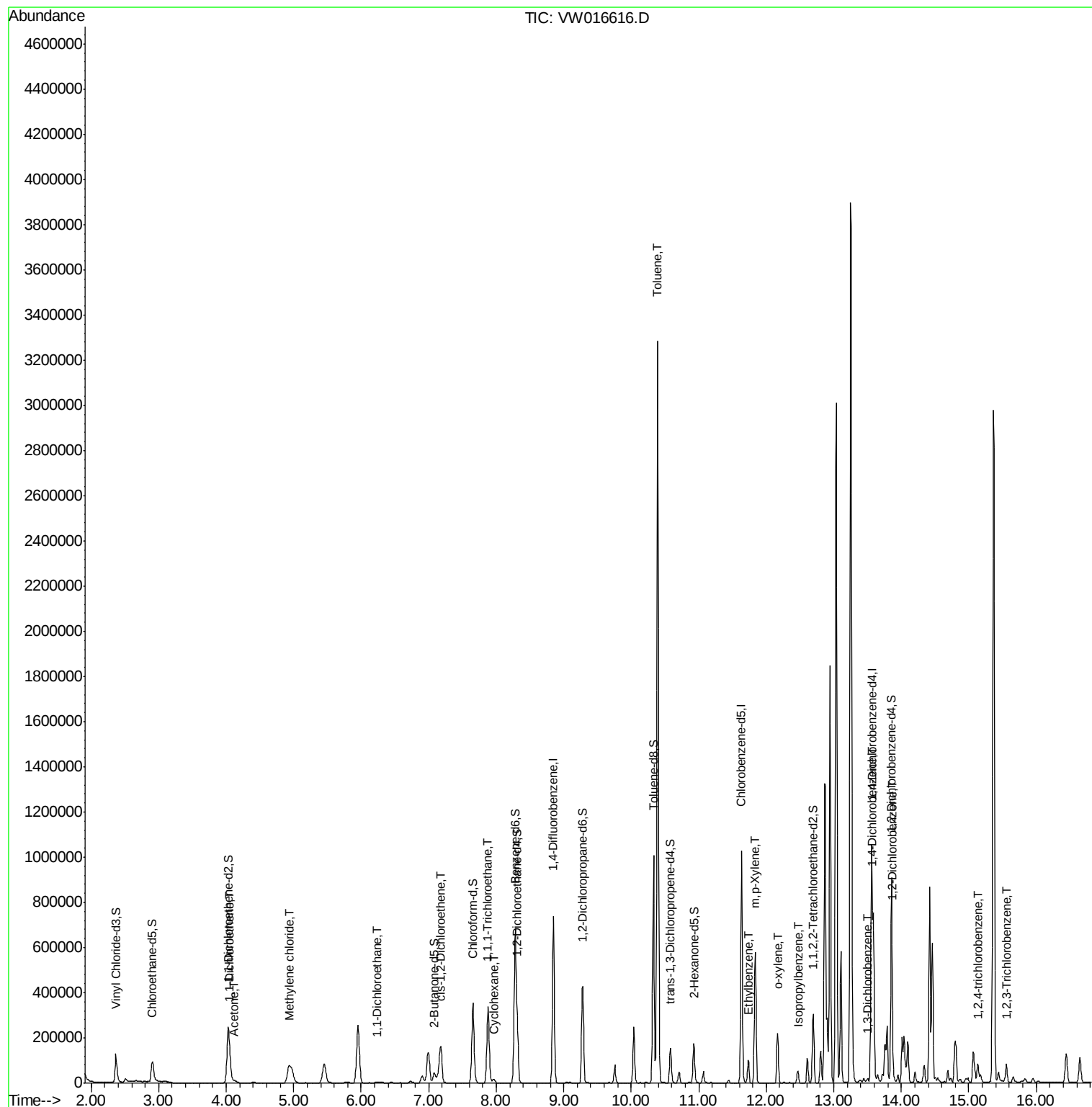
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Data File : VW016616.D
Acq On : 22 Sep 2020 17:29
Operator : SY/VA
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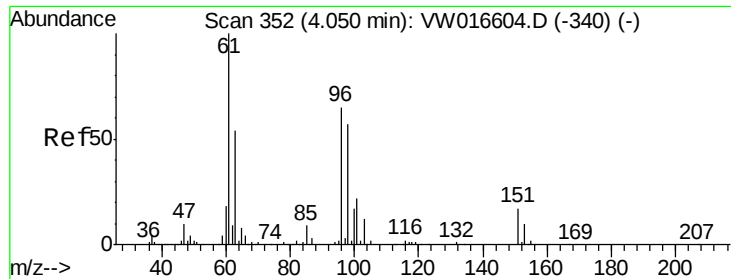
Instrument :
MSVOA_W
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Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.557 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_W

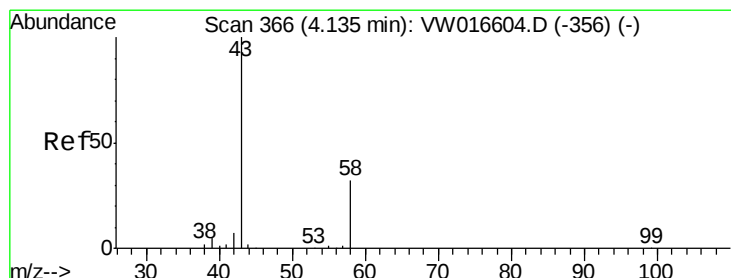
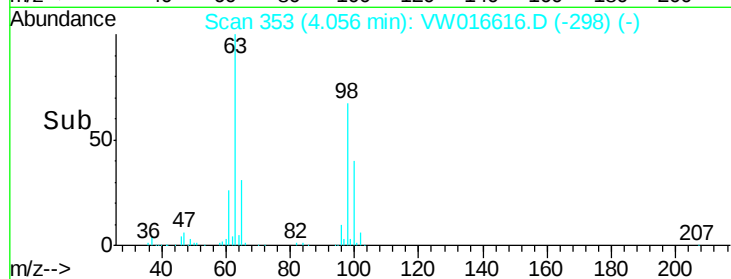
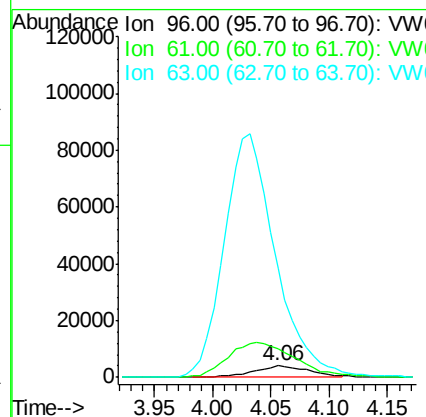
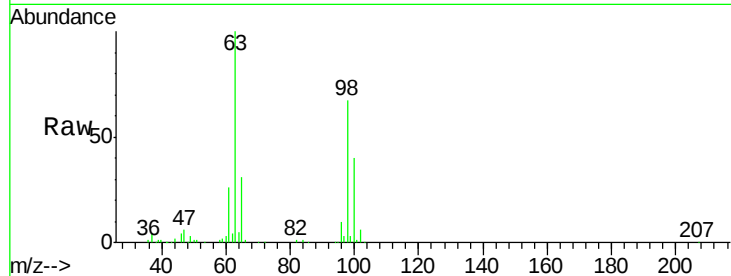
ClientSampled :

BG3X5

Tot Ion:	96	Resp:	13177
Ion	Ratio	Lower	Upper
96	100		
61	250.7	111.4	206.8#
63	965.6	73.0	135.6#

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#13

Acetone

Concen: 9.630 ug/L m

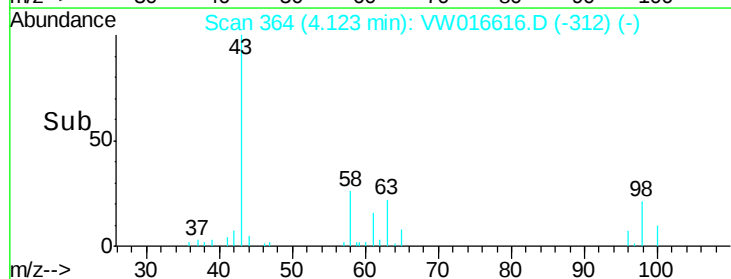
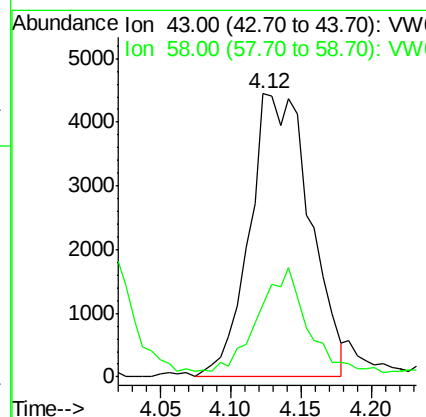
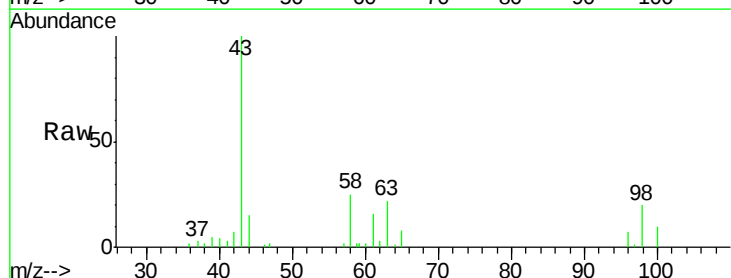
RT: 4.12 min Scan# 364

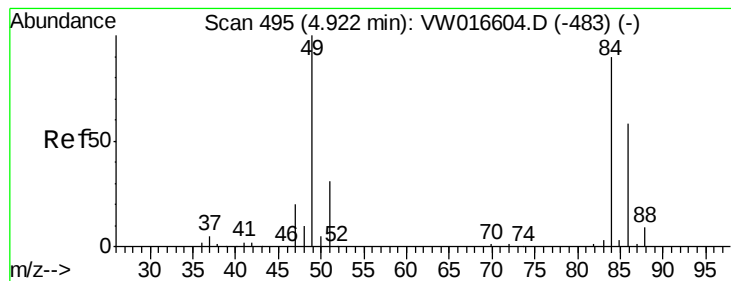
Delta R.T. -0.01 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Tgt Ion:	43	Resp:	13300
Ion	Ratio	Lower	Upper
43	100		
58	31.0	0.0	60.2





#16

Methylene chloride

Concen: 5.841 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_W

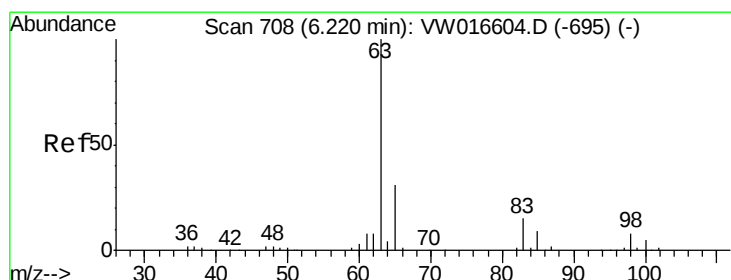
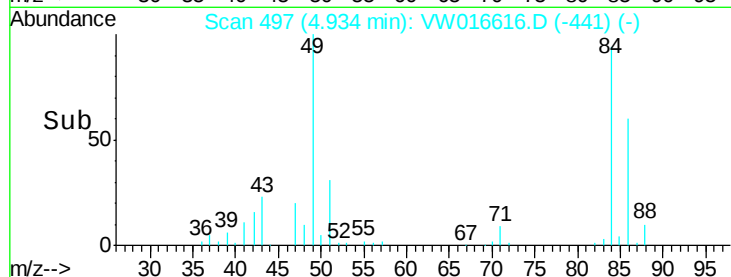
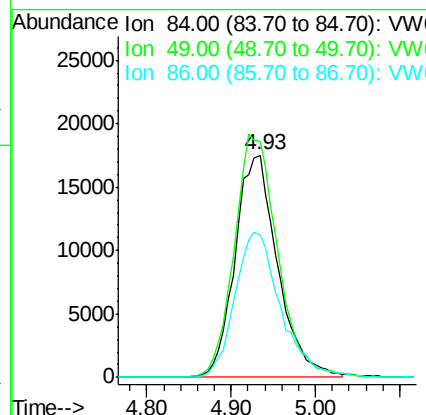
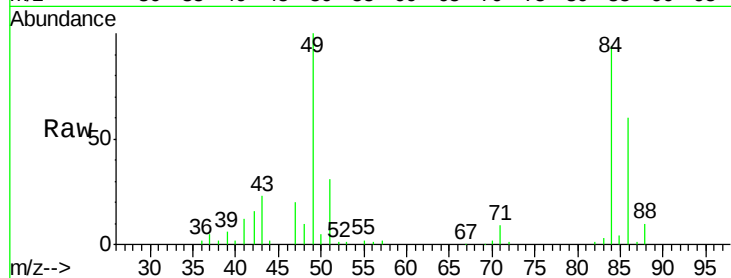
ClientSampled :

BG3X5

Tot Ion:	84	Resp:	60182
Ion	Ratio	Lower	Upper
84	100		
49	106.3	76.0	141.2
86	63.9	45.6	84.6

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#19

1,1-Dichloroethane

Concen: 0.303 ug/L

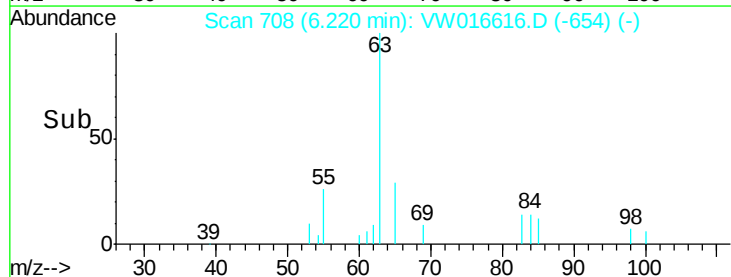
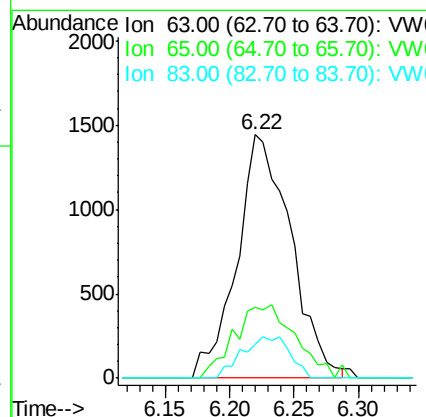
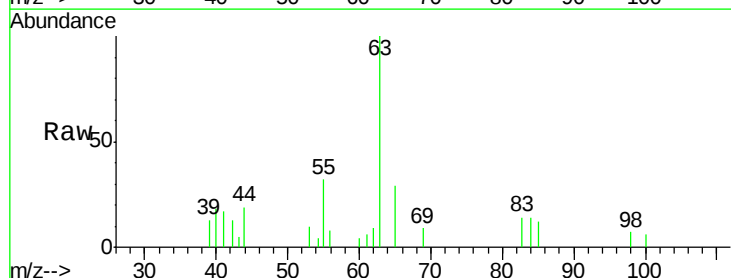
RT: 6.22 min Scan# 708

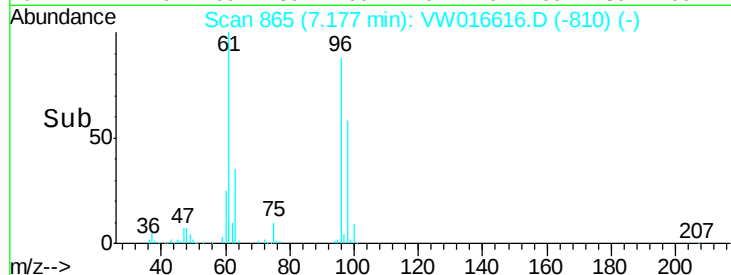
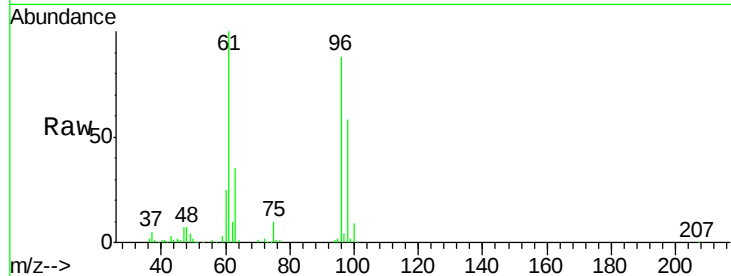
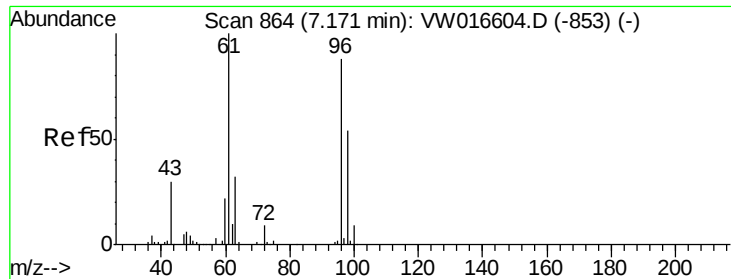
Delta R.T. -0.00 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Tgt Ion:	63	Resp:	4196
Ion	Ratio	Lower	Upper
63	100		
65	29.1	21.6	40.0
83	14.0	10.4	19.2





#22

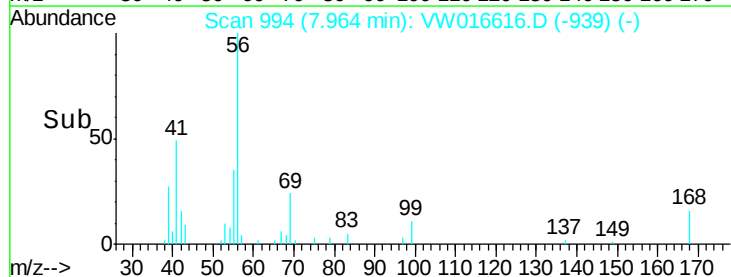
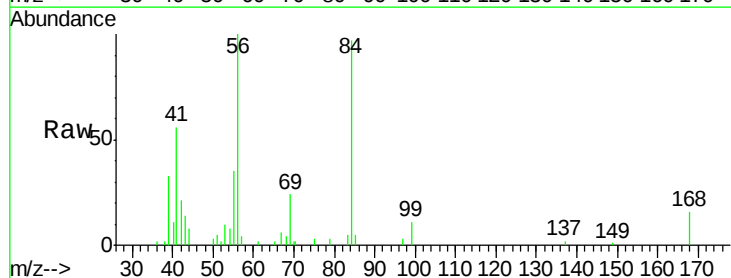
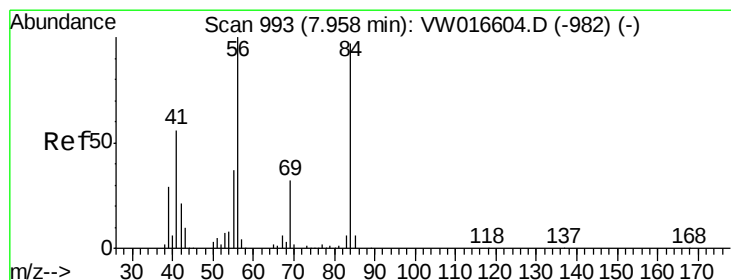
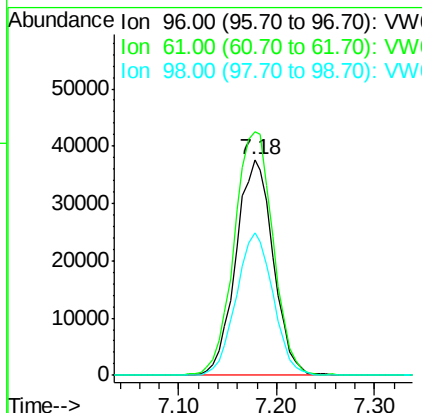
cis-1,2-Dichloroethene
Concen: 10.944 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016616.D
Acq: 22 Sep 2020 17:29

Instrument :
MSVOA_W
ClientSampled :
BG3X5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	113.0	78.4	145.6		
98	65.9	44.8	83.2		

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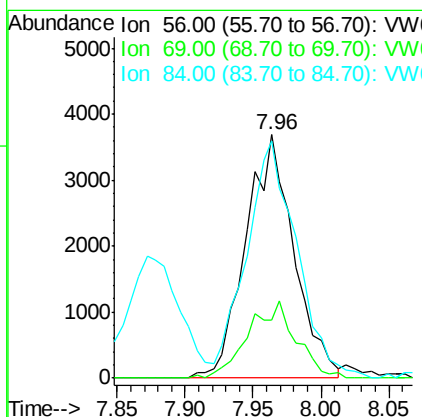
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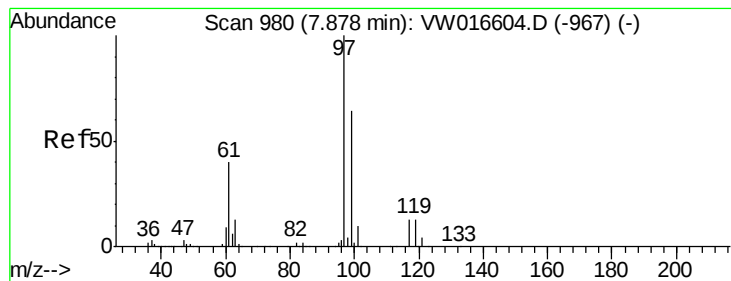


#30

Cyclohexane
Concen: 0.696 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016616.D
Acq: 22 Sep 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
69	17.1	26.5	39.7#		
84	101.9	79.0	118.6		





#31

1,1,1-Trichloroethane

Concen: 20.235 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_W

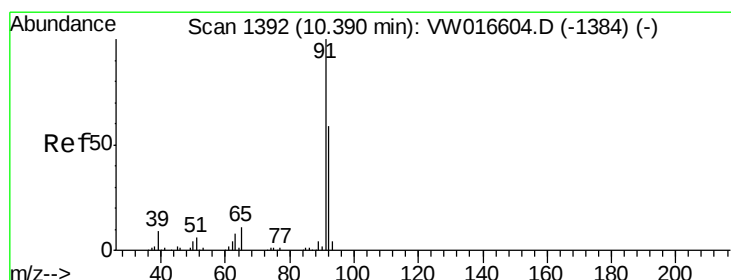
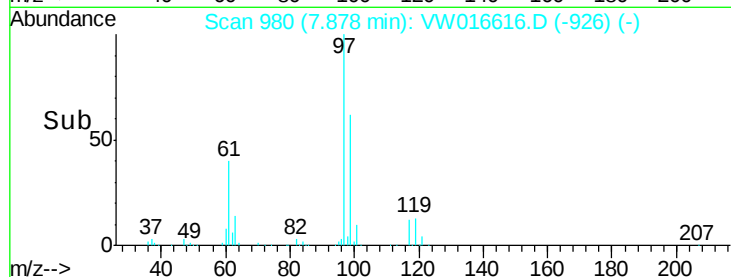
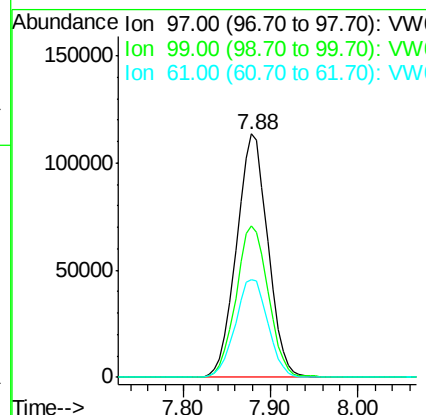
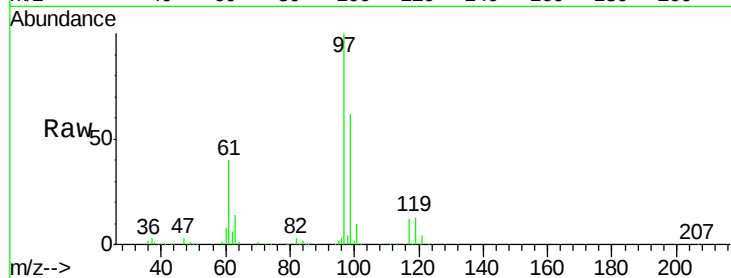
ClientSampleId :

BG3X5

Tot Ion:	97	Resp:	283500
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.6
61	41.8	33.6	50.4

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#44

Toluene

Concen: 66.902 ug/L

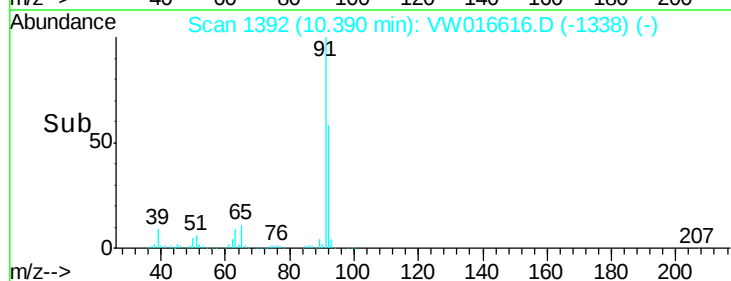
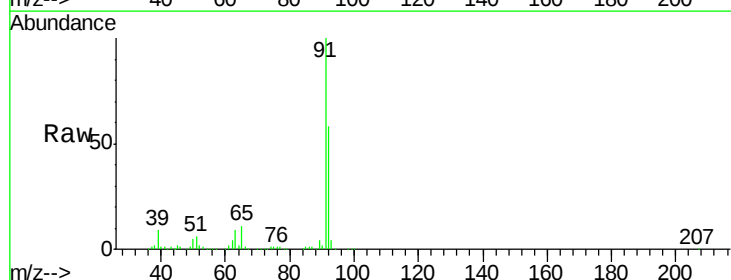
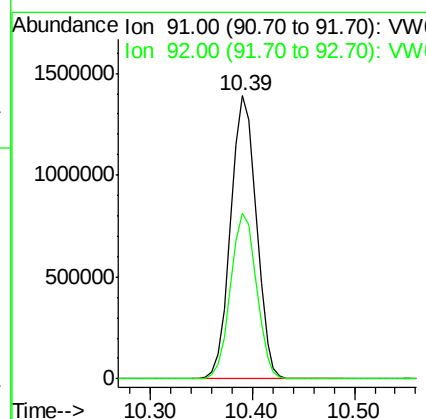
RT: 10.39 min Scan# 1392

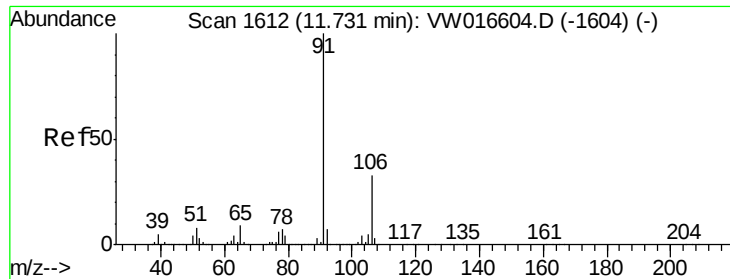
Delta R.T. -0.00 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Tgt Ion:	91	Resp:	2418887
Ion Ratio	Lower	Upper	
91	100		
92	58.4	39.6	73.6





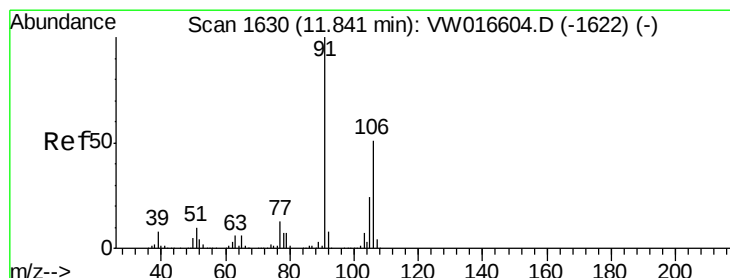
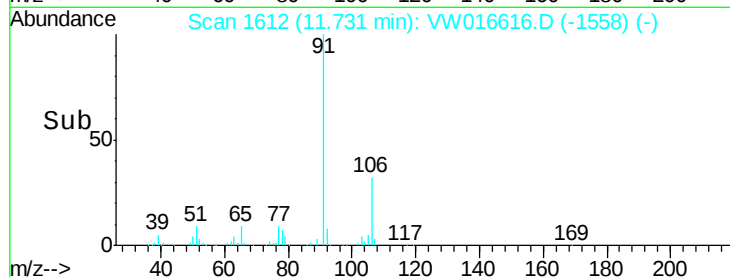
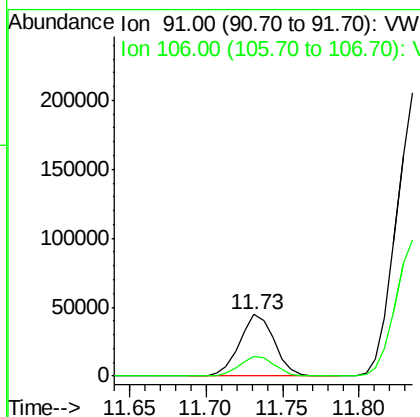
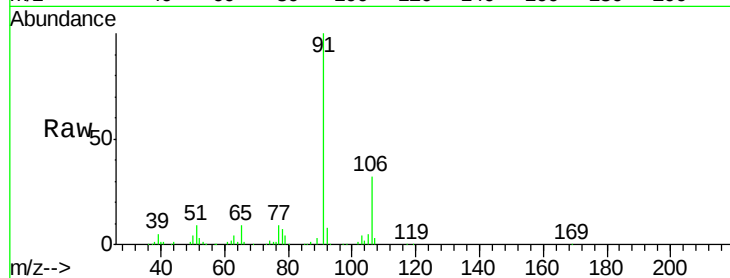
#53
Ethylbenzene
Concen: 1.729 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016616.D
Acq: 22 Sep 2020 17:29

Instrument :
MSVOA_W
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BG3X5

Tot Ion: 91 Resp: 70965
Ion Ratio Lower Upper
91 100
106 31.9 20.7 38.5

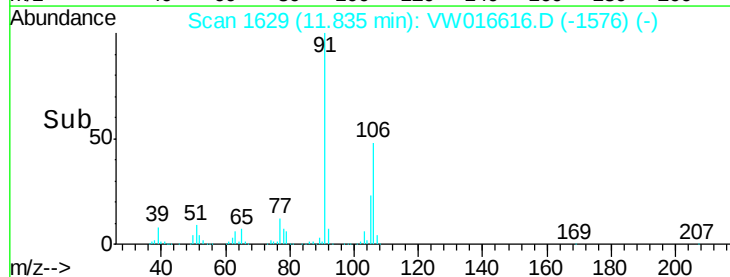
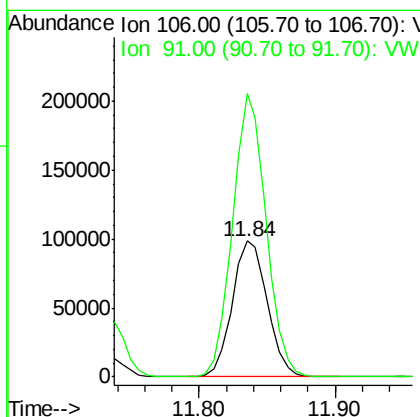
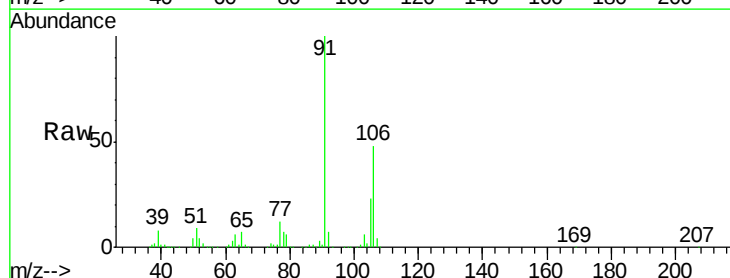
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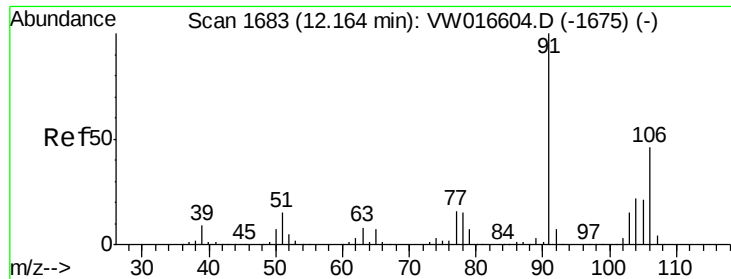
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#54
m,p-Xylene
Concen: 10.973 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016616.D
Acq: 22 Sep 2020 17:29

Tgt Ion:106 Resp: 176377
Ion Ratio Lower Upper
106 100
91 208.4 139.7 259.5





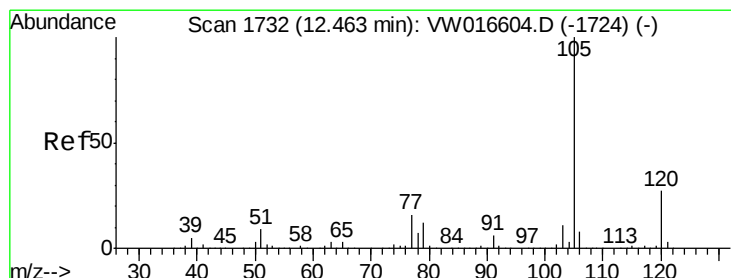
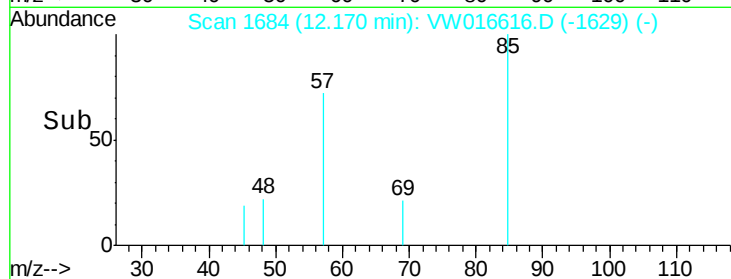
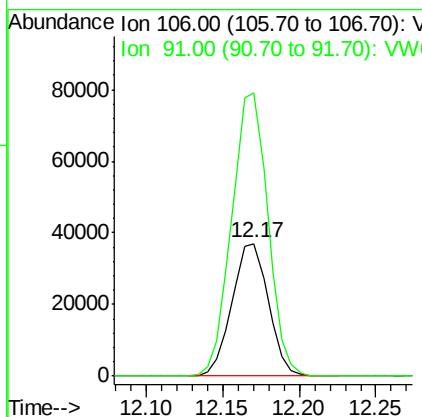
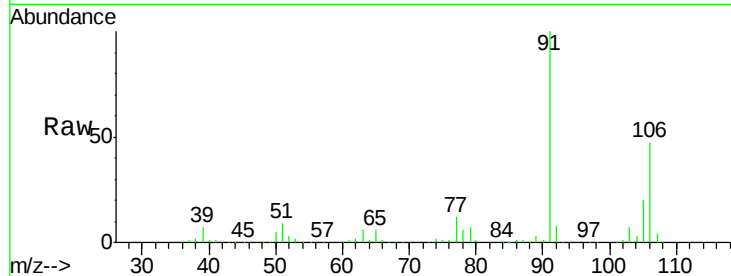
#55
o-xylene
Concen: 3.969 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016616.D
Acq: 22 Sep 2020 17:29

Instrument :
MSVOA_W
ClientSampled :
BG3X5

Tot Ion:106 Resp: 61125
Ion Ratio Lower Upper
106 100
91 213.3 144.8 268.8

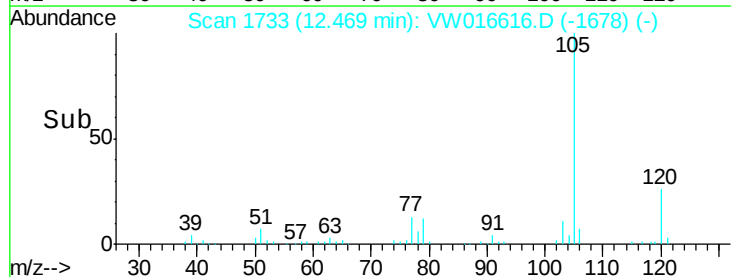
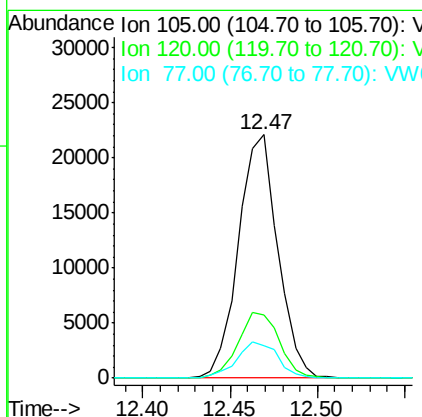
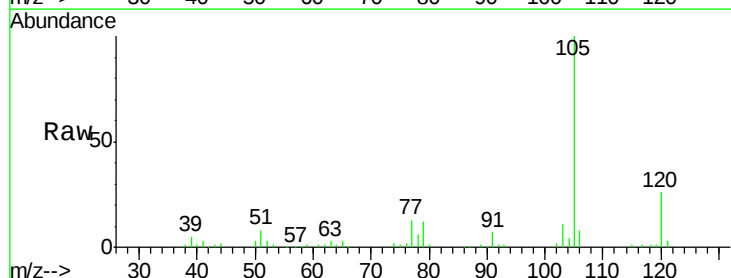
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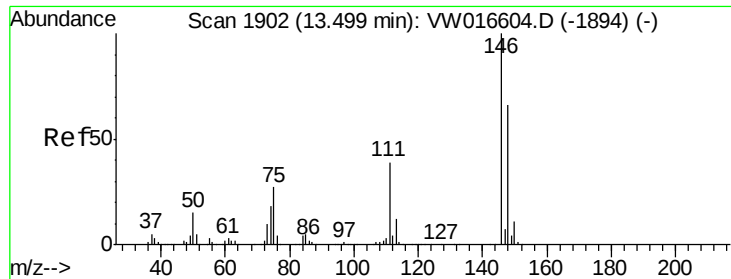
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#57
Isopropylbenzene
Concen: 0.822 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW016616.D
Acq: 22 Sep 2020 17:29

Tgt Ion:105 Resp: 34597
Ion Ratio Lower Upper
105 100
120 28.1 21.8 32.8
77 15.5 12.2 18.2





#63

1,3-Dichlorobenzene

Concen: 0.299 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Instrument :

MSVOA_W

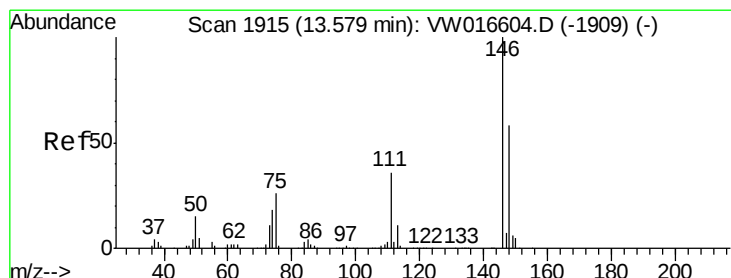
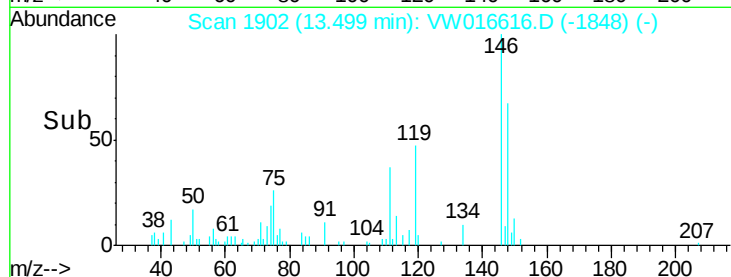
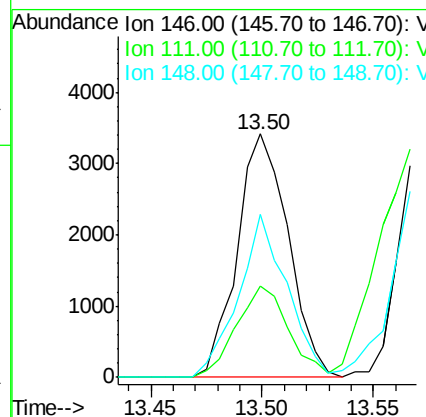
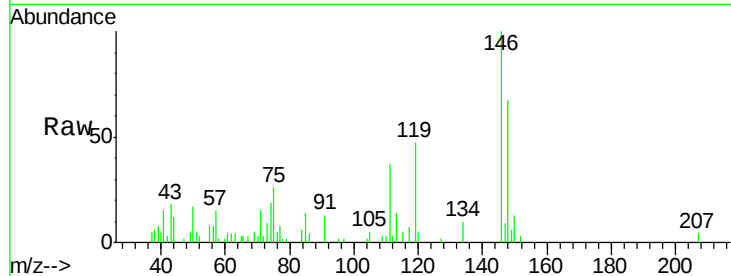
ClientSampled :

BG3X5

Tot Ion:	146	Resp:	5456
Ion	Ratio	Lower	Upper
146	100		
111	37.3	25.0	46.4
148	67.1	44.0	81.8

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#64

1,4-Dichlorobenzene

Concen: 0.715 ug/L

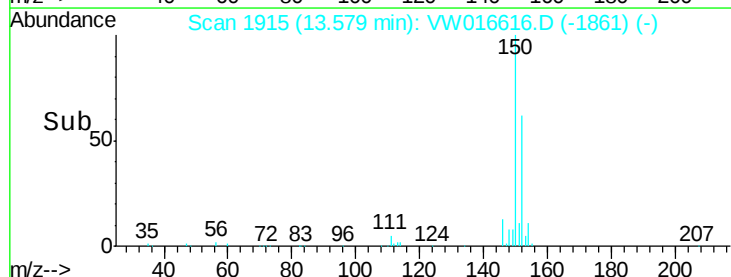
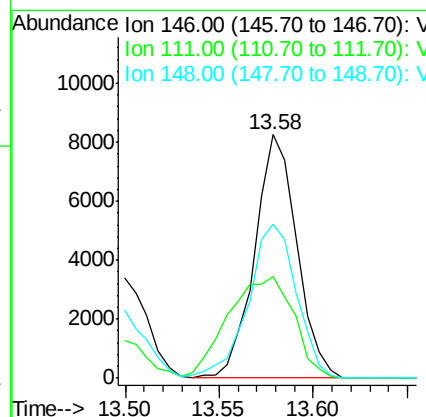
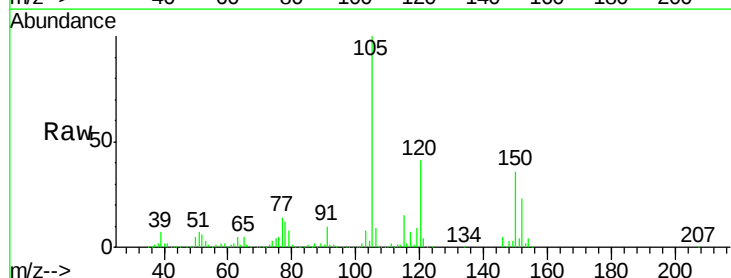
RT: 13.58 min Scan# 1915

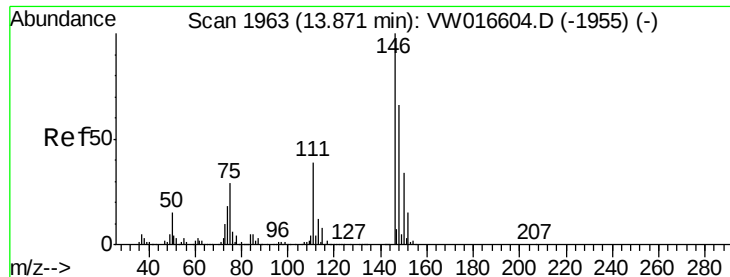
Delta R.T. -0.00 min

Lab File: VW016616.D

Acq: 22 Sep 2020 17:29

Tgt Ion:	146	Resp:	12787
Ion	Ratio	Lower	Upper
146	100		
111	41.9	25.1	46.5
148	63.5	42.3	78.5





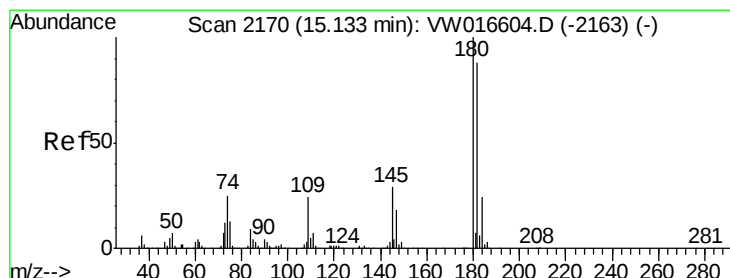
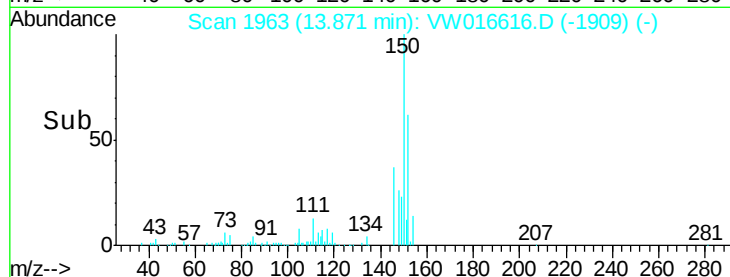
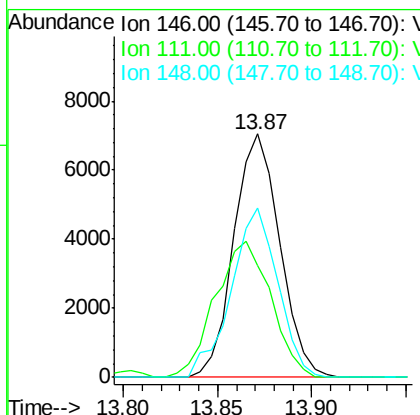
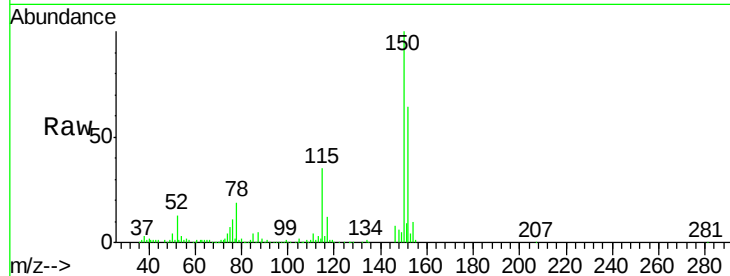
#65
 1,2-Dichlorobenzene
 Concen: 0.730 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016616.D
 Acq: 22 Sep 2020 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X5

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	31.4	47.0
148	69.7	49.3	73.9

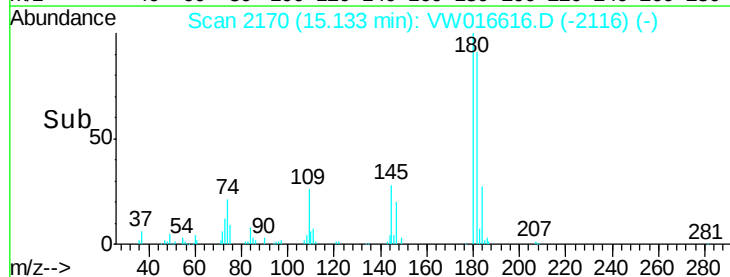
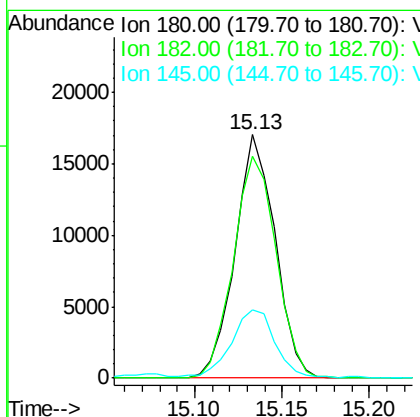
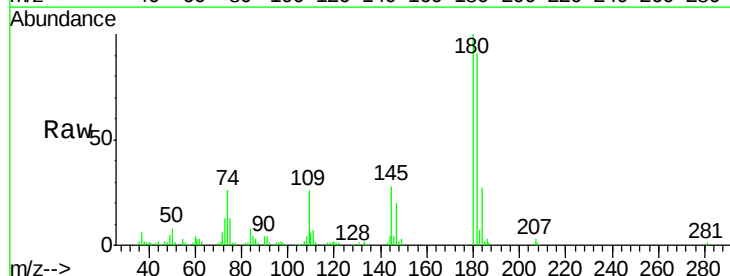
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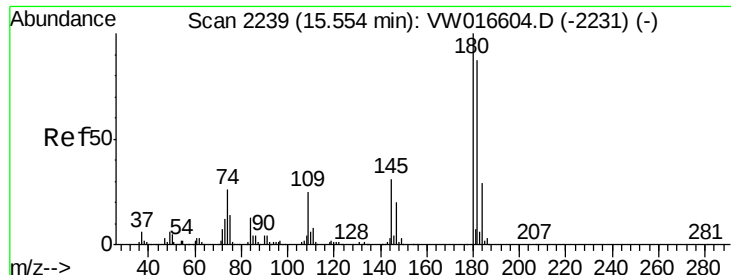
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#68
 1,2,4-trichlorobenzene
 Concen: 2.518 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016616.D
 Acq: 22 Sep 2020 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	74.5	111.7
145	31.2	23.1	34.7





#70
 1,2,3-Trichlorobenzene
 Concen: 2.955 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW016616.D
 Acq: 22 Sep 2020 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27455		
182	102.3		76.3	114.5
145	34.7		24.1	36.1

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