

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
 Data File : VW017024.D
 Acq On : 29 Oct 2020 13:40
 Operator : SY/VA
 Sample : L4502-19RE
 Misc : 5.97G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 30 01:10:59 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	836648	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	668769	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	281084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	147872	15.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.28%
7) Chloroethane-d5	2.89	69	118439	15.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.32%
10) 1,1-Dichloroethene-d2	4.02	63	219783	11.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.80%
20) 2-Butanone-d5	7.24	46	225	0.12	ug/L	0.16
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.24%#
24) Chloroform-d	7.65	84	299011	15.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	61.96%
26) 1,2-Dichloroethane-d4	8.31	65	142177	15.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	62.60%#
29) Benzene-d6	8.27	84	619201	18.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	72.08%
33) 1,2-Dichloropropane-d6	9.27	67	167429	18.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	72.24%
37) Toluene-d8	10.32	98	565973	17.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.00%
38) trans-1,3-Dichloropropene-	10.58	79	66157	16.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.24%
39) 2-Hexanone-d5	10.93	63	44894	34.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110940	15.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	62.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	167282	16.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	67.72%#

Target Compounds

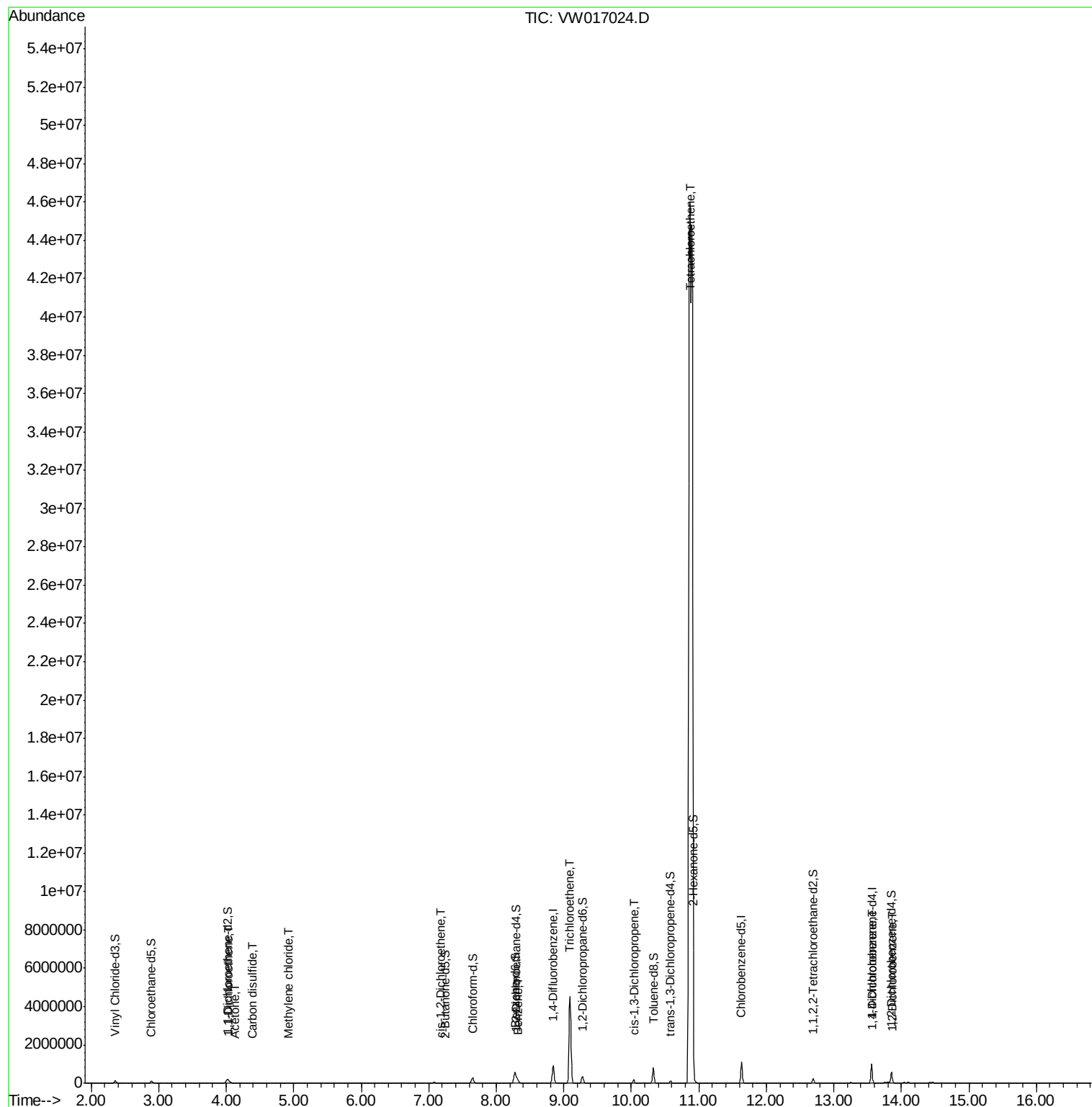
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	13397	1.223	ug/L #	1
13) Acetone	4.13	43	5138	4.198	ug/L	93
14) Carbon disulfide	4.39	76	8162	0.246	ug/L	95
16) Methylene chloride	4.92	84	9032	0.817	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	10980	0.948	ug/L	93
34) Benzene	8.32	78	75924	2.055	ug/L	100
35) Trichloroethene	9.09	95	1575563	153.983	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4656	0.361	ug/L	87
47) Tetrachloroethene	10.87	164	12655747	1344.615	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	4504	0.249	ug/L	88
65) 1,2-Dichlorobenzene	13.87	146	4615	0.288	ug/L #	87

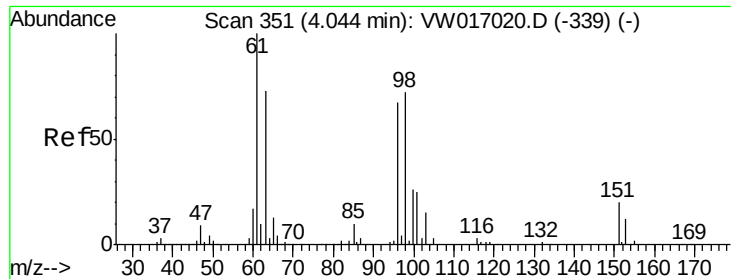
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Oct 30 01:03:22 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.223 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017024.D

Acq: 29 Oct 2020 13:40

Instrument :

MSVOA_W

ClientSampleId :

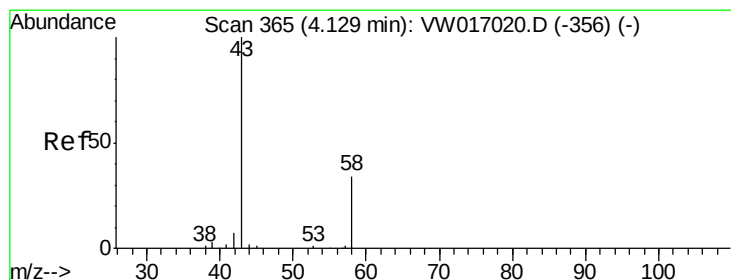
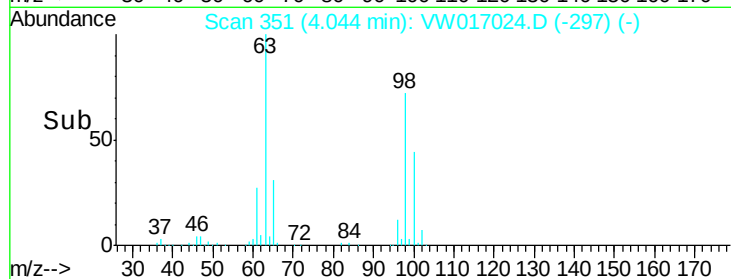
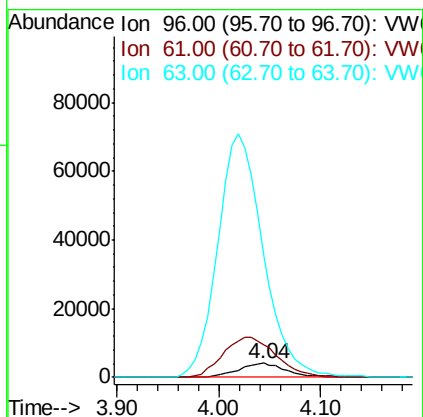
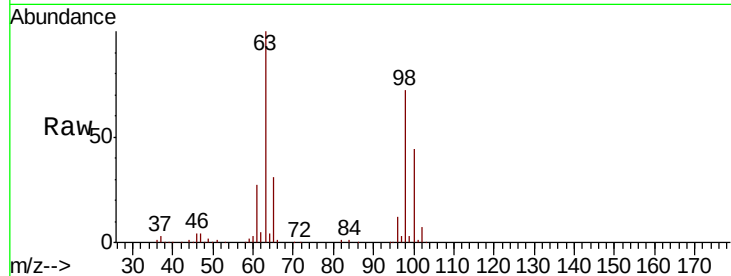
Tot Ion: 96 Resp: 13397

Ion Ratio Lower Upper

96 100

61 221.5 101.4 188.4#

63 834.3 78.5 145.9#



#13

Acetone

Concen: 4.198 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017024.D

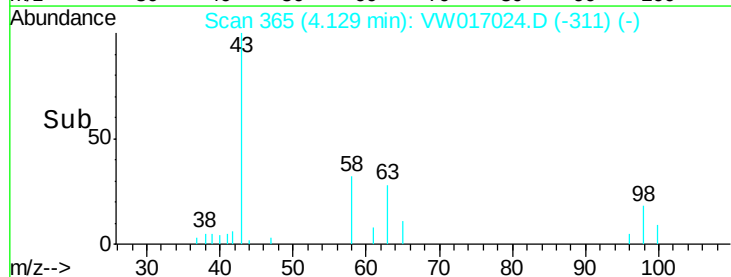
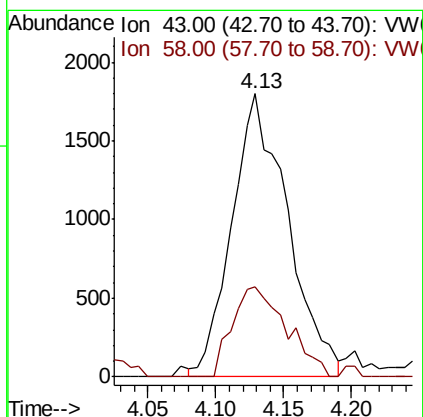
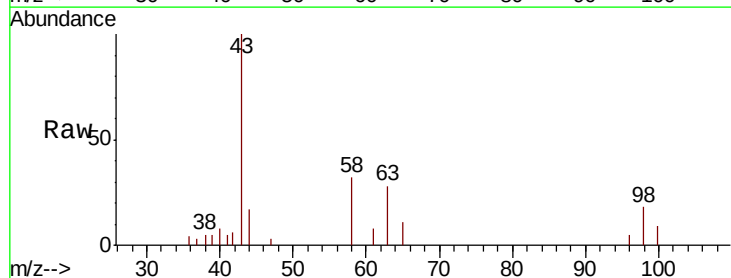
Acq: 29 Oct 2020 13:40

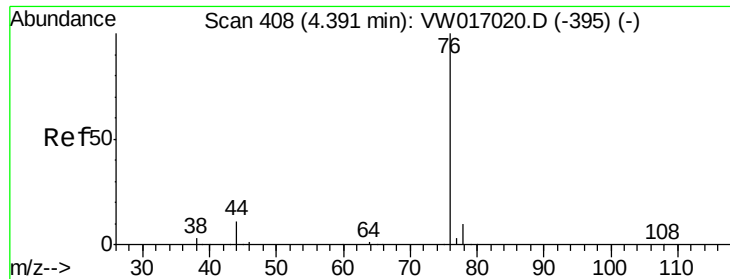
Tgt Ion: 43 Resp: 5138

Ion Ratio Lower Upper

43 100

58 30.8 0.0 69.8





#14

Carbon disulfide

Concen: 0.246 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017024.D

Acq: 29 Oct 2020 13:40

Instrument :

MSVOA_W

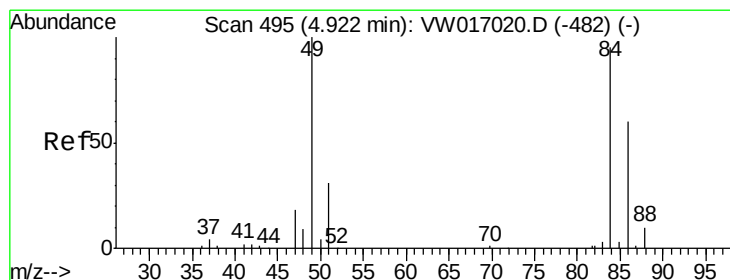
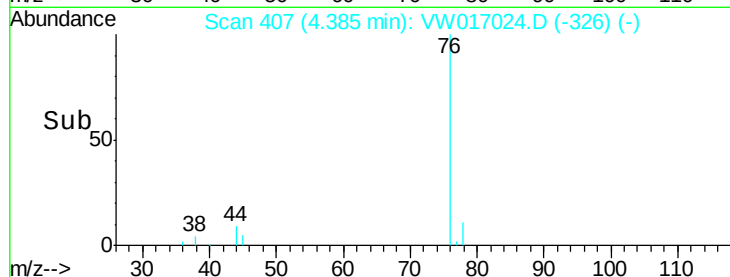
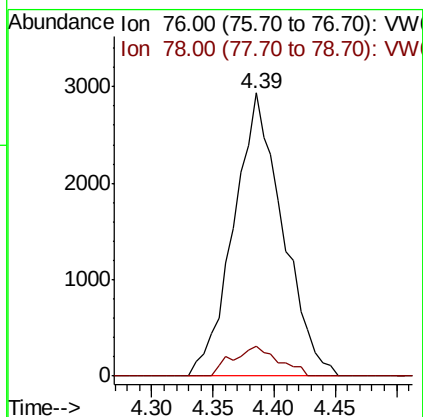
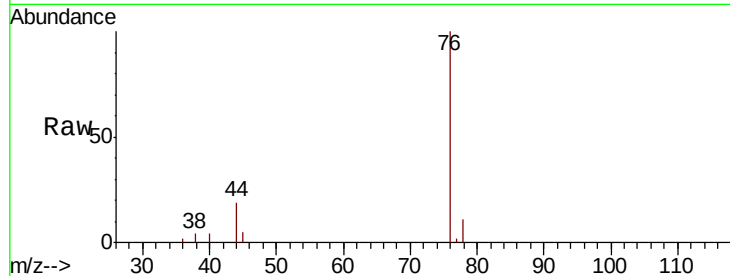
ClientSampled :

Tot Ion: 76 Resp: 8162

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9



#16

Methylene chloride

Concen: 0.817 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017024.D

Acq: 29 Oct 2020 13:40

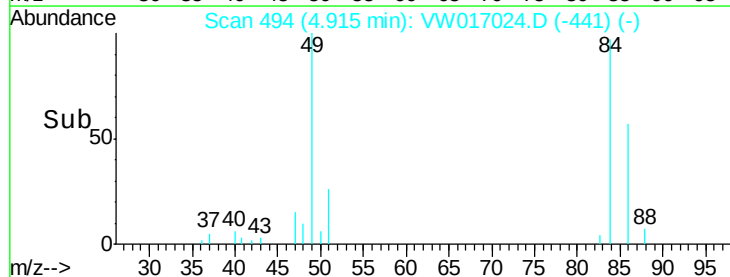
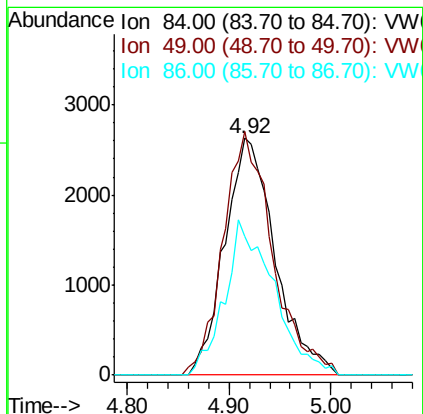
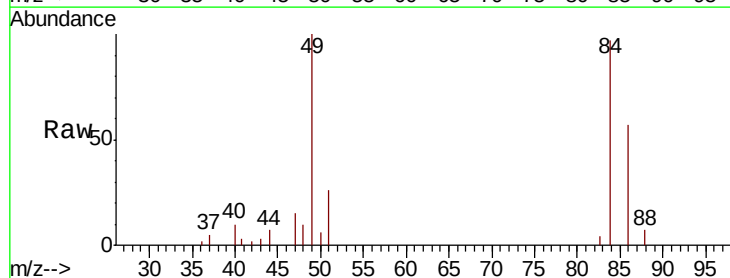
Tgt Ion: 84 Resp: 9032

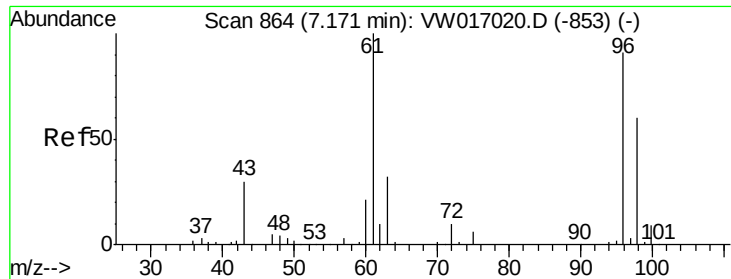
Ion Ratio Lower Upper

84 100

49 102.7 73.8 137.0

86 58.5 47.4 88.0



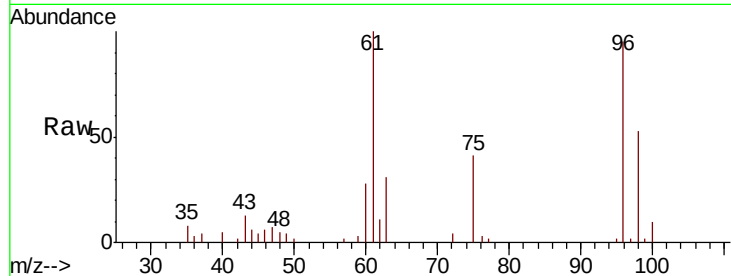


#22

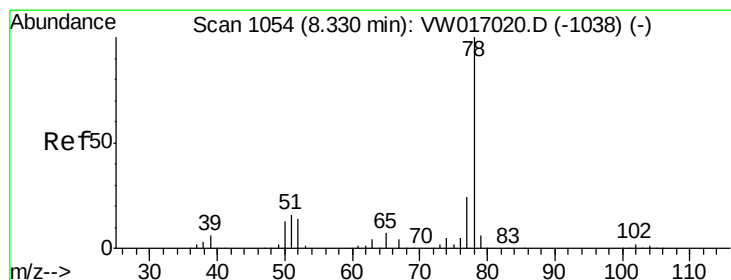
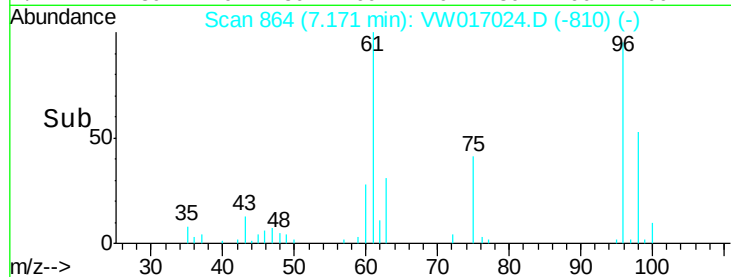
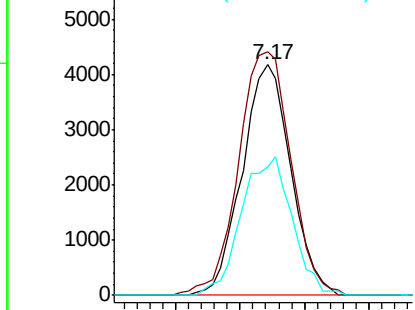
cis-1,2-Dichloroethene
Concen: 0.948 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017024.D
Acq: 29 Oct 2020 13:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 10980
Ion Ratio Lower Upper
96 100
61 105.7 77.4 143.8
98 55.7 44.4 82.5



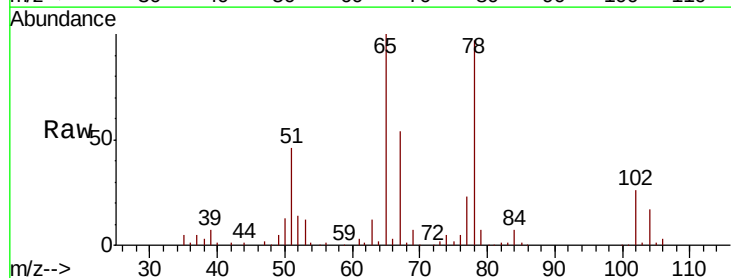
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



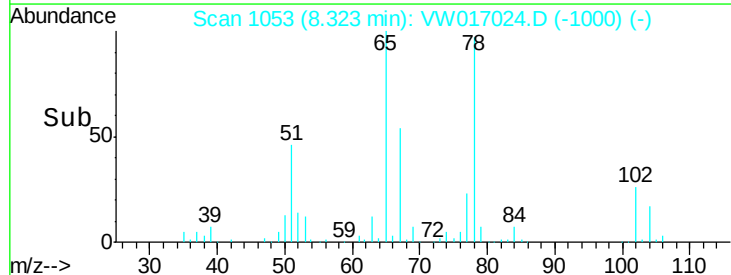
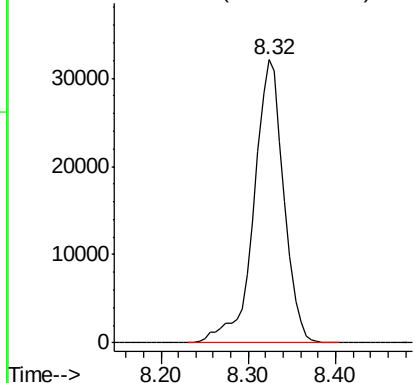
#34

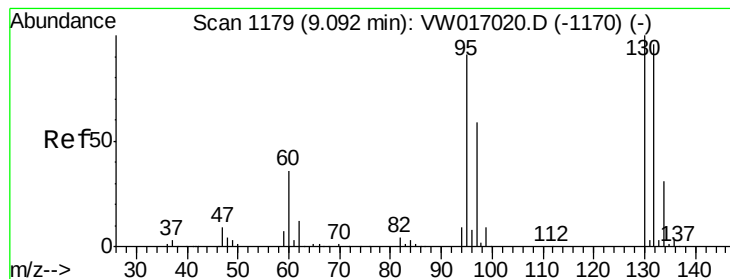
Benzene
Concen: 2.055 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW017024.D
Acq: 29 Oct 2020 13:40

Tgt Ion: 78 Resp: 75924



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 153.983 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017024.D

Acq: 29 Oct 2020 13:40

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 1575563

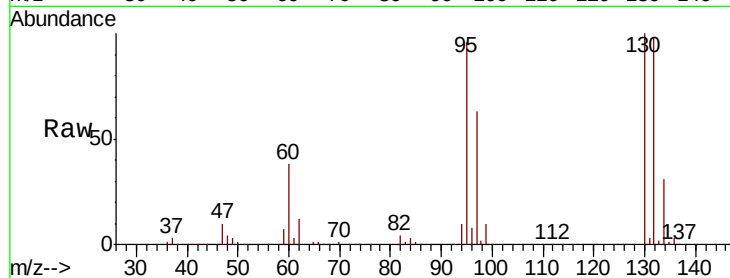
Ion Ratio Lower Upper

95 100

97 65.2 46.0 85.4

132 106.6 73.9 137.3

130 110.3 77.6 144.2

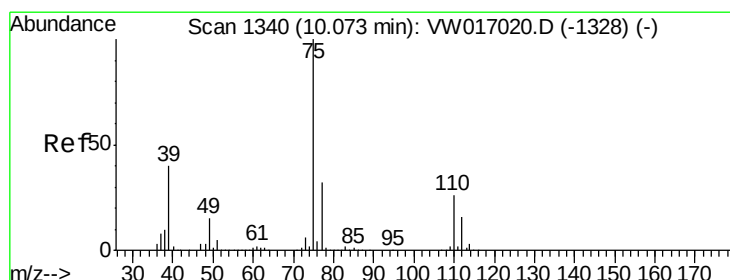
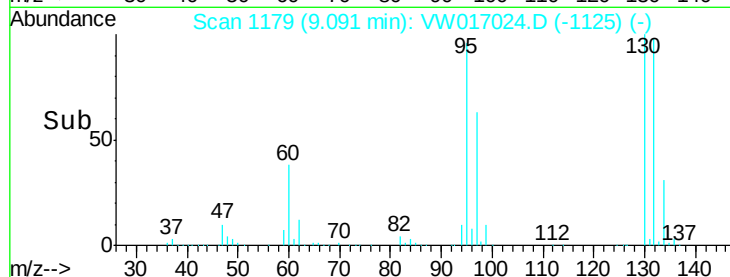
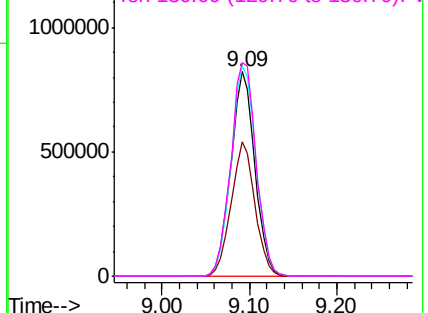


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.361 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017024.D

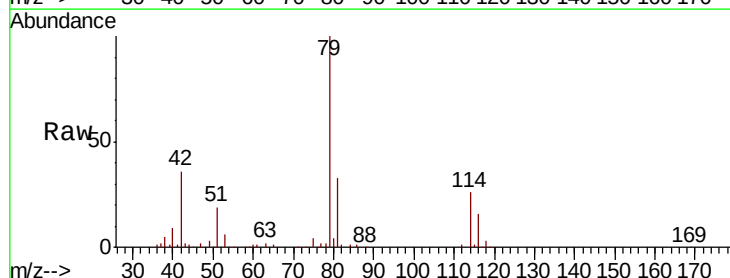
Acq: 29 Oct 2020 13:40

Tgt Ion: 75 Resp: 4656

Ion Ratio Lower Upper

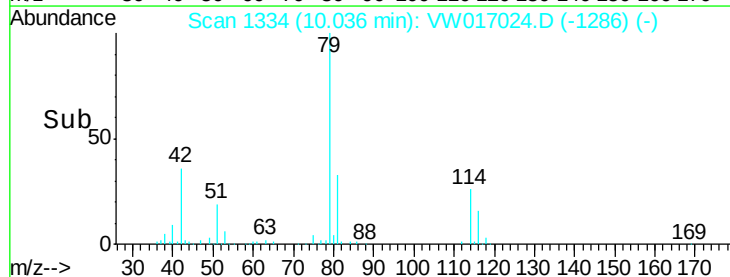
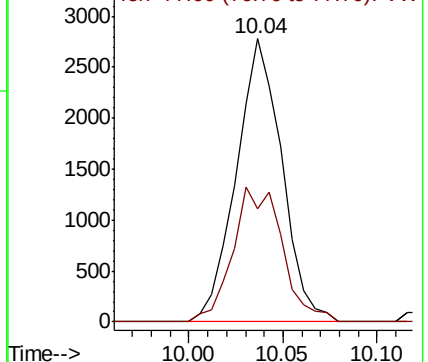
75 100

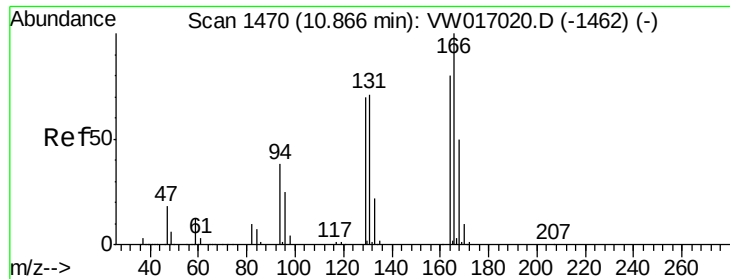
77 39.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 1344.615 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017024.D

Acq: 29 Oct 2020 13:40

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:164 Resp:12655747

Ion	Ratio	Lower	Upper
164	100		
129	87.6	64.0	119.0
131	85.2	61.7	114.5
166	119.2	94.6	175.8

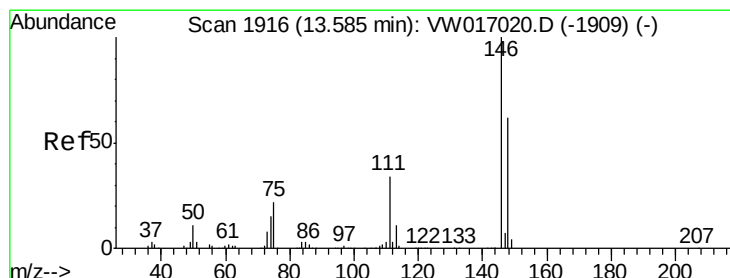
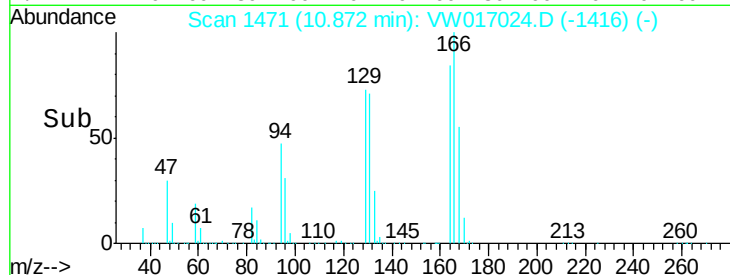
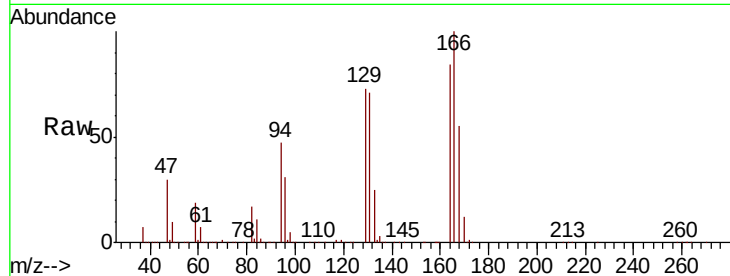
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



#64

1,4-Dichlorobenzene

Concen: 0.249 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW017024.D

Acq: 29 Oct 2020 13:40

Tgt Ion:146 Resp: 4504

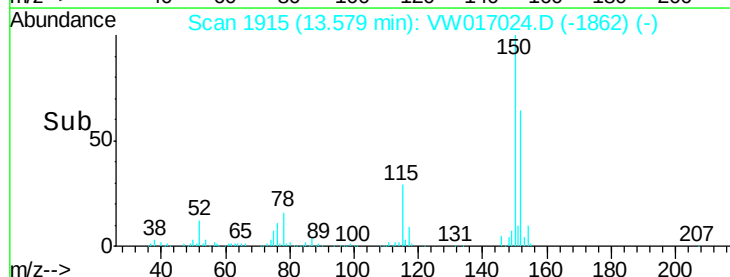
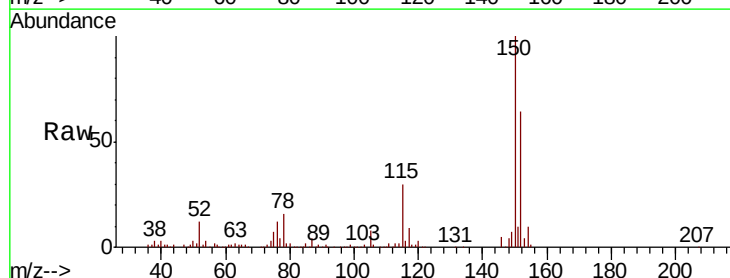
Ion	Ratio	Lower	Upper
146	100		
111	45.8	25.7	47.7
148	71.2	44.3	82.3

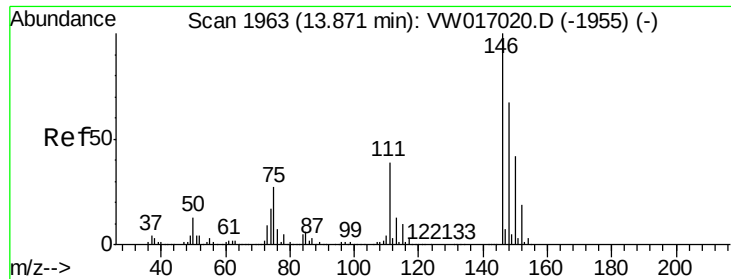
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

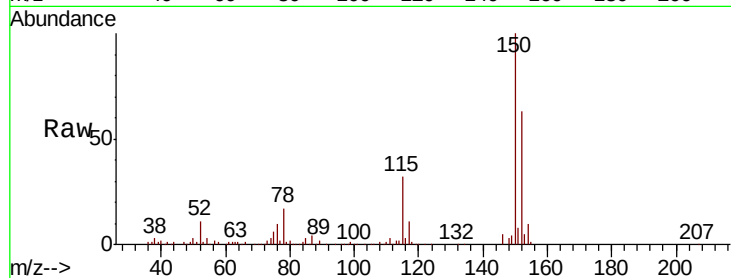




#65
 1,2-Dichlorobenzene
 Concen: 0.288 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017024.D
 Acq: 29 Oct 2020 13:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 4615
 Ion Ratio Lower Upper
 146 100
 111 57.9 31.4 47.0#
 148 60.3 47.7 71.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

