

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110520\
 Data File : VW017088.D
 Acq On : 05 Nov 2020 14:22
 Operator : SY/VA
 Sample : L4615-17
 Misc : 5.48G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 06 04:16:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 06 04:09:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	543019	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	451124	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195561	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	157272	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.96%
7) Chloroethane-d5	2.89	69	118522	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
10) 1,1-Dichloroethene-d2	4.02	63	215430	17.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.44%
20) 2-Butanone-d5	7.08	46	40292	26.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.68%
24) Chloroform-d	7.65	84	275756	21.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	8.31	65	121987	19.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.44%
29) Benzene-d6	8.27	84	577722	25.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.60%
33) 1,2-Dichloropropane-d6	9.27	67	152157	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	10.32	98	533741	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.58	79	57977	20.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.96%
39) 2-Hexanone-d5	10.93	63	30872	27.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90472	16.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	65.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	154810	22.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.88%

Target Compounds

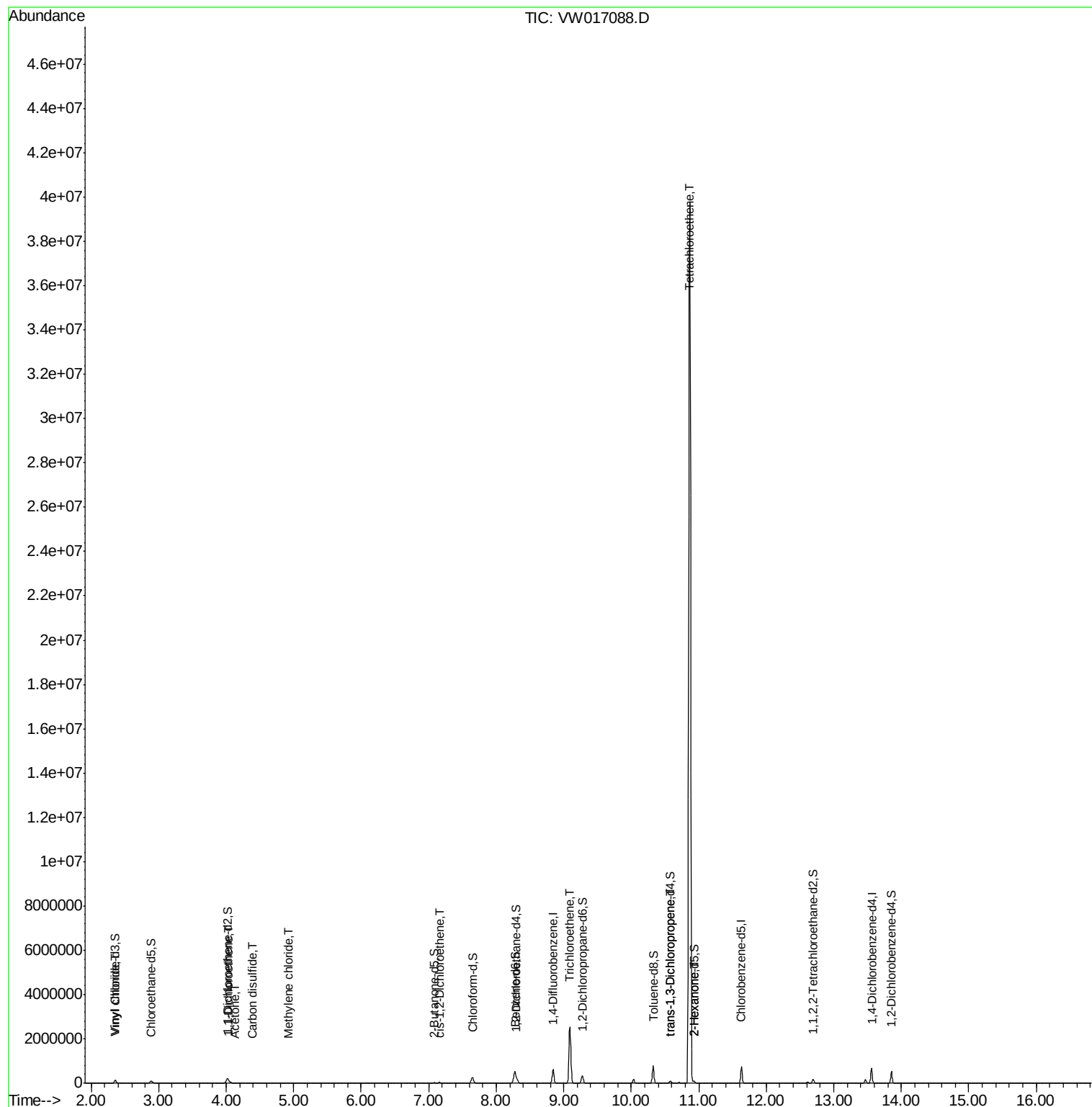
					Ovalue
5) Vinyl chloride	2.37	62	4532	0.625 ug/L #	17
12) 1,1-Dichloroethene	4.04	96	12904	1.915 ug/L #	1
13) Acetone	4.13	43	4359	4.256 ug/L	71
14) Carbon disulfide	4.39	76	8011	0.437 ug/L	99
16) Methylene chloride	4.91	84	5198	0.710 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	11160	1.513 ug/L	93
35) Trichloroethene	9.09	95	873994	131.711 ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	2720	0.361 ug/L	97
47) Tetrachloroethene	10.87	164	10307822	1721.719 ug/L	94
49) 2-Hexanone	10.93	43	3517	1.708 ug/L #	58

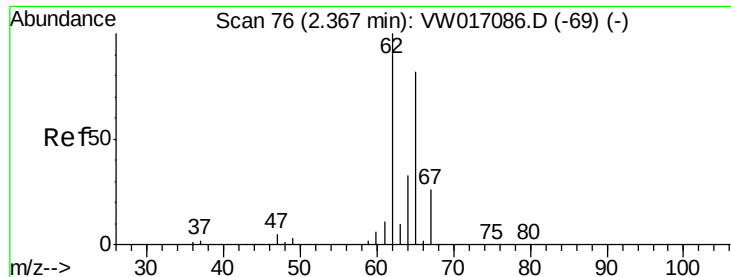
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Nov 06 04:09:24 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.625 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017088.D

Acq: 05 Nov 2020 14:22

Instrument :

MSVOA_W

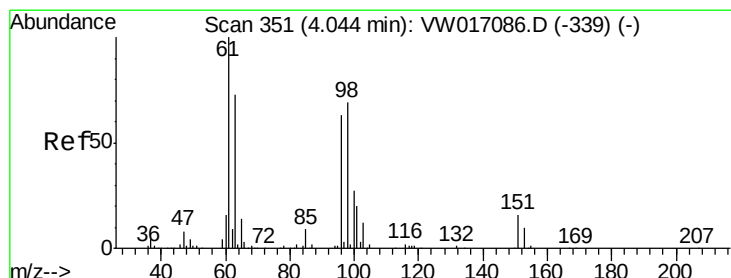
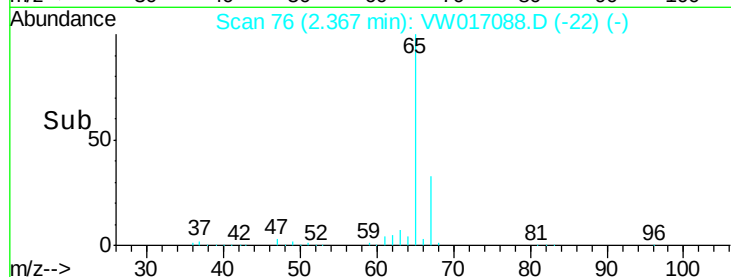
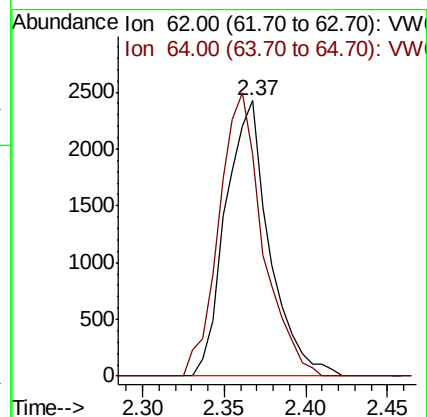
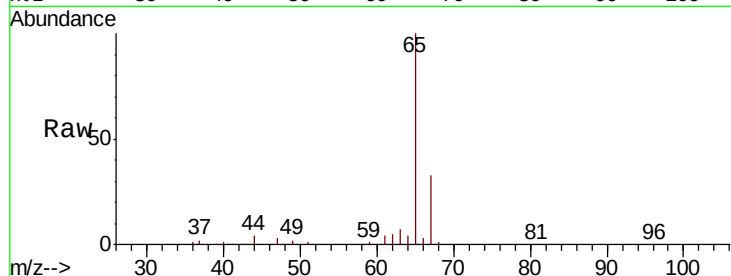
ClientSampled :

Tot Ion: 62 Resp: 4532

Ion Ratio Lower Upper

62 100

64 80.6 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 1.915 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017088.D

Acq: 05 Nov 2020 14:22

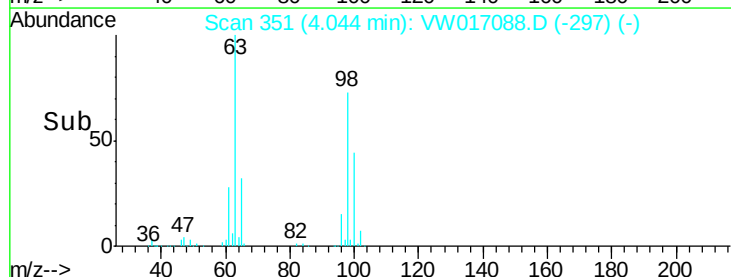
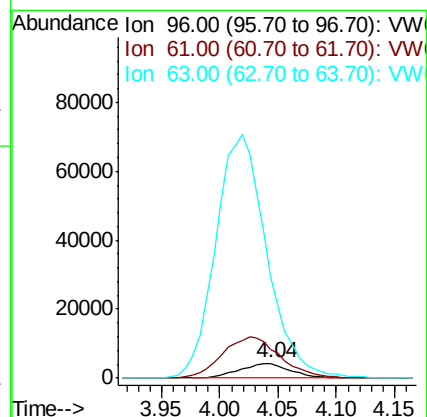
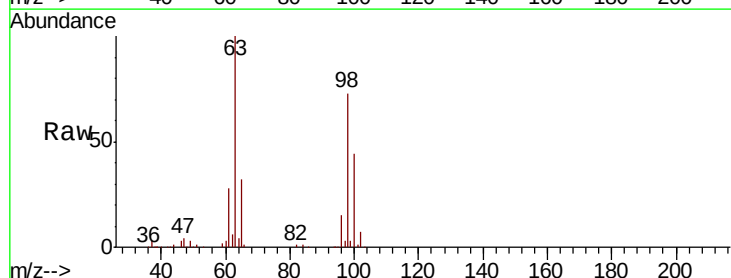
Tgt Ion: 96 Resp: 12904

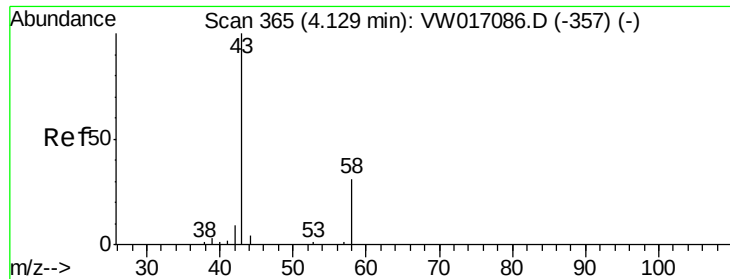
Ion Ratio Lower Upper

96 100

61 194.6 103.8 192.8#

63 688.7 84.4 156.7#





#13

Acetone

Concen: 4.256 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017088.D

Acq: 05 Nov 2020 14:22

Instrument :

MSVOA_W

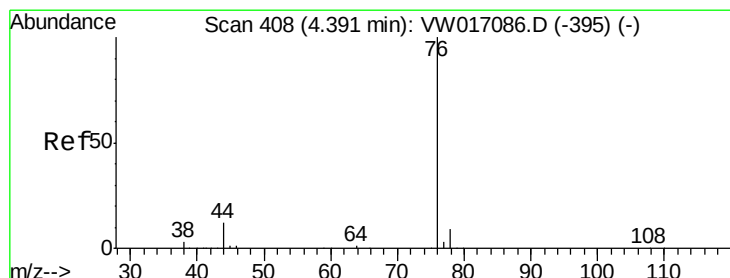
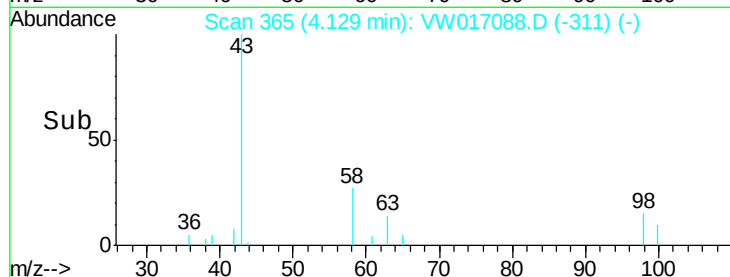
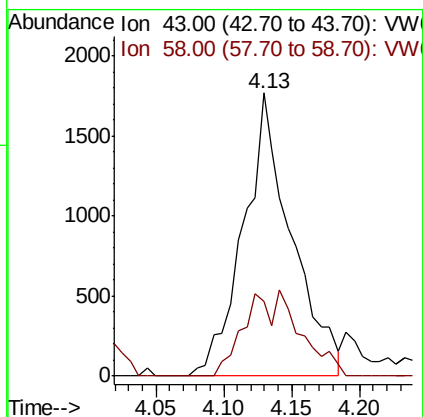
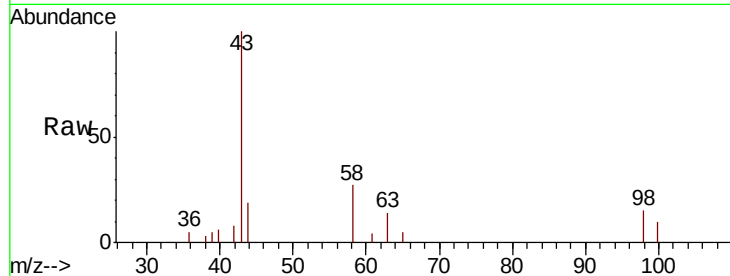
ClientSampleId :

Tot Ion: 43 Resp: 4359

Ion Ratio Lower Upper

43 100

58 17.8 0.0 69.2



#14

Carbon disulfide

Concen: 0.437 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017088.D

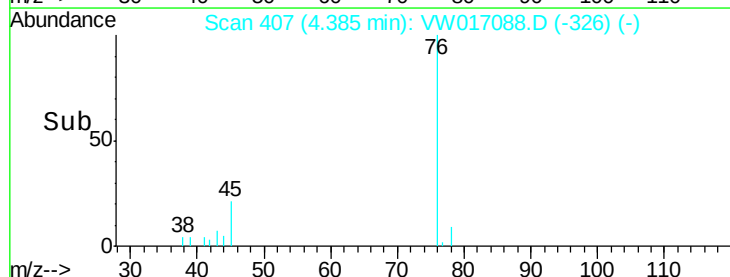
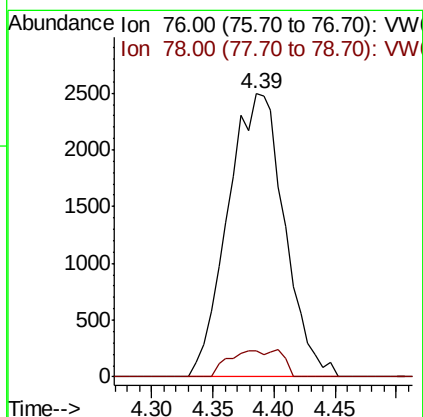
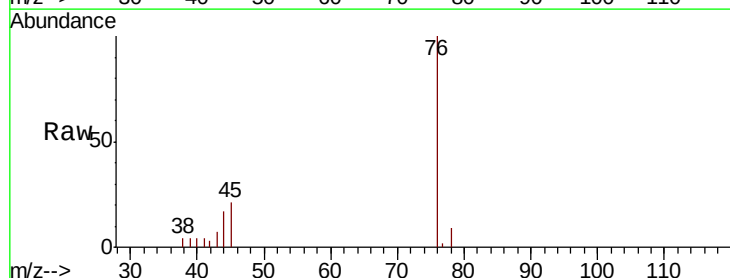
Acq: 05 Nov 2020 14:22

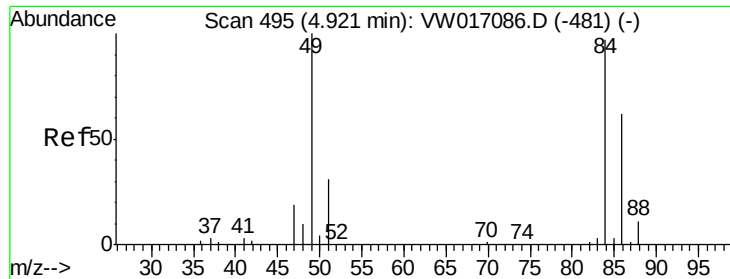
Tgt Ion: 76 Resp: 8011

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

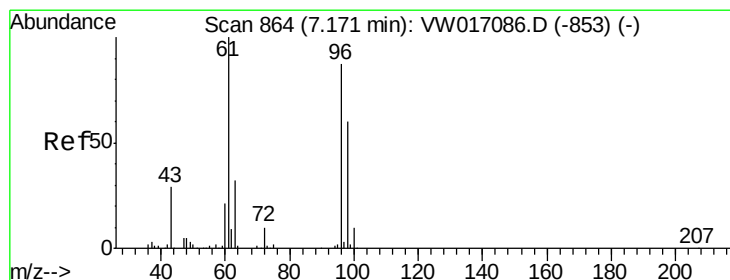
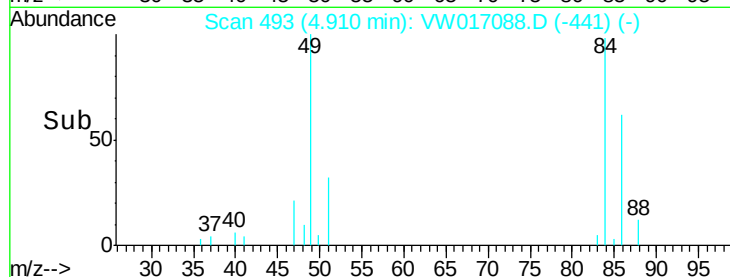
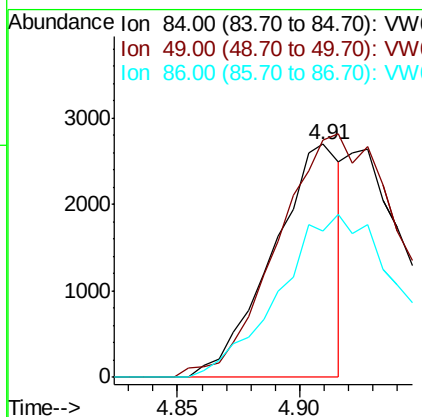
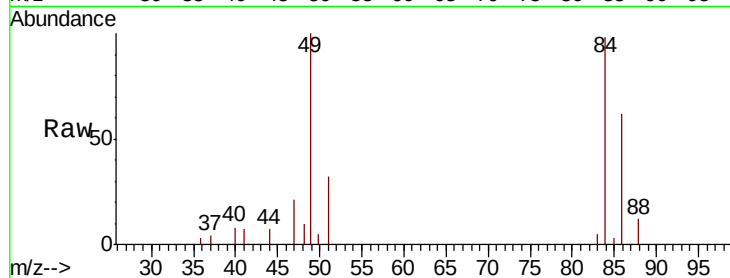




#16
Methvlene chloride
Concen: 0.710 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW017088.D
Acq: 05 Nov 2020 14:22

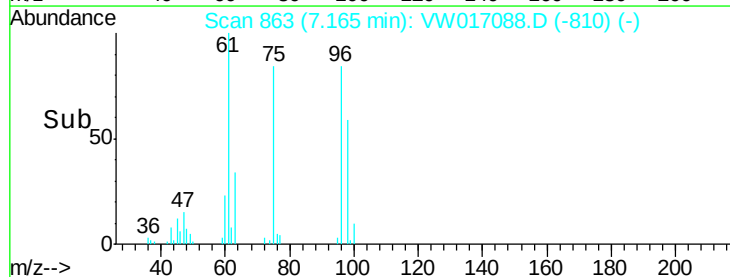
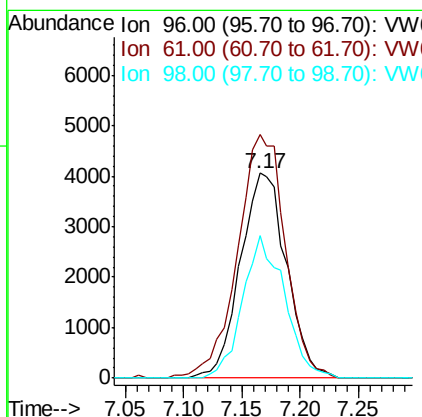
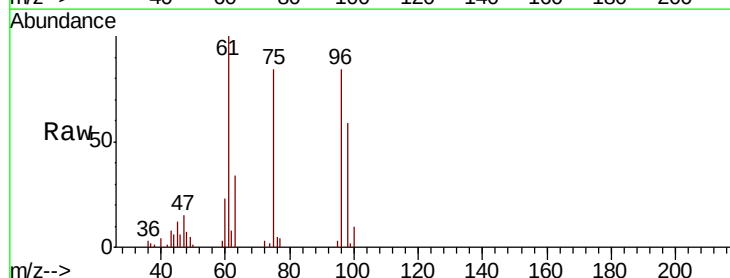
Instrument :
MSVOA_W
ClientSampled :

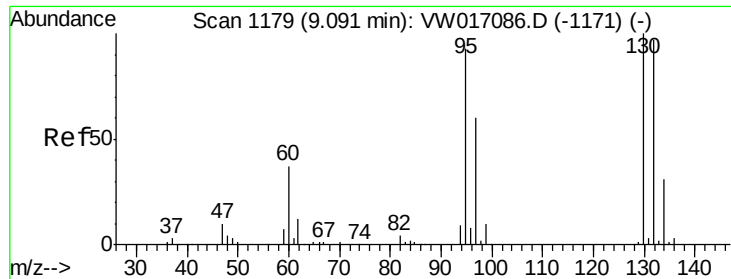
Tot Ion: 84 Resp: 5198
Ion Ratio Lower Upper
84 100
49 101.6 72.3 134.3
86 62.8 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 1.513 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW017088.D
Acq: 05 Nov 2020 14:22

Tgt Ion: 96 Resp: 11160
Ion Ratio Lower Upper
96 100
61 118.8 77.4 143.8
98 69.7 45.1 83.7

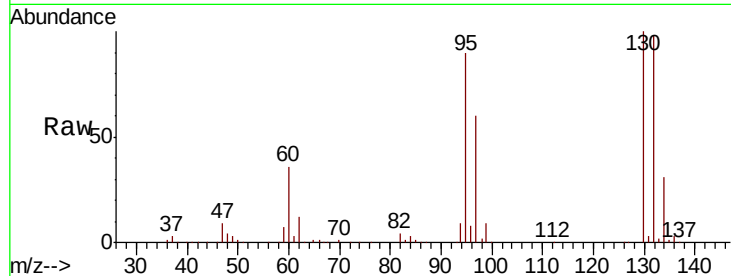




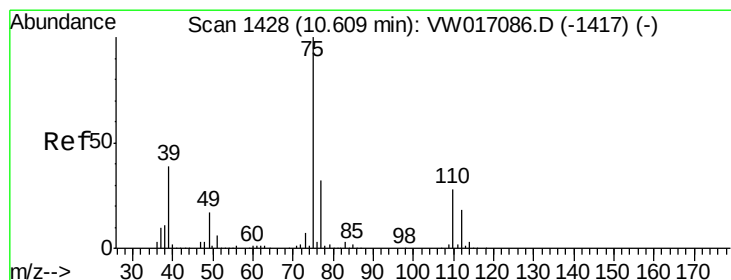
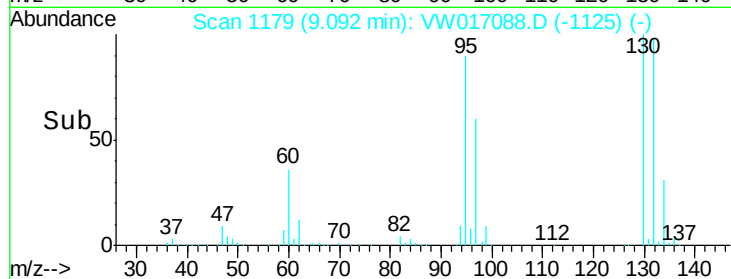
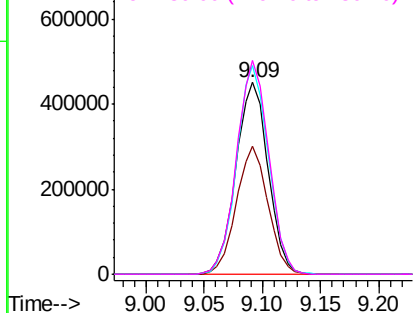
#35
 Trichloroethene
 Concen: 131.711 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017088.D
 Acq: 05 Nov 2020 14:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 873994
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.0 83.6
 132 107.5 73.7 136.9
 130 110.8 77.1 143.1

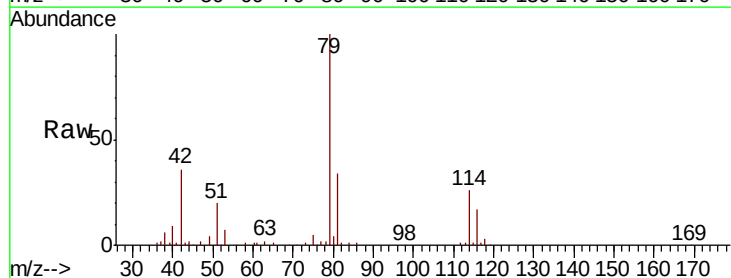


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

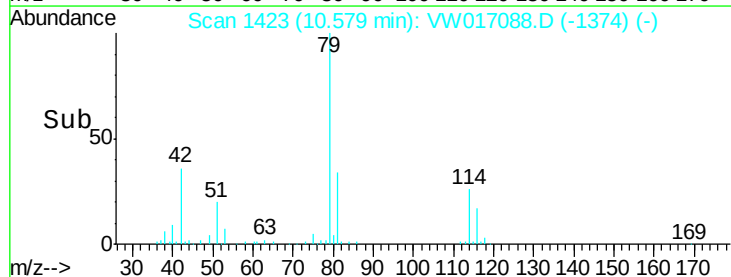
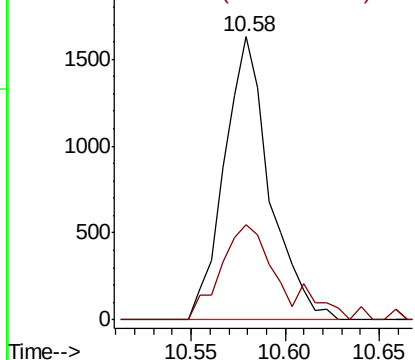


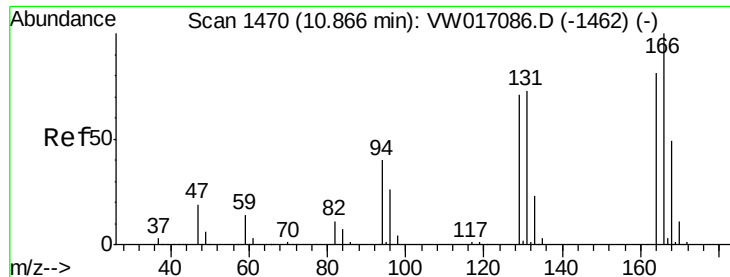
#45
 trans-1,3-Dichloropropene
 Concen: 0.361 ug/L
 RT: 10.58 min Scan# 1423
 Delta R.T. -0.03 min
 Lab File: VW017088.D
 Acq: 05 Nov 2020 14:22

Tgt Ion: 75 Resp: 2720
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.1 41.1



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





#47

Tetrachloroethene

Concen: 1721.719 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017088.D

Acq: 05 Nov 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp:10307822

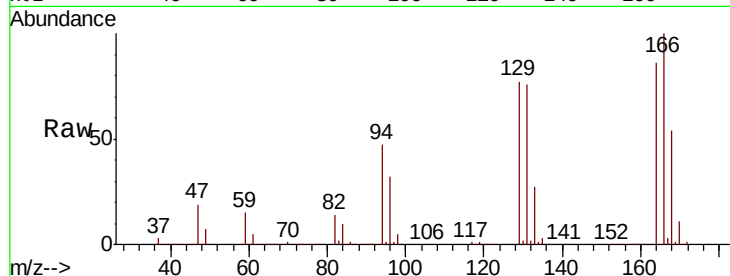
Ion Ratio Lower Upper

164 100

129 89.9 62.9 116.7

131 88.6 63.3 117.5

166 116.5 92.0 170.8



Abundance Ion 164.00 (163.70 to 164.70): V

1e+07 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

8000000

6000000

4000000

2000000

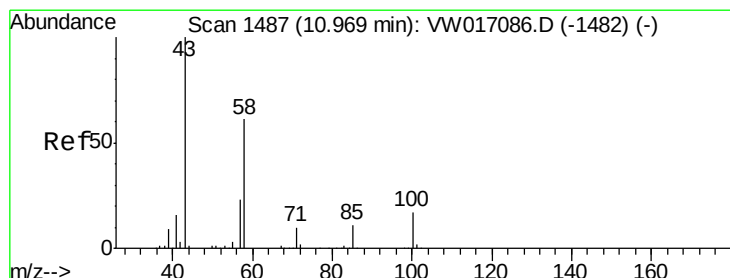
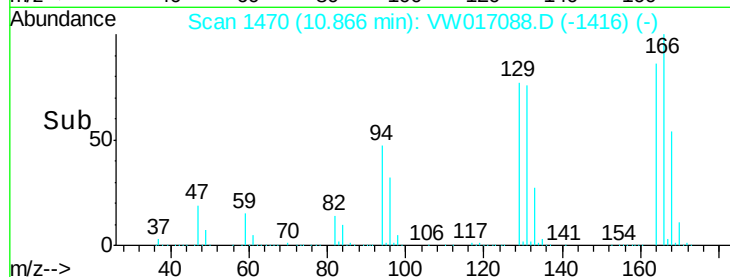
0

10.80

10.90

11.00

Time-->



#49

2-Hexanone

Concen: 1.708 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017088.D

Acq: 05 Nov 2020 14:22

Tgt Ion: 43 Resp: 3517

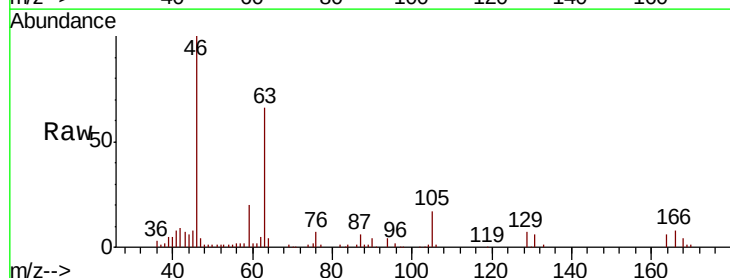
Ion Ratio Lower Upper

43 100

58 20.2 50.6 75.8#

57 25.5 17.8 26.6

100 0.0 13.9 20.9#



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

5000

4000

3000

2000

1000

0

10.85

10.90

10.95

11.00

Time-->

