

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102920\
 Data File : VW017022.D
 Acq On : 29 Oct 2020 11:54
 Operator : SY/VA
 Sample : L4502-18
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG441

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 11:31:02 AM

Quant Time: Nov 01 15:39:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 01:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	617533	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	511854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	202772	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	139016	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.04%
7) Chloroethane-d5	2.89	69	110468	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
10) 1,1-Dichloroethene-d2	4.02	63	202832	14.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.52%
20) 2-Butanone-d5	7.08	46	48881	36.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.82%
24) Chloroform-d	7.65	84	275850	19.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.48%
26) 1,2-Dichloroethane-d4	8.31	65	128880	19.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.92%
29) Benzene-d6	8.27	84	578513	22.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.00%
33) 1,2-Dichloropropane-d6	9.27	67	156977	22.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.48%
37) Toluene-d8	10.33	98	538168	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.96%
38) trans-1,3-Dichloropropene-	10.58	79	60005	19.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.68%
39) 2-Hexanone-d5	10.93	63	39289	39.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100633	18.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	150218	21.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.32%

Target Compounds

					Ovalue
13) Acetone	4.14	43	5758	6.374 ug/L	96
14) Carbon disulfide	4.39	76	10498	0.428 ug/L	99
16) Methylene chloride	4.92	84	7670	0.939 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	5642	0.660 ug/L	92
34) Benzene	8.32	78	33236	1.175 ug/L	100
35) Trichloroethene	9.09	95	812350	103.731 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	2681	0.896 ug/L	98
47) Tetrachloroethene	10.88	164	19769709m	2744.357 ug/L	
64) 1,4-Dichlorobenzene	13.58	146	3535	0.271 ug/L	90
65) 1,2-Dichlorobenzene	13.87	146	3653	0.317 ug/L #	83

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

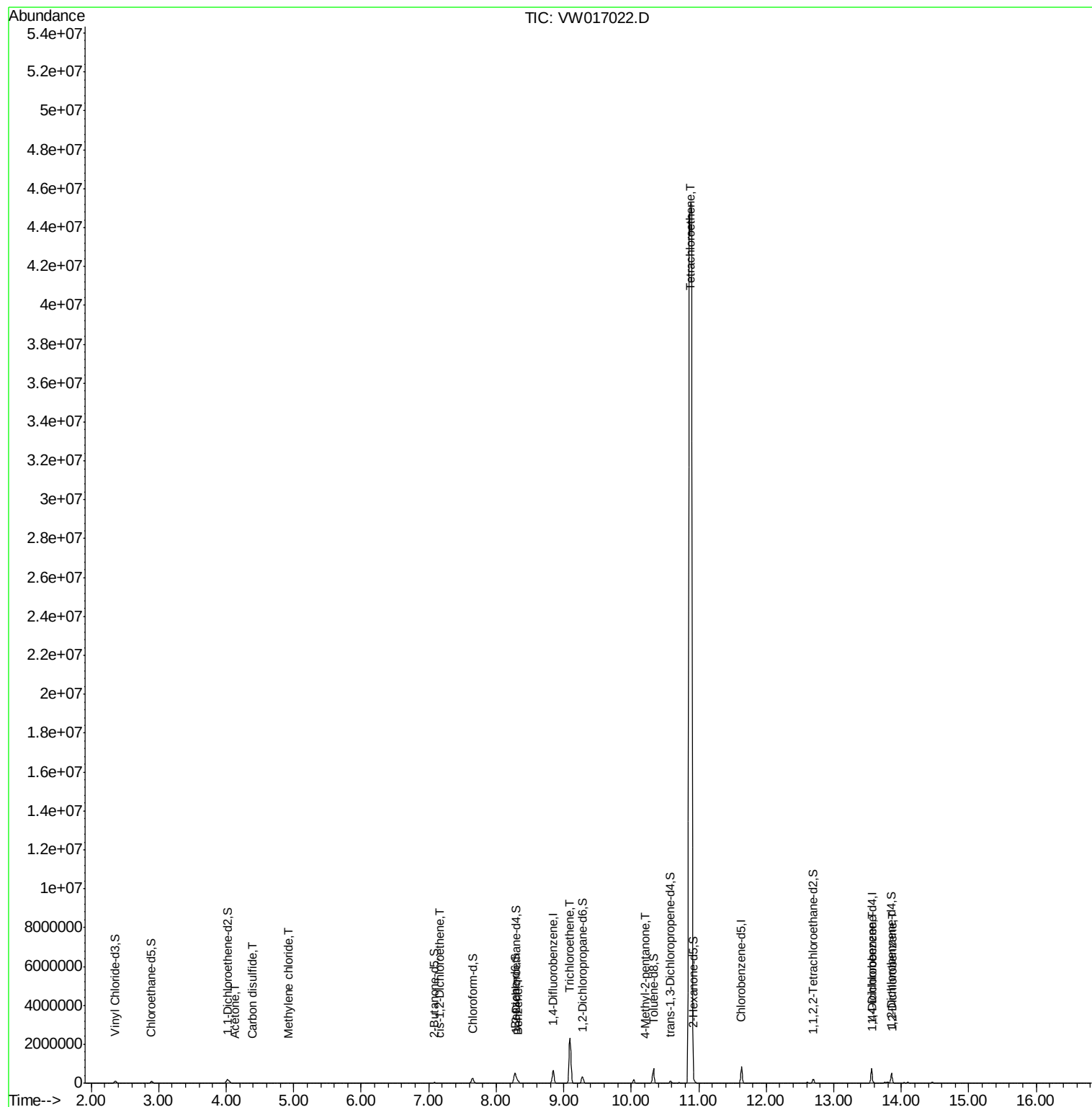
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
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ALS Vial : 4 Sample Multiplier: 1

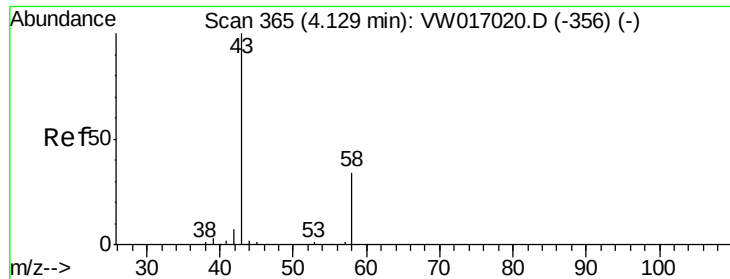
Instrument :
MSVOA_W
ClientSampleId :
BG441

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Quant Time: Nov 01 15:39:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 30 01:03:22 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.374 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Instrument :

MSVOA_W

ClientSampled :

BG441

Tot Ion: 43 Resp: 5758

Ion Ratio Lower Upper

43 100

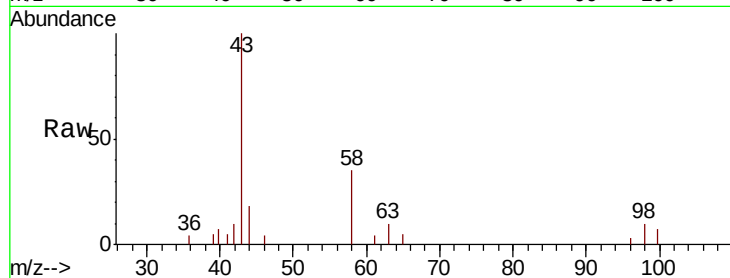
58 32.8 0.0 69.8

Manual Integrations

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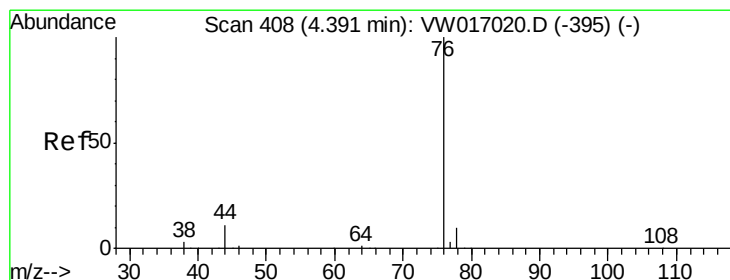
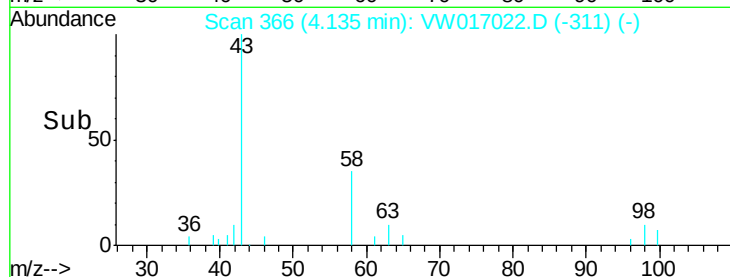
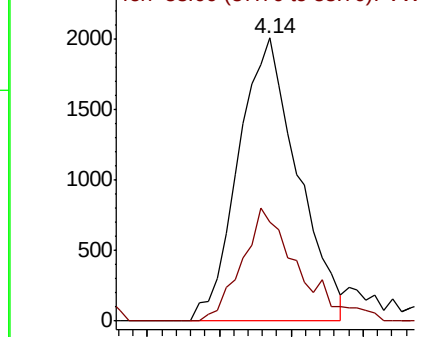
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.428 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017022.D

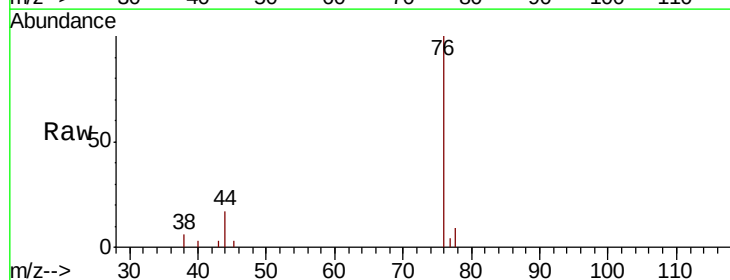
Acq: 29 Oct 2020 11:54

Tgt Ion: 76 Resp: 10498

Ion Ratio Lower Upper

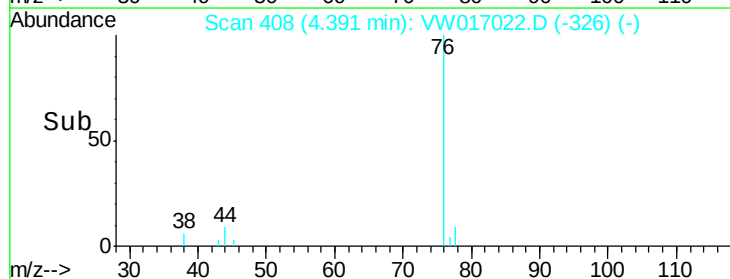
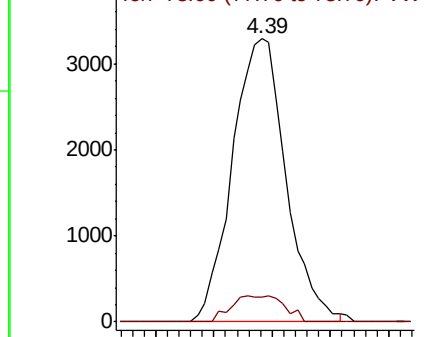
76 100

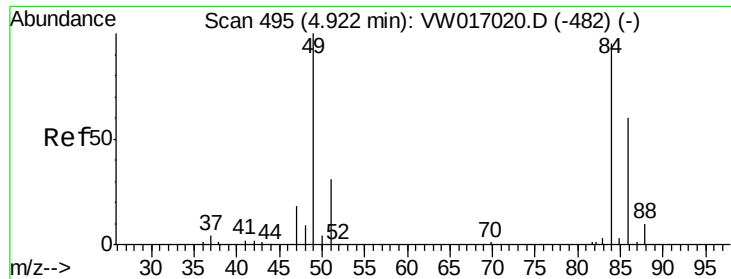
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





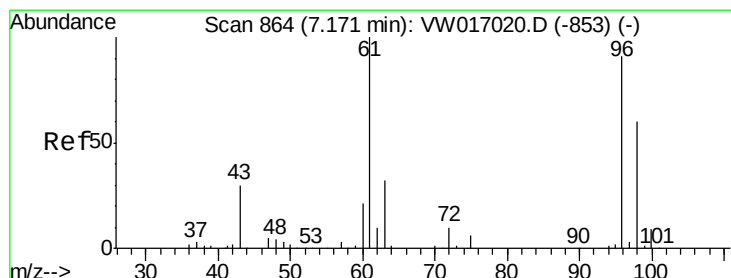
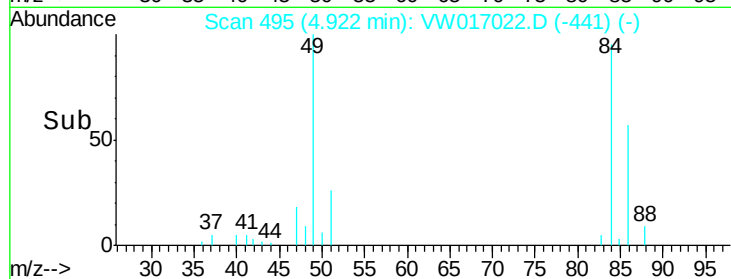
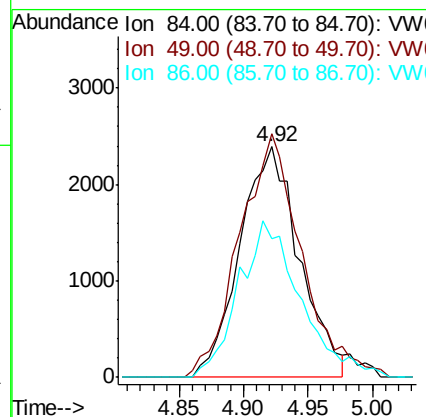
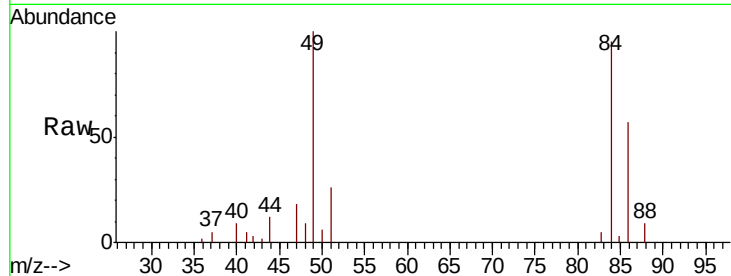
#16
Methylene chloride
Concen: 0.939 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :
BG441

Tot Ion	Ratio	Lower	Upper
84	100		
49	105.7	73.8	137.0
86	60.1	47.4	88.0

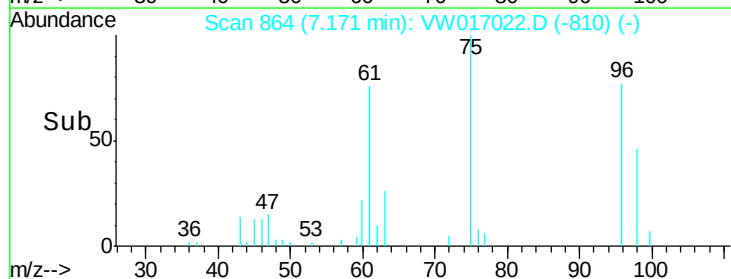
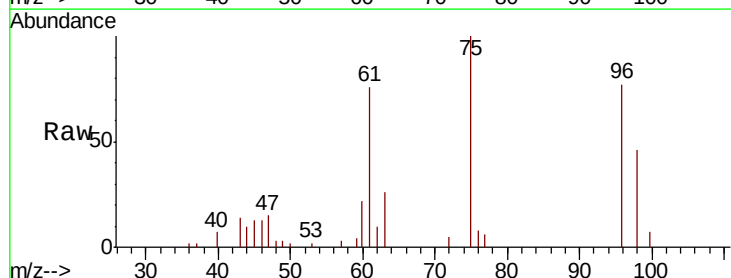
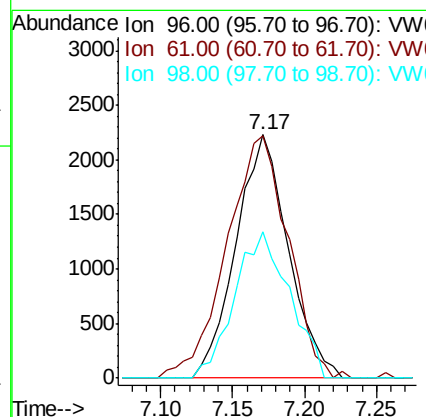
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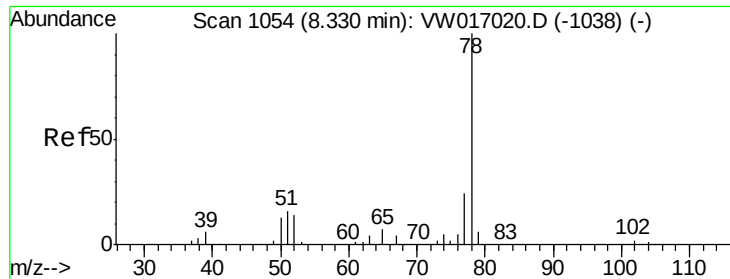
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#22
cis-1,2-Dichloroethene
Concen: 0.660 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	99.3	77.4	143.8
98	60.1	44.4	82.5





#34

Benzene

Concen: 1.175 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Instrument :

MSVOA_W

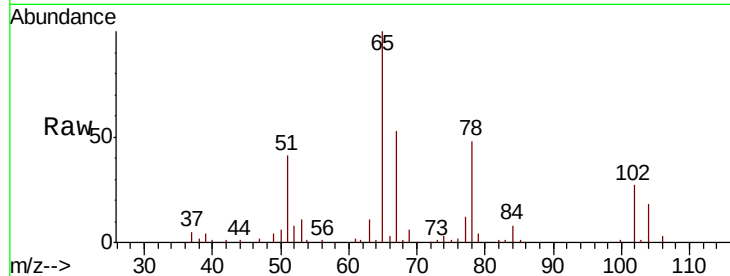
ClientSampleId :

BG441

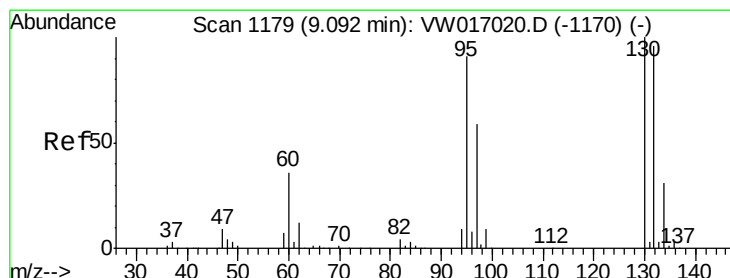
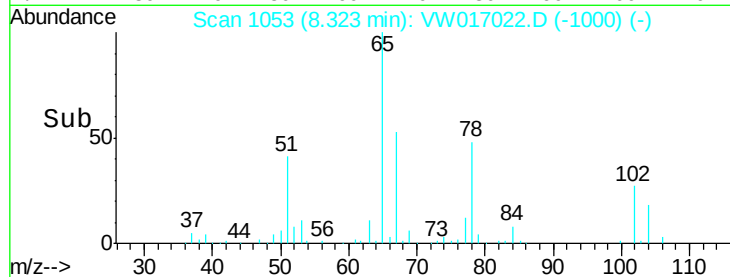
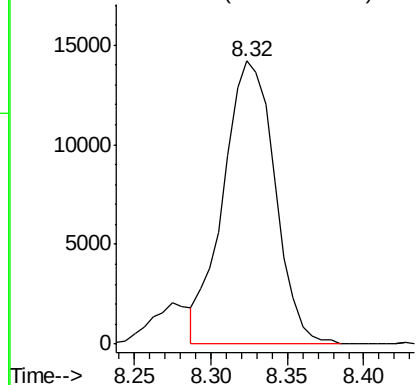
Tgt Ion: 78 Resp: 33236

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Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 103.731 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Tgt Ion: 95 Resp: 812350

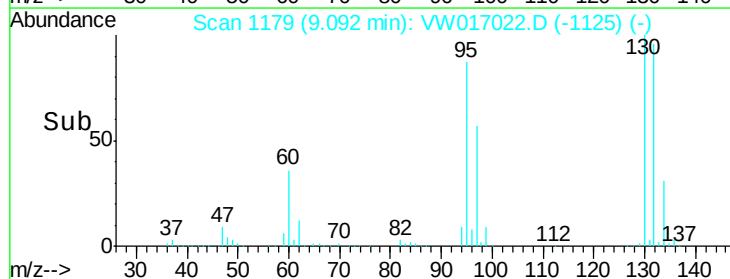
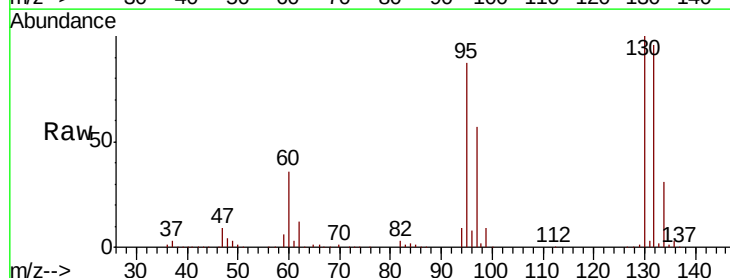
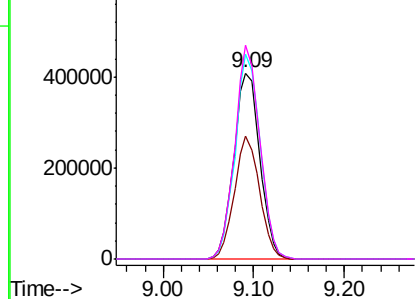
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.0	85.4
132	106.5	73.9	137.3
130	110.3	77.6	144.2

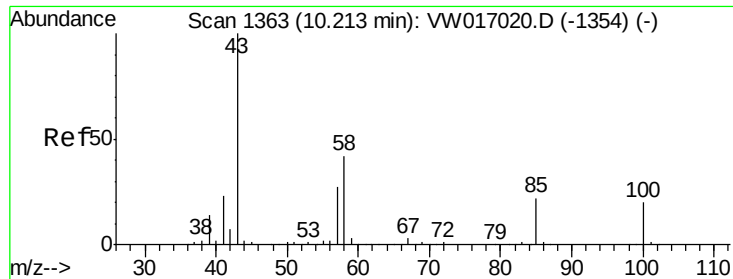
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#43

4-Methyl-2-pentanone

Concen: 0.896 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Instrument :

MSVOA_W

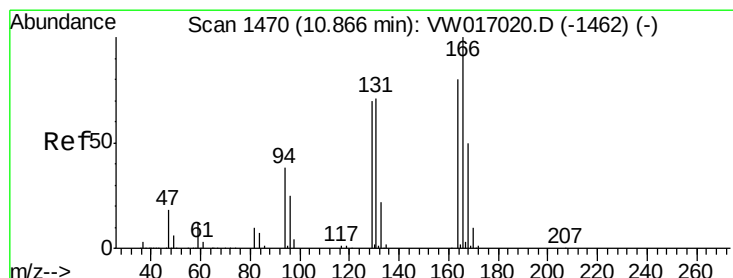
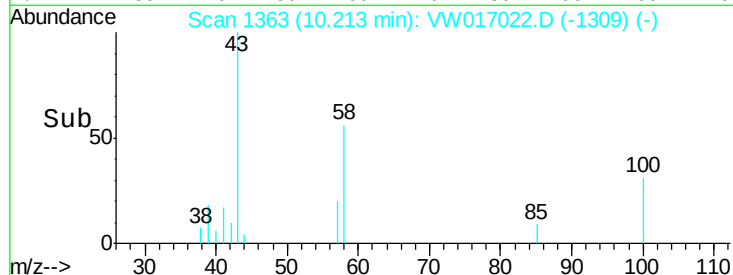
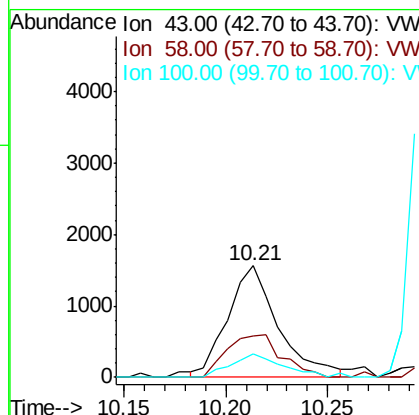
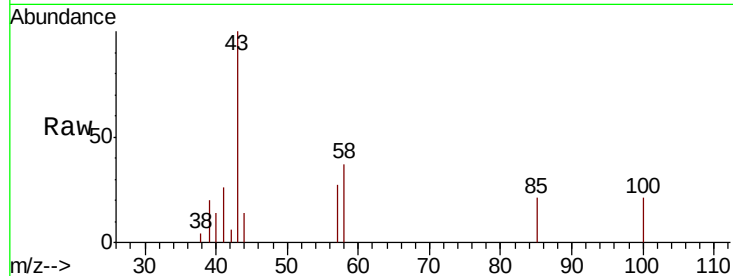
ClientSampled :

BG441

Tot Ion:	43	Resp:	2681
Ion	Ratio	Lower	Upper
43	100		
58	41.9	34.4	51.6
100	21.2	16.2	24.2

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#47

Tetrachloroethene

Concen: 2744.357 ug/L m

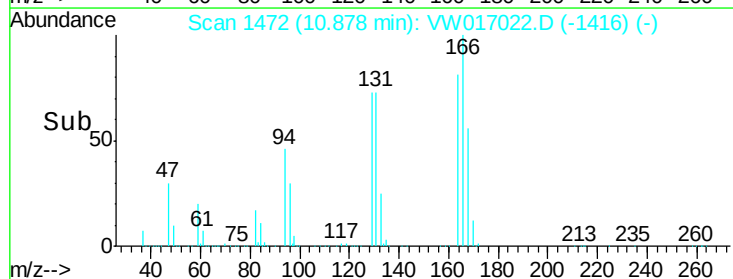
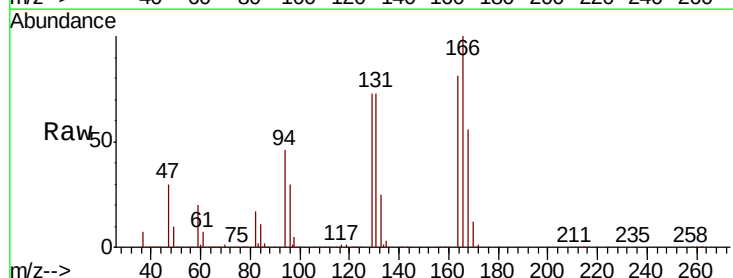
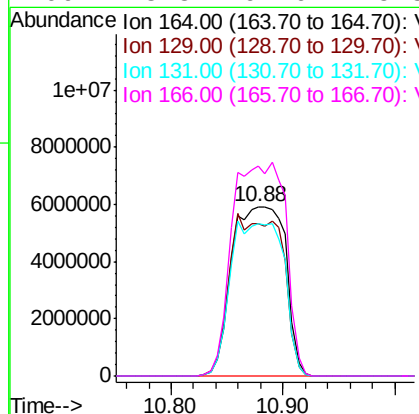
RT: 10.88 min Scan# 1472

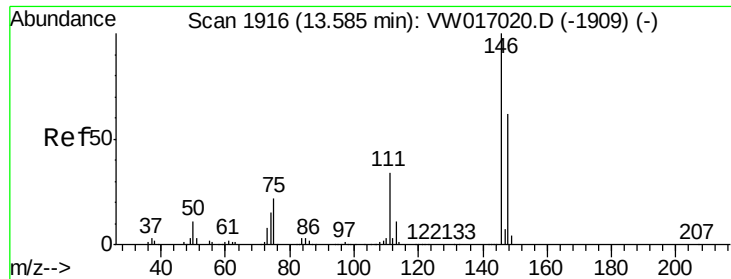
Delta R.T. 0.01 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Tgt Ion:	164	Resp:	19769709
Ion	Ratio	Lower	Upper
164	100		
129	90.2	64.0	119.0
131	90.2	61.7	114.5
166	123.8	94.6	175.8





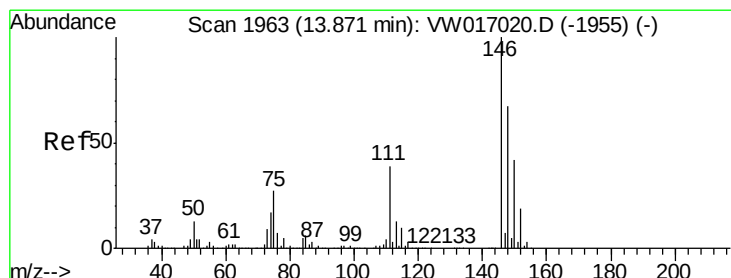
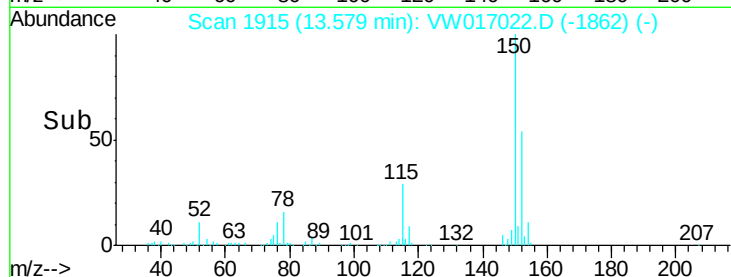
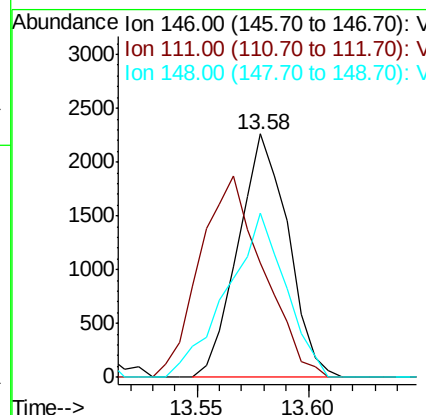
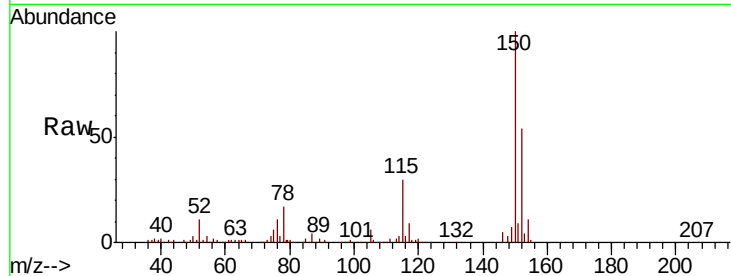
#64
1,4-Dichlorobenzene
Concen: 0.271 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :
BG441

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	25.7	47.7
148	67.4	44.3	82.3

Manual Integrations
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#65
1,2-Dichlorobenzene
Concen: 0.317 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	61.0	31.4	47.0#
148	62.7	47.7	71.5

