

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016243.D
 Acq On : 18 Aug 2020 16:21
 Operator : SY/VA
 Sample : L3709-12
 Misc : 6.83G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWQ5

Quant Time: Aug 19 05:52:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 05:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	374927	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310663	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	115620	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	83560	17.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.92%
7) Chloroethane-d5	2.89	69	68131	19.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.24%
10) 1,1-Dichloroethene-d2	4.01	63	138056	13.98	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.92%
20) 2-Butanone-d5	7.08	46	50413	41.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.44%
24) Chloroform-d	7.65	84	211958	21.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.28%
26) 1,2-Dichloroethane-d4	8.31	65	107807	20.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.68%
29) Benzene-d6	8.27	84	403171	23.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.44%
33) 1,2-Dichloropropane-d6	9.27	67	122947	24.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.96%
37) Toluene-d8	10.32	98	341484	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.12%
38) trans-1,3-Dichloropropene-	10.58	79	48053	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.04%
39) 2-Hexanone-d5	10.93	63	42784	49.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95788	23.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	106669	26.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.12%

Target Compounds

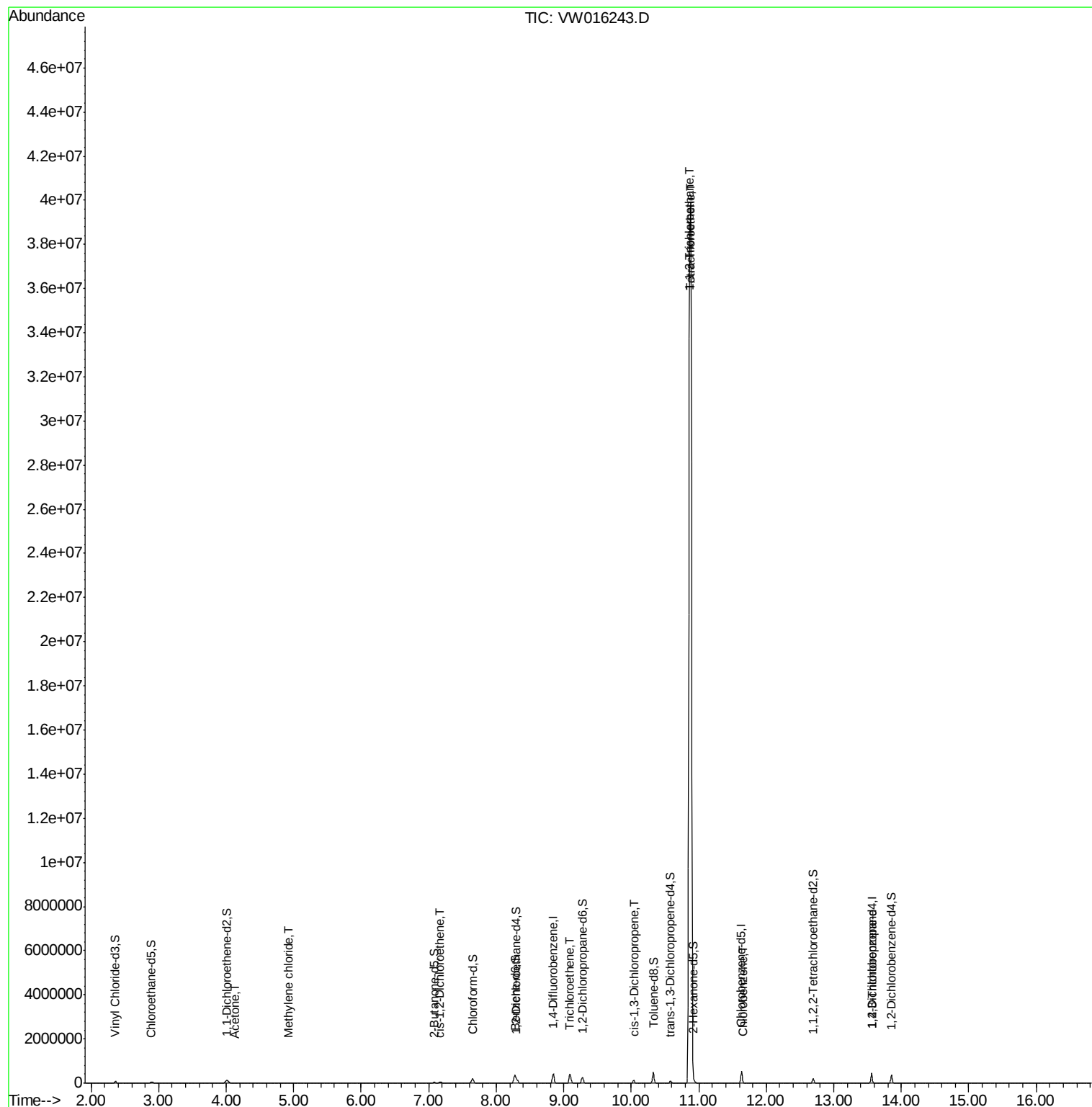
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	6629	7.164	ug/L	87
16) Methylene chloride	4.91	84	17648	2.981	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	28795	5.392	ug/L	97
35) Trichloroethene	9.09	95	142330	29.547	ug/L	97
42) cis-1,3-Dichloropropene	10.04	75	3069	0.458	ug/L #	49
46) 1,1,2-Trichloroethane	10.87	97	145615	42.048	ug/L #	24
47) Tetrachloroethene	10.88	164	14532399	4024.161	ug/L	96
52) Chlorobenzene	11.66	112	5464	0.437	ug/L	93
59) 1,2,3-Trichloropropane	13.56	75	13488	4.406	ug/L	92

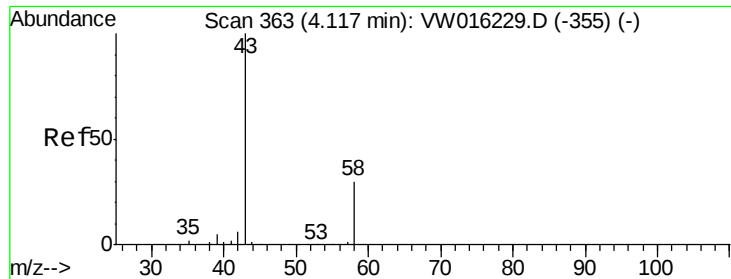
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 19 05:49:31 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.164 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

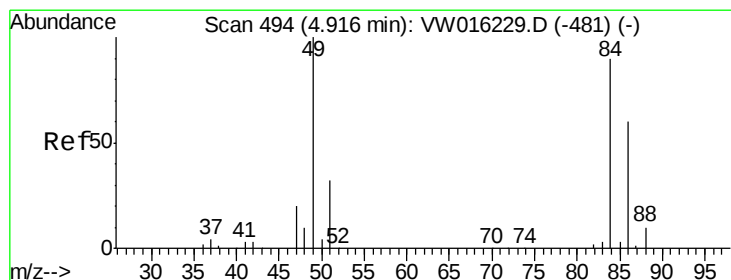
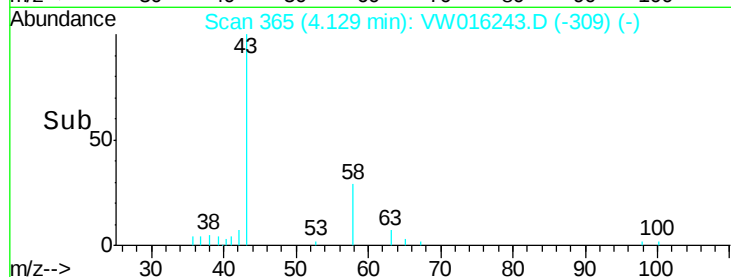
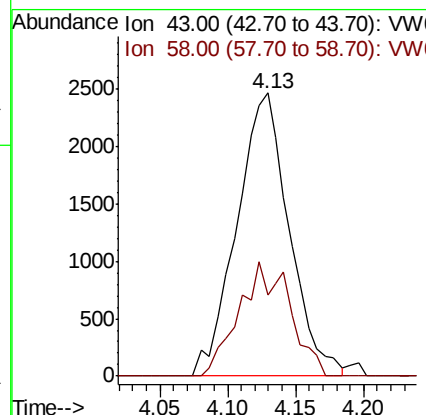
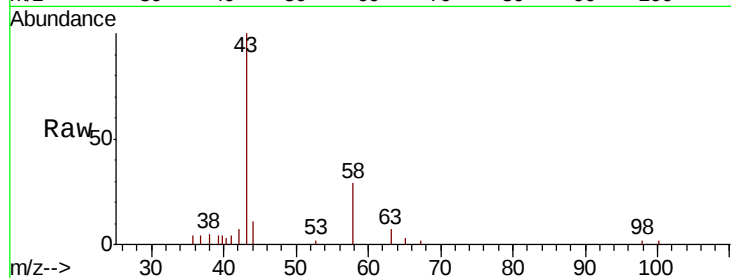
BFWQ5

Tot Ion: 43 Resp: 6629

Ion Ratio Lower Upper

43 100

58 22.9 0.0 59.4



#16

Methylene chloride

Concen: 2.981 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

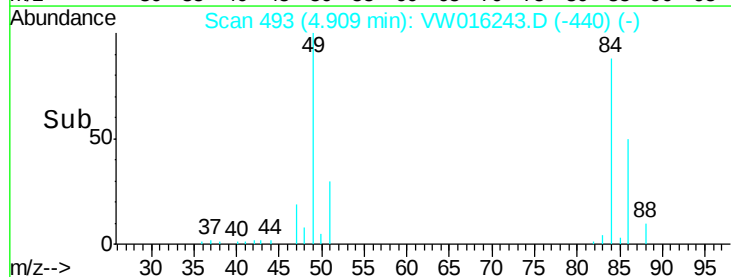
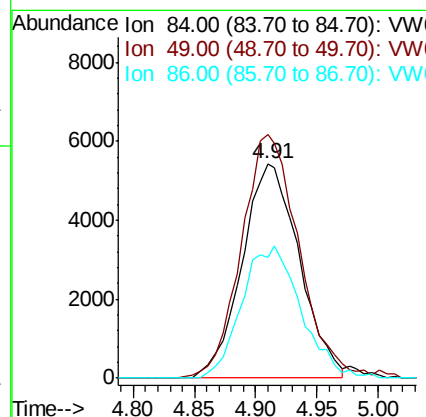
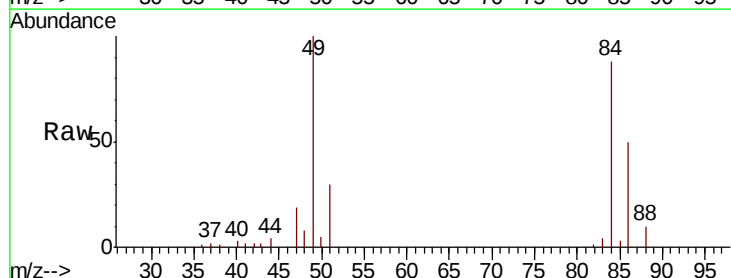
Tgt Ion: 84 Resp: 17648

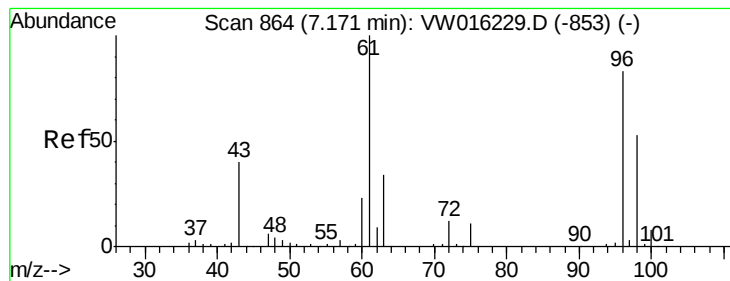
Ion Ratio Lower Upper

84 100

49 113.7 80.4 149.4

86 56.4 43.8 81.3





#22

cis-1,2-Dichloroethene

Concen: 5.392 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

BFWQ5

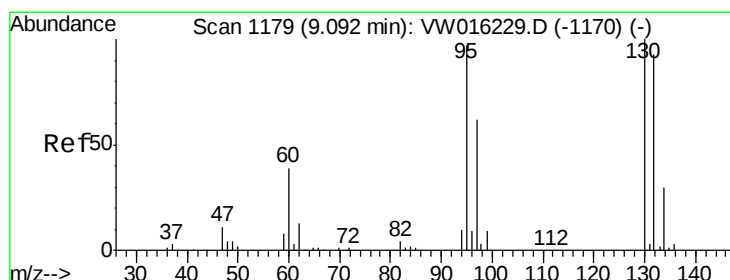
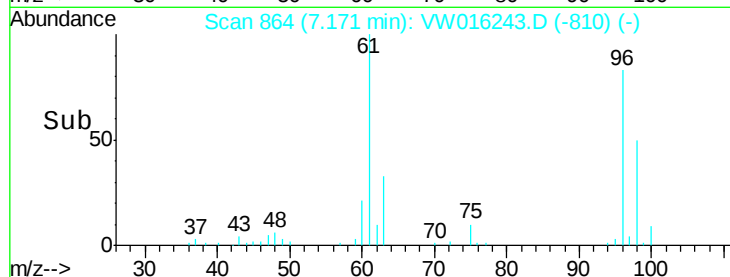
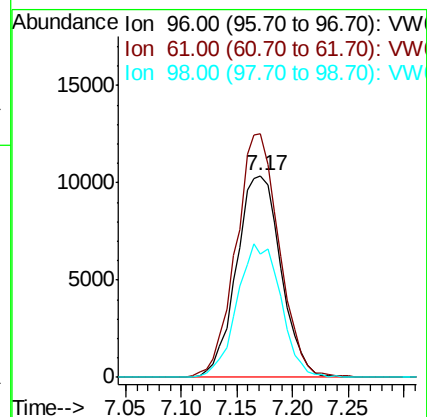
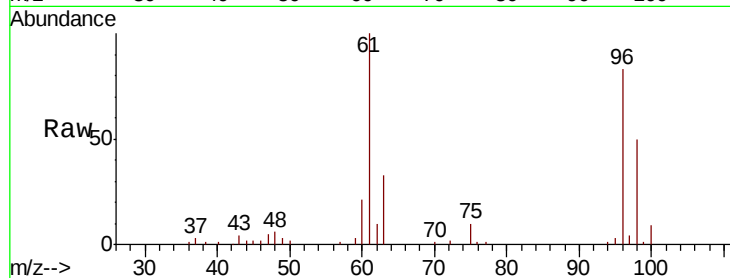
Tot Ion: 96 Resp: 28795

Ion Ratio Lower Upper

96 100

61 120.9 87.0 161.6

98 61.0 44.0 81.6



#35

Trichloroethene

Concen: 29.547 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

Tgt Ion: 95 Resp: 142330

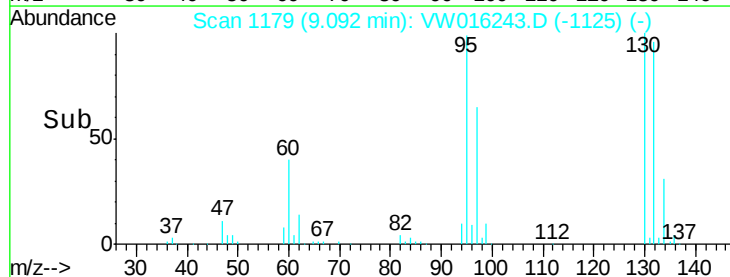
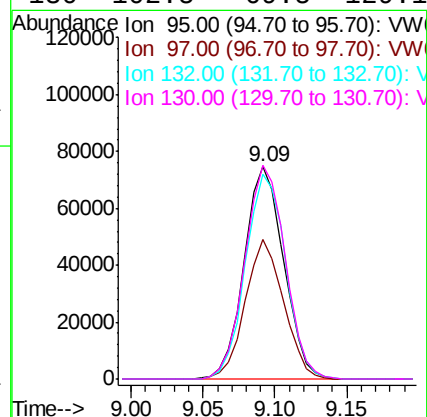
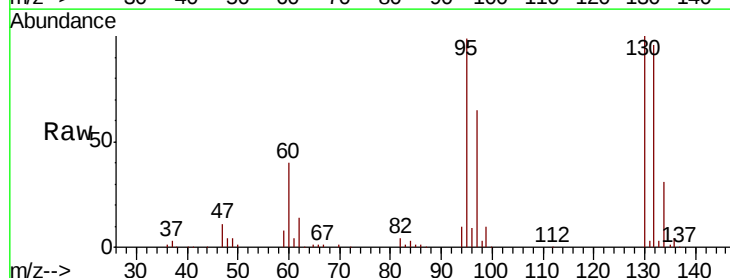
Ion Ratio Lower Upper

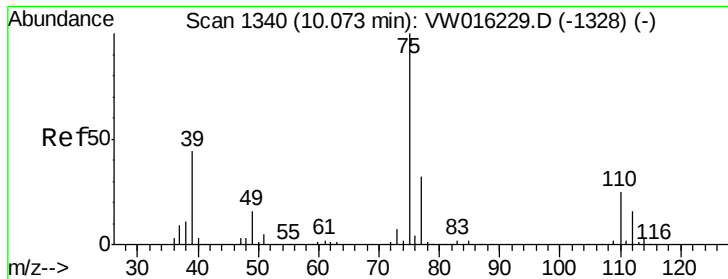
95 100

97 63.8 44.9 83.3

132 97.7 65.8 122.2

130 102.5 69.5 129.1





#42

cis-1,3-Dichloropropene

Concen: 0.458 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

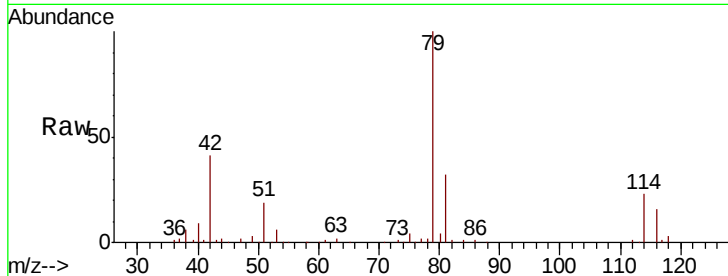
BFWQ5

Tot Ion: 75 Resp: 3069

Ion Ratio Lower Upper

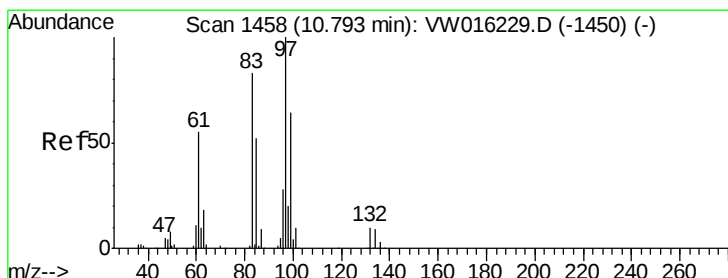
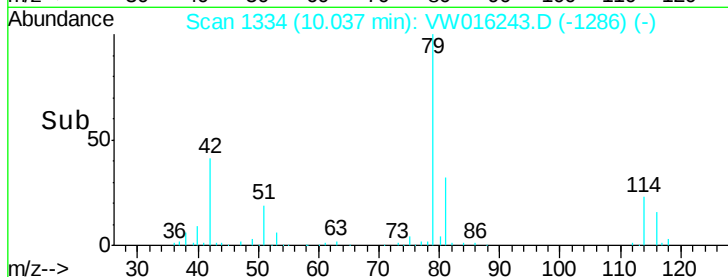
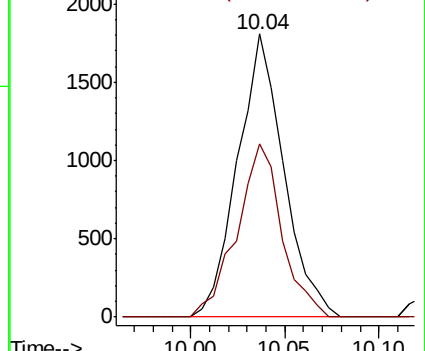
75 100

77 61.2 22.9 42.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 42.048 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.07 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

Tgt Ion: 97 Resp: 145615

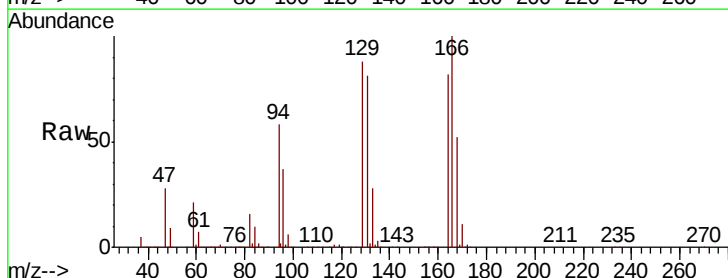
Ion Ratio Lower Upper

97 100

83 186.5 57.8 107.4#

85 31.0 38.0 70.6#

99 16.2 44.4 82.4#

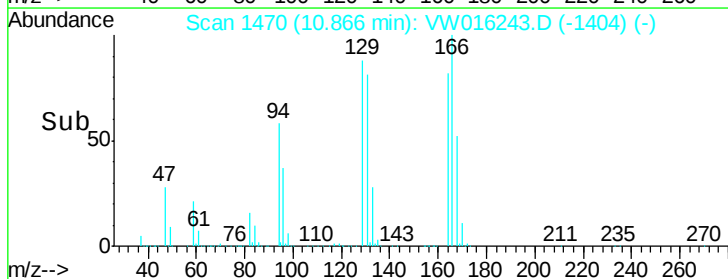
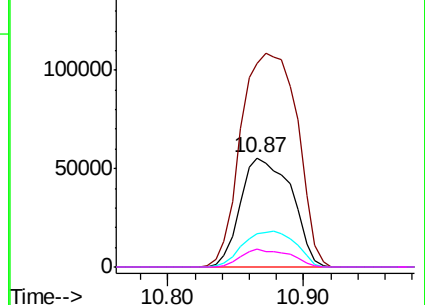


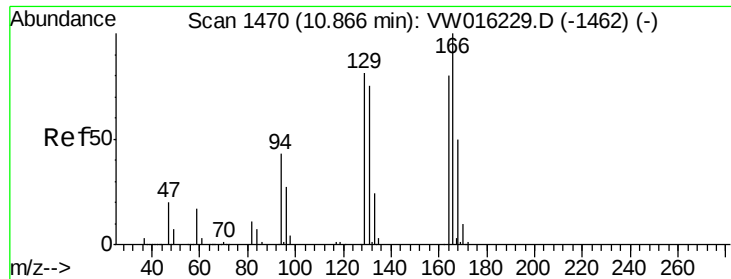
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

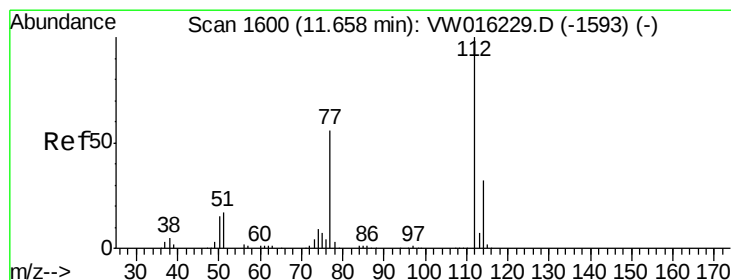
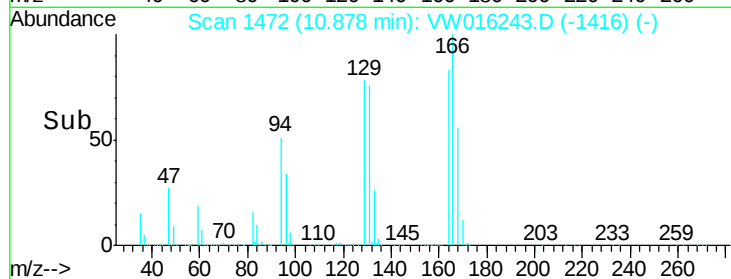
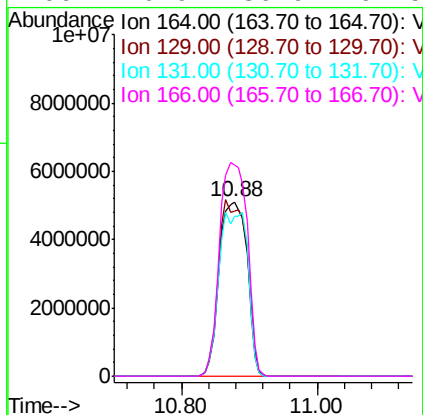
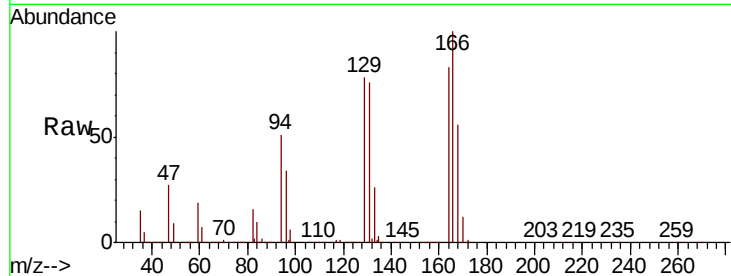




#47
Tetrachloroethene
Concen: 4024.161 ug/L
RT: 10.88 min Scan# 1472
Delta R.T. 0.01 min
Lab File: VW016243.D
Acq: 18 Aug 2020 16:21

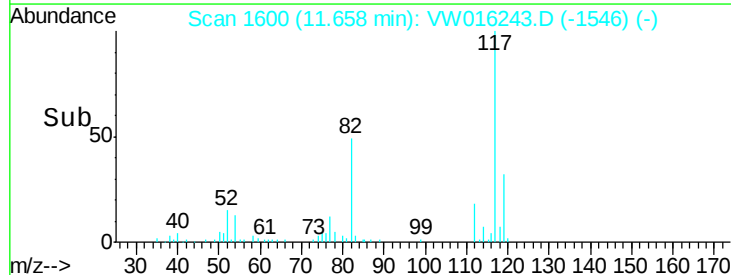
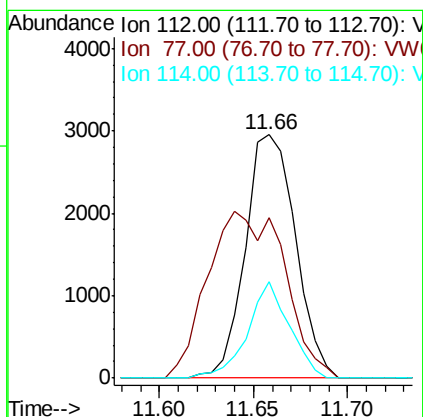
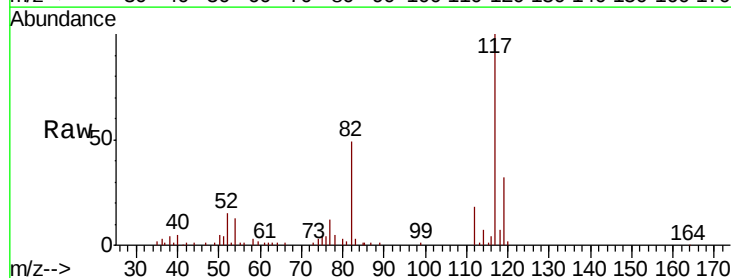
Instrument :
MSVOA_W
ClientSampleId :
BFWQ5

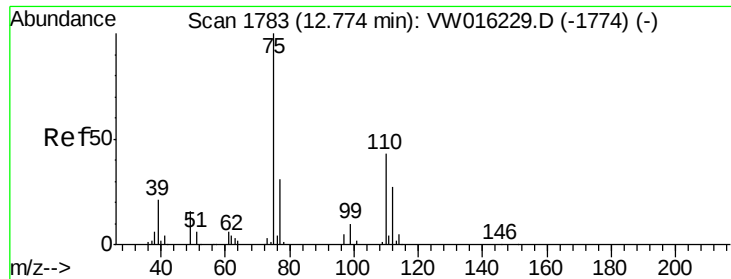
Tot Ion:164 Resp:14532399
Ion Ratio Lower Upper
164 100
129 94.4 71.5 132.9
131 91.5 65.4 121.4
166 120.9 86.9 161.5



#52
Chlorobenzene
Concen: 0.437 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016243.D
Acq: 18 Aug 2020 16:21

Tgt Ion:112 Resp: 5464
Ion Ratio Lower Upper
112 100
77 65.9 49.1 73.7
114 39.4 23.5 43.7





#59

1,2,3-Trichloropropane

Concen: 4.406 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016243.D

Acq: 18 Aug 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

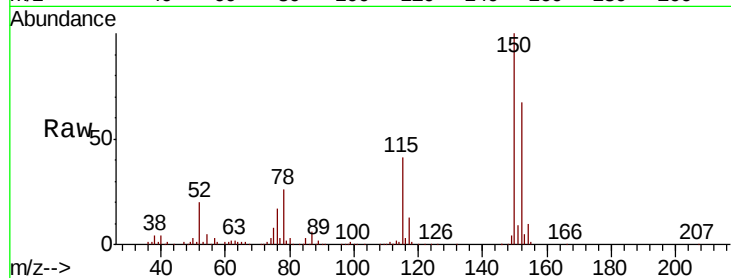
BFWQ5

Tot Ion: 75 Resp: 13488

Ion Ratio Lower Upper

75 100

77 37.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

