

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017281.D
 Acq On : 17 Nov 2020 13:13
 Operator : SY/VA
 Sample : L4710-03RE
 Misc : 5.06G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AW8

Quant Time: Nov 18 02:16:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 02:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	126341	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	99348	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	28297	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	33253	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.60%
7) Chloroethane-d5	2.89	69	30975	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
10) 1,1-Dichloroethene-d2	4.02	63	49652	17.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.76%
20) 2-Butanone-d5	7.09	46	11174	31.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.80%
24) Chloroform-d	7.65	84	72833	24.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	8.31	65	35274	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
29) Benzene-d6	8.28	84	134519	26.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.36%
33) 1,2-Dichloropropane-d6	9.28	67	37148	26.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.20%
37) Toluene-d8	10.33	98	118221	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.12%
38) trans-1,3-Dichloropropene-	10.58	79	12603	19.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.92%
39) 2-Hexanone-d5	10.93	63	7522	30.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	23413	19.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	23573	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

Target Compounds

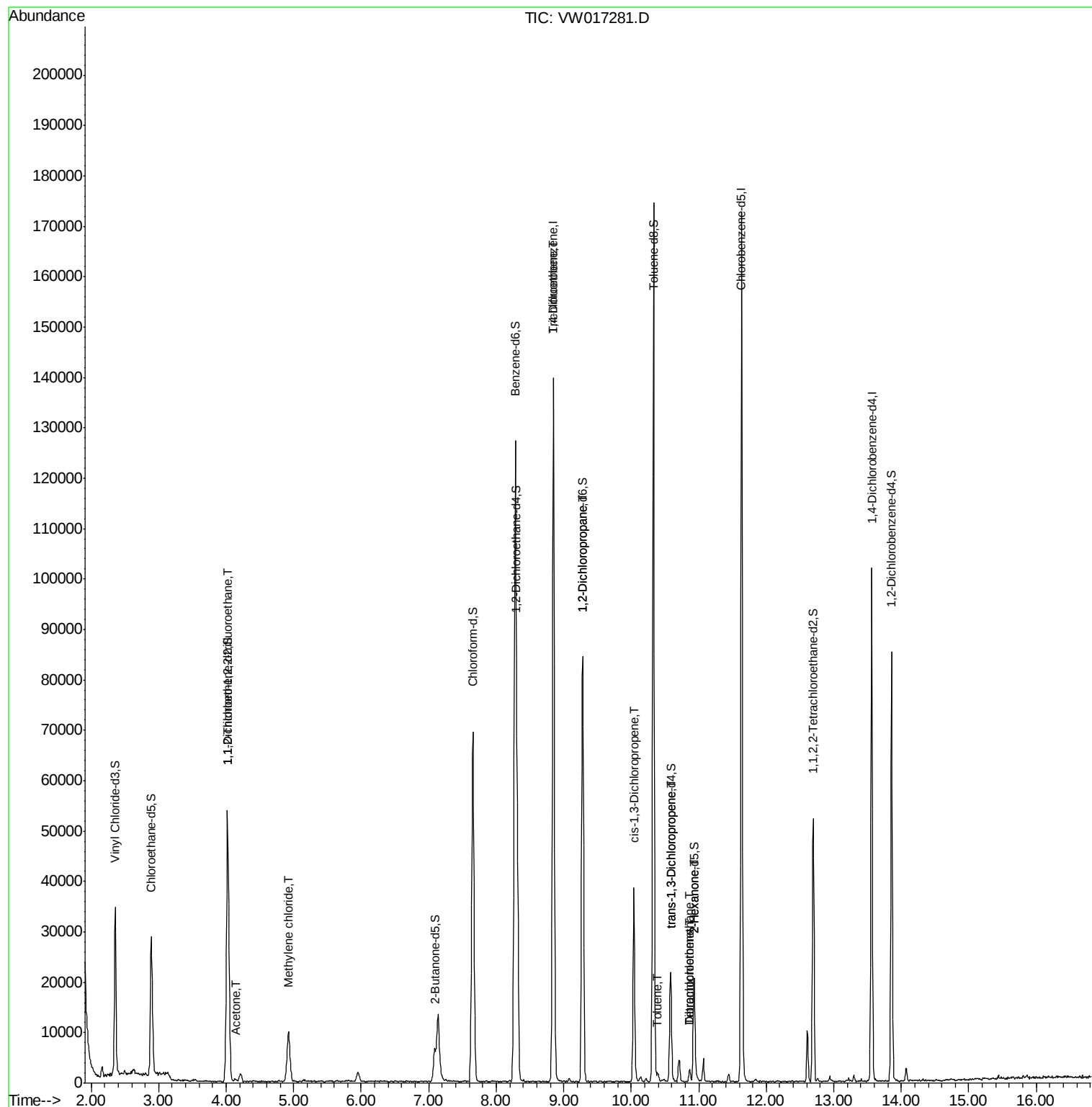
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	461	0.283	ug/L #	17
13) Acetone	4.14	43	441	1.851	ug/L	52
16) Methylene chloride	4.93	84	8089	4.749	ug/L	90
35) Trichloroethene	8.84	95	3614	2.473	ug/L #	2
40) 1,2-Dichloropropane	9.28	63	4253	3.488	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	1004	0.520	ug/L #	40
44) Toluene	10.38	91	1470	0.256	ug/L	81
45) trans-1,3-Dichloropropene	10.58	75	631	0.380	ug/L #	74
47) Tetrachloroethene	10.87	164	557	0.422	ug/L	84
49) 2-Hexanone	10.94	43	1438	3.170	ug/L #	46
50) Dibromochloromethane	10.86	129	461	0.360	ug/L #	11

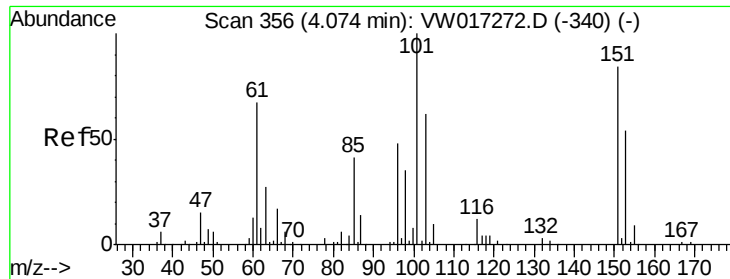
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\
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Operator : SY/VA
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Quant Title : VOC Analysis
QLast Update : Wed Nov 18 02:13:37 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.283 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017281.D

Acq: 17 Nov 2020 13:13

Instrument :

MSVOA_W

ClientSampled :

C0AW8

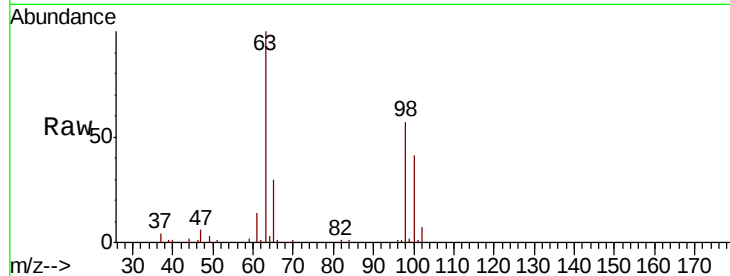
Tot Ion:101 Resp: 461

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#

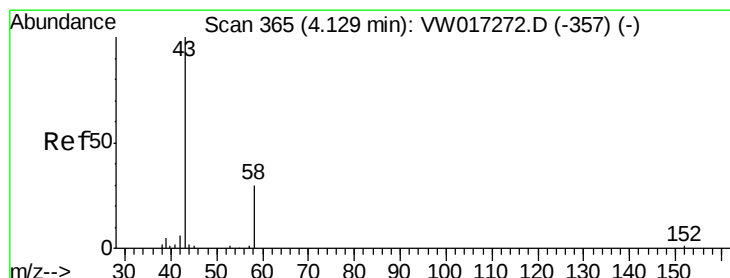
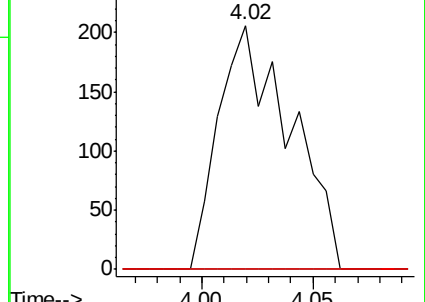
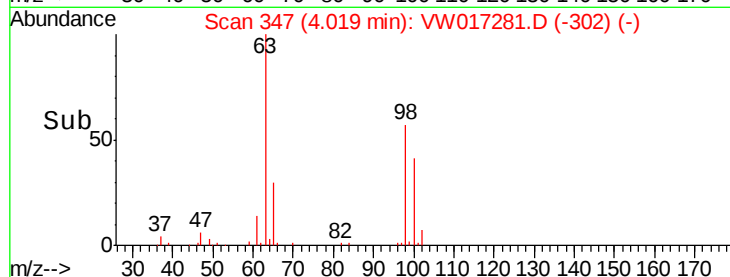


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

Time-->



#13

Acetone

Concen: 1.851 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017281.D

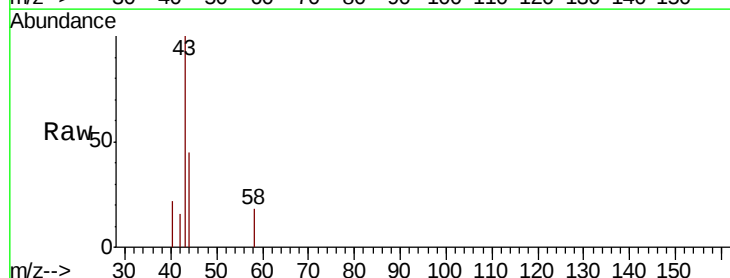
Acq: 17 Nov 2020 13:13

Tgt Ion: 43 Resp: 441

Ion Ratio Lower Upper

43 100

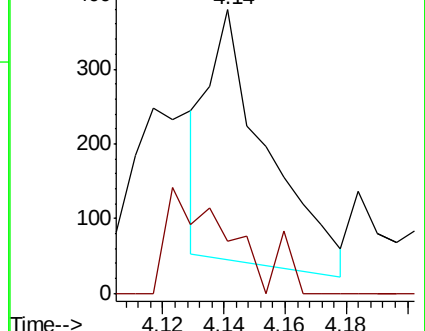
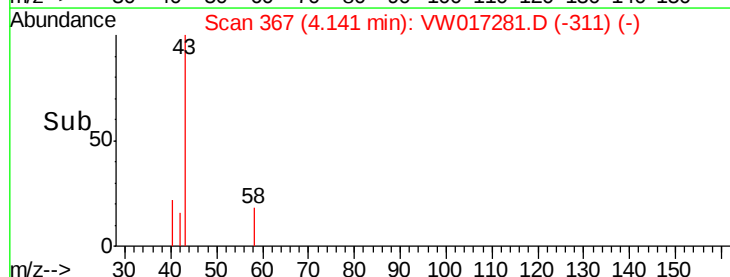
58 6.8 0.0 69.2

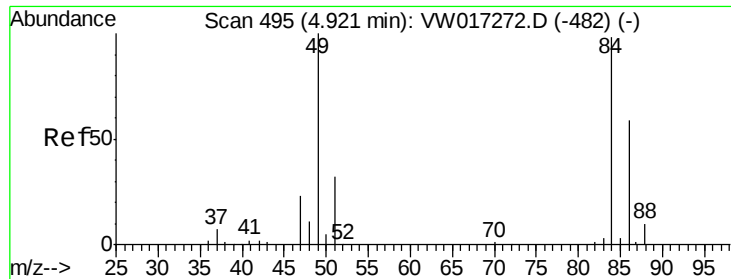


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Time-->

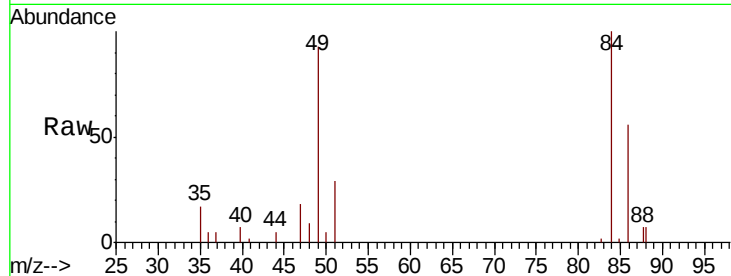




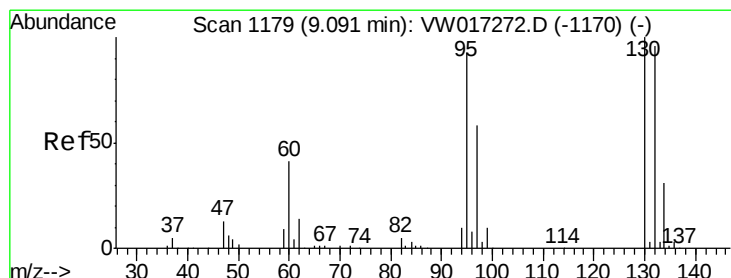
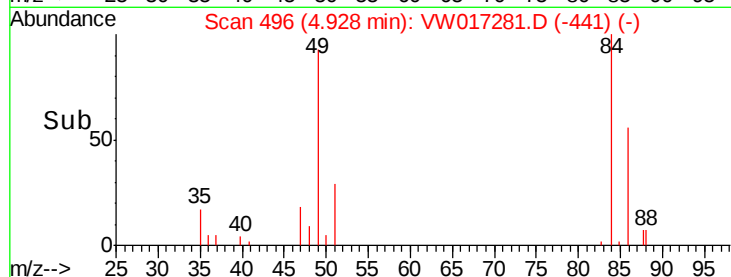
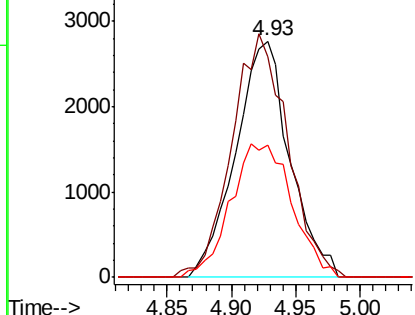
#16
Methvlene chloride
Concen: 4.749 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017281.D
Acq: 17 Nov 2020 13:13

Instrument :
MSVOA_W
ClientSampleId :
C0AW8

Tot Ion: 84 Resp: 8089
Ion Ratio Lower Upper
84 100
49 93.5 72.3 134.3
86 55.9 45.1 83.7

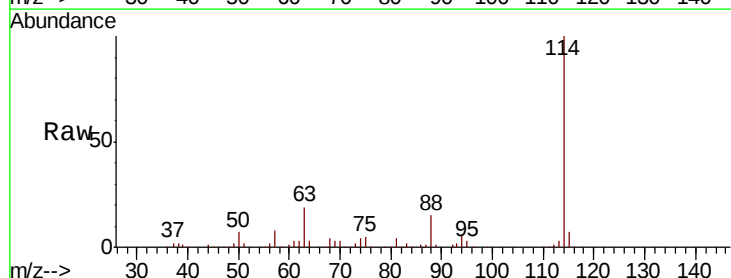


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

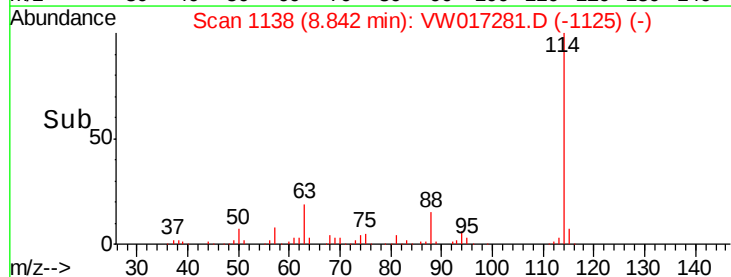
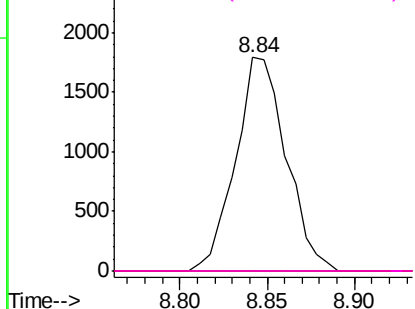


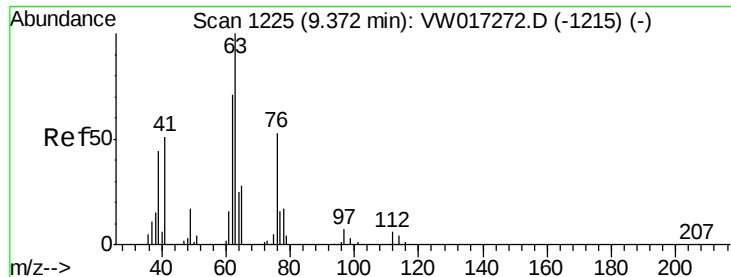
#35
Trichloroethene
Concen: 2.473 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW017281.D
Acq: 17 Nov 2020 13:13

Tgt Ion: 95 Resp: 3614
Ion Ratio Lower Upper
95 100
97 0.0 45.0 83.6#
132 0.0 73.7 136.9#
130 0.0 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





#40

1,2-Dichloropropane

Concen: 3.488 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017281.D

Acq: 17 Nov 2020 13:13

Instrument :

MSVOA_W

ClientSampleId :

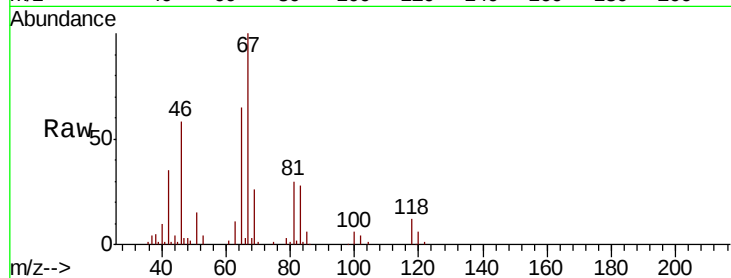
C0AW8

Tot Ion: 63 Resp: 4253

Ion Ratio Lower Upper

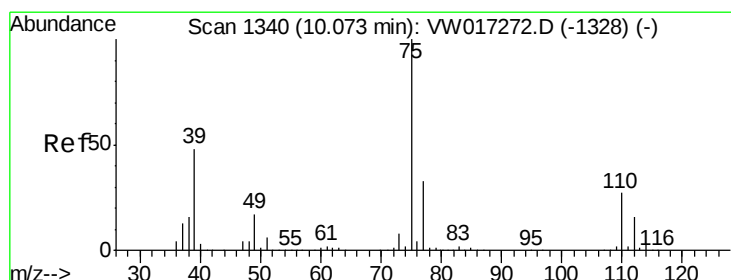
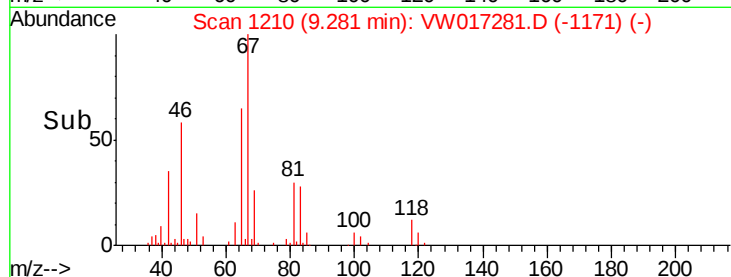
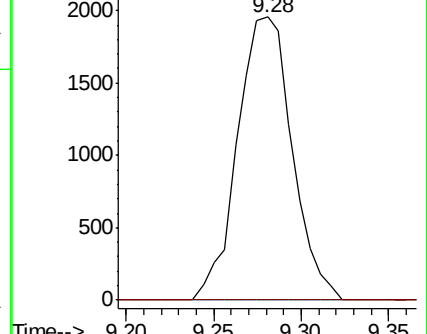
63 100

112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.520 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017281.D

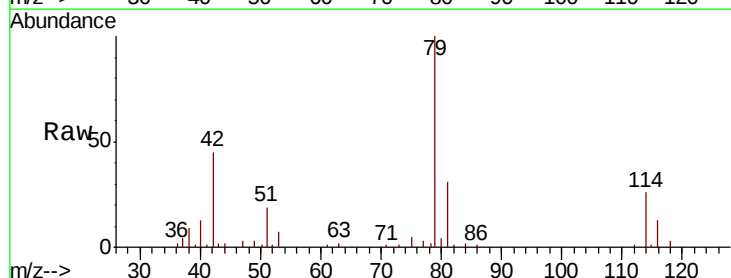
Acq: 17 Nov 2020 13:13

Tgt Ion: 75 Resp: 1004

Ion Ratio Lower Upper

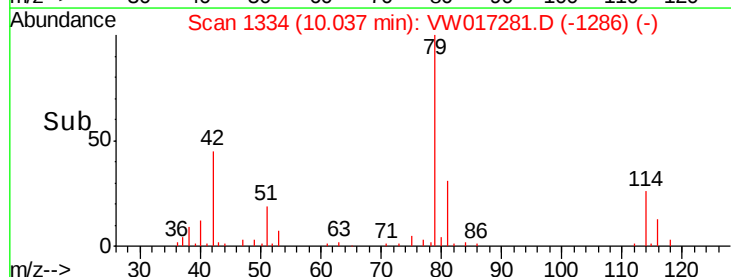
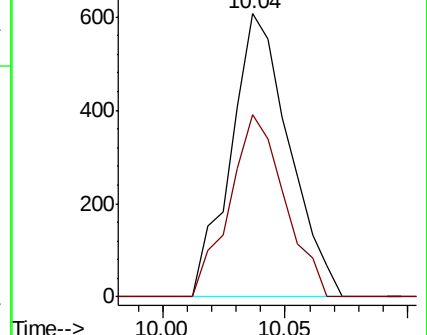
75 100

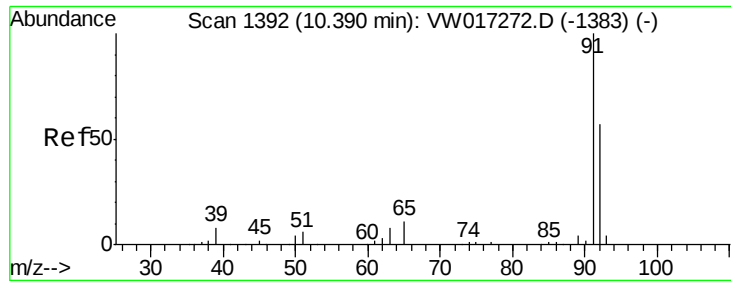
77 64.6 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.256 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017281.D

Acq: 17 Nov 2020 13:13

Instrument :

MSVOA_W

ClientSampled :

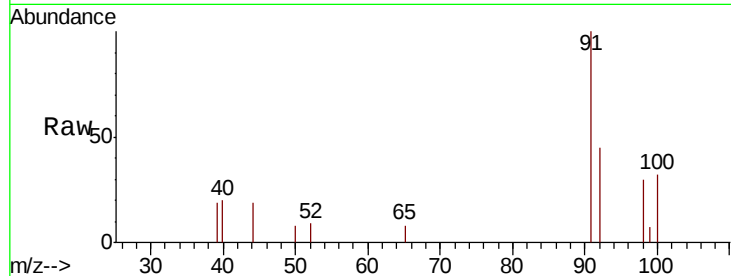
C0AW8

Tot Ion: 91 Resp: 1470

Ion Ratio Lower Upper

91 100

92 44.6 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

800

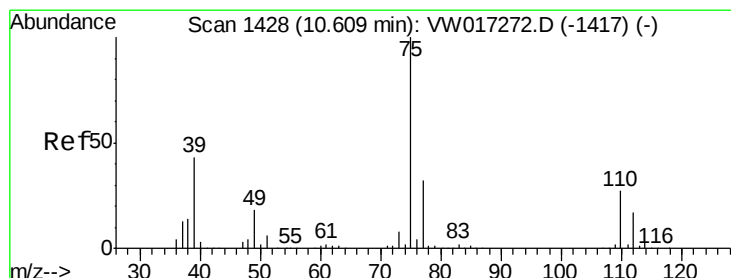
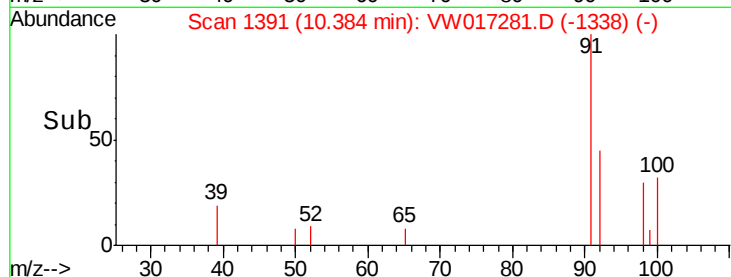
600

400

200

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.380 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017281.D

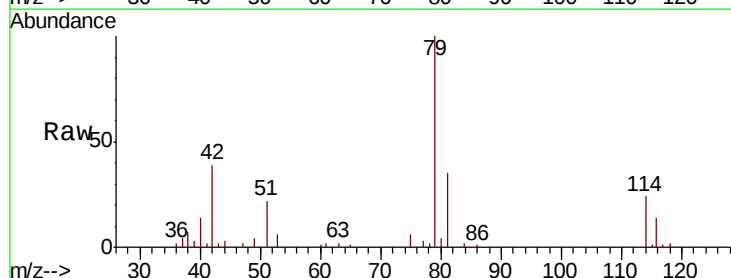
Acq: 17 Nov 2020 13:13

Tgt Ion: 75 Resp: 631

Ion Ratio Lower Upper

75 100

77 46.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

400

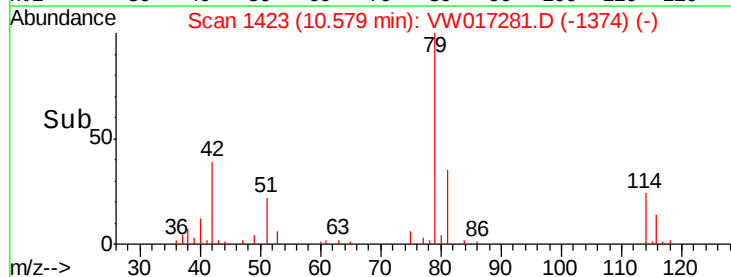
300

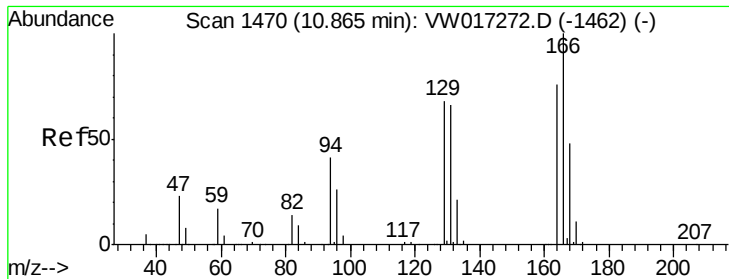
200

100

0

Time-->

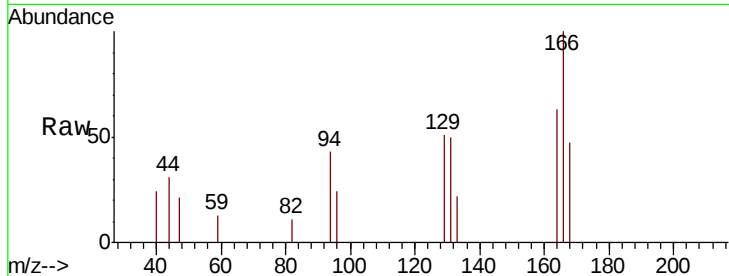




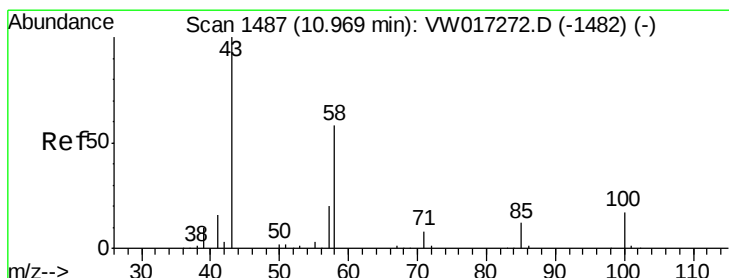
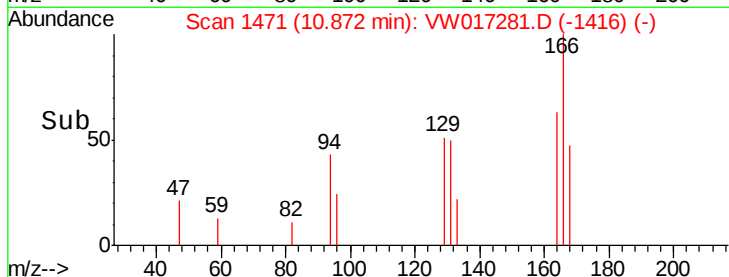
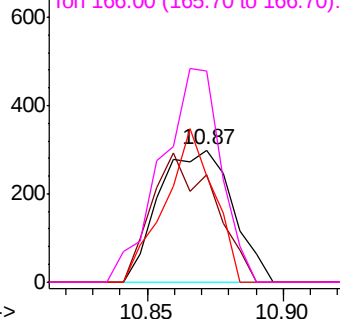
#47
Tetrachloroethene
Concen: 0.422 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW017281.D
Acq: 17 Nov 2020 13:13

Instrument :
MSVOA_W
ClientSampled :
C0AW8

Tot Ion:	164	Resp:	557
Ion	Ratio	Lower	Upper
164	100		
129	81.6	62.9	116.7
131	79.9	63.3	117.5
166	159.5	92.0	170.8

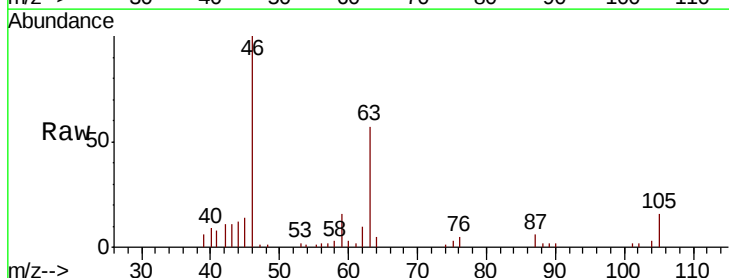


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

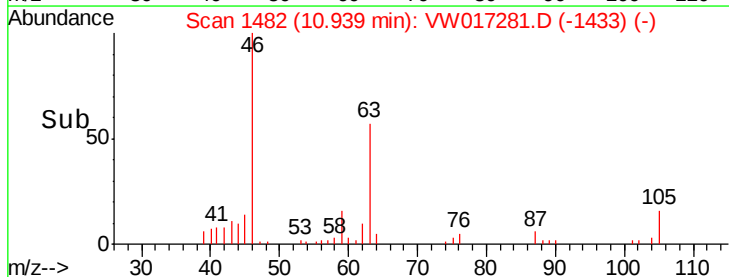
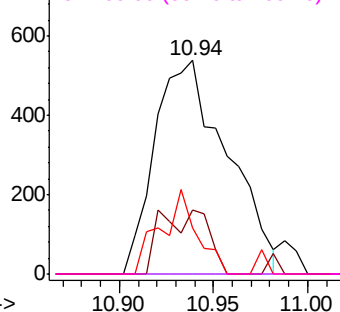


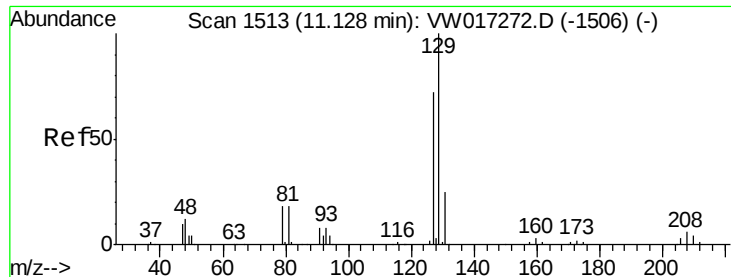
#49
2-Hexanone
Concen: 3.170 ug/L
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW017281.D
Acq: 17 Nov 2020 13:13

Tgt Ion:	43	Resp:	1438
Ion	Ratio	Lower	Upper
43	100		
58	9.5	50.6	75.8#
57	11.5	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





#50

Dibromochloromethane

Concen: 0.360 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017281.D

Acq: 17 Nov 2020 13:13

Instrument :

MSVOA_W

ClientSampleId :

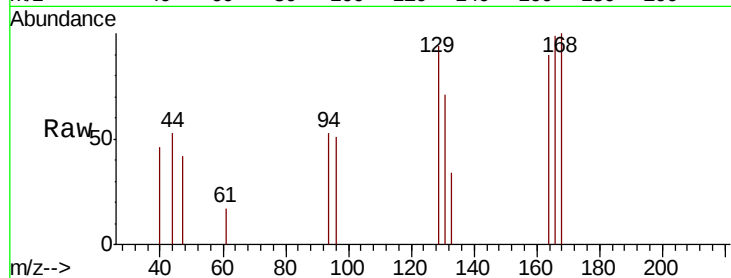
C0AW8

Tot Ion:129 Resp: 461

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

