

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102620\
 Data File : VW016994.D
 Acq On : 26 Oct 2020 13:24
 Operator : SY/VA
 Sample : L4502-12
 Misc : 4.70G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG439

Quant Time: Oct 27 08:24:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 08:16:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	355536	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292477	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	91298	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	115743	28.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.84%
7) Chloroethane-d5	2.89	69	92115	28.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.88%
10) 1,1-Dichloroethene-d2	4.02	63	161480	20.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.92%
20) 2-Butanone-d5	7.08	46	63292	81.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.76%#
24) Chloroform-d	7.65	84	236314	28.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.28%
26) 1,2-Dichloroethane-d4	8.31	65	128045	33.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	132.72%#
29) Benzene-d6	8.27	84	485231	32.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	129.20%
33) 1,2-Dichloropropane-d6	9.27	67	140890	34.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.96%#
37) Toluene-d8	10.33	98	429027	30.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	121.32%
38) trans-1,3-Dichloropropene-	10.58	79	55248	32.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	128.40%
39) 2-Hexanone-d5	10.93	63	50119	88.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	176.04%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113197	36.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	146.56%#
61) 1,2-Dichlorobenzene-d4	13.85	152	98124	30.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	122.32%#

Target Compounds

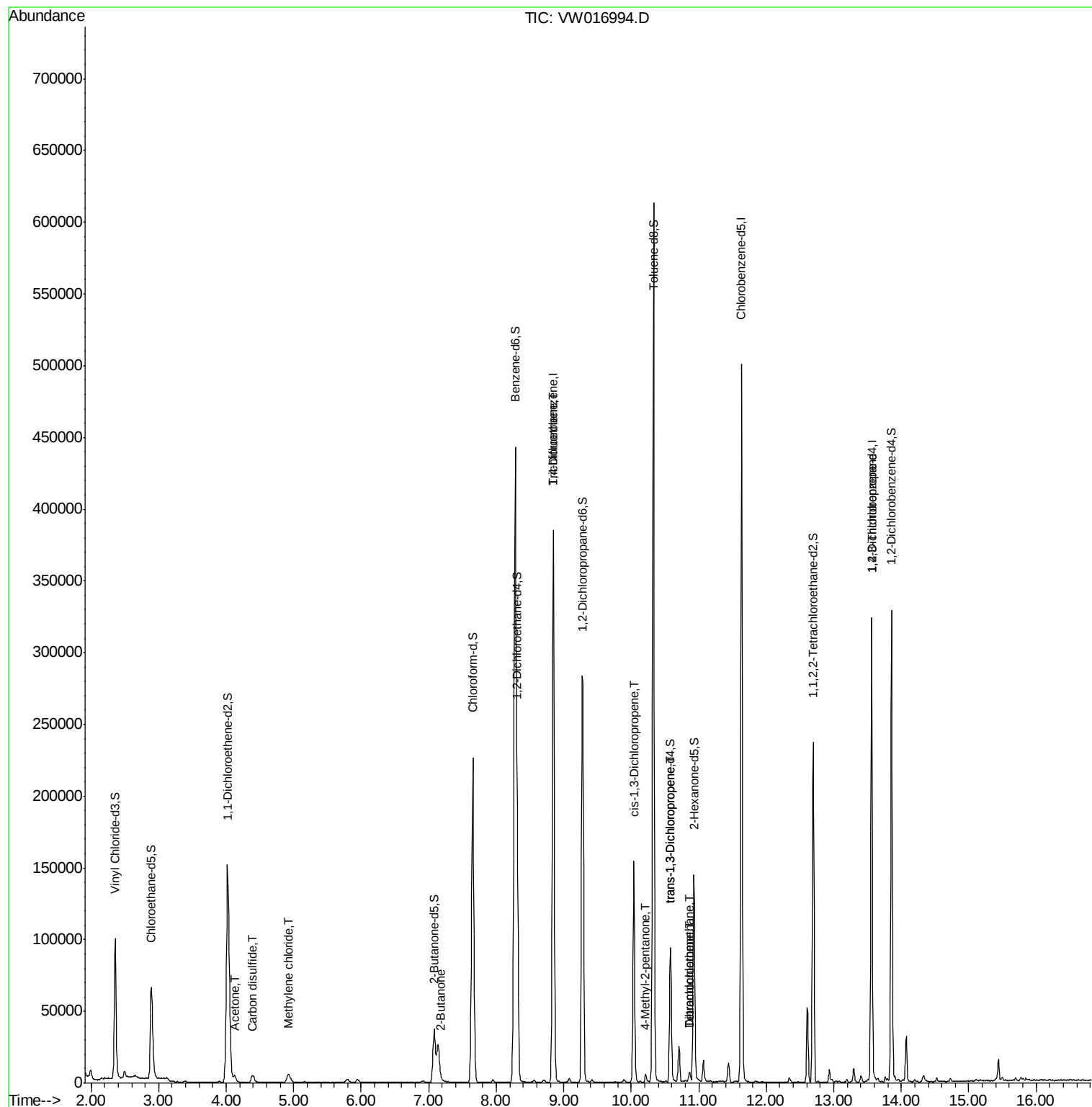
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	7026	13.508	ug/L	93
14) Carbon disulfide	4.39	76	10745	0.762	ug/L	100
16) Methylene chloride	4.92	84	5275	1.122	ug/L	90
21) 2-Butanone	7.18	43	1317	1.513	ug/L	100
35) Trichloroethene	8.84	95	9802	2.190	ug/L #	1
42) cis-1,3-Dichloropropene	10.04	75	3722	0.660	ug/L #	44
43) 4-Methyl-2-pentanone	10.21	43	3766	2.202	ug/L	97
45) trans-1,3-Dichloropropene	10.58	75	2538	0.543	ug/L	99
47) Tetrachloroethene	10.87	164	1671	0.406	ug/L	83
50) Dibromochloromethane	10.87	129	1666	0.473	ug/L #	10
59) 1,2,3-Trichloropropane	13.56	75	9736	4.389	ug/L	94

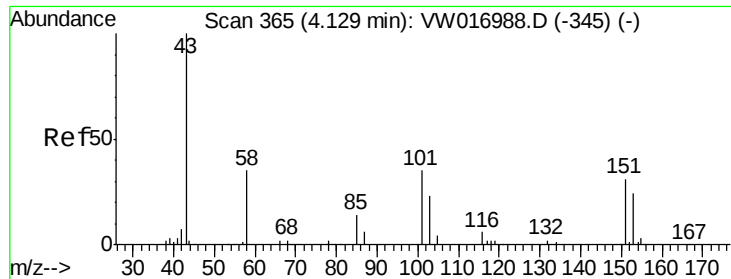
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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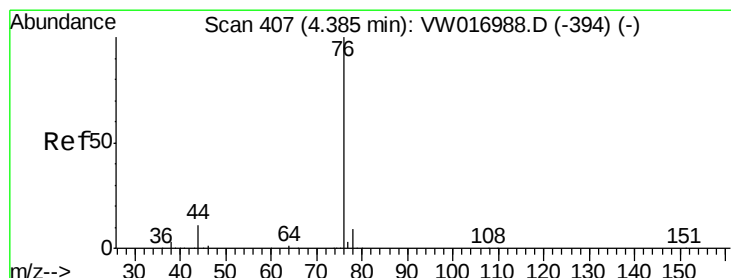
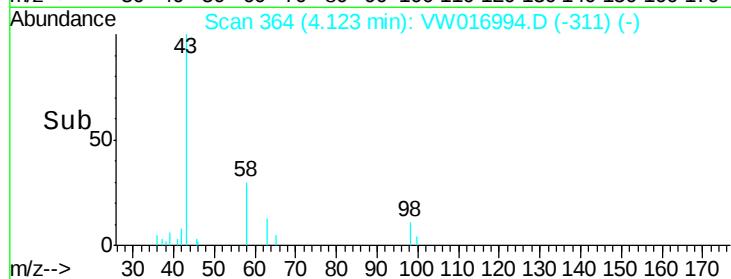
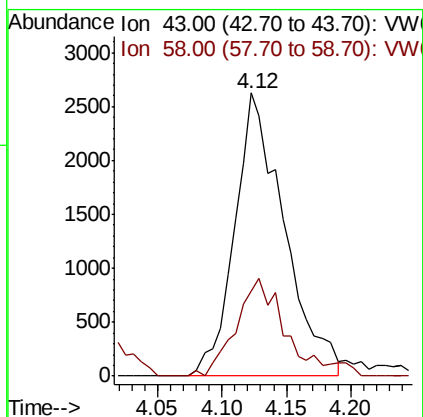
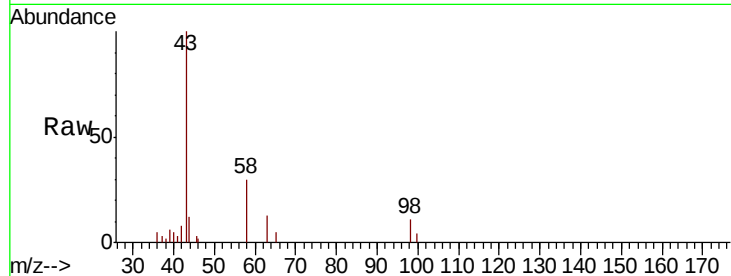




#13
Acetone
Concen: 13.508 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW016994.D
Acq: 26 Oct 2020 13:24

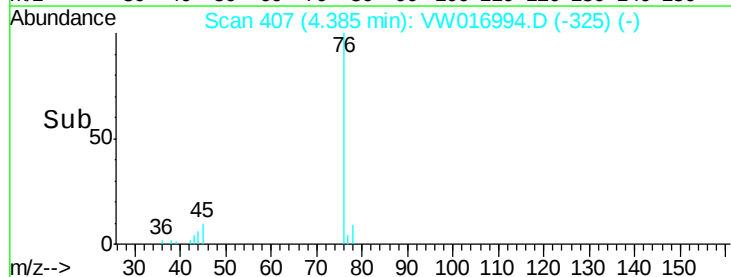
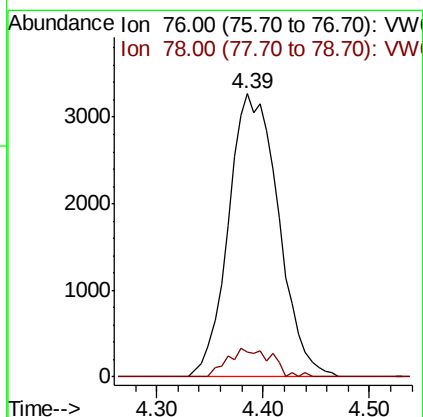
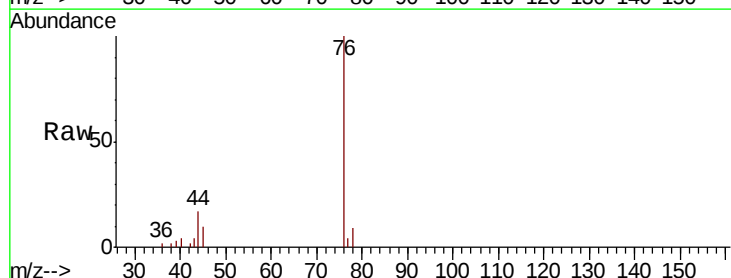
Instrument :
MSVOA_W
ClientSampled :
BG439

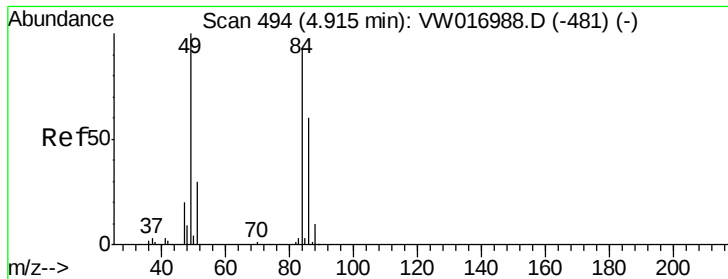
Tot Ion: 43 Resp: 7026
Ion Ratio Lower Upper
43 100
58 31.1 0.0 69.8



#14
Carbon disulfide
Concen: 0.762 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW016994.D
Acq: 26 Oct 2020 13:24

Tgt Ion: 76 Resp: 10745
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

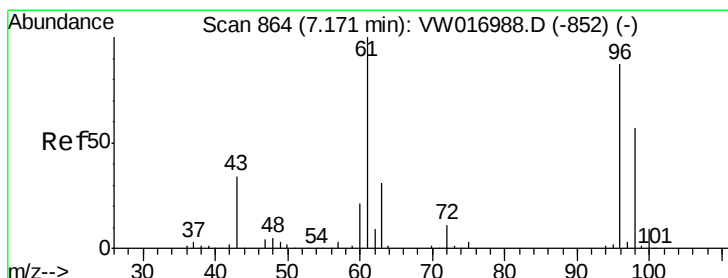
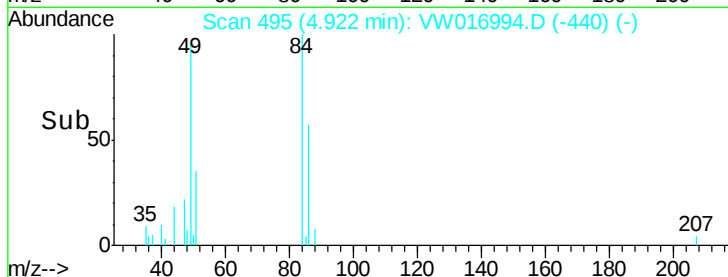
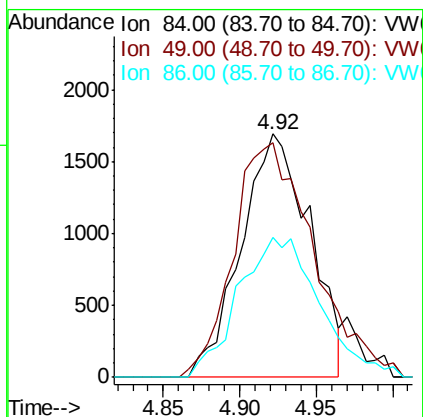
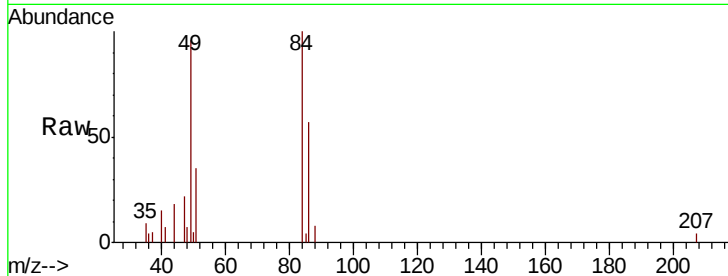




#16
Methylene chloride
Concen: 1.122 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016994.D
Acq: 26 Oct 2020 13:24

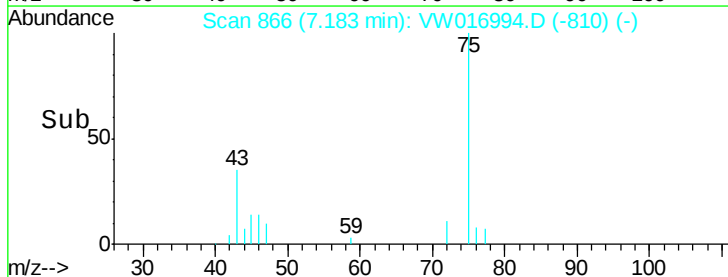
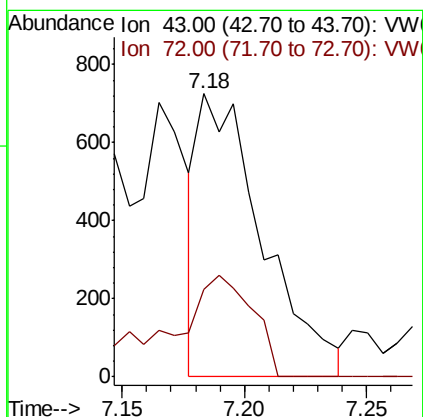
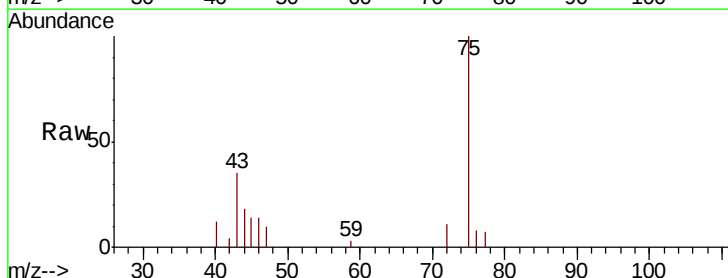
Instrument :
MSVOA_W
ClientSampled :
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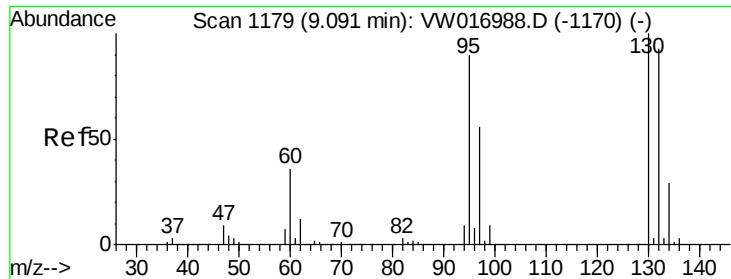
Tot Ion: 84 Resp: 5275
Ion Ratio Lower Upper
84 100
49 96.5 73.8 137.0
86 57.2 47.4 88.0



#21
2-Butanone
Concen: 1.513 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW016994.D
Acq: 26 Oct 2020 13:24

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
72 32.0 16.1 48.2





#35

Trichloroethene

Concen: 2.190 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW016994.D

Acq: 26 Oct 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

BG439

Tot Ion: 95 Resp: 9802

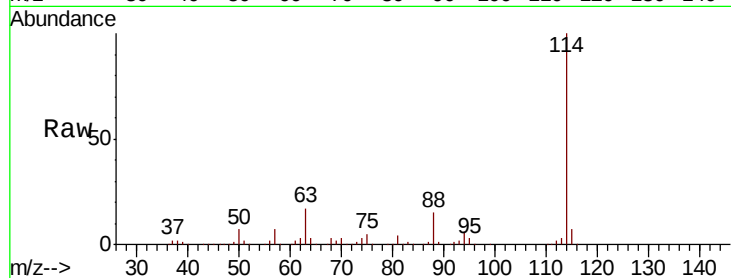
Ion Ratio Lower Upper

95 100

97 0.0 46.0 85.4#

132 0.0 73.9 137.3#

130 0.0 77.6 144.2#

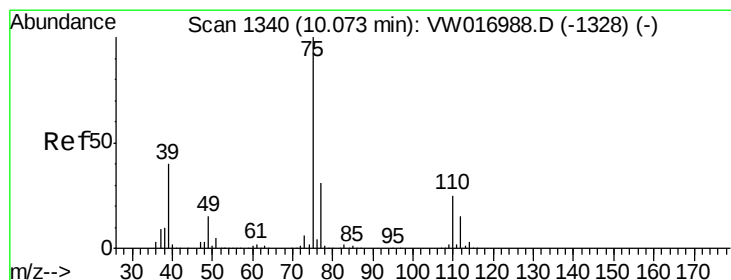
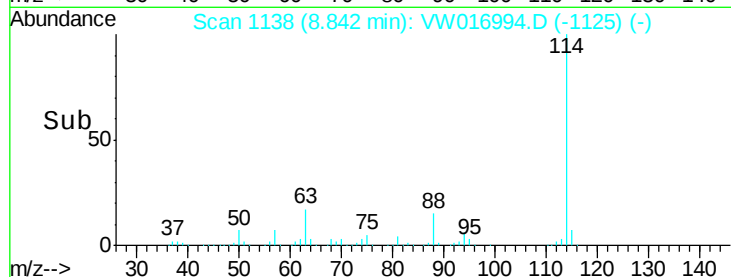
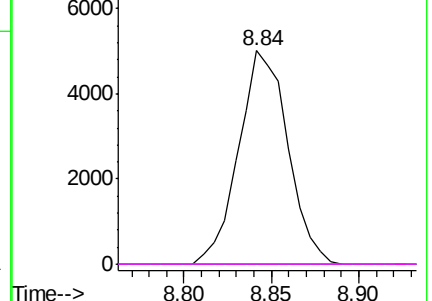


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.660 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016994.D

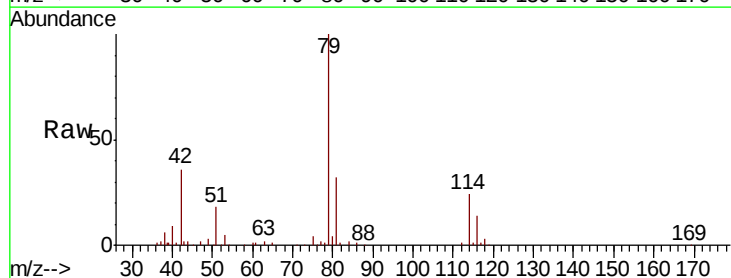
Acq: 26 Oct 2020 13:24

Tgt Ion: 75 Resp: 3722

Ion Ratio Lower Upper

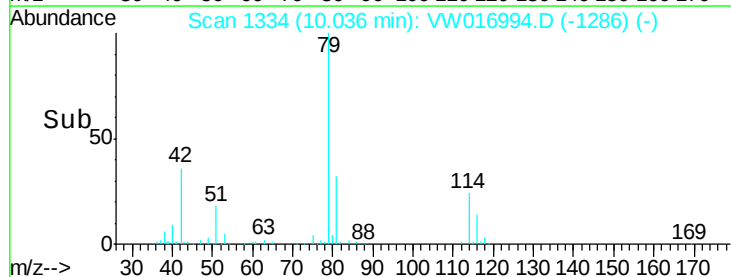
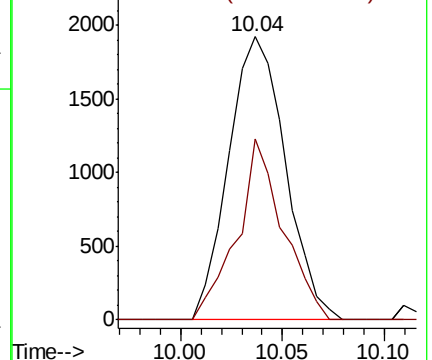
75 100

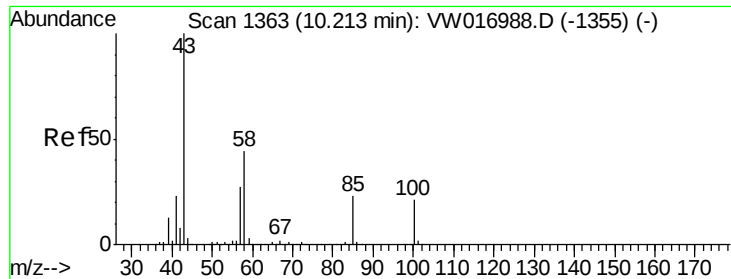
77 64.1 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#43

4-Methyl-2-pentanone

Concen: 2.202 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016994.D

Acq: 26 Oct 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

BG439

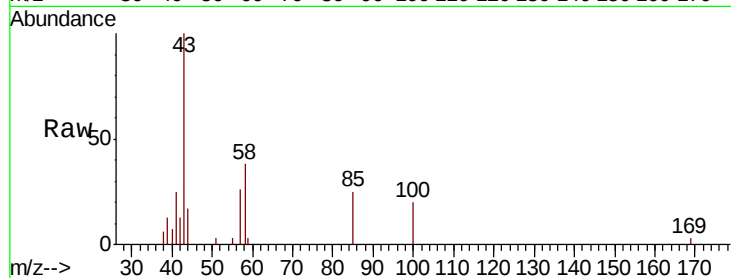
Tot Ion: 43 Resp: 3766

Ion Ratio Lower Upper

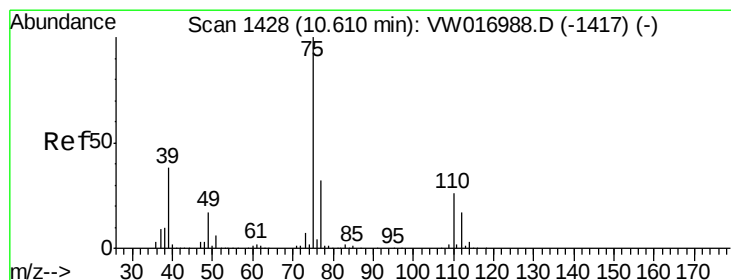
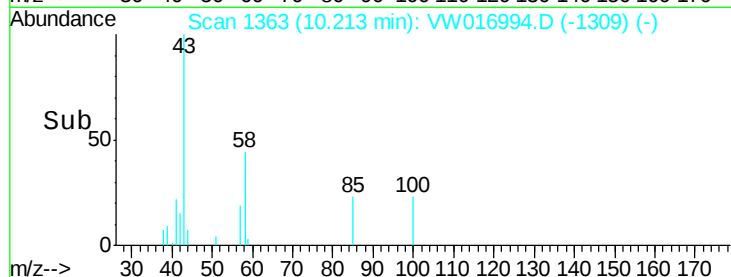
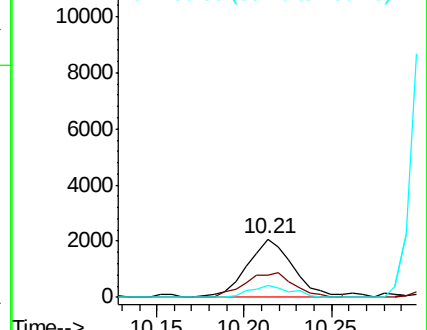
43 100

58 44.6 34.4 51.6

100 17.9 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 100.00 (99.70 to 100.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.543 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016994.D

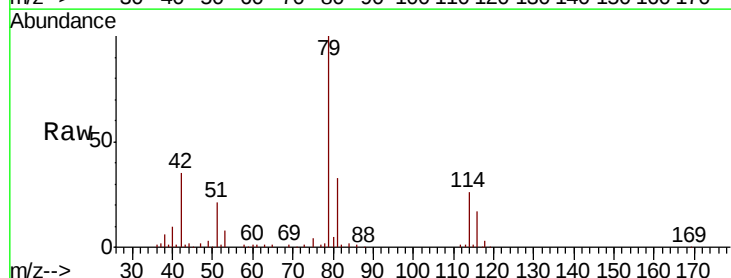
Acq: 26 Oct 2020 13:24

Tgt Ion: 75 Resp: 2538

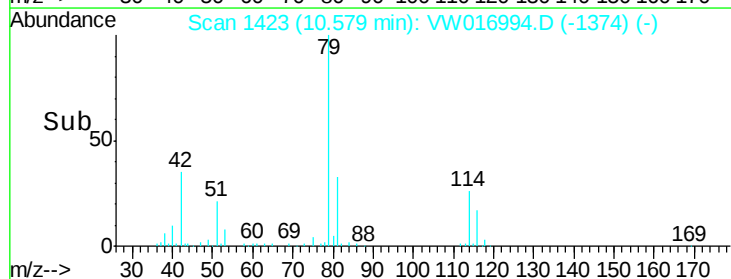
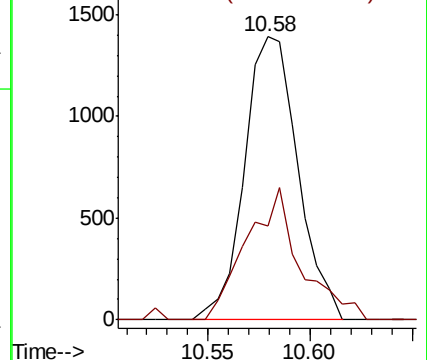
Ion Ratio Lower Upper

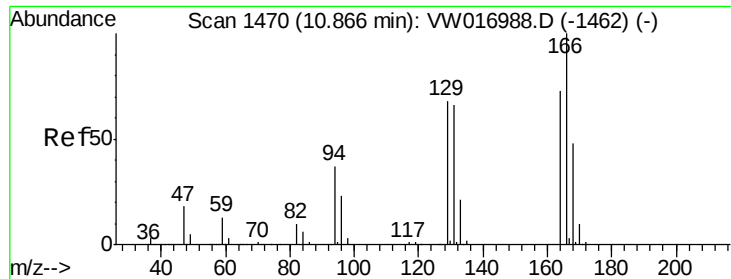
75 100

77 33.3 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

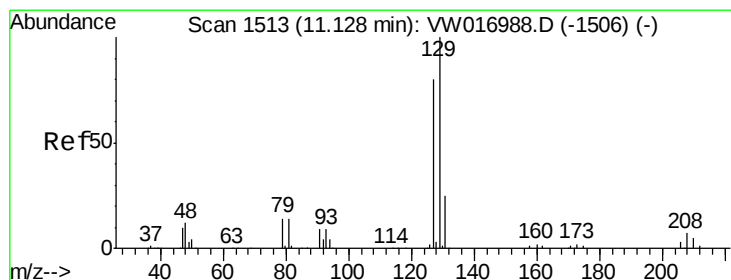
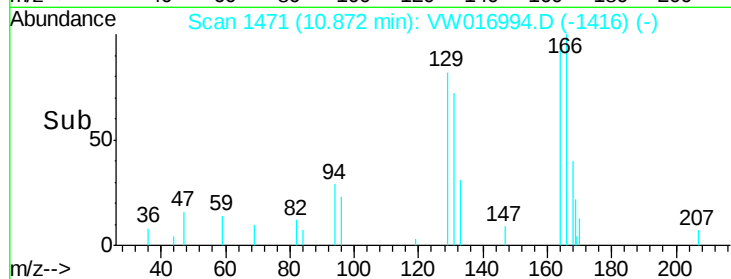
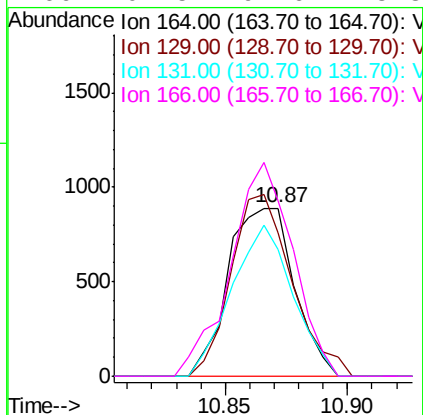
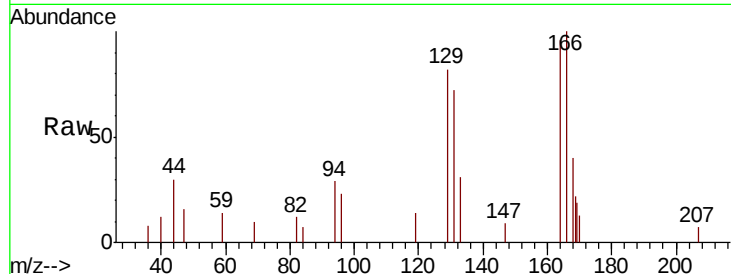




#47
Tetrachloroethene
Concen: 0.406 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW016994.D
Acq: 26 Oct 2020 13:24

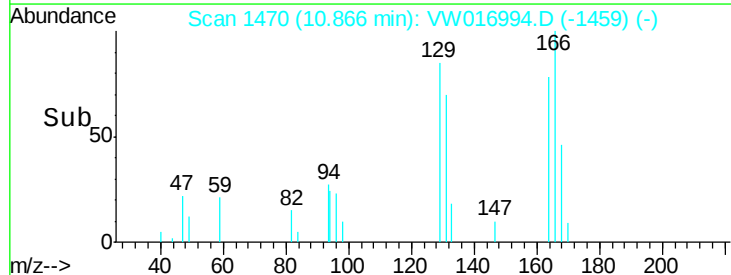
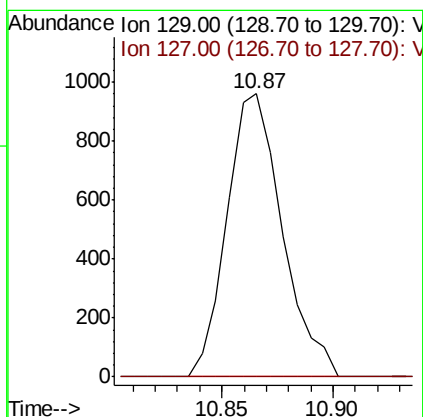
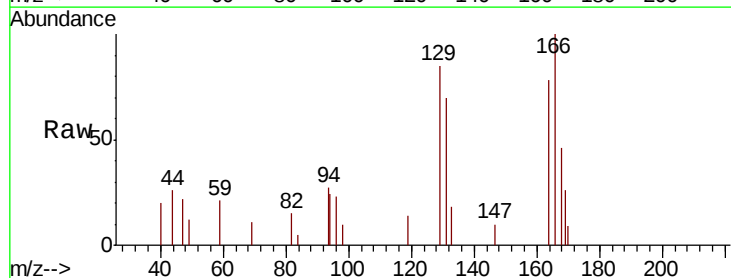
Instrument :
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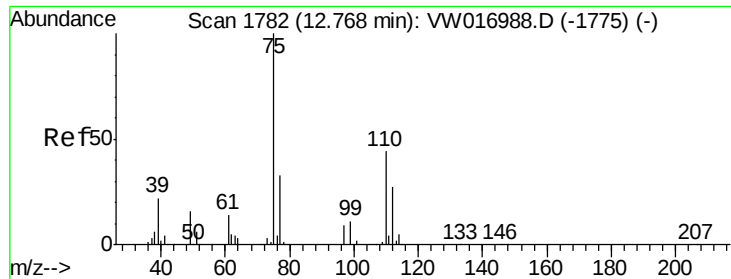
Tot Ion:164 Resp: 1671
Ion Ratio Lower Upper
164 100
129 85.5 64.0 119.0
131 75.6 61.7 114.5
166 104.5 94.6 175.8



#50
Dibromochloromethane
Concen: 0.473 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW016994.D
Acq: 26 Oct 2020 13:24

Tgt Ion:129 Resp: 1666
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#59

1,2,3-Trichloropropane

Concen: 4.389 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016994.D

Acq: 26 Oct 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

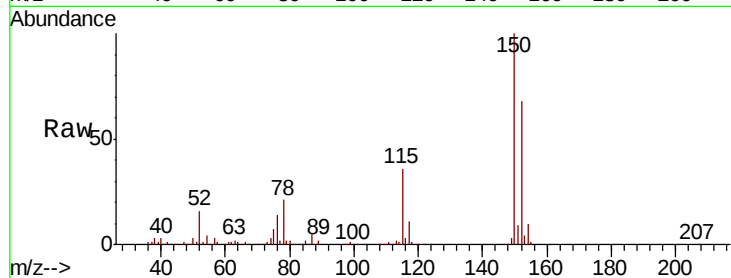
BG439

Tot Ion: 75 Resp: 9736

Ion Ratio Lower Upper

75 100

77 35.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

