

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102820\
 Data File : VW017014.D
 Acq On : 28 Oct 2020 16:23
 Operator : SY/VA
 Sample : L4502-21
 Misc : 5.33G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 08:09:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 08:01:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	459520	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	415590	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192642	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125638	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.89	69	98350	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.72%
10) 1,1-Dichloroethene-d2	4.03	63	179863	17.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.76%
20) 2-Butanone-d5	7.08	46	51175	51.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.44%
24) Chloroform-d	7.65	84	254773	24.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	8.31	65	125062	25.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.28%
29) Benzene-d6	8.27	84	534305	25.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.12%
33) 1,2-Dichloropropane-d6	9.27	67	145860	25.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.24%
37) Toluene-d8	10.33	98	499308	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.36%
38) trans-1,3-Dichloropropene-	10.58	79	59143	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.72%
39) 2-Hexanone-d5	10.93	63	43066	53.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110530	25.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	175187	25.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.48%

Target Compounds

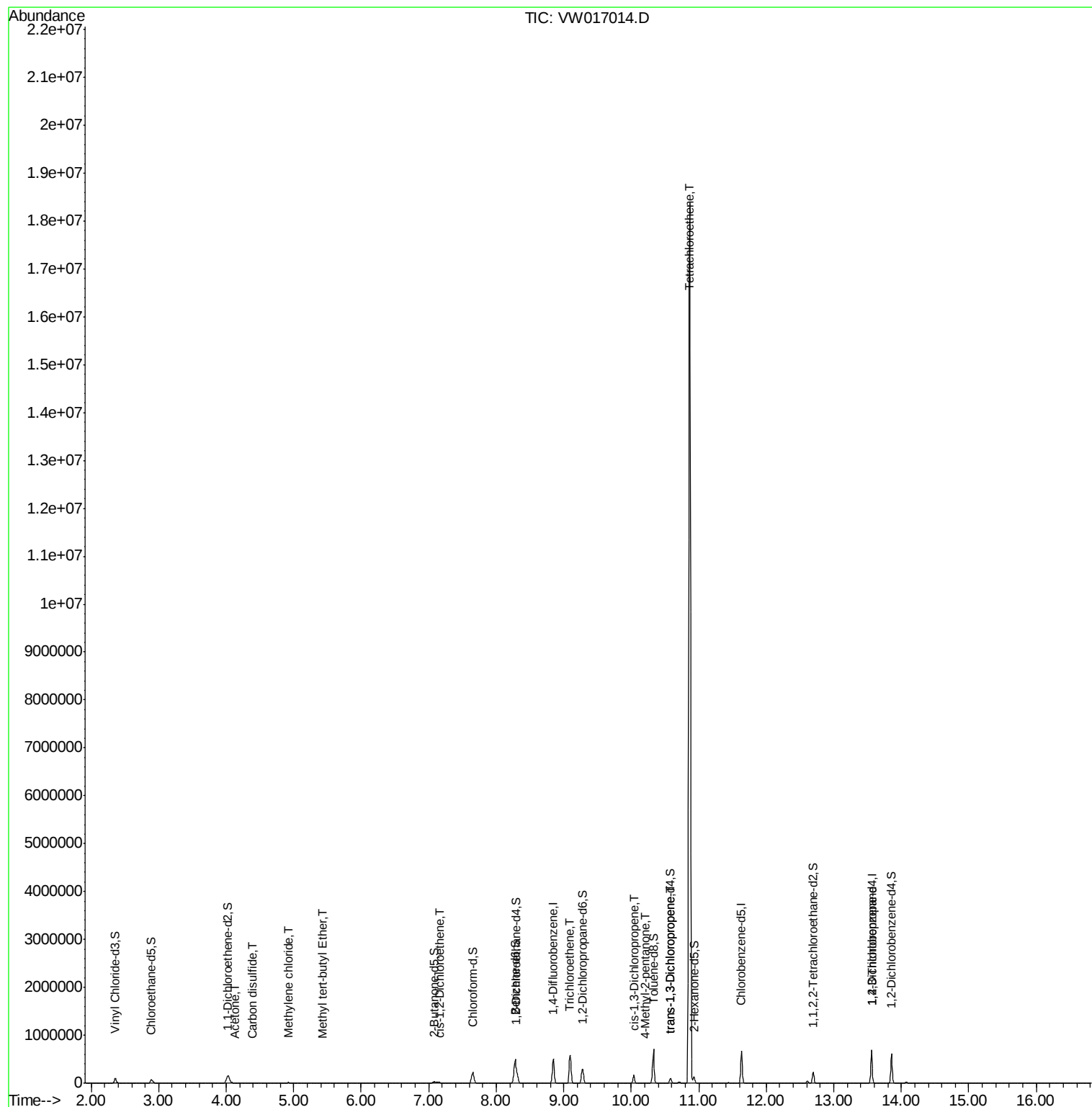
					Ovalue
13) Acetone	4.13	43	4331	6.443	ug/L 98
14) Carbon disulfide	4.39	76	6071	0.333	ug/L 99
16) Methylene chloride	4.92	84	7101	1.169	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	3561	0.543	ug/L # 86
22) cis-1,2-Dichloroethene	7.17	96	2252	0.354	ug/L 84
35) Trichloroethene	9.09	95	201379	31.671	ug/L 99
42) cis-1,3-Dichloropropene	10.04	75	4093	0.511	ug/L # 71
43) 4-Methyl-2-pentanone	10.21	43	2216	0.912	ug/L 94
45) trans-1,3-Dichloropropene	10.59	75	2474	0.372	ug/L 94
47) Tetrachloroethene	10.87	164	4453007	761.333	ug/L 96
59) 1,2,3-Trichloropropane	13.56	75	19727	6.258	ug/L 91

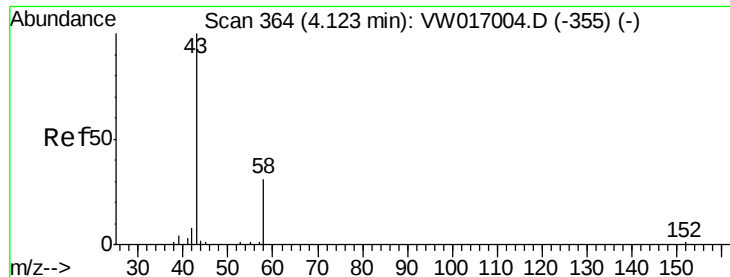
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 29 08:01:00 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.443 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017014.D

Acq: 28 Oct 2020 16:23

Instrument :

MSVOA_W

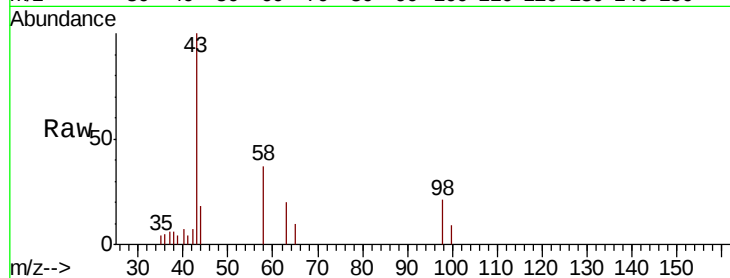
ClientSampled :

Tot Ion: 43 Resp: 4331

Ion Ratio Lower Upper

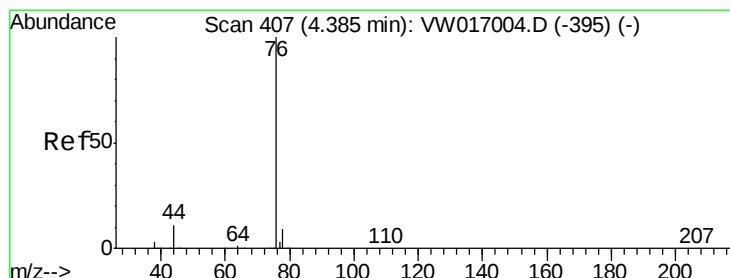
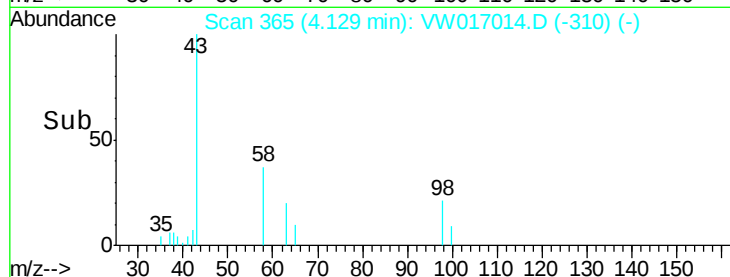
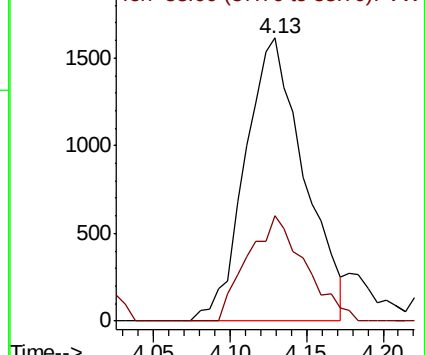
43 100

58 36.3 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.333 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017014.D

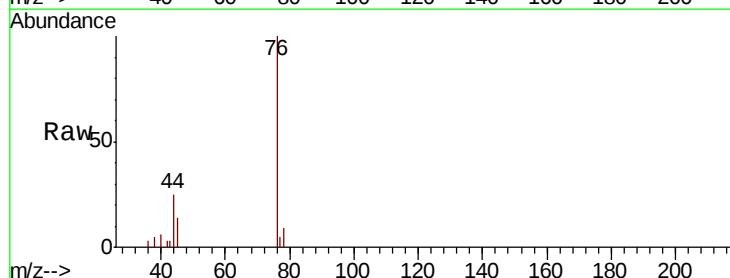
Acq: 28 Oct 2020 16:23

Tgt Ion: 76 Resp: 6071

Ion Ratio Lower Upper

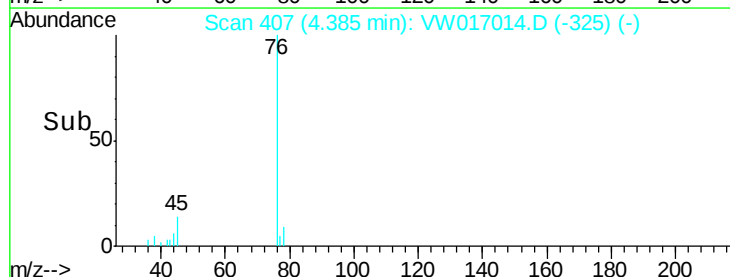
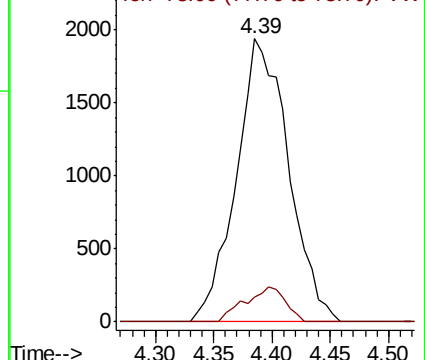
76 100

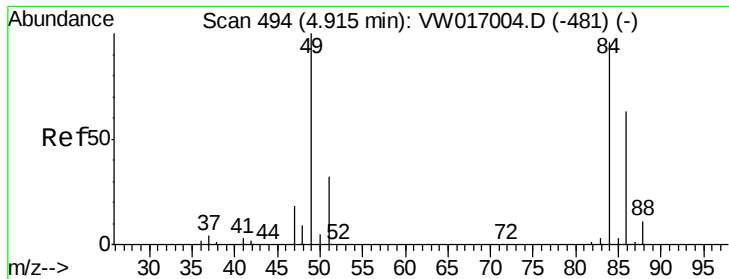
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

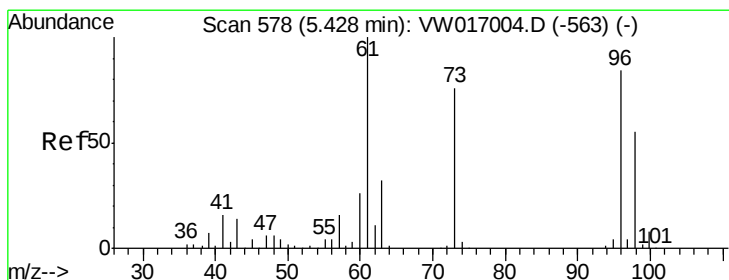
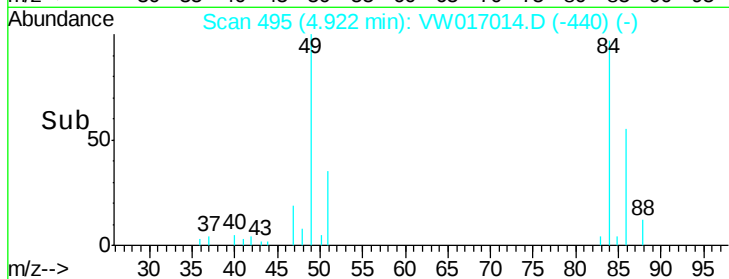
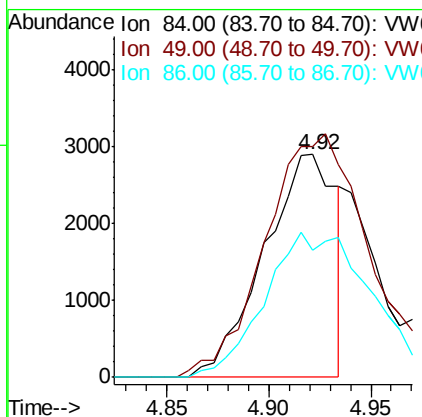
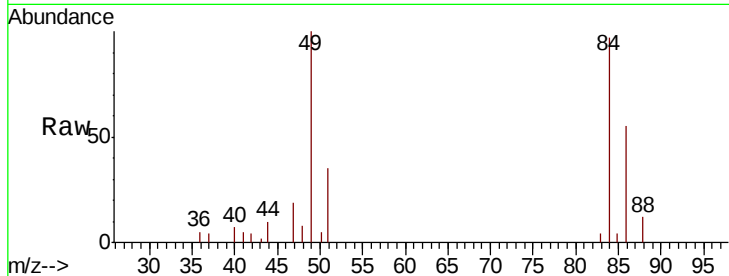




#16
Methylene chloride
Concen: 1.169 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017014.D
Acq: 28 Oct 2020 16:23

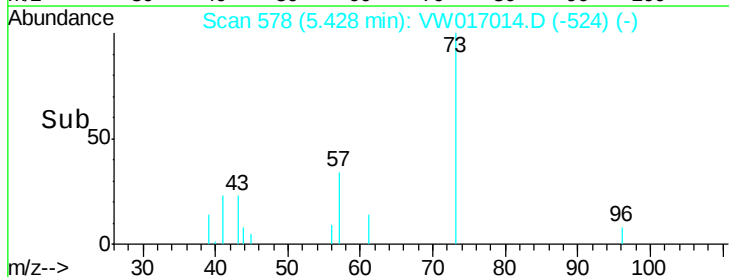
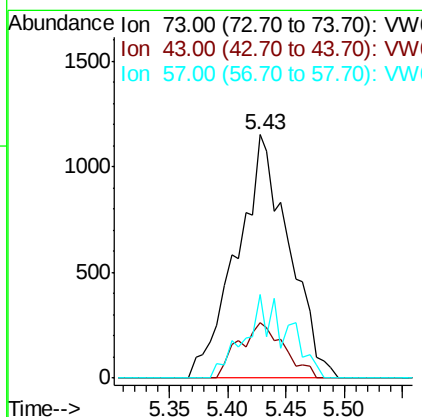
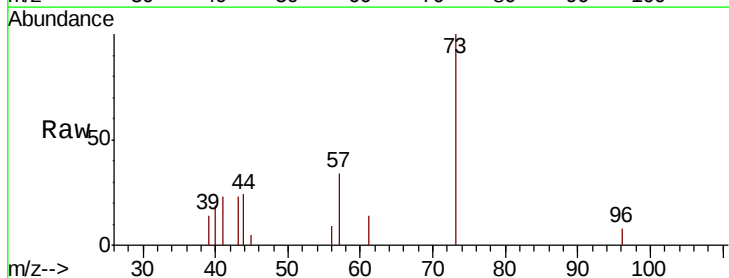
Instrument :
MSVOA_W
ClientSampled :

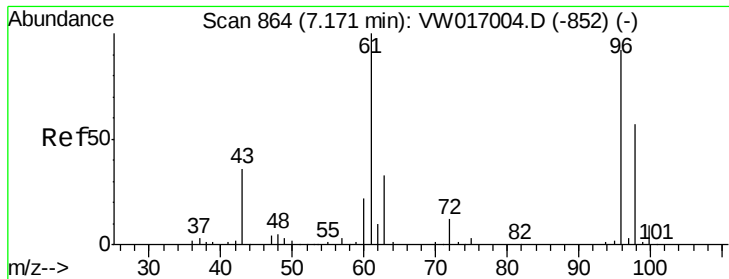
Tot Ion: 84 Resp: 7101
Ion Ratio Lower Upper
84 100
49 103.4 73.8 137.0
86 57.2 47.4 88.0



#17
Methyl tert-butyl Ether
Concen: 0.543 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017014.D
Acq: 28 Oct 2020 16:23

Tgt Ion: 73 Resp: 3561
Ion Ratio Lower Upper
73 100
43 12.9 14.4 21.6#
57 13.4 16.6 25.0#



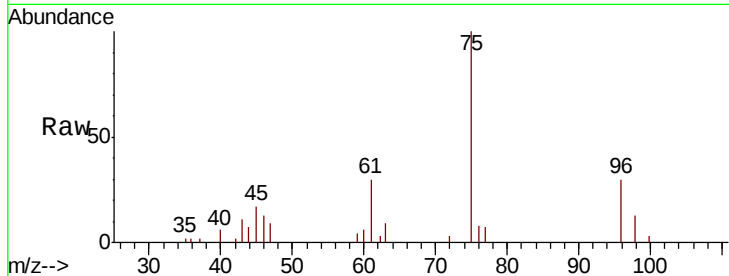


#22

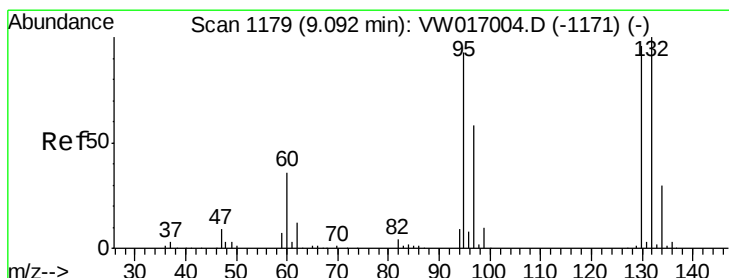
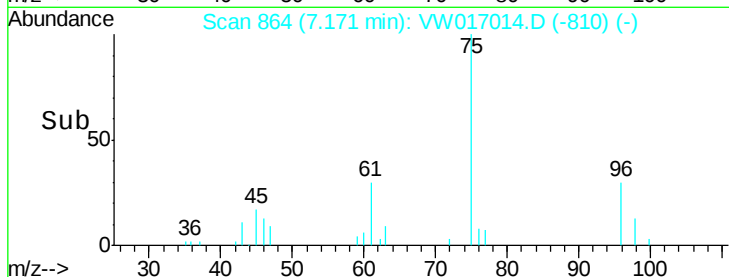
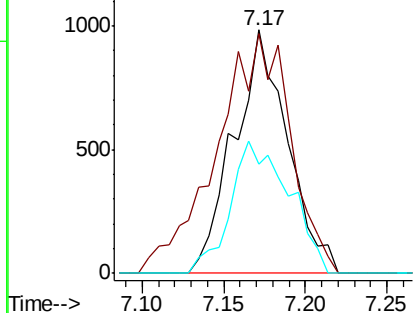
cis-1,2-Dichloroethene
Concen: 0.354 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017014.D
Acq: 28 Oct 2020 16:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 2252
Ion Ratio Lower Upper
96 100
61 98.7 77.4 143.8
98 44.9 44.4 82.5



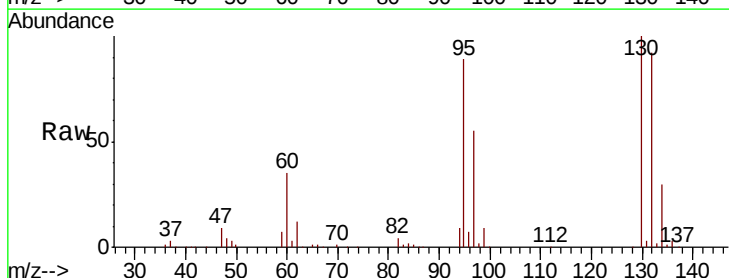
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



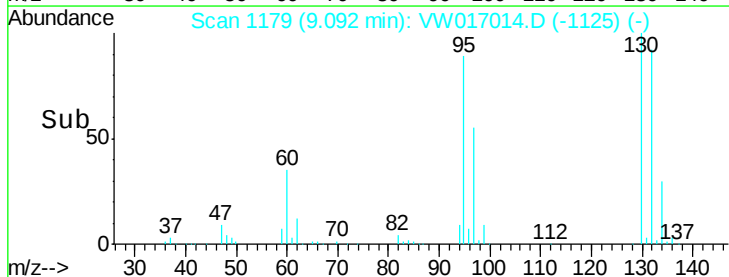
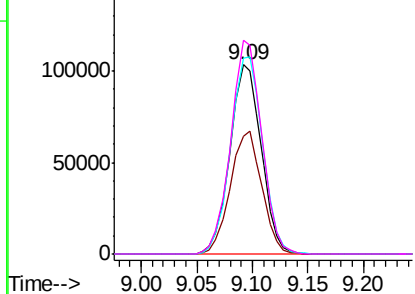
#35

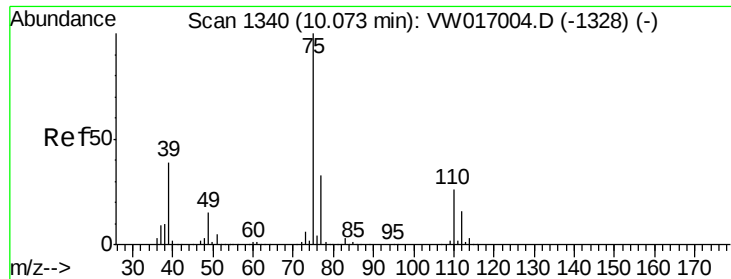
Trichloroethene
Concen: 31.671 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW017014.D
Acq: 28 Oct 2020 16:23

Tgt Ion: 95 Resp: 201379
Ion Ratio Lower Upper
95 100
97 65.3 46.0 85.4
132 106.6 73.9 137.3
130 111.7 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





#42

cis-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017014.D

Acq: 28 Oct 2020 16:23

Instrument :

MSVOA_W

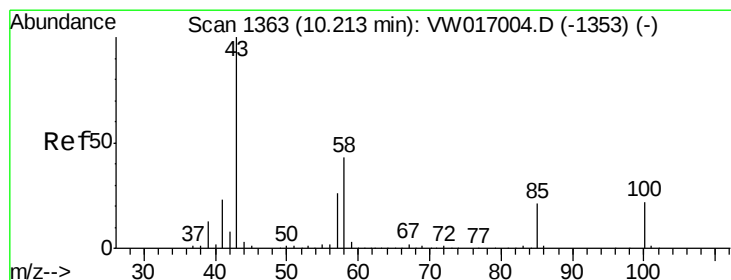
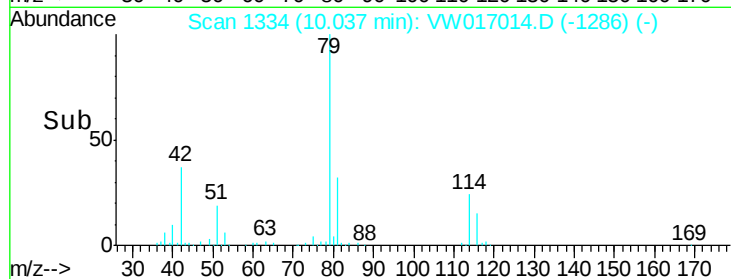
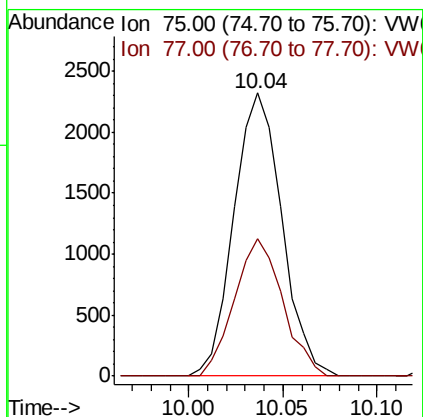
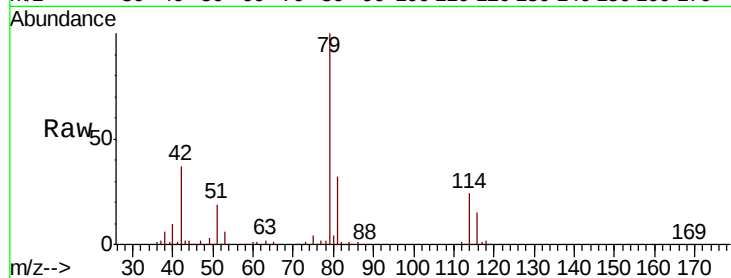
ClientSampled :

Tot Ion: 75 Resp: 4093

Ion Ratio Lower Upper

75 100

77 48.4 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 0.912 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017014.D

Acq: 28 Oct 2020 16:23

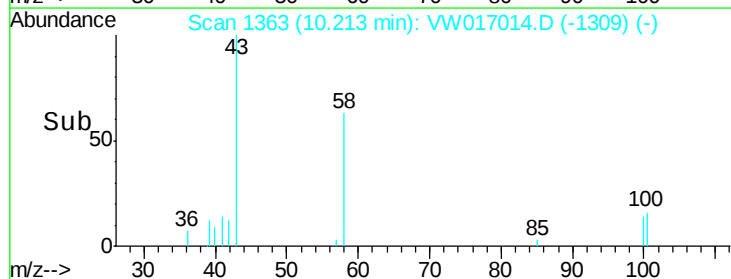
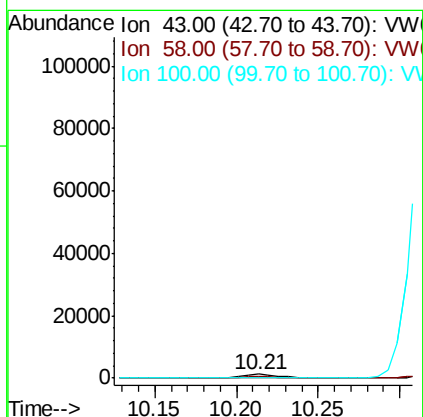
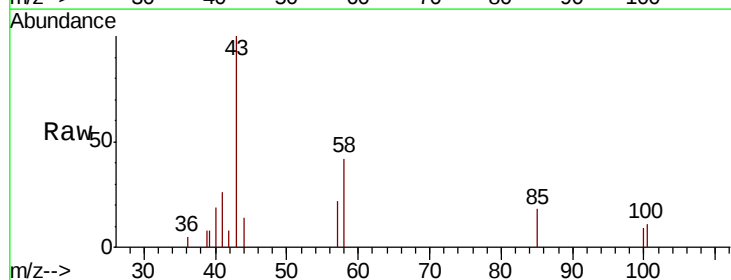
Tgt Ion: 43 Resp: 2216

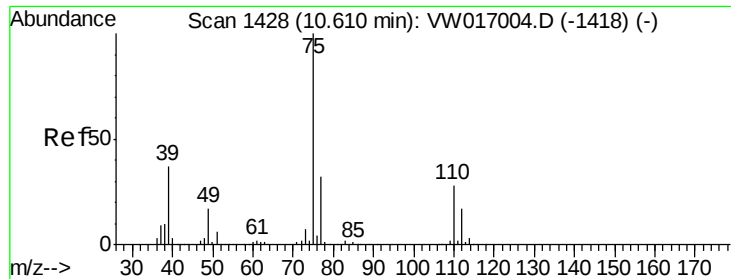
Ion Ratio Lower Upper

43 100

58 38.3 34.4 51.6

100 18.6 16.2 24.2





#45

trans-1,3-Dichloropropene

Concen: 0.372 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017014.D

Acq: 28 Oct 2020 16:23

Instrument :

MSVOA_W

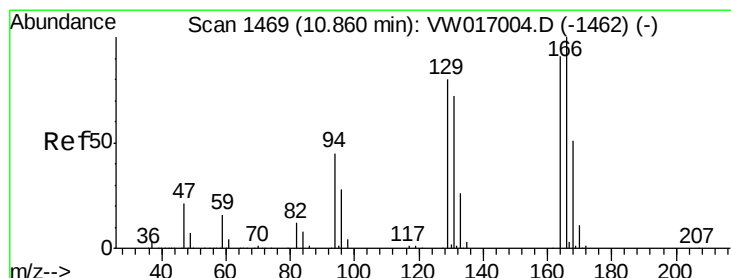
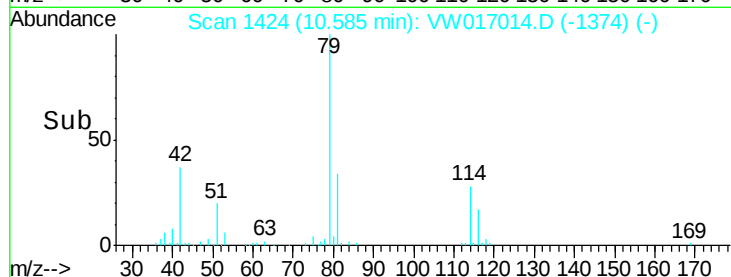
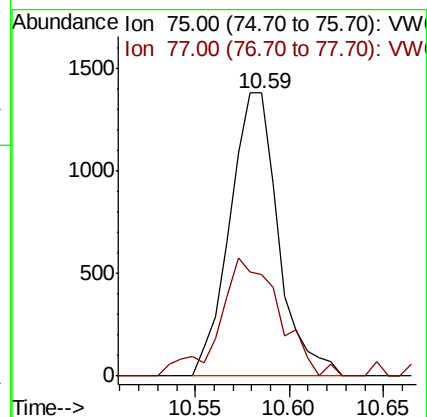
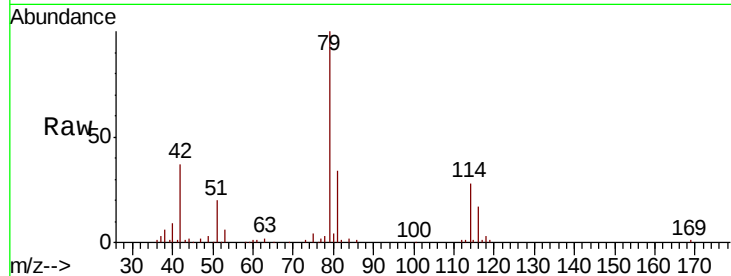
ClientSampleId :

Tot Ion: 75 Resp: 2474

Ion Ratio Lower Upper

75 100

77 36.0 22.7 42.3



#47

Tetrachloroethene

Concen: 761.333 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017014.D

Acq: 28 Oct 2020 16:23

Tgt Ion: 164 Resp: 4453007

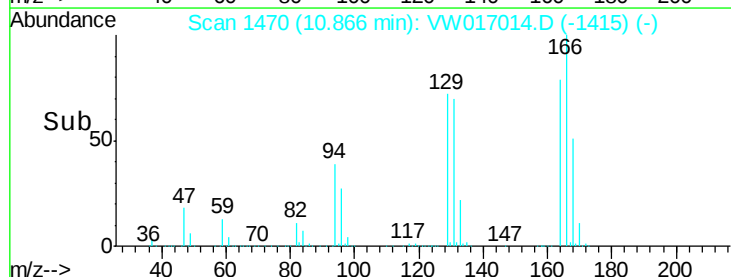
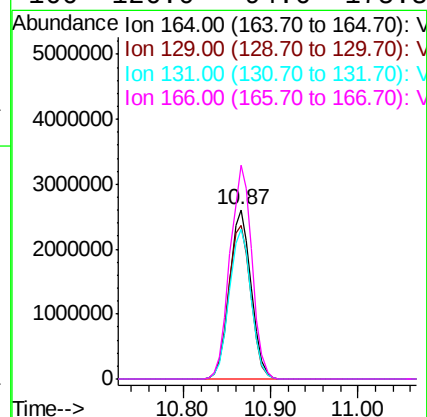
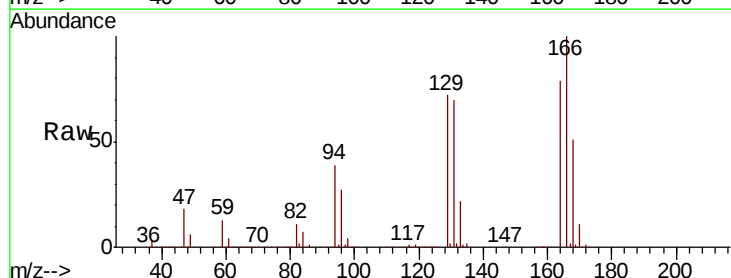
Ion Ratio Lower Upper

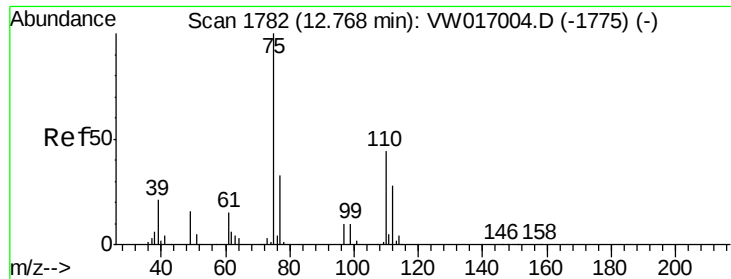
164 100

129 90.9 64.0 119.0

131 88.3 61.7 114.5

166 126.0 94.6 175.8





#59

1,2,3-Trichloropropane

Concen: 6.258 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017014.D

Acq: 28 Oct 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 19727

Ion Ratio Lower Upper

75 100

77 37.3 25.8 38.8

