

Data File : VW017228.D
Acq On : 15 Nov 2020 11:22
Operator : SY/VA
Sample : L4727-10
Misc : 3.92G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC9

Quant Time: Nov 16 09:09:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 09:41:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	153982	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	120889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	30348	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	40311	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
7) Chloroethane-d5	2.89	69	34923	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
10) 1,1-Dichloroethene-d2	4.02	63	53139	15.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.28%
20) 2-Butanone-d5	7.09	46	10622	24.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	48.98%
24) Chloroform-d	7.65	84	75806	21.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.36%
26) 1,2-Dichloroethane-d4	8.31	65	34494	19.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.20%
29) Benzene-d6	8.28	84	145230	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
33) 1,2-Dichloropropane-d6	9.28	67	39559	23.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.92%
37) Toluene-d8	10.32	98	125122	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.24%
38) trans-1,3-Dichloropropene-	10.58	79	12805	16.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.72%
39) 2-Hexanone-d5	10.93	63	7560	25.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	22730	15.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	61.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	22927	21.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.76%

Target Compounds

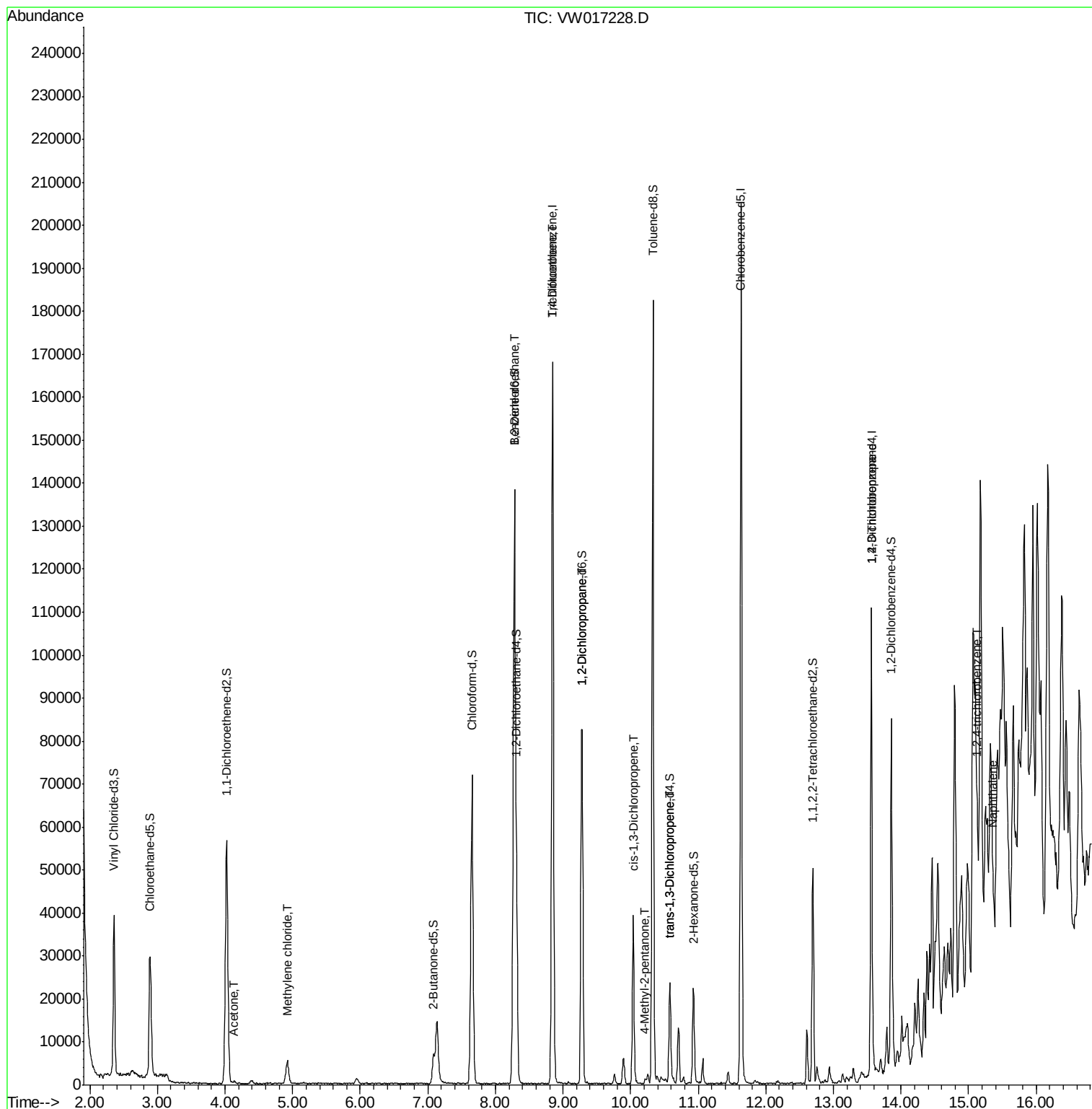
					Qvalue
13) Acetone	4.14	43	1038	3.574 ug/L	72
16) Methylene chloride	4.92	84	4098	1.974 ug/L	94
27) 1,2-Dichloroethane	8.27	62	767	0.375 ug/L #	70
35) Trichloroethene	8.84	95	4478	2.518 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	4540	3.060 ug/L #	84
42) cis-1,3-Dichloropropene	10.03	75	1091	0.464 ug/L #	42
43) 4-Methyl-2-pentanone	10.21	43	739	0.807 ug/L #	74
45) trans-1,3-Dichloropropene	10.59	75	627	0.311 ug/L #	52
59) 1,2,3-Trichloropropane	13.55	75	3494	3.289 ug/L	90
68) 1,2,4-trichlorobenzene	15.13	180	493	0.444 ug/L #	1
69) Naphthalene	15.36	128	843	0.413 ug/L #	93

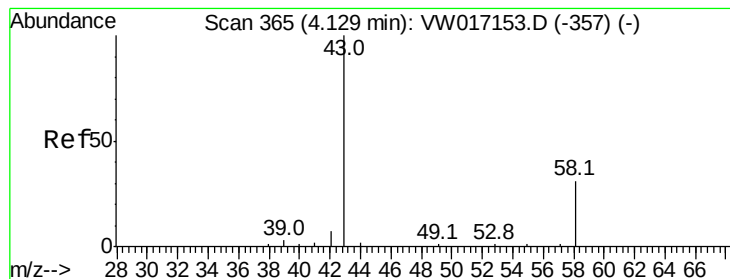
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.574 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017228.D

Acq: 15 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

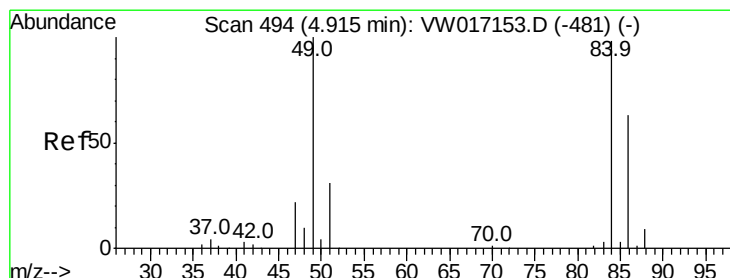
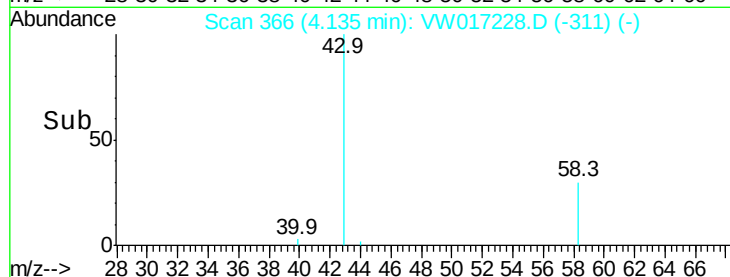
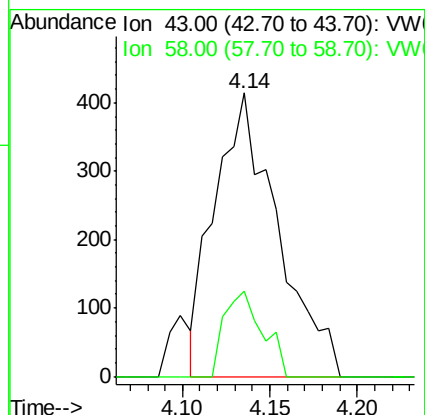
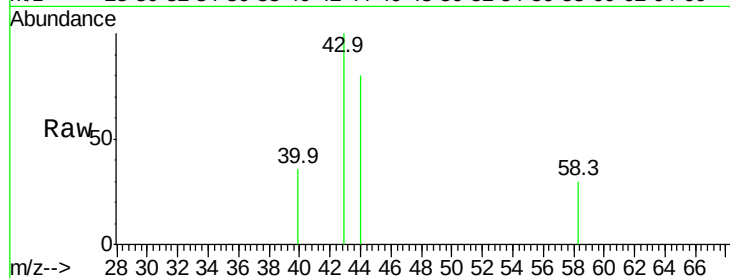
C0AC9

Tgt Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

58 18.4 0.0 69.2



#16

Methylene chloride

Concen: 1.974 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017228.D

Acq: 15 Nov 2020 11:22

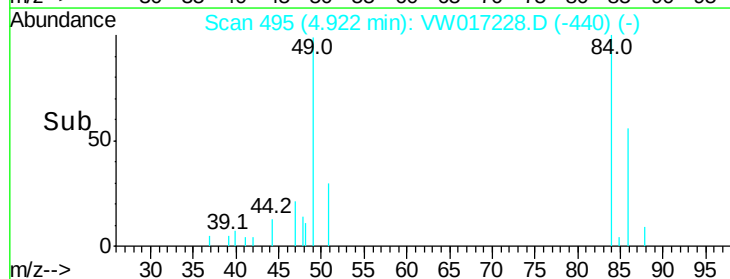
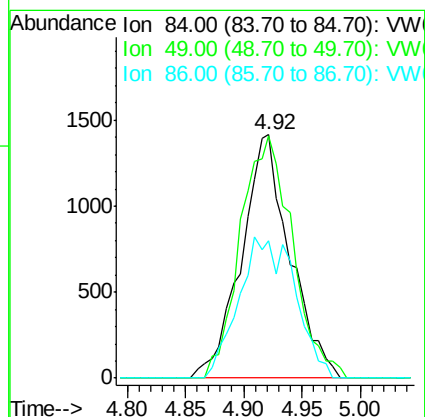
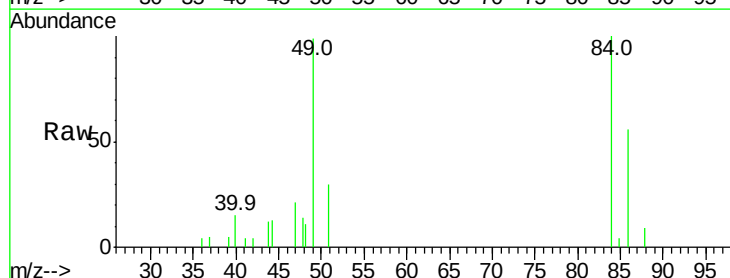
Tgt Ion: 84 Resp: 4098

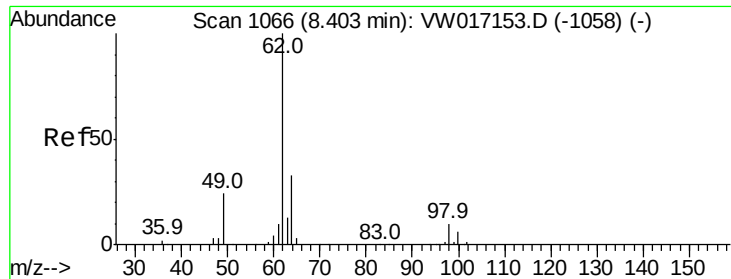
Ion Ratio Lower Upper

84 100

49 99.3 72.3 134.3

86 56.3 45.1 83.7





#27

1,2-Dichloroethane

Concen: 0.375 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW017228.D

Acq: 15 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

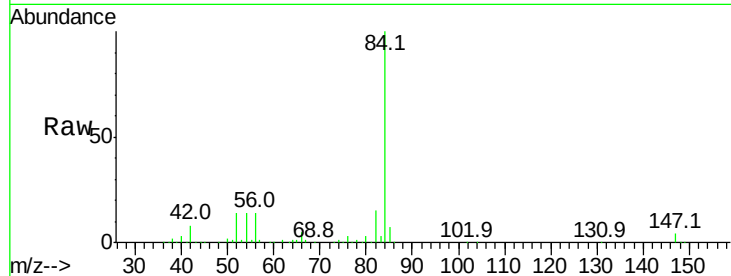
C0AC9

Tgt Ion: 62 Resp: 767

Ion Ratio Lower Upper

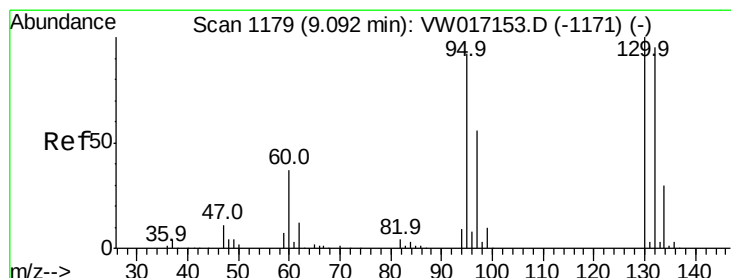
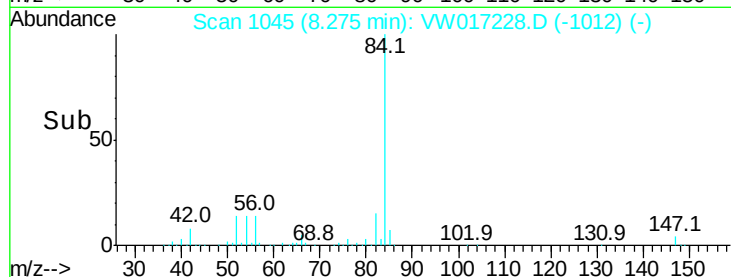
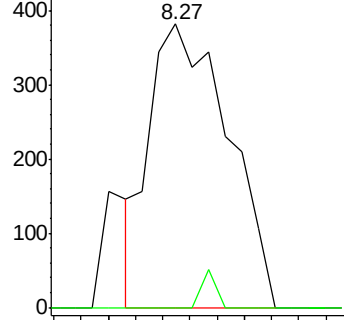
62 100

98 0.0 9.4 14.0#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



#35

Trichloroethene

Concen: 2.518 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017228.D

Acq: 15 Nov 2020 11:22

Tgt Ion: 95 Resp: 4478

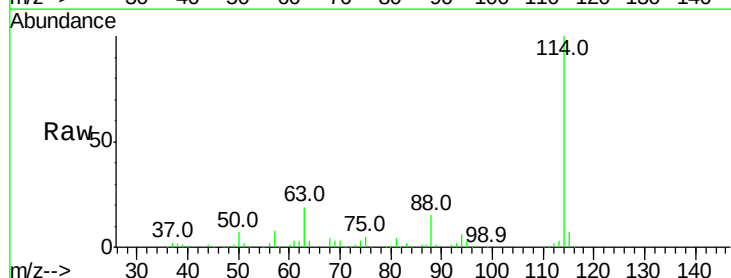
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

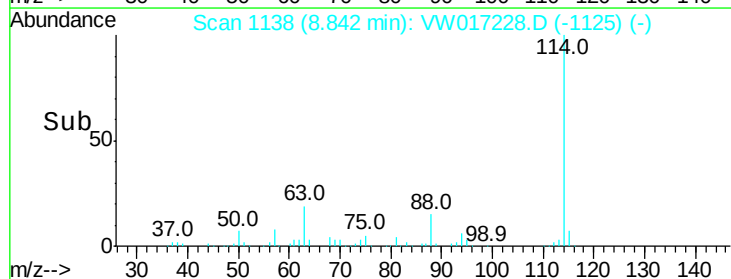
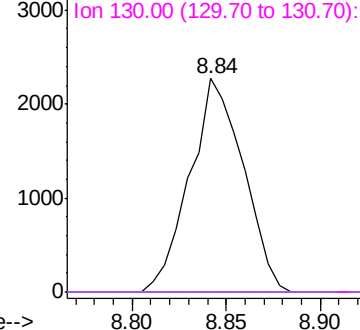


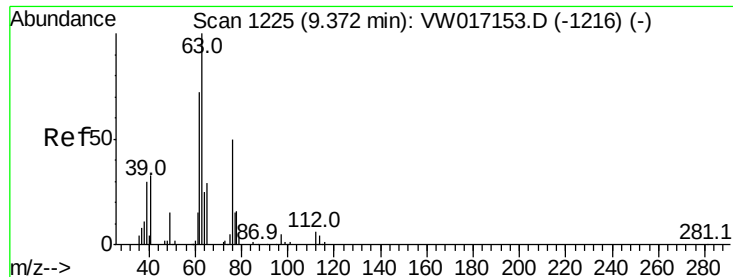
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.060 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017228.D

Acq: 15 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

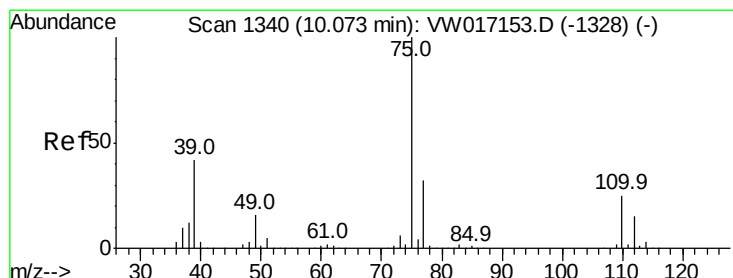
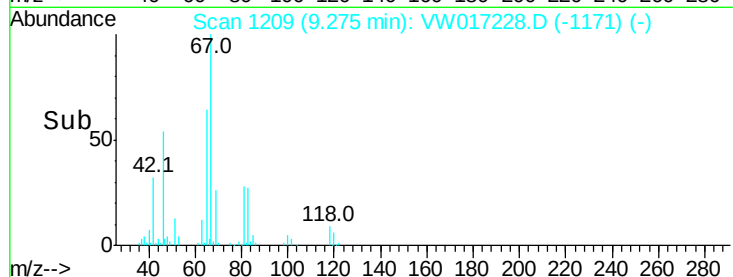
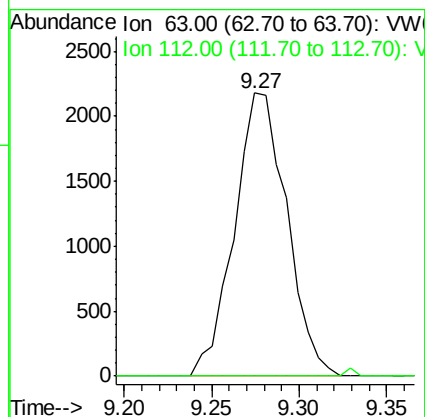
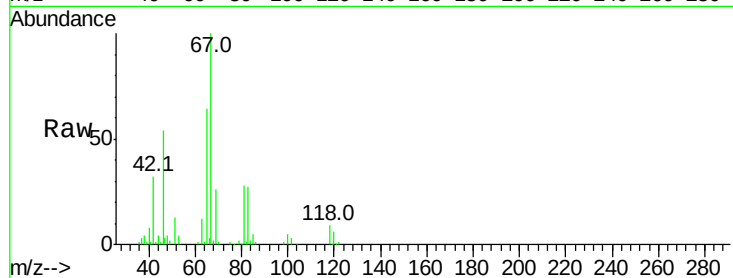
C0AC9

Tgt Ion: 63 Resp: 4540

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#



#42

cis-1,3-Dichloropropene

Concen: 0.464 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017228.D

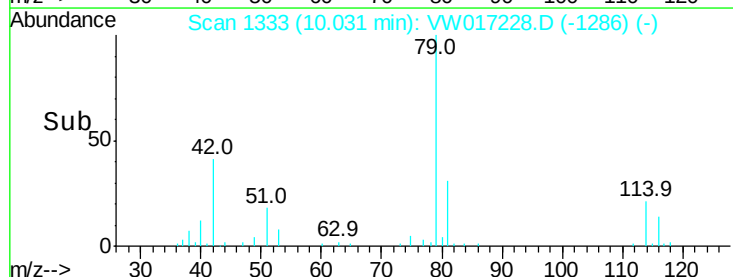
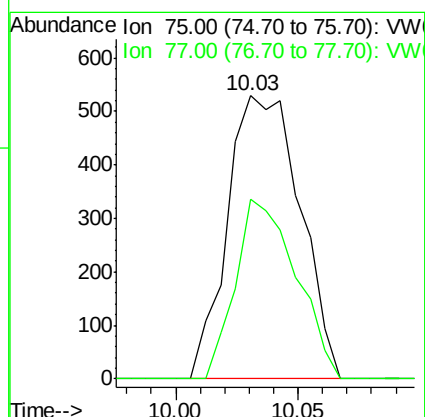
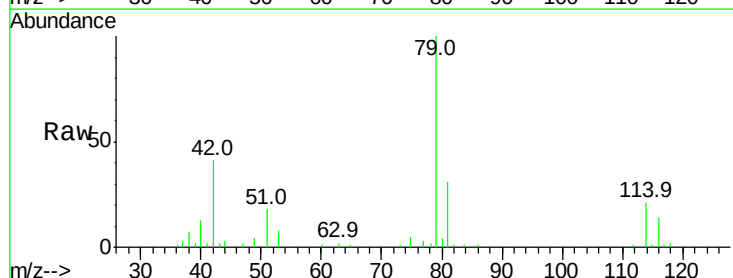
Acq: 15 Nov 2020 11:22

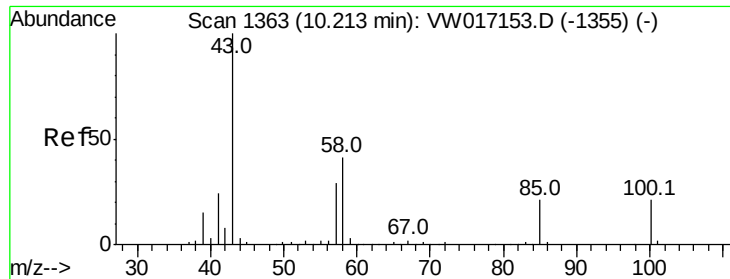
Tgt Ion: 75 Resp: 1091

Ion Ratio Lower Upper

75 100

77 63.7 22.0 41.0#





#43

4-Methyl-2-pentanone

Concen: 0.807 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW017228.D

Acq: 15 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

C0AC9

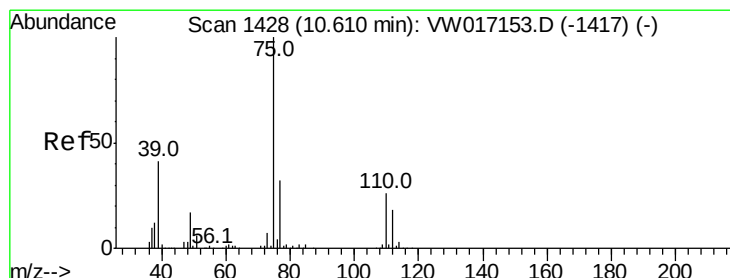
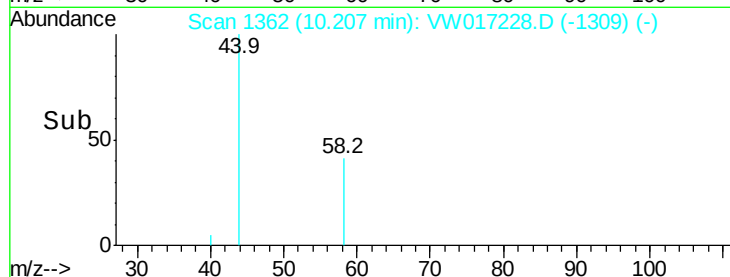
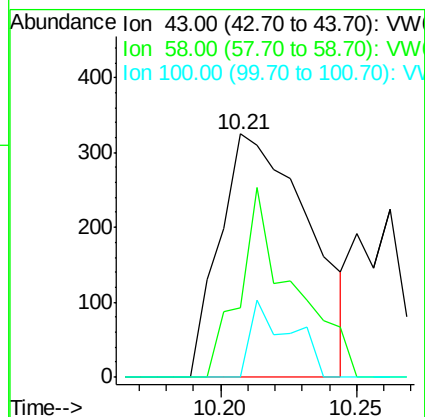
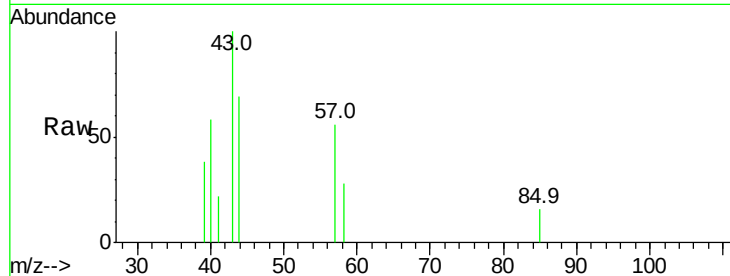
Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

58 27.6 35.0 52.6#

100 8.0 16.6 24.8#



#45

trans-1,3-Dichloropropene

Concen: 0.311 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017228.D

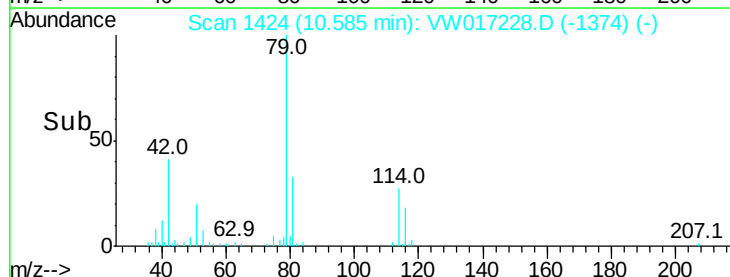
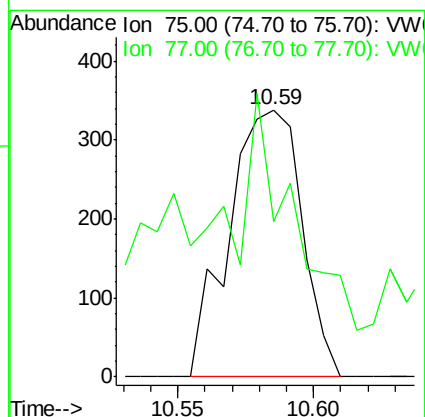
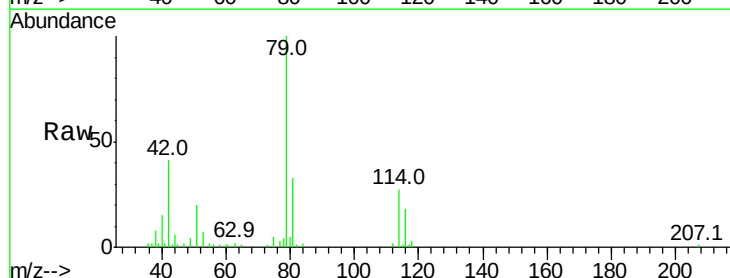
Acq: 15 Nov 2020 11:22

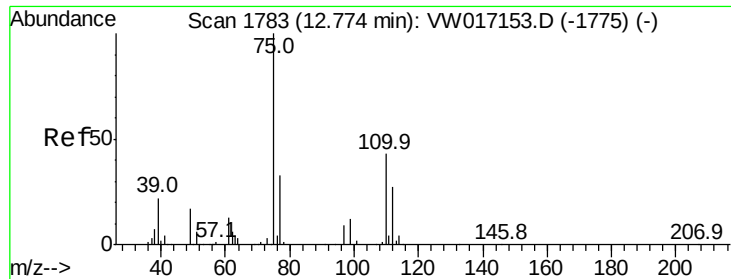
Tgt Ion: 75 Resp: 627

Ion Ratio Lower Upper

75 100

77 58.0 22.1 41.1#

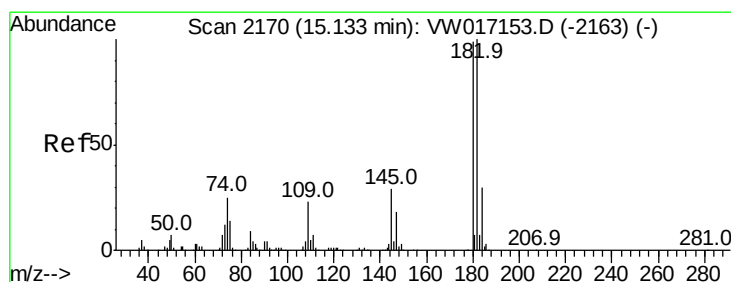
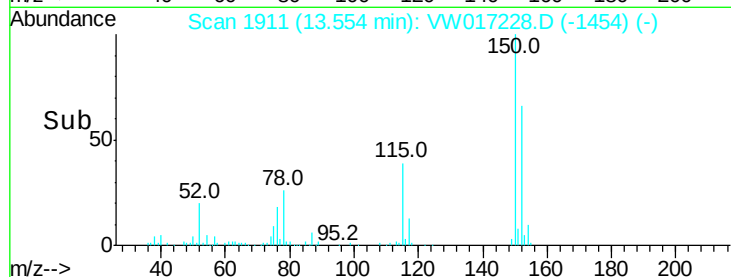
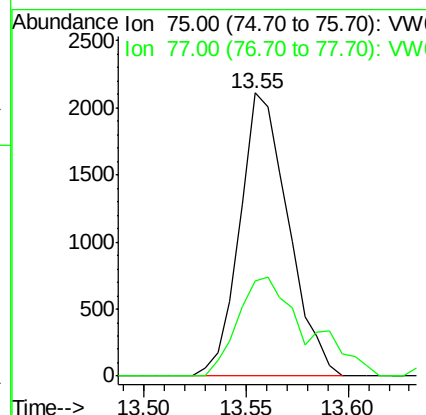
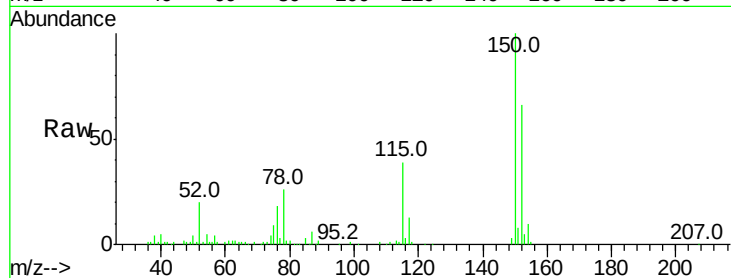




#59
 1,2,3-Trichloropropane
 Concen: 3.289 ug/L
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.79 min
 Lab File: VW017228.D
 Acq: 15 Nov 2020 11:22

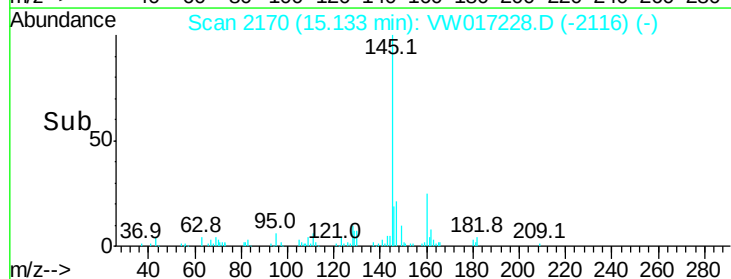
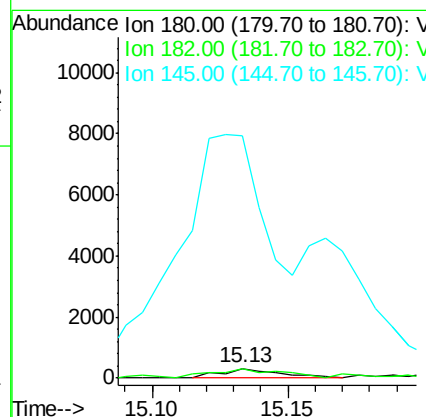
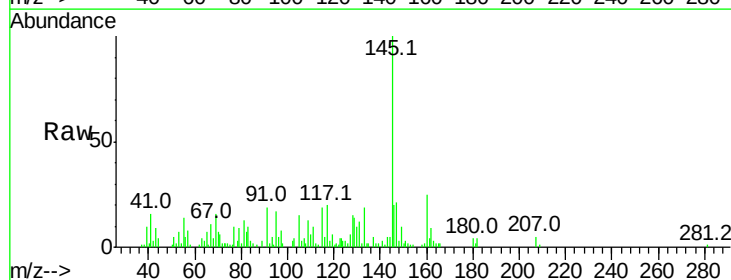
Instrument :
 MSVOA_W
 ClientSampled :
 C0AC9

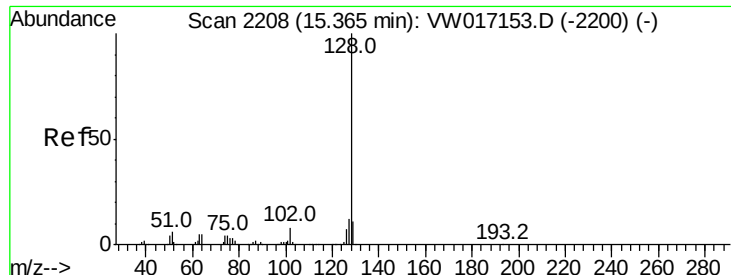
Tgt Ion: 75 Resp: 3494
 Ion Ratio Lower Upper
 75 100
 77 38.4 26.4 39.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.444 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017228.D
 Acq: 15 Nov 2020 11:22

Tgt Ion: 180 Resp: 493
 Ion Ratio Lower Upper
 180 100
 182 73.2 76.7 115.1#
 145 3887.8 23.6 35.4#





#69

Naphthalene

Concen: 0.413 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017228.D

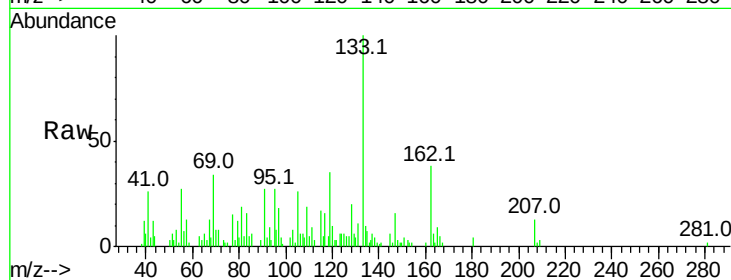
Acq: 15 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

C0AC9



Tgt Ion:128 Resp: 843

Ion Ratio Lower Upper

128 100

129 9.6 8.6 12.8

127 8.9 10.2 15.2#

