

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016085.D
 Acq On : 07 Aug 2020 21:21
 Operator : SY/VA
 Sample : L3579-08
 Misc : 6.26G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 08 05:11:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 05:08:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	294350	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	257871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	96970	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	63183	15.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.84%
7) Chloroethane-d5	2.89	69	55094	16.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.32%
10) 1,1-Dichloroethene-d2	4.01	63	103700	12.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.40%
20) 2-Butanone-d5	7.08	46	41898	38.40	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.80%
24) Chloroform-d	7.65	84	165503	20.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.08%
26) 1,2-Dichloroethane-d4	8.31	65	86645	19.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.36%
29) Benzene-d6	8.27	84	318664	20.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.20%
33) 1,2-Dichloropropane-d6	9.28	67	97739	20.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.08%
37) Toluene-d8	10.32	98	274276	19.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.16%
38) trans-1,3-Dichloropropene-	10.58	79	35869	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.52%
39) 2-Hexanone-d5	10.93	63	34041	43.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77715	21.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	84146	22.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.00%

Target Compounds

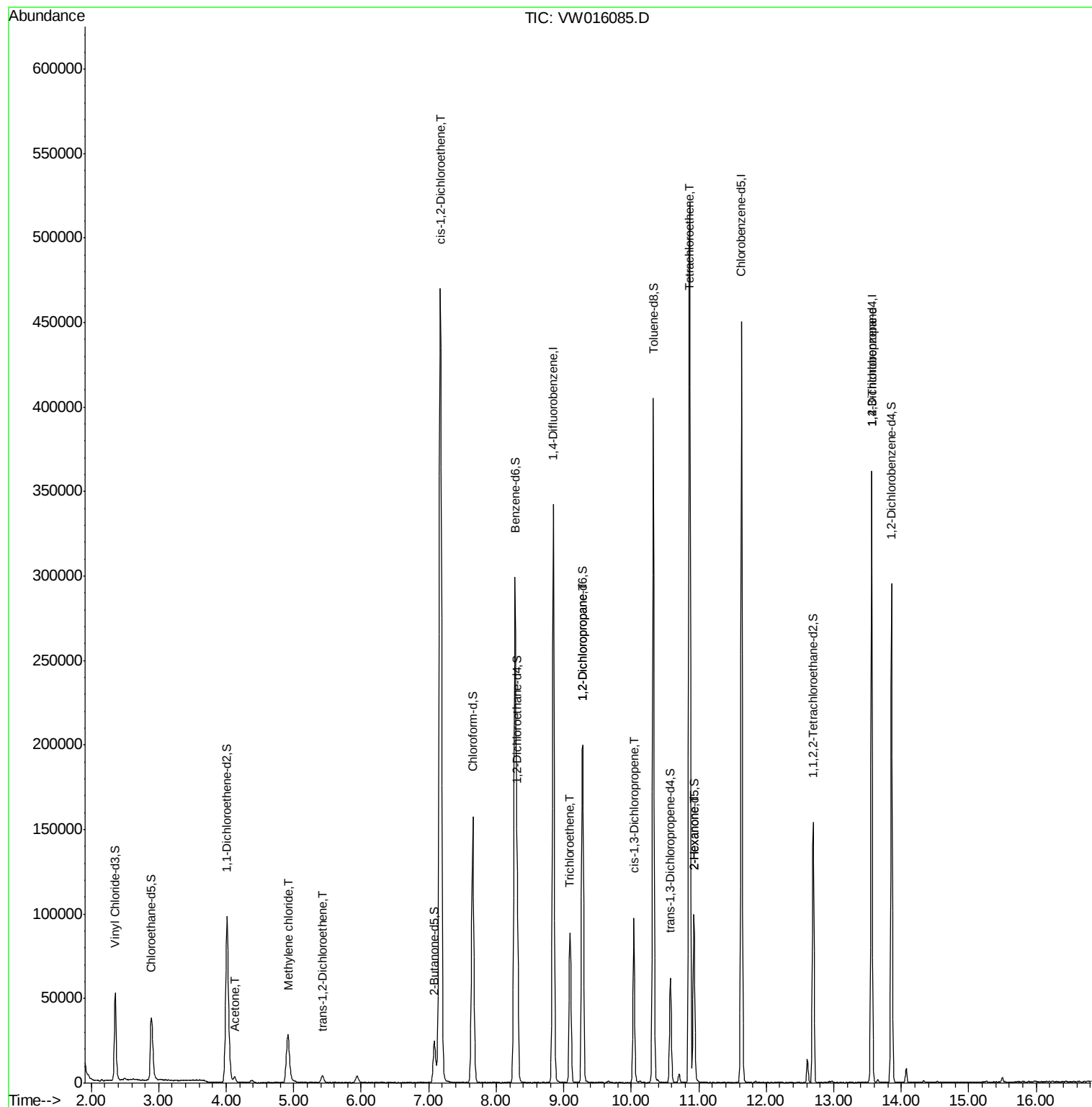
					Ovalue
13) Acetone	4.12	43	5331	5.818	ug/L 96
16) Methylene chloride	4.92	84	24703	5.122	ug/L 88
18) trans-1,2-Dichloroethene	5.43	96	2850	0.713	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	295099	70.590	ug/L 92
35) Trichloroethene	9.09	95	31915	7.703	ug/L 93
40) 1,2-Dichloropropane	9.27	63	10774	2.777	ug/L # 88
42) cis-1,3-Dichloropropene	10.04	75	2344	0.397	ug/L # 55
47) Tetrachloroethene	10.87	164	130433	40.559	ug/L 93
49) 2-Hexanone	10.93	43	4258	2.649	ug/L # 69
59) 1,2,3-Trichloropropane	13.56	75	10080	4.106	ug/L 89

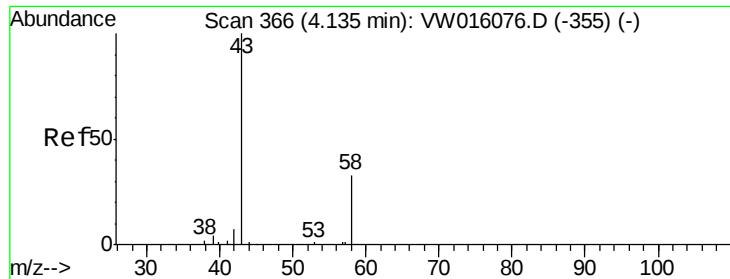
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 08 05:08:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.818 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016085.D

Acq: 07 Aug 2020 21:21

Instrument :

MSVOA_W

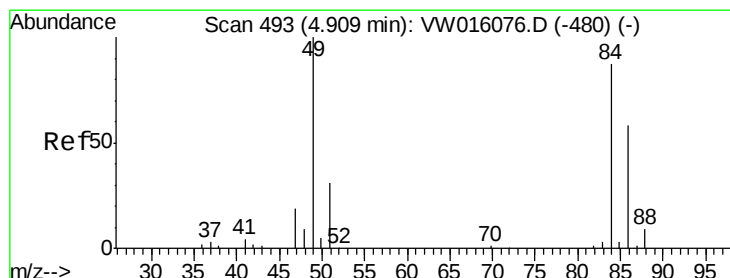
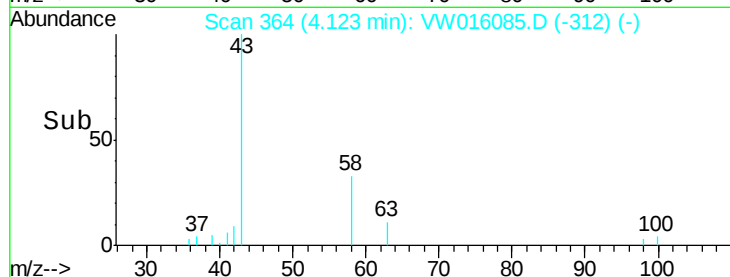
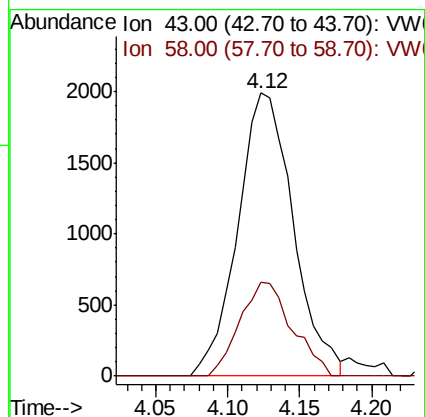
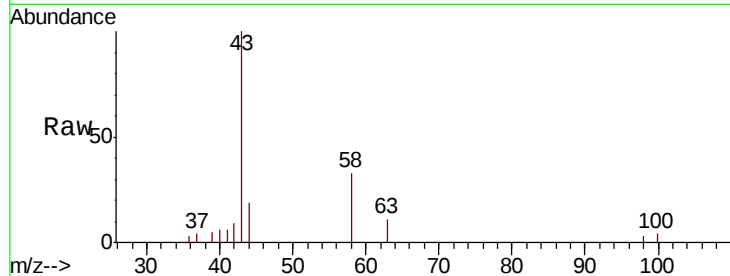
ClientSampleId :

Tot Ion: 43 Resp: 5331

Ion Ratio Lower Upper

43 100

58 31.3 0.0 58.2



#16

Methylene chloride

Concen: 5.122 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW016085.D

Acq: 07 Aug 2020 21:21

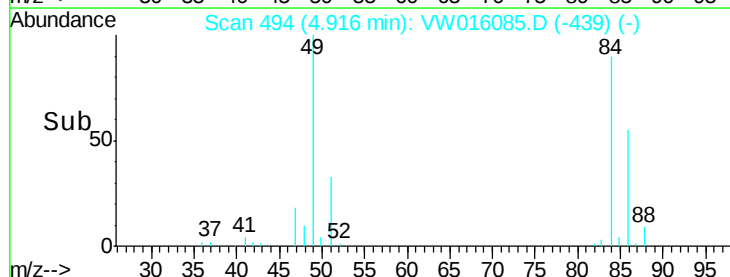
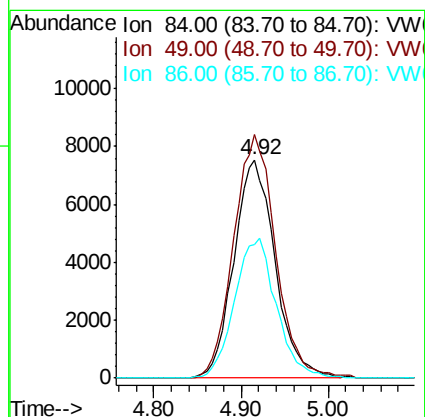
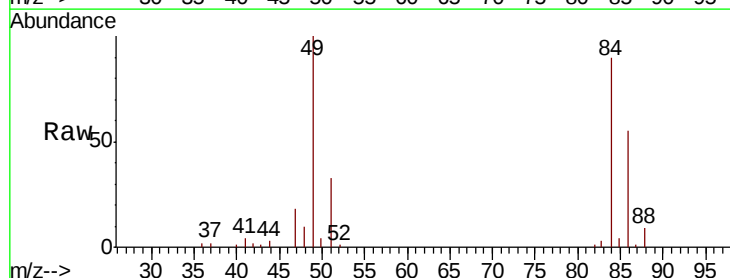
Tgt Ion: 84 Resp: 24703

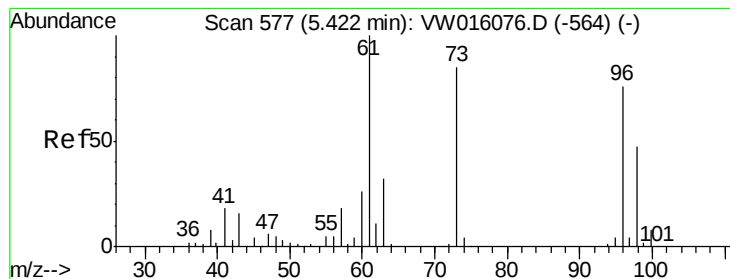
Ion Ratio Lower Upper

84 100

49 111.5 91.1 169.1

86 61.4 46.0 85.4





#18

trans-1,2-Dichloroethene

Concen: 0.713 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016085.D

Acq: 07 Aug 2020 21:21

Instrument :

MSVOA_W

ClientSampleId :

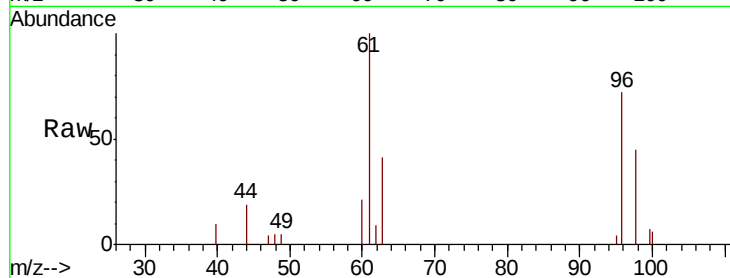
Tot Ion: 96 Resp: 2850

Ion Ratio Lower Upper

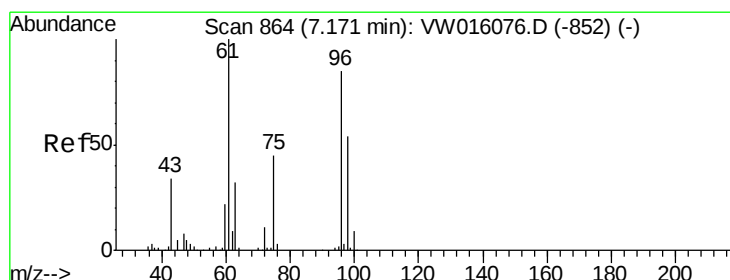
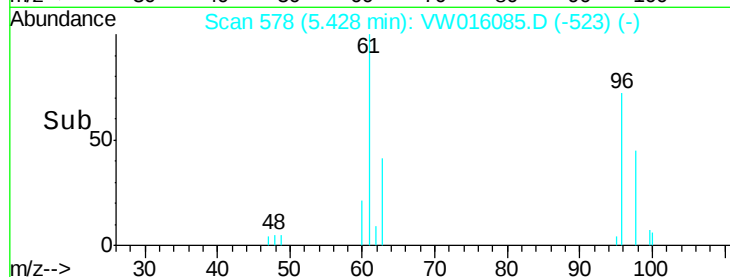
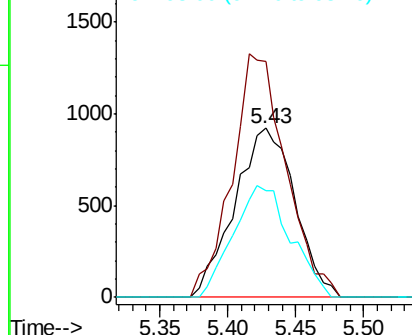
96 100

61 139.4 99.3 184.5

98 63.3 42.9 79.7



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



#22

cis-1,2-Dichloroethene

Concen: 70.590 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016085.D

Acq: 07 Aug 2020 21:21

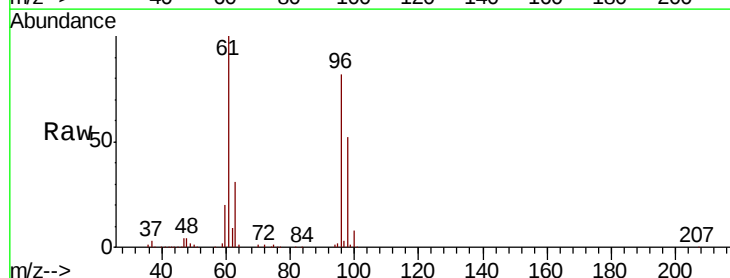
Tgt Ion: 96 Resp: 295099

Ion Ratio Lower Upper

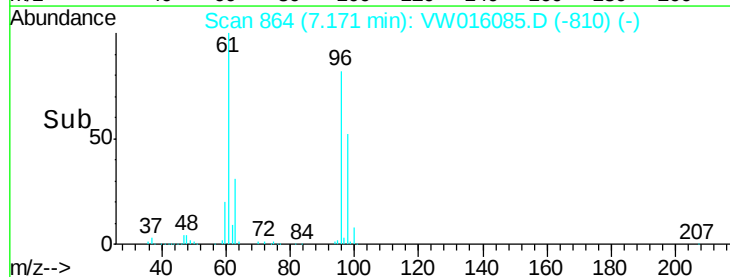
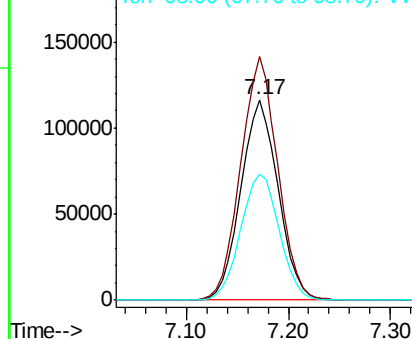
96 100

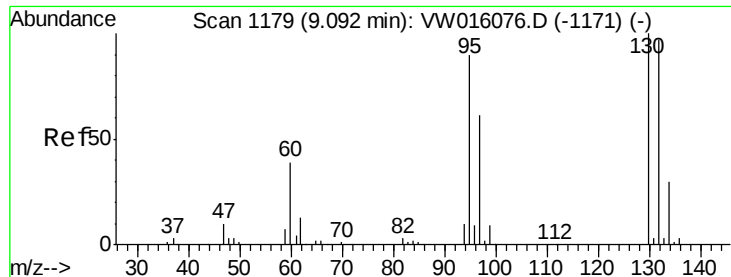
61 121.6 94.6 175.8

98 62.9 44.3 82.3



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

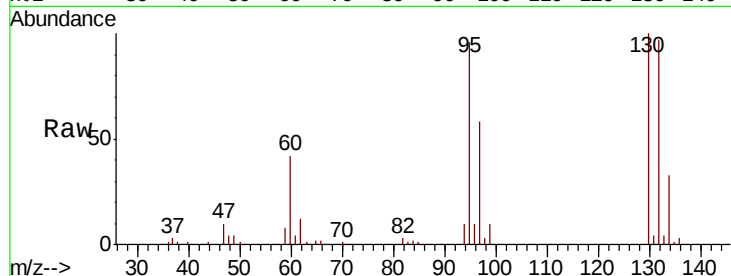




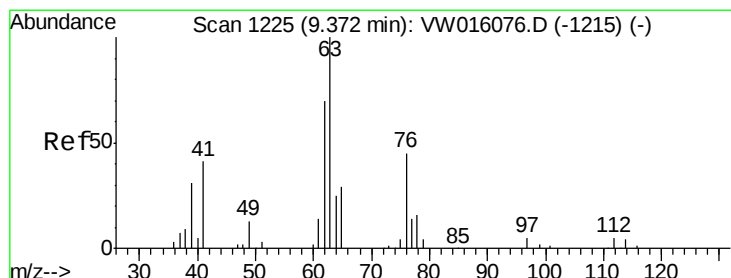
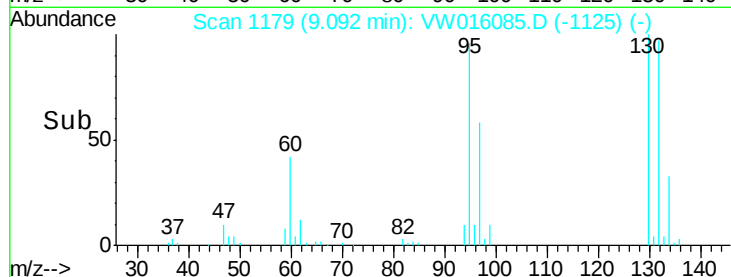
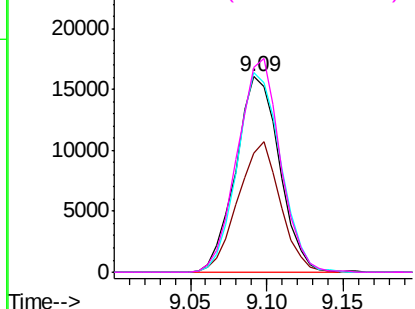
#35
 Trichloroethene
 Concen: 7.703 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016085.D
 Acq: 07 Aug 2020 21:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 31915
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.4 82.4
 132 101.4 65.1 120.9
 130 107.2 68.6 127.4

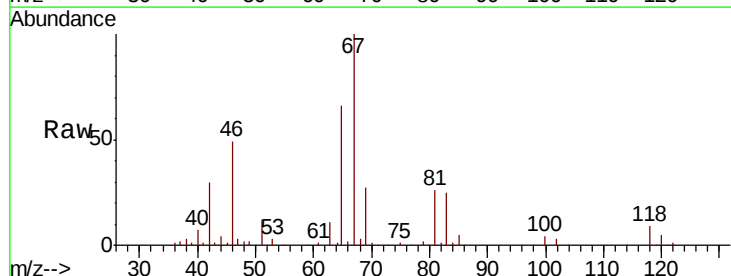


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

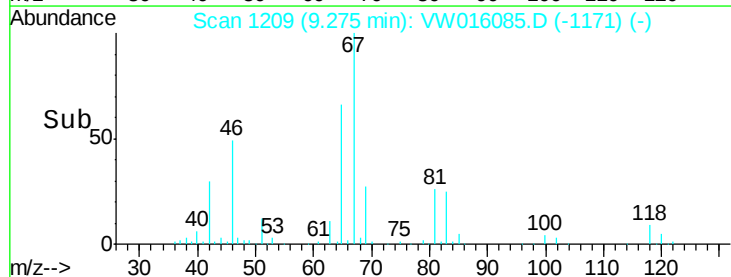
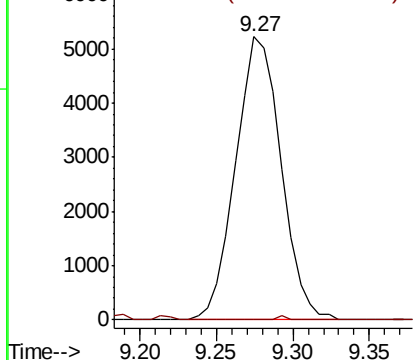


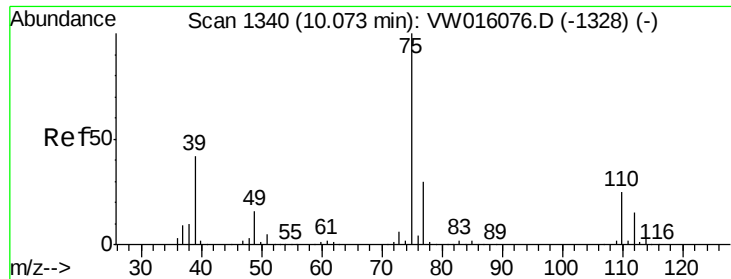
#40
 1,2-Dichloropropane
 Concen: 2.777 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016085.D
 Acq: 07 Aug 2020 21:21

Tgt Ion: 63 Resp: 10774
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 112.00 (111.70 to 112.70): V

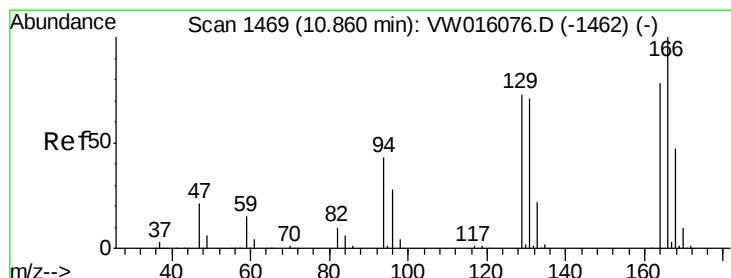
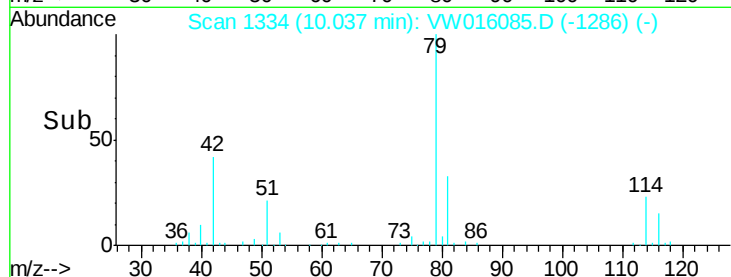
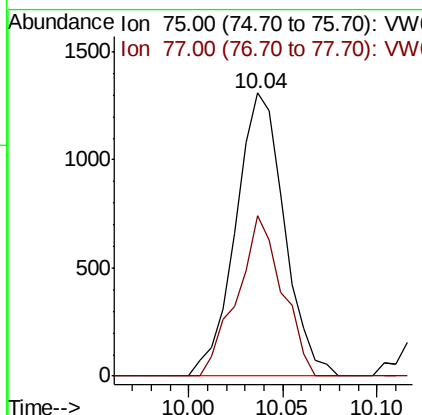
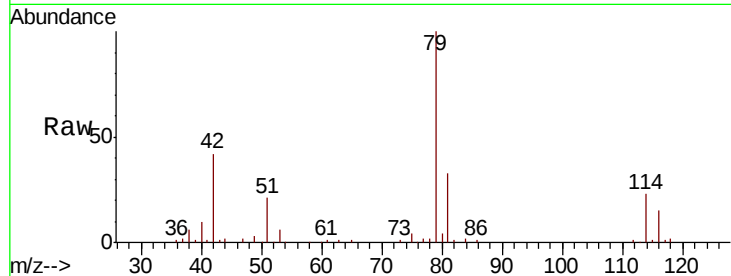




#42
 cis-1,3-Dichloropropene
 Concen: 0.397 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016085.D
 Acq: 07 Aug 2020 21:21

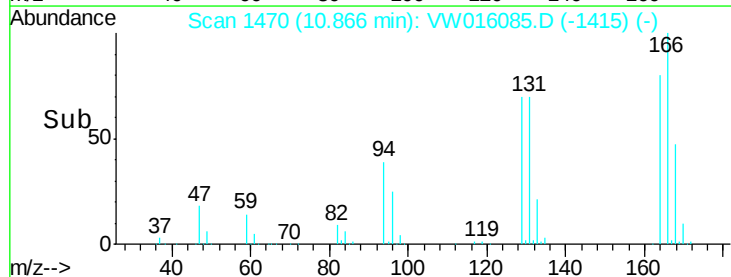
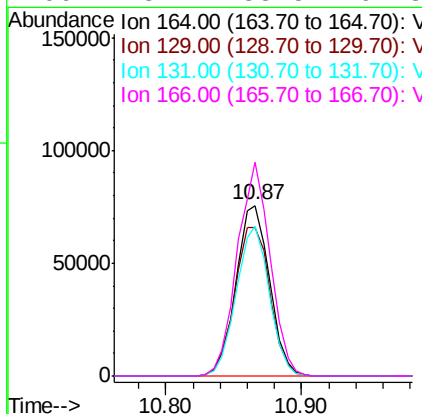
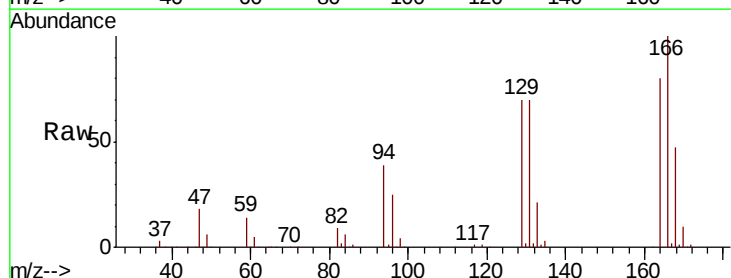
Instrument :
 MSVOA_W
 ClientSampled :

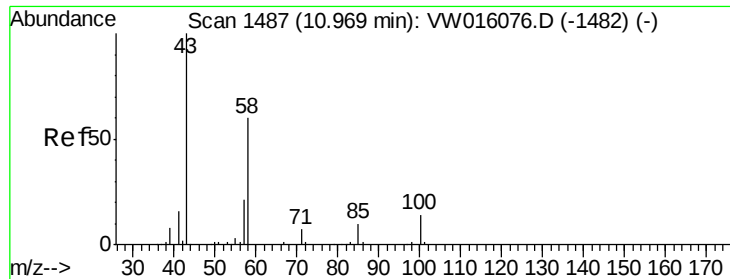
Tot Ion: 75 Resp: 2344
 Ion Ratio Lower Upper
 75 100
 77 56.8 22.2 41.2#



#47
 Tetrachloroethene
 Concen: 40.559 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW016085.D
 Acq: 07 Aug 2020 21:21

Tgt Ion:164 Resp: 130433
 Ion Ratio Lower Upper
 164 100
 129 87.1 70.0 130.0
 131 87.6 67.3 124.9
 166 125.2 88.5 164.3





#49

2-Hexanone

Concen: 2.649 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016085.D

Acq: 07 Aug 2020 21:21

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 4258

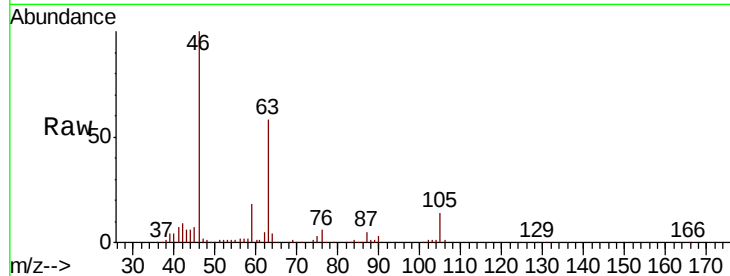
Ion Ratio Lower Upper

43 100

58 28.6 42.4 63.6#

57 28.4 15.6 23.4#

100 0.0 9.8 14.6#

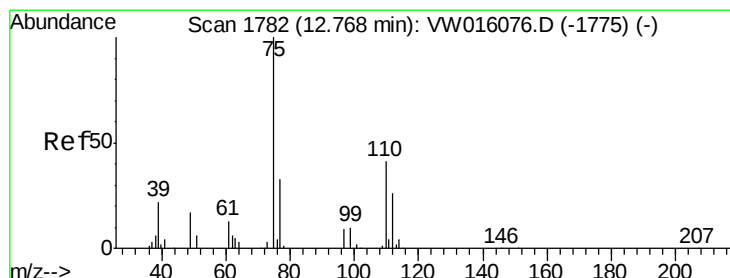
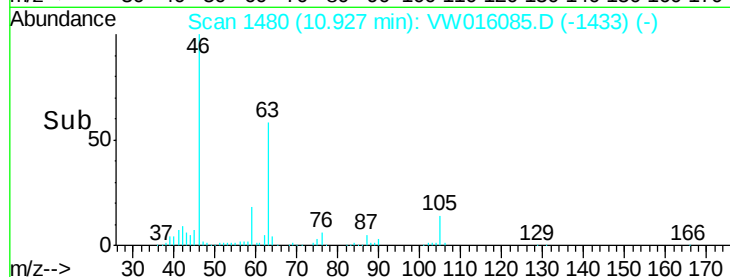
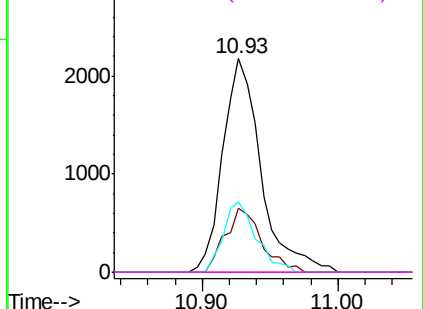


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.106 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016085.D

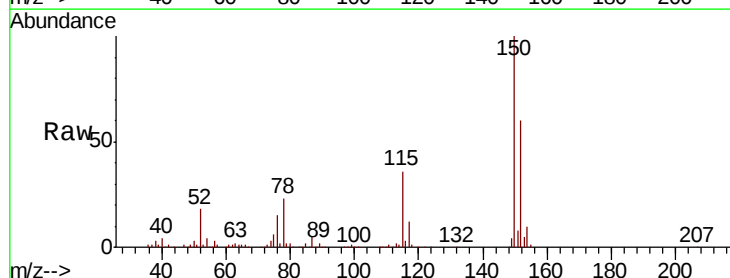
Acq: 07 Aug 2020 21:21

Tgt Ion: 75 Resp: 10080

Ion Ratio Lower Upper

75 100

77 38.8 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

