

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102820\
 Data File : VW017016.D
 Acq On : 28 Oct 2020 17:34
 Operator : SY/VA
 Sample : L4502-22
 Misc : 5.17G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 08:10:03 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	304807	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285244	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	124132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	90541	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.96%
7) Chloroethane-d5	2.89	69	74210	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.92%
10) 1,1-Dichloroethene-d2	4.02	63	131194	19.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.68%
20) 2-Butanone-d5	7.08	46	37237	56.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.38%
24) Chloroform-d	7.65	84	192319	27.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	8.31	65	92683	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.04%
29) Benzene-d6	8.27	84	387557	26.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.80%
33) 1,2-Dichloropropane-d6	9.28	67	110447	27.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.72%
37) Toluene-d8	10.33	98	356010	25.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.24%
38) trans-1,3-Dichloropropene-	10.58	79	41822	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.68%
39) 2-Hexanone-d5	10.93	63	31049	55.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77647	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	118965	27.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.08%

Target Compounds

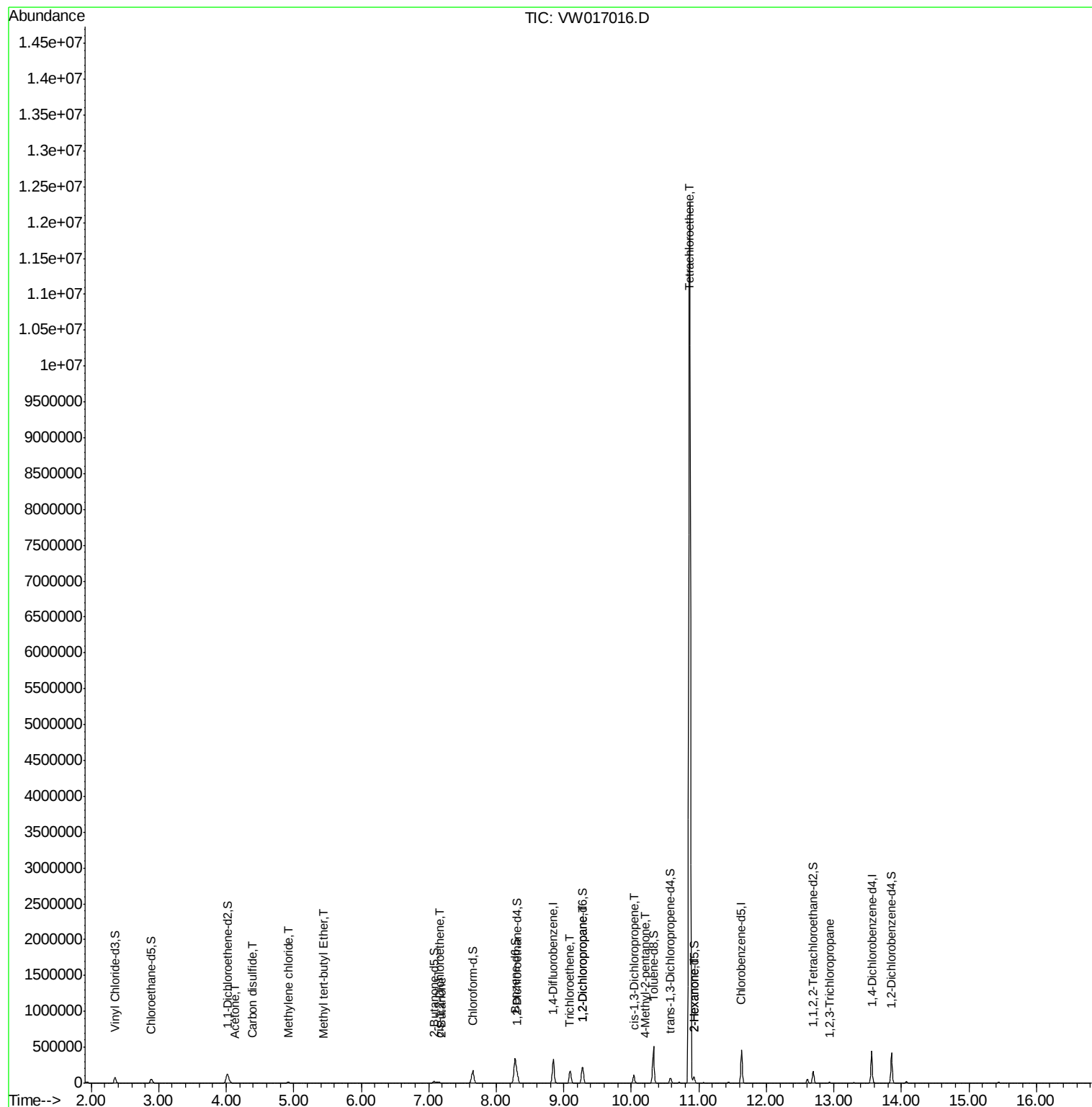
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	3668	8.226	ug/L	87
14) Carbon disulfide	4.38	76	6559	0.542	ug/L #	94
16) Methylene chloride	4.92	84	8819	2.188	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	973	0.224	ug/L #	88
21) 2-Butanone	7.19	43	815	1.092	ug/L	83
22) cis-1,2-Dichloroethene	7.17	96	1224	0.290	ug/L	90
35) Trichloroethene	9.09	95	58429	13.388	ug/L	99
40) 1,2-Dichloropropane	9.28	63	12296	3.494	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	3015	0.548	ug/L #	67
43) 4-Methyl-2-pentanone	10.21	43	2263	1.357	ug/L	98
47) Tetrachloroethene	10.87	164	3020414	752.378	ug/L	97
49) 2-Hexanone	10.93	43	3744	3.522	ug/L #	62
59) 1,2,3-Trichloropropane	12.93	75	711	0.329	ug/L #	78

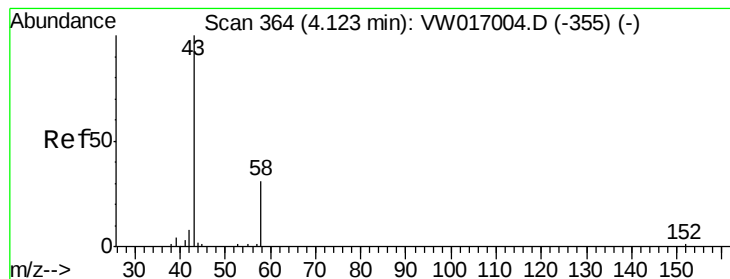
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 8.226 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

Instrument :

MSVOA_W

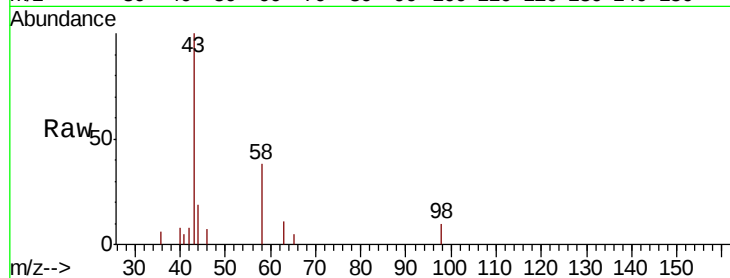
ClientSampleId :

Tot Ion: 43 Resp: 3668

Ion Ratio Lower Upper

43 100

58 27.2 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

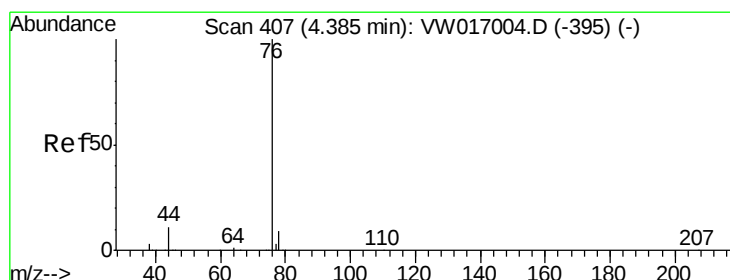
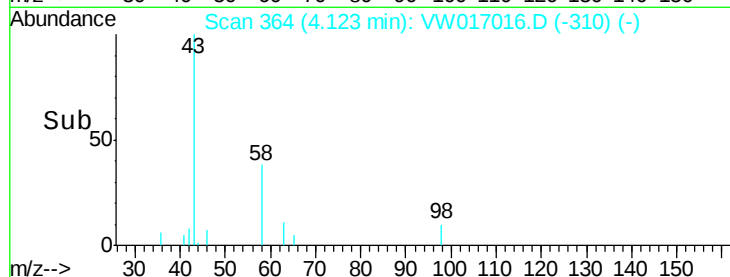
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 0.542 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017016.D

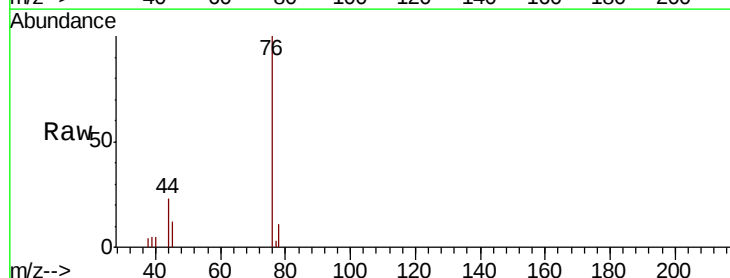
Acq: 28 Oct 2020 17:34

Tgt Ion: 76 Resp: 6559

Ion Ratio Lower Upper

76 100

78 11.4 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

2500

2000

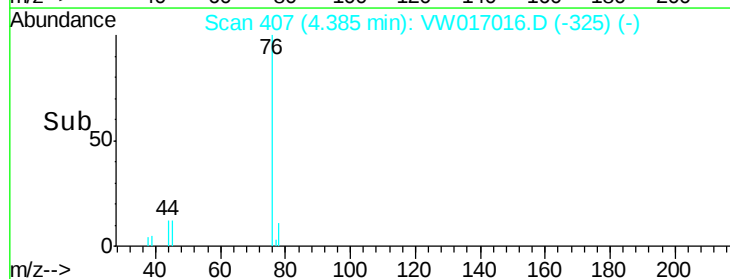
1500

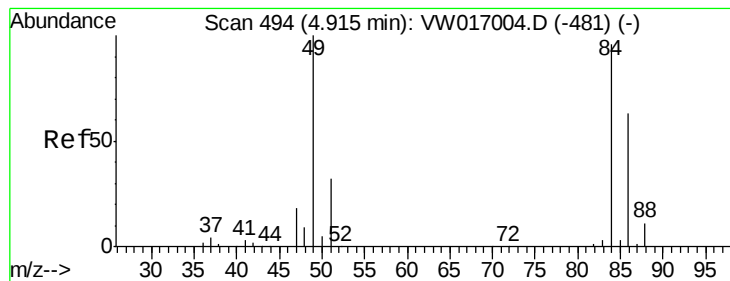
1000

500

0

Time-->





#16

Methylene chloride

Concen: 2.188 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

Instrument :

MSVOA_W

ClientSampled :

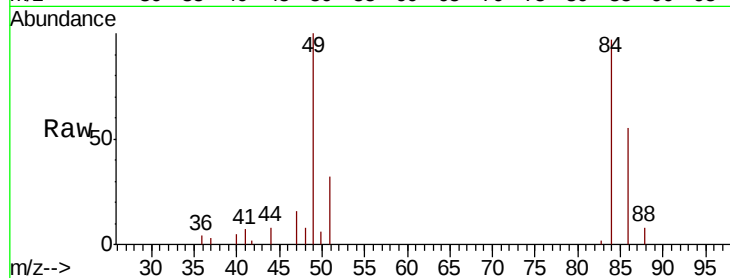
Tot Ion: 84 Resp: 8819

Ion Ratio Lower Upper

84 100

49 103.4 73.8 137.0

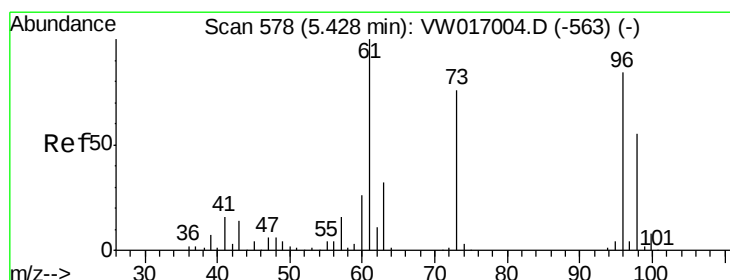
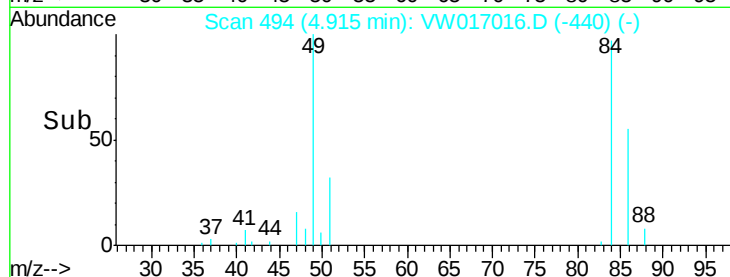
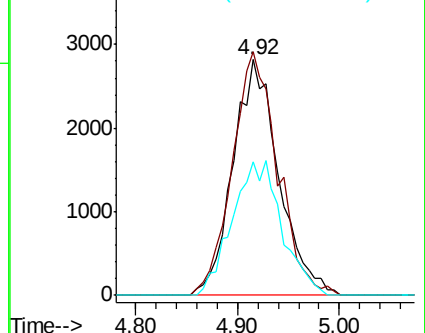
86 56.8 47.4 88.0



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#17

Methyl tert-butyl Ether

Concen: 0.224 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

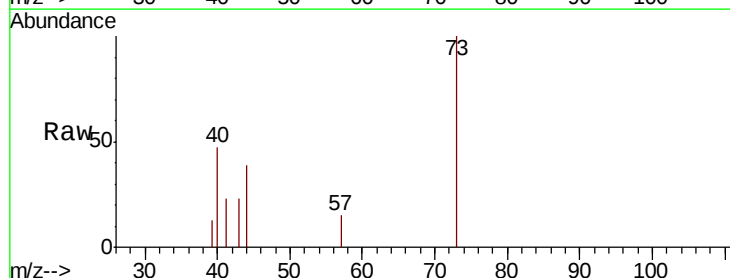
Tgt Ion: 73 Resp: 973

Ion Ratio Lower Upper

73 100

43 14.5 14.4 21.6

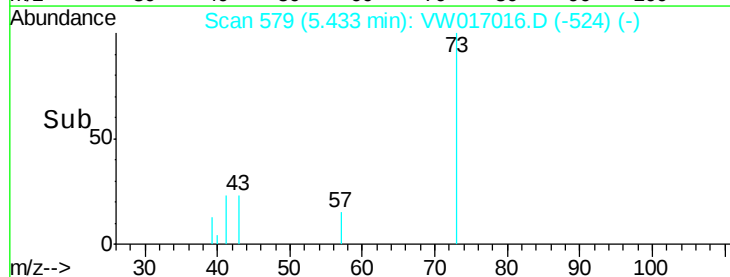
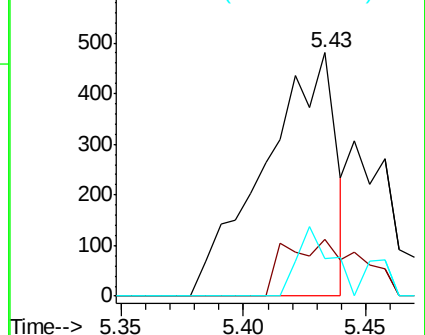
57 13.4 16.6 25.0#

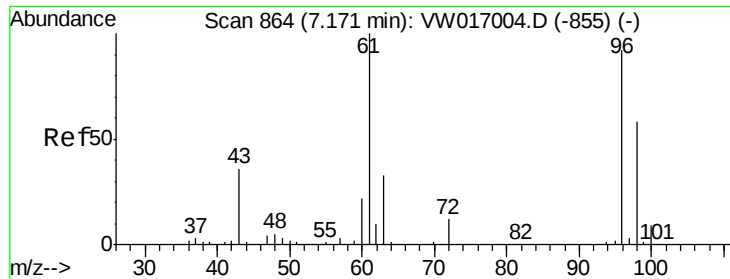


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW

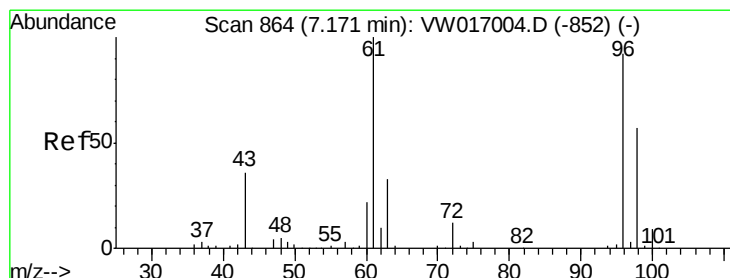
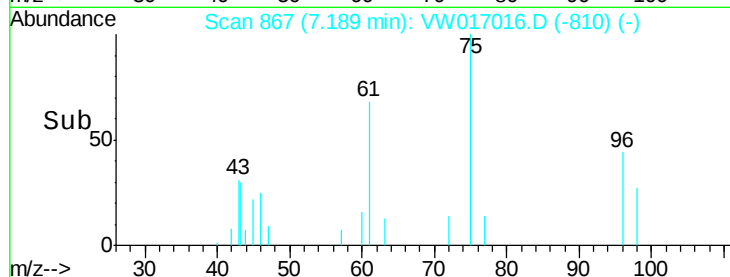
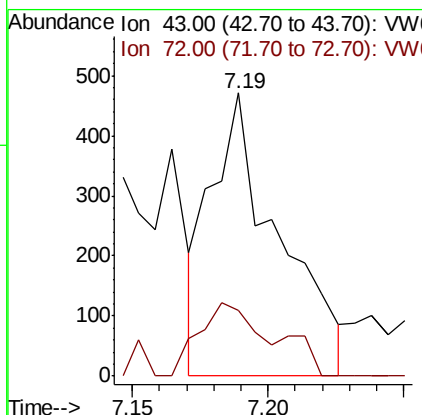
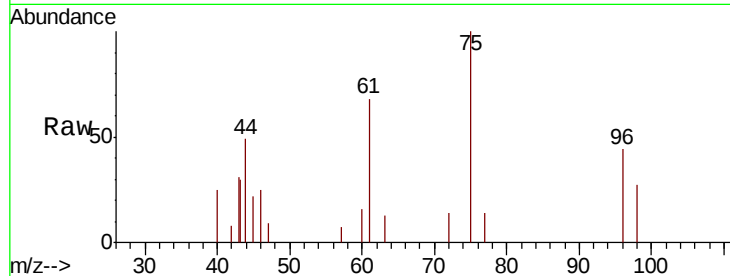




#21
2-Butanone
Concen: 1.092 ug/L
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW017016.D
Acq: 28 Oct 2020 17:34

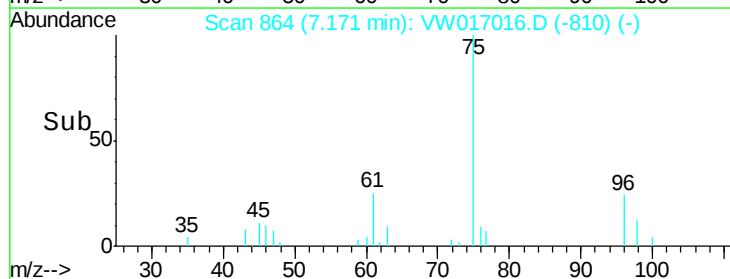
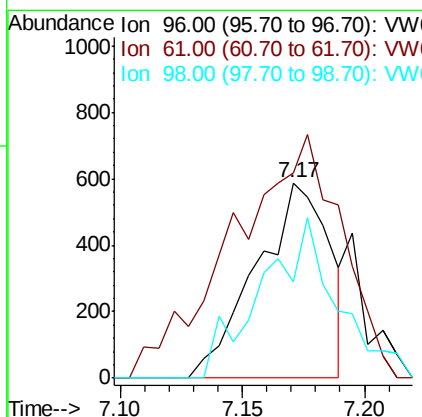
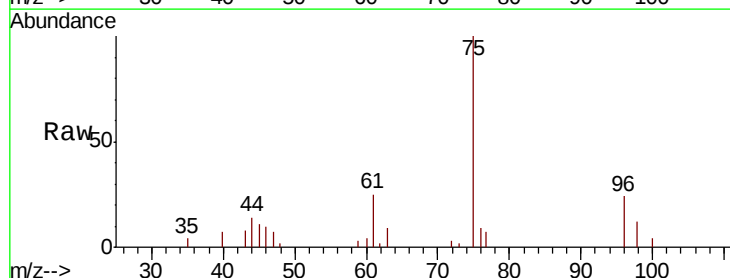
Instrument :
MSVOA_W
ClientSampled :

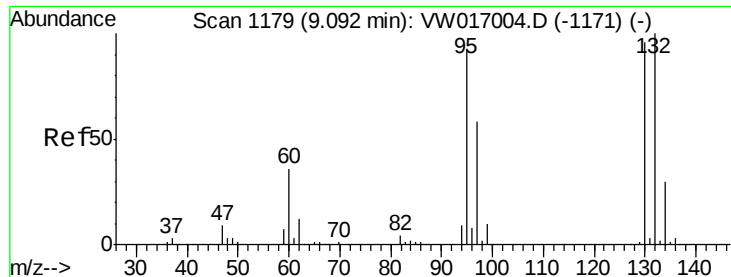
Tot Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
72 22.3 16.1 48.2



#22
cis-1,2-Dichloroethene
Concen: 0.290 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017016.D
Acq: 28 Oct 2020 17:34

Tgt Ion: 96 Resp: 1224
Ion Ratio Lower Upper
96 100
61 105.3 77.4 143.8
98 49.6 44.4 82.5





#35

Trichloroethene

Concen: 13.388 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 58429

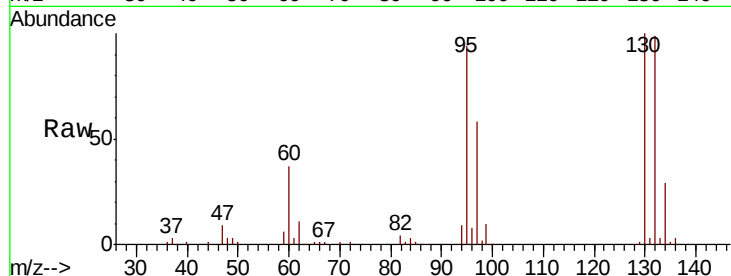
Ion Ratio Lower Upper

95 100

97 65.2 46.0 85.4

132 107.3 73.9 137.3

130 111.6 77.6 144.2

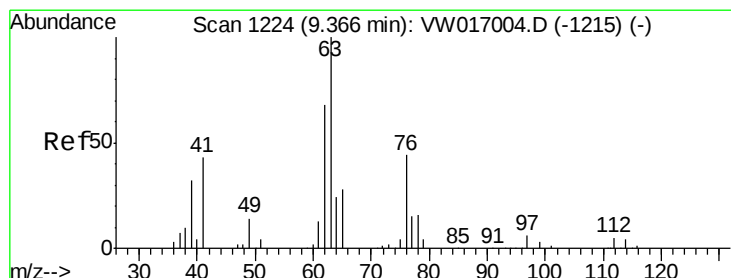
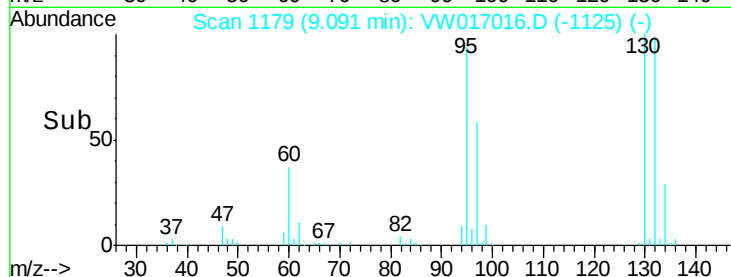
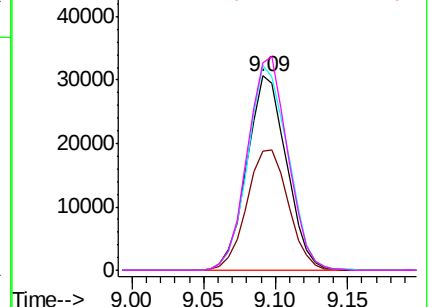


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 3.494 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017016.D

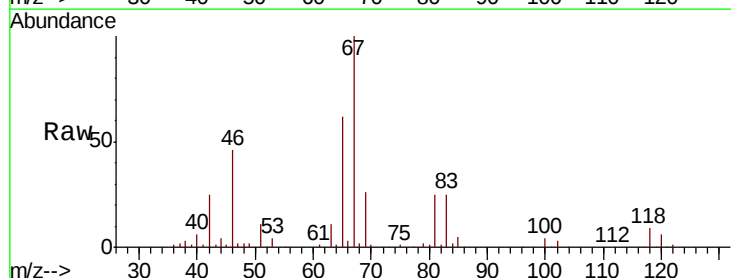
Acq: 28 Oct 2020 17:34

Tgt Ion: 63 Resp: 12296

Ion Ratio Lower Upper

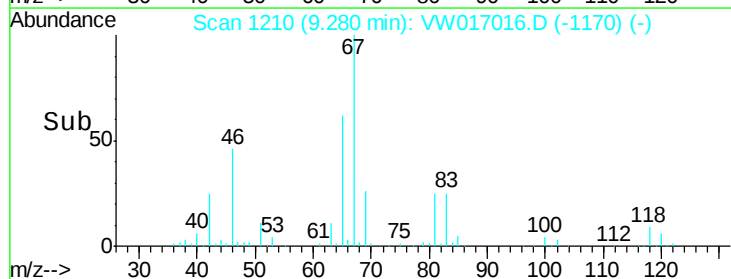
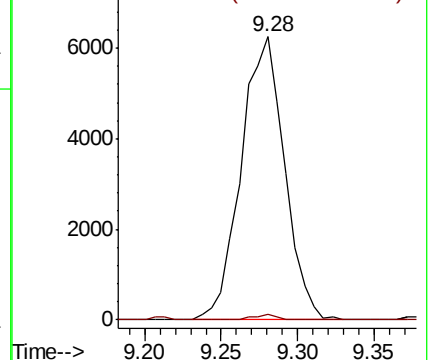
63 100

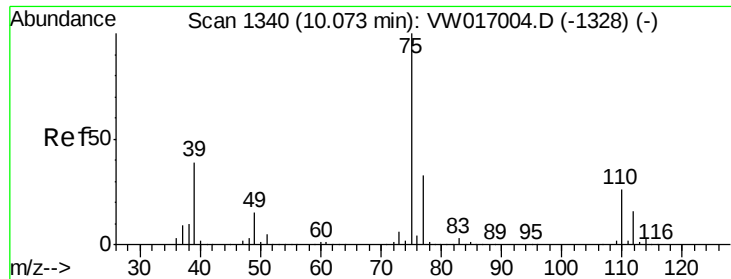
112 0.9 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.548 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

Instrument :

MSVOA_W

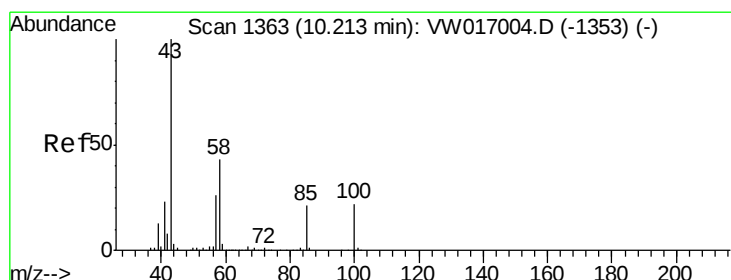
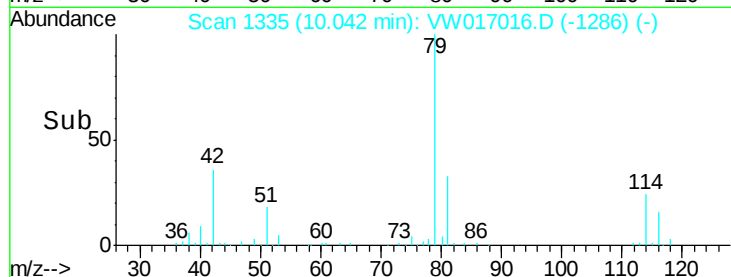
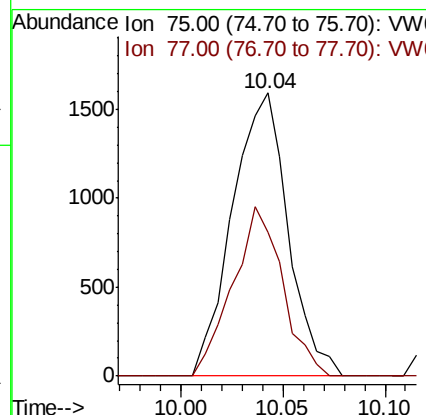
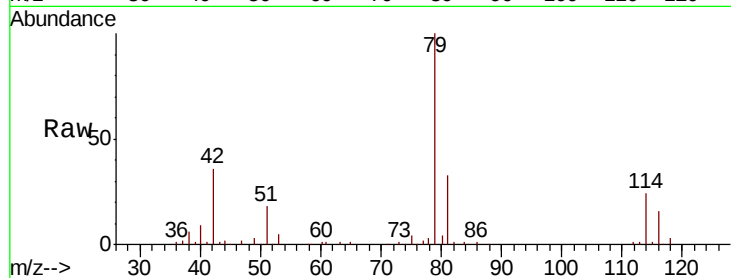
ClientSampled :

Tot Ion: 75 Resp: 3015

Ion Ratio Lower Upper

75 100

77 50.7 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 1.357 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

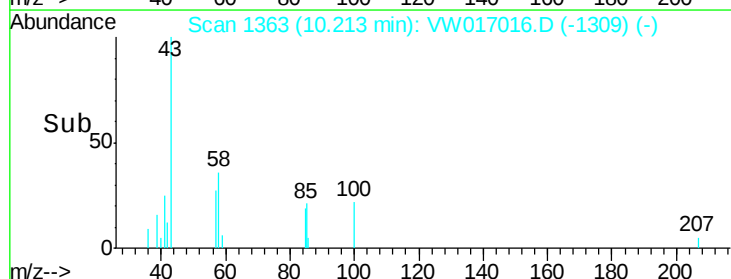
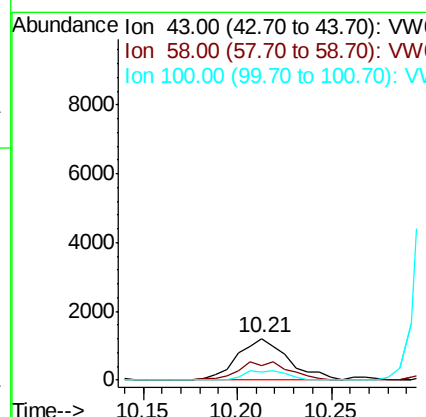
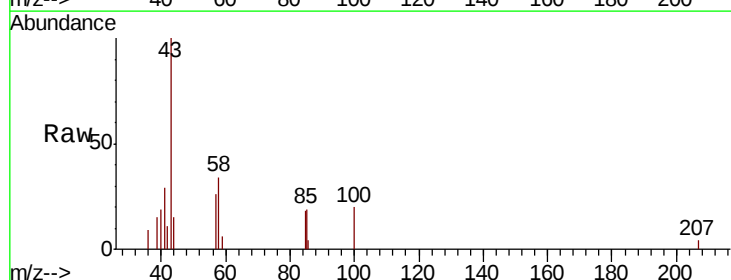
Tgt Ion: 43 Resp: 2263

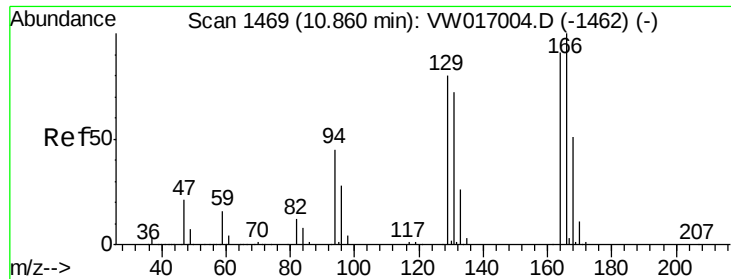
Ion Ratio Lower Upper

43 100

58 44.1 34.4 51.6

100 18.7 16.2 24.2

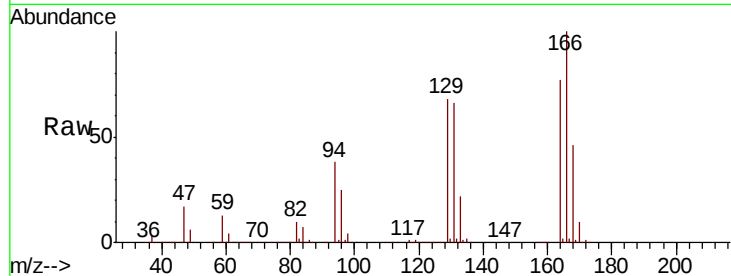




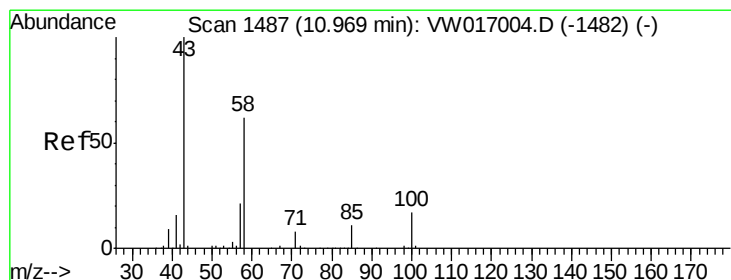
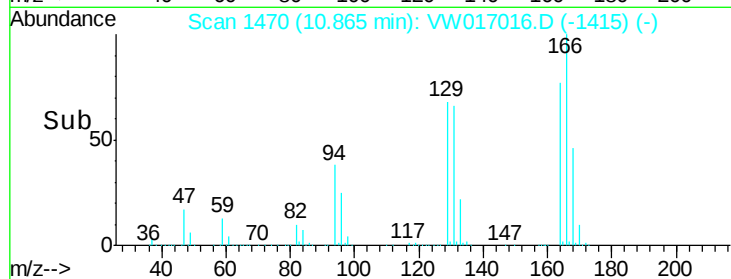
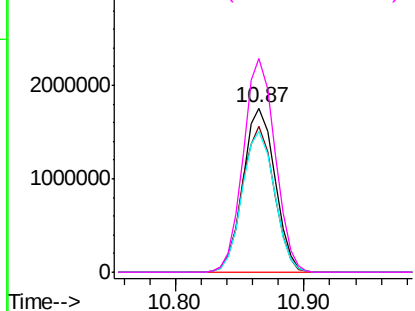
#47
Tetrachloroethene
Concen: 752.378 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017016.D
Acq: 28 Oct 2020 17:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:164 Resp: 3020414
Ion Ratio Lower Upper
164 100
129 89.1 64.0 119.0
131 85.7 61.7 114.5
166 130.2 94.6 175.8

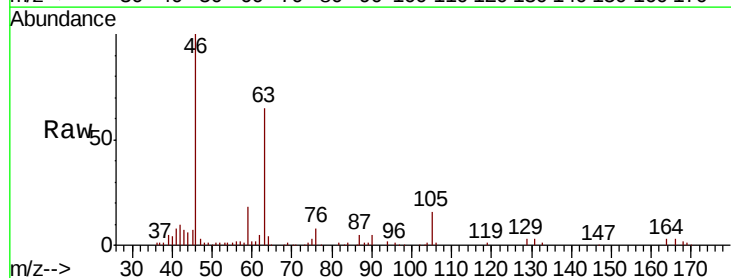


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

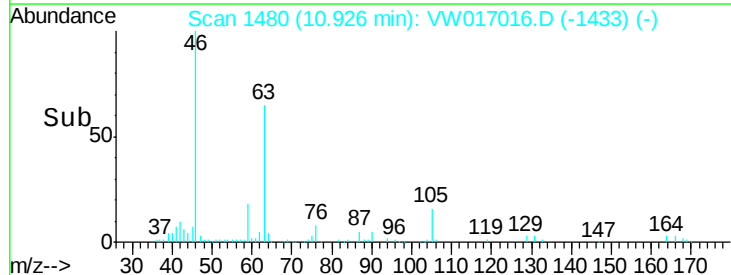
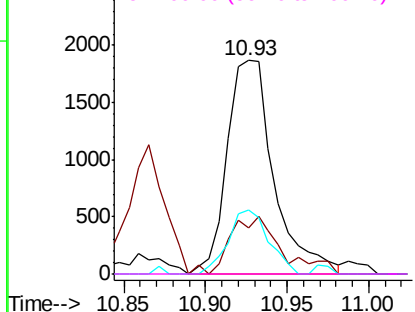


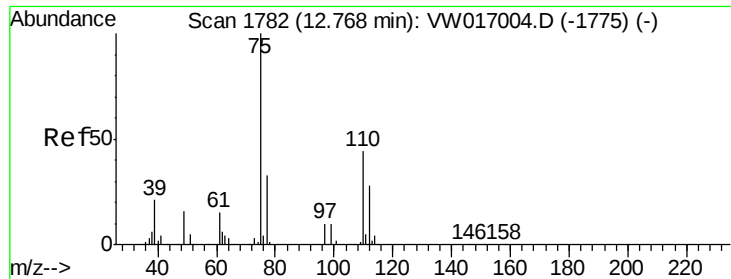
#49
2-Hexanone
Concen: 3.522 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW017016.D
Acq: 28 Oct 2020 17:34

Tgt Ion: 43 Resp: 3744
Ion Ratio Lower Upper
43 100
58 24.7 49.2 73.8#
57 25.7 17.0 25.4#
100 0.0 13.2 19.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 0.329 ug/L

RT: 12.93 min Scan# 1809

Delta R.T. 0.16 min

Lab File: VW017016.D

Acq: 28 Oct 2020 17:34

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 711

Ion Ratio Lower Upper

75 100

77 20.0 25.8 38.8#

