

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
 Data File : VW016926.D
 Acq On : 16 Oct 2020 14:30
 Operator : SY/VA
 Sample : L4382-14
 Misc : 5.51G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 17 00:44:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 17 00:37:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	625345	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	518724	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	218247	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128472	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.32%
7) Chloroethane-d5	2.89	69	112183	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	4.02	63	202357	15.45	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.80%
20) 2-Butanone-d5	7.08	46	59080	42.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.56%
24) Chloroform-d	7.65	84	306470	23.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.92%
26) 1,2-Dichloroethane-d4	8.31	65	149238	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.68%
29) Benzene-d6	8.27	84	624028	26.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.96%
33) 1,2-Dichloropropane-d6	9.27	67	174092	27.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.00%
37) Toluene-d8	10.32	98	577983	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.00%
38) trans-1,3-Dichloropropene-	10.58	79	66604	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.40%
39) 2-Hexanone-d5	10.93	63	46943	47.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119186	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	169846	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

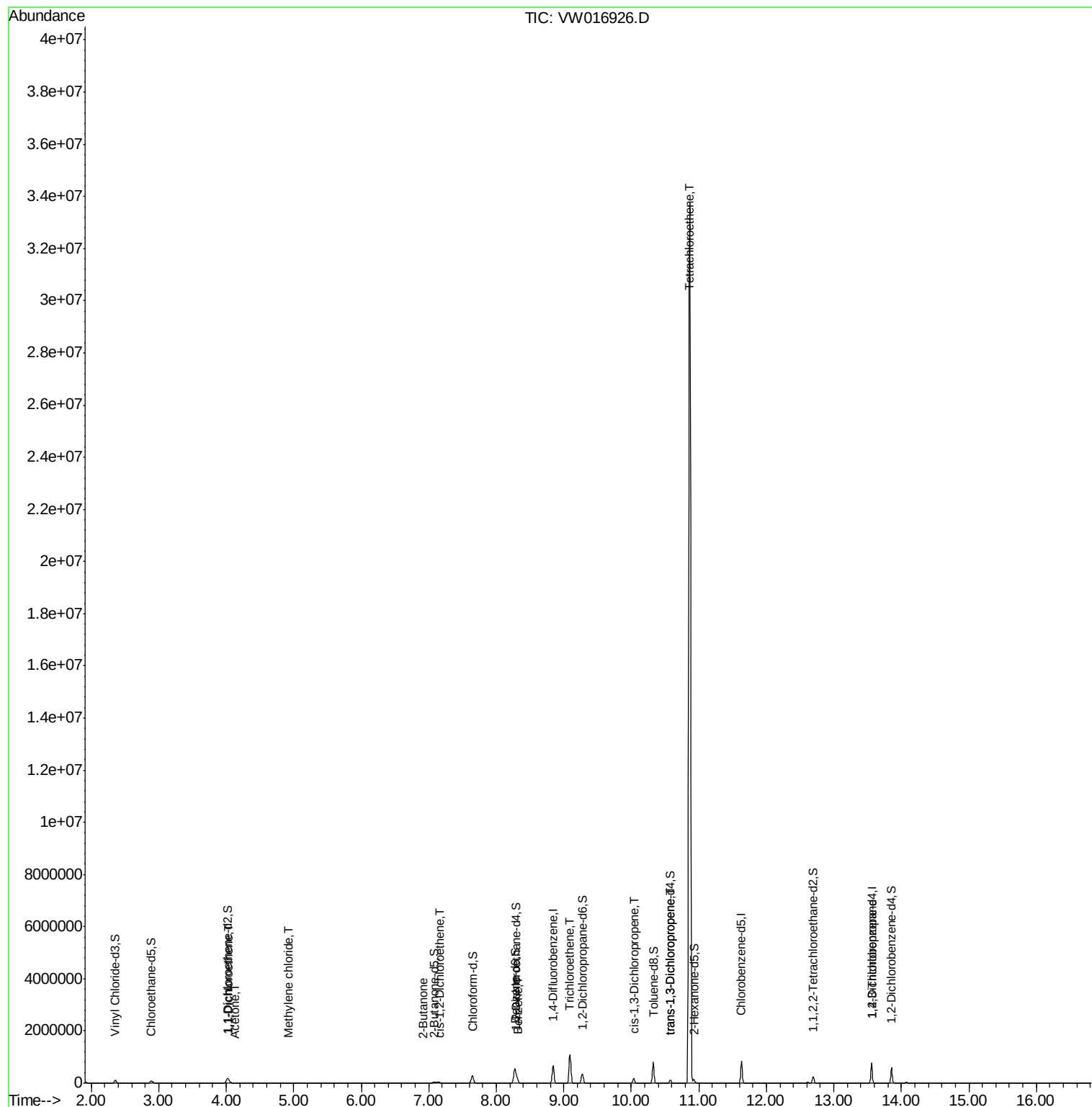
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	3880	0.480	ug/L #	1
13) Acetone	4.12	43	14940	14.129	ug/L	98
16) Methylene chloride	4.91	84	17241	1.998	ug/L	93
21) 2-Butanone	6.91	43	1555	0.876	ug/L	90
22) cis-1,2-Dichloroethene	7.17	96	4433	0.514	ug/L	90
34) Benzene	8.32	78	16393	0.588	ug/L	100
35) Trichloroethene	9.09	95	383715	48.698	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	5176	0.515	ug/L	88
45) trans-1,3-Dichloropropene	10.58	75	3354	0.397	ug/L #	74
47) Tetrachloroethene	10.87	164	8775673	1201.311	ug/L	96
59) 1,2,3-Trichloropropane	13.56	75	22911	5.589	ug/L	93

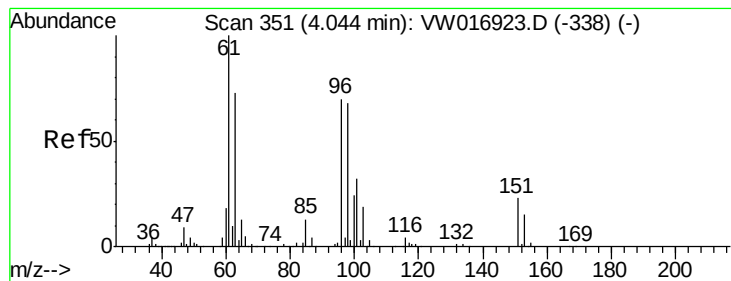
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 17 00:37:07 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.480 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016926.D

Acq: 16 Oct 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

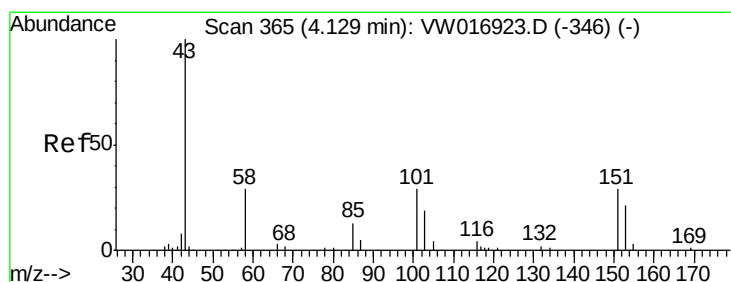
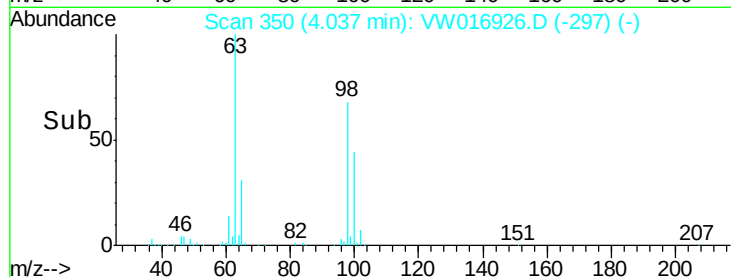
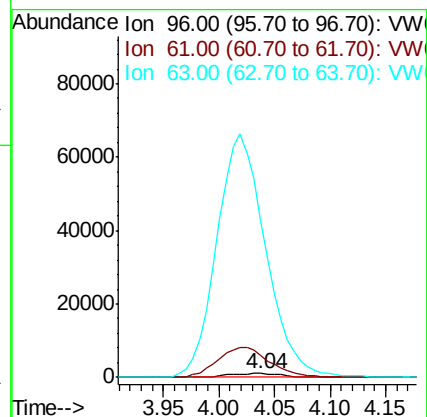
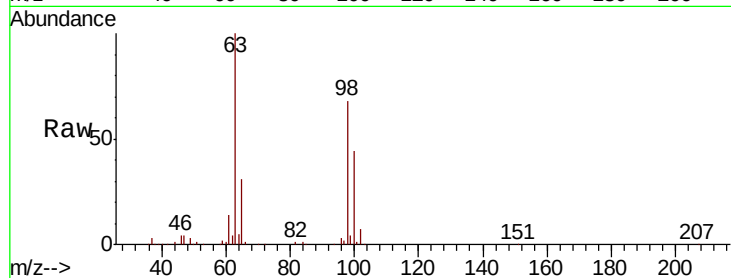
Tot Ion: 96 Resp: 3880

Ion Ratio Lower Upper

96 100

61 545.9 105.1 195.1#

63 3778.9 69.9 129.7#



#13

Acetone

Concen: 14.129 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016926.D

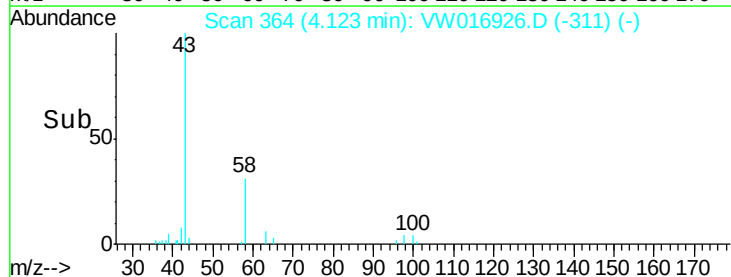
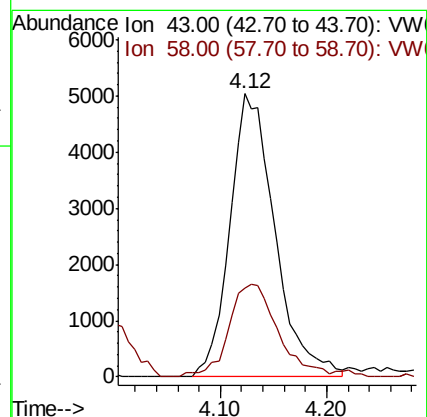
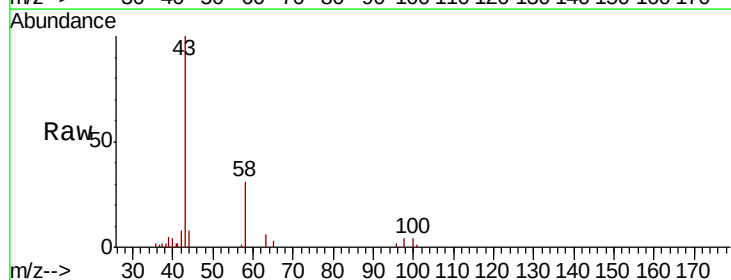
Acq: 16 Oct 2020 14:30

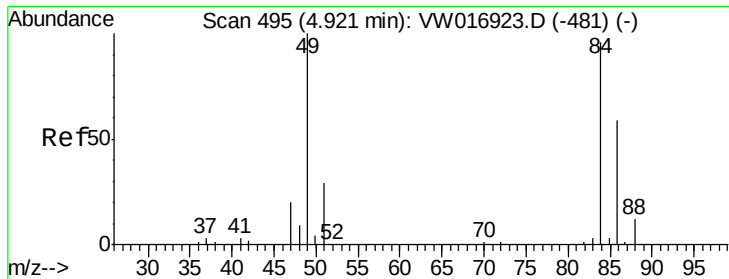
Tgt Ion: 43 Resp: 14940

Ion Ratio Lower Upper

43 100

58 34.9 0.0 67.6

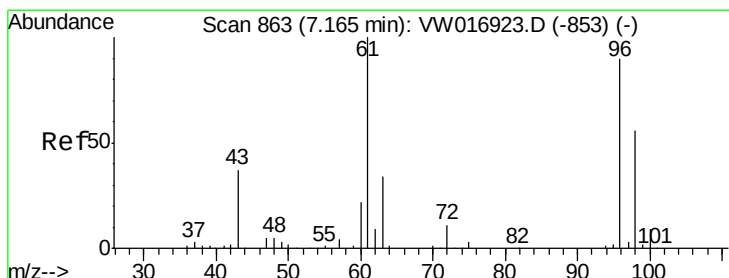
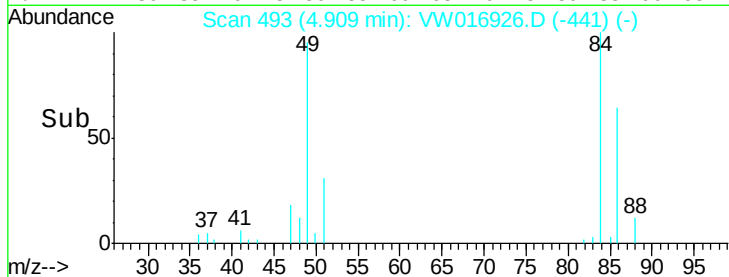
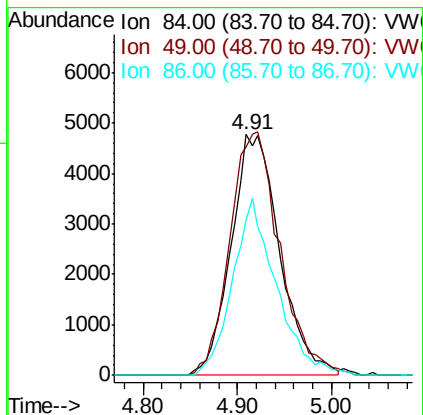
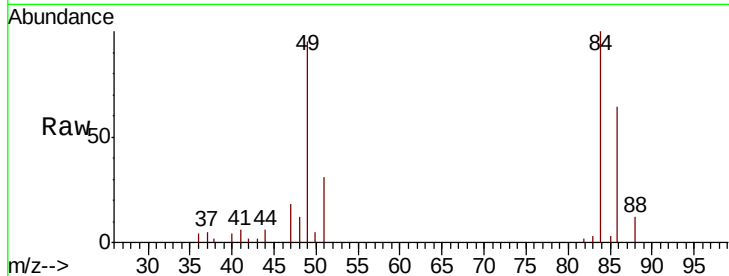




#16
Methylene chloride
Concen: 1.998 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016926.D
Acq: 16 Oct 2020 14:30

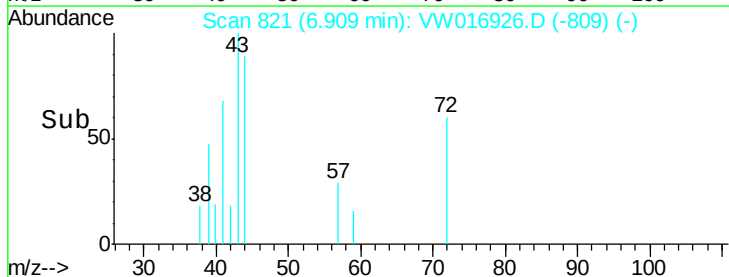
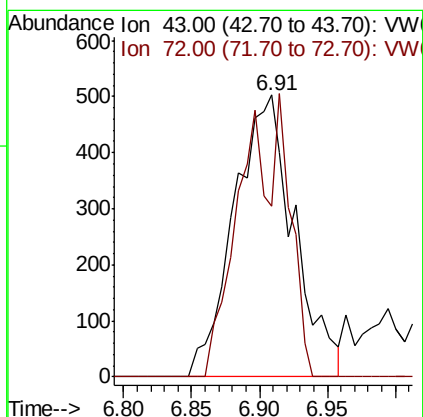
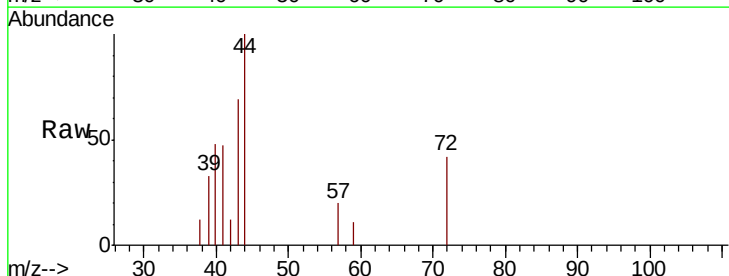
Instrument :
MSVOA_W
ClientSampleId :

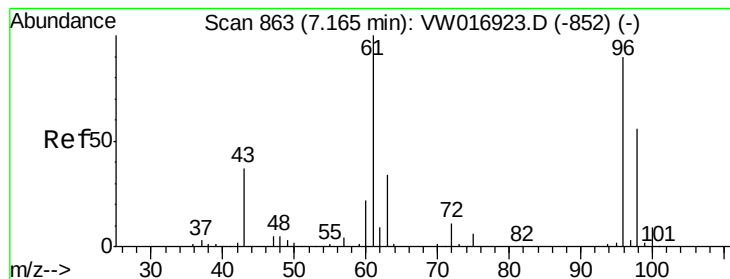
Tot Ion: 84 Resp: 17241
Ion Ratio Lower Upper
84 100
49 94.6 73.1 135.8
86 64.3 46.0 85.4



#21
2-Butanone
Concen: 0.876 ug/L
RT: 6.91 min Scan# 821
Delta R.T. -0.26 min
Lab File: VW016926.D
Acq: 16 Oct 2020 14:30

Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
72 26.4 16.2 48.5





#22

cis-1,2-Dichloroethene

Concen: 0.514 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016926.D

Acq: 16 Oct 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

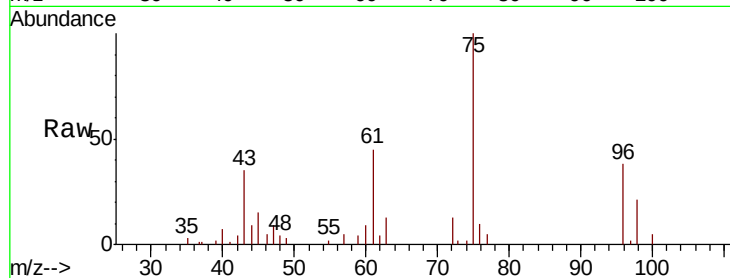
Tot Ion: 96 Resp: 4433

Ion Ratio Lower Upper

96 100

61 119.4 76.0 141.2

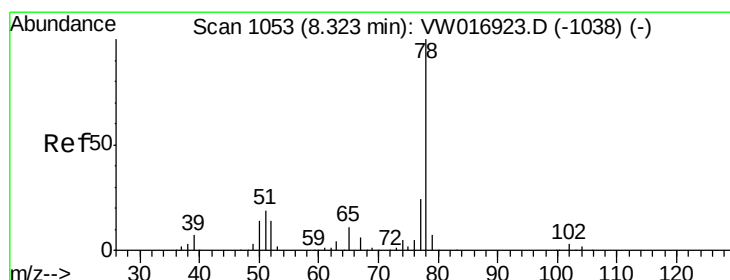
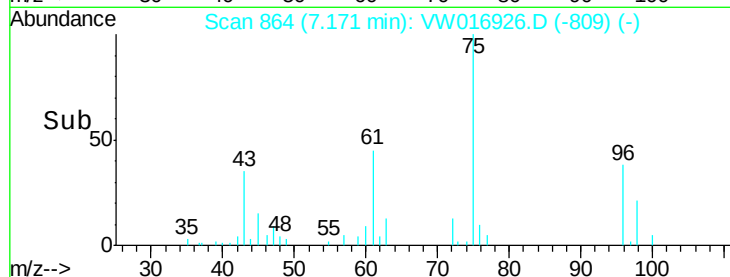
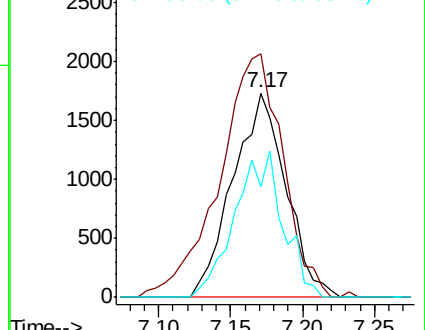
98 54.4 42.7 79.3



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: 0.588 ug/L

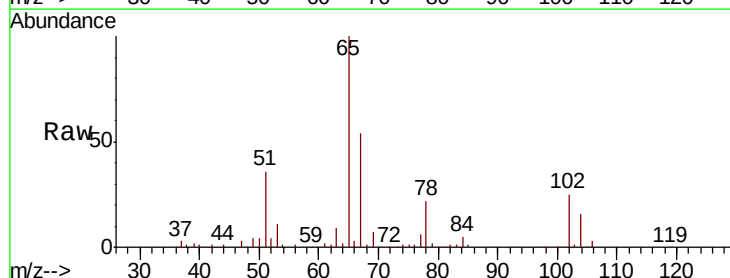
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

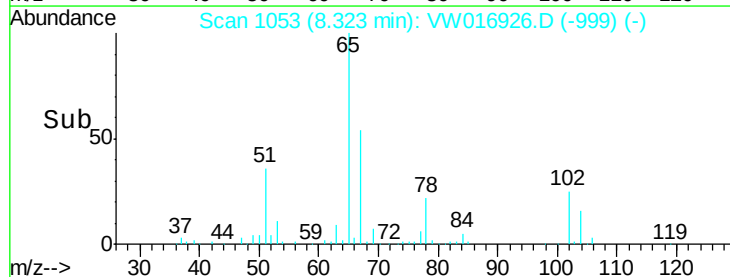
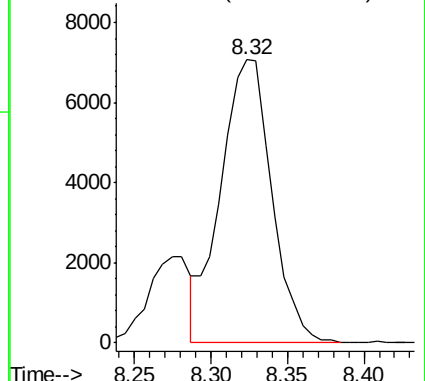
Lab File: VW016926.D

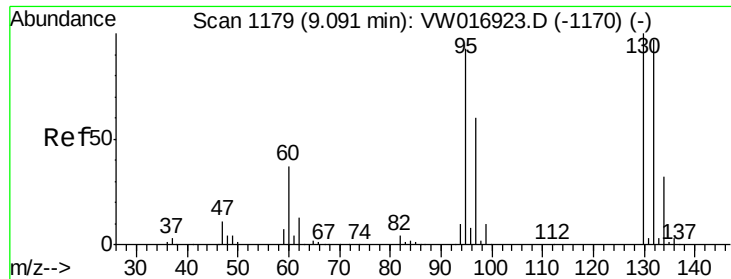
Acq: 16 Oct 2020 14:30

Tgt Ion: 78 Resp: 16393



Abundance Ion 78.00 (77.70 to 78.70): VW

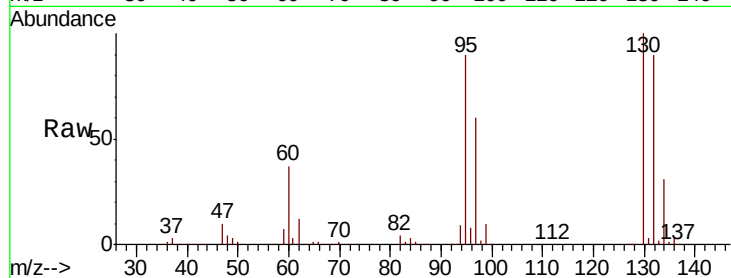




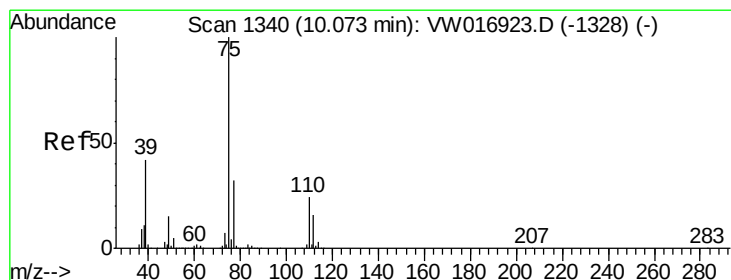
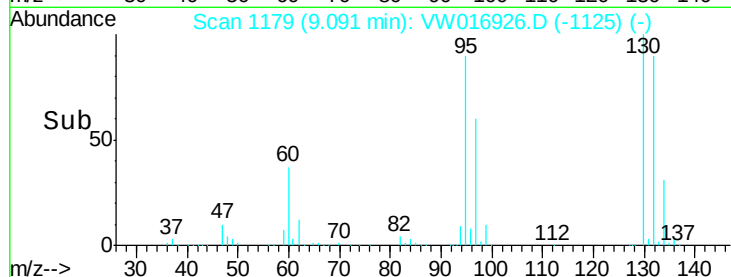
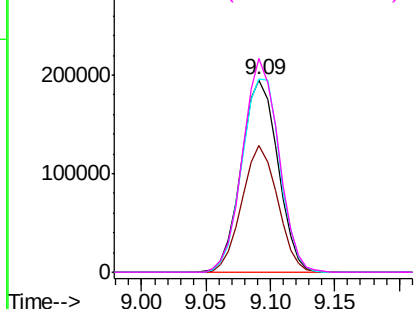
#35
 Trichloroethene
 Concen: 48.698 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016926.D
 Acq: 16 Oct 2020 14:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 383715
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.7 83.1
 132 104.2 73.8 137.2
 130 108.6 77.1 143.3

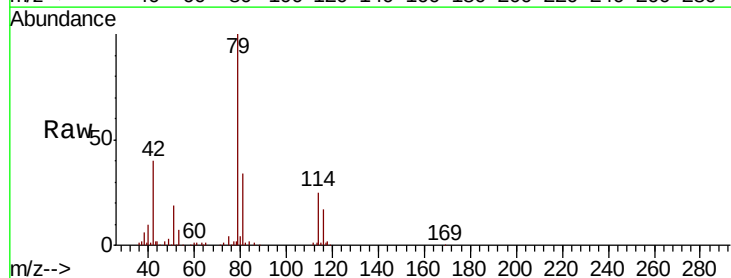


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

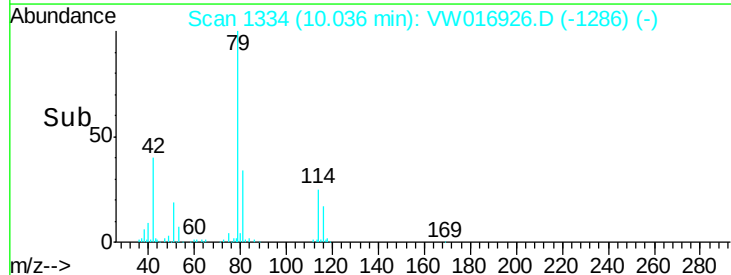
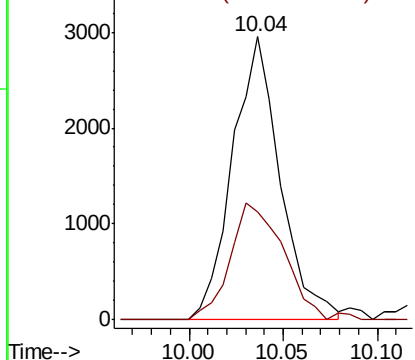


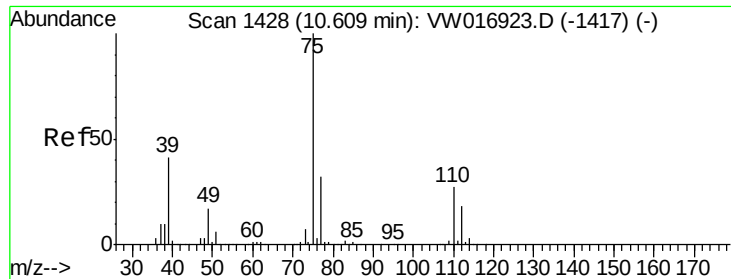
#42
 cis-1,3-Dichloropropene
 Concen: 0.515 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016926.D
 Acq: 16 Oct 2020 14:30

Tgt Ion: 75 Resp: 5176
 Ion Ratio Lower Upper
 75 100
 77 38.2 22.1 41.1



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





#45

trans-1,3-Dichloropropene

Concen: 0.397 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016926.D

Acq: 16 Oct 2020 14:30

Instrument :

MSVOA_W

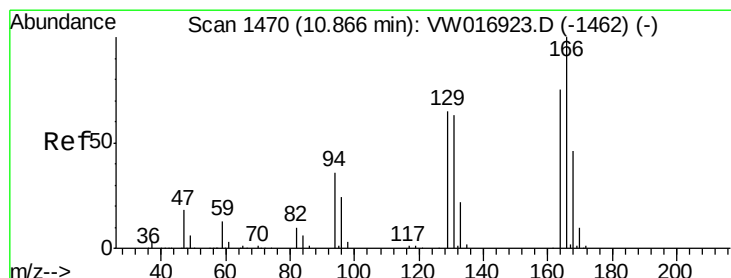
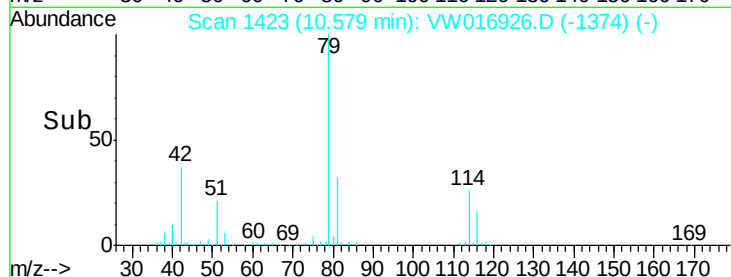
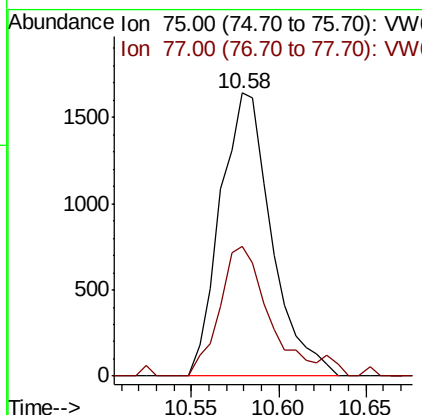
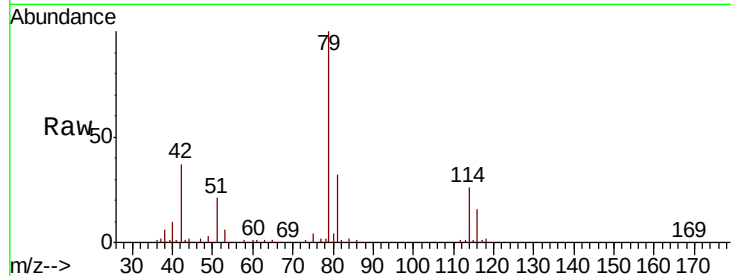
ClientSampleId :

Tot Ion: 75 Resp: 3354

Ion Ratio Lower Upper

75 100

77 46.0 22.2 41.2#



#47

Tetrachloroethene

Concen: 1201.311 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016926.D

Acq: 16 Oct 2020 14:30

Tgt Ion:164 Resp: 8775673

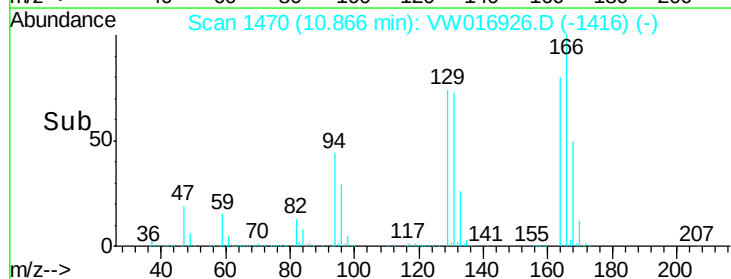
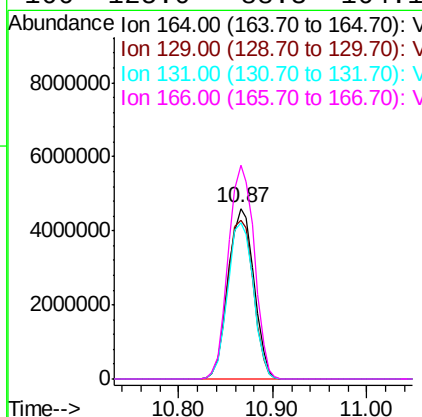
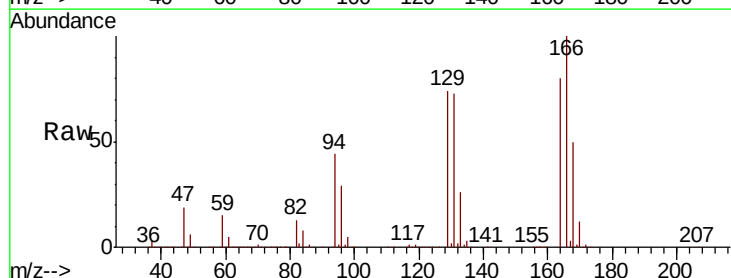
Ion Ratio Lower Upper

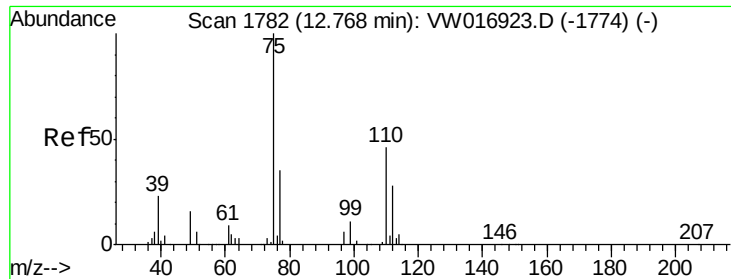
164 100

129 92.8 61.7 114.7

131 91.6 59.7 110.9

166 125.0 88.3 164.1





#59

1,2,3-Trichloropropane

Concen: 5.589 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016926.D

Acq: 16 Oct 2020 14:30

Instrument :

MSVOA_W

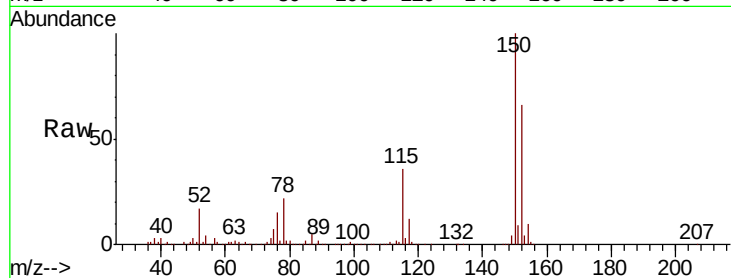
ClientSampleId :

Tot Ion: 75 Resp: 22911

Ion Ratio Lower Upper

75 100

77 36.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

