

Data File : VW017435.D
Acq On : 20 Nov 2020 23:01
Operator : SY/VA
Sample : L4819-14
Misc : 5.60G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BB1

Quant Time: Nov 21 02:29:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 21 02:27:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	383037	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346721	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	172602	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93589	16.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.00%
7) Chloroethane-d5	2.89	69	80223	17.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.24%
10) 1,1-Dichloroethene-d2	4.02	63	131290	13.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.96%
20) 2-Butanone-d5	7.08	46	36111	38.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.56%
24) Chloroform-d	7.65	84	191271	19.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.04%
26) 1,2-Dichloroethane-d4	8.31	65	95723	19.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.76%
29) Benzene-d6	8.27	84	374497	19.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.64%
33) 1,2-Dichloropropane-d6	9.27	67	103252	19.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.32%
37) Toluene-d8	10.32	98	365097	19.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.36%
38) trans-1,3-Dichloropropene-	10.58	79	42391	18.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.80%
39) 2-Hexanone-d5	10.93	63	28464	40.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79582	20.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	128951	20.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.96%

Target Compounds

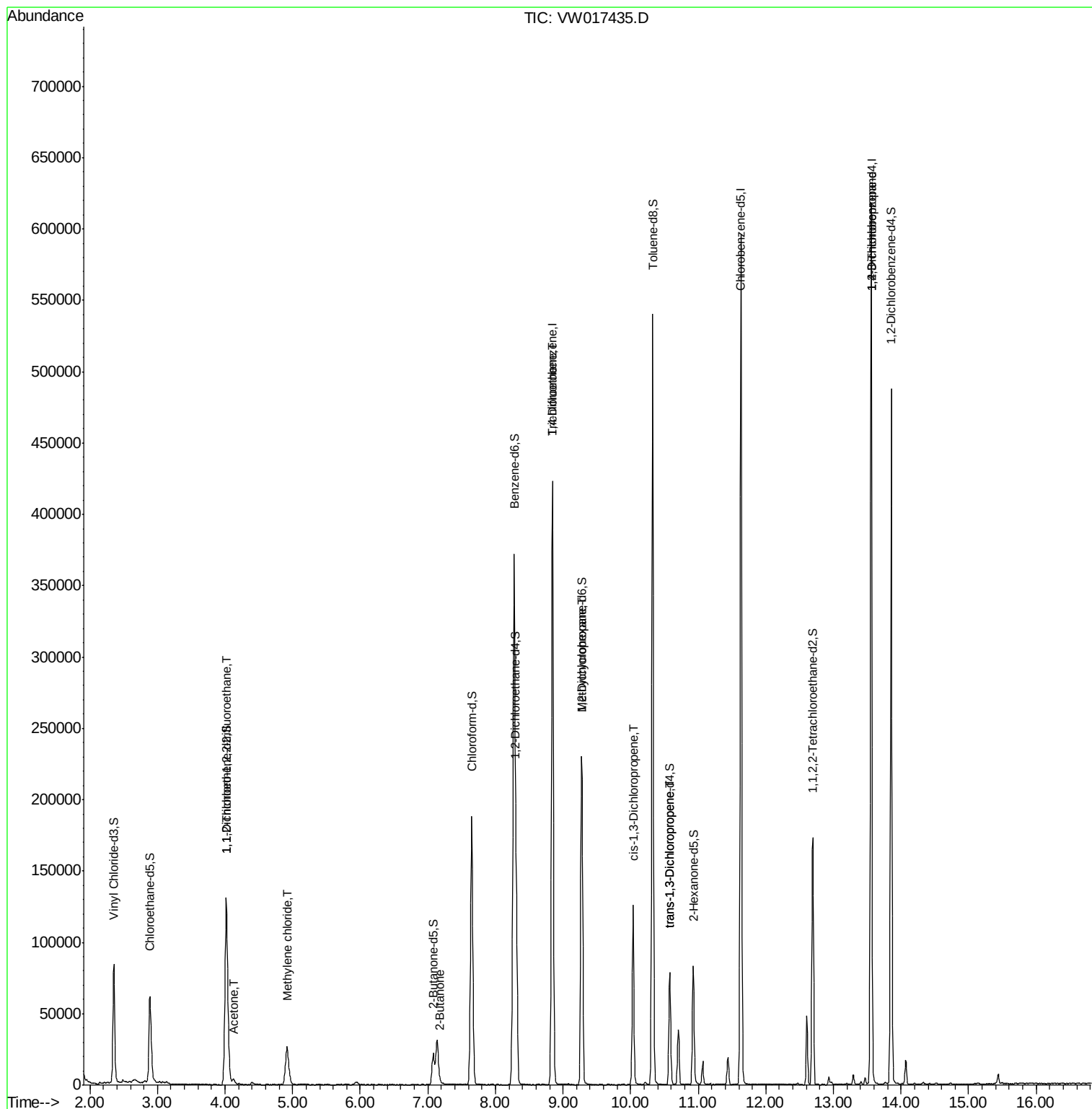
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1452	0.277 ug/L #	16
13) Acetone	4.12	43	5892	8.671 ug/L	96
16) Methylene chloride	4.92	84	23864	3.642 ug/L	96
21) 2-Butanone	7.18	43	1045	1.003 ug/L	79
35) Trichloroethene	8.84	95	10782	1.946 ug/L #	2
36) Methylcyclohexane	9.27	83	27739	3.133 ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	3761	0.547 ug/L #	67
45) trans-1,3-Dichloropropene	10.59	75	2200	0.378 ug/L	88
59) 1,2,3-Trichloropropane	13.56	75	18603	6.814 ug/L	99

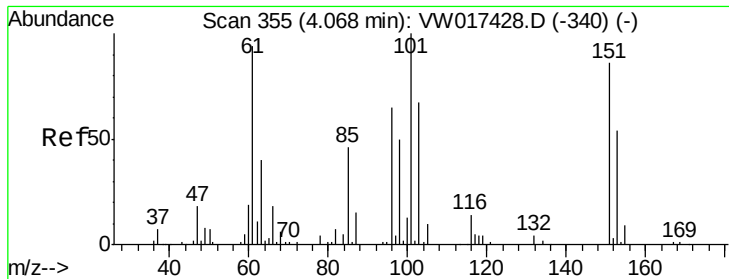
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#11

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

Concen: 0.277 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017435.D

Acq: 20 Nov 2020 23:01

Instrument :

MSVOA_W

ClientSampleId :

C0BB1

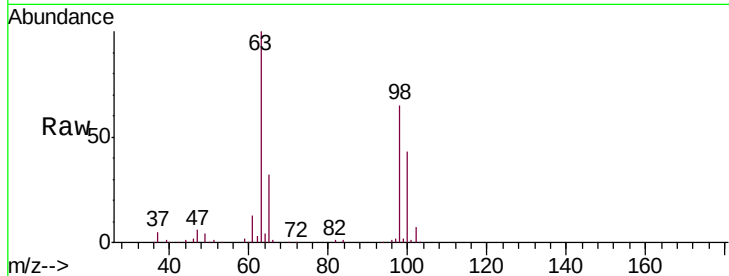
Tgt Ion:101 Resp: 1452

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

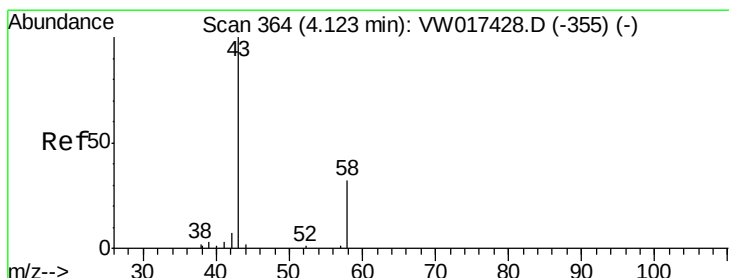
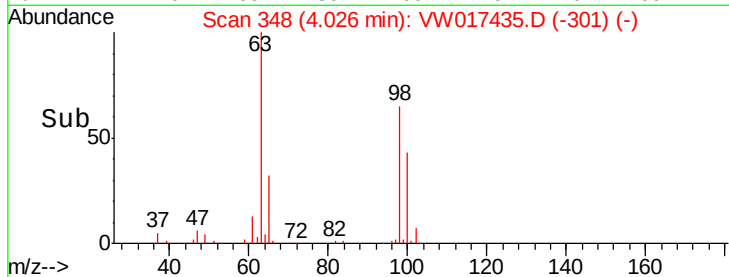
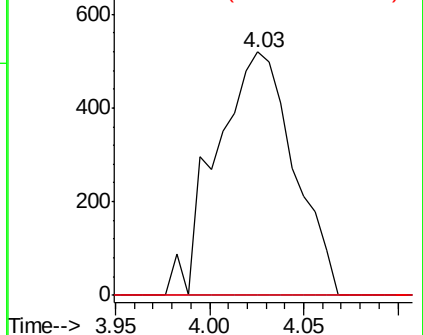
151 0.0 66.3 99.5#



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



#13

Acetone

Concen: 8.671 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017435.D

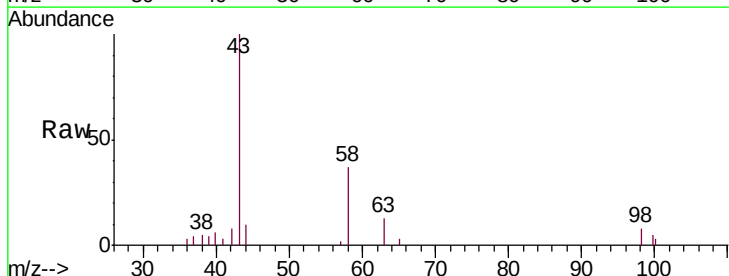
Acq: 20 Nov 2020 23:01

Tgt Ion: 43 Resp: 5892

Ion Ratio Lower Upper

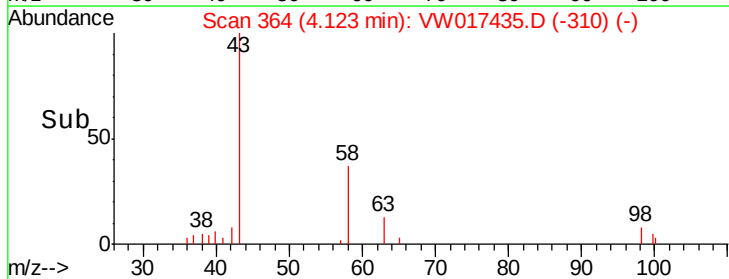
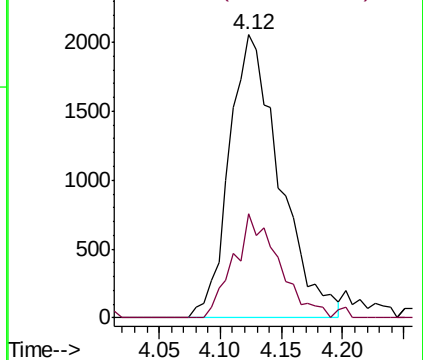
43 100

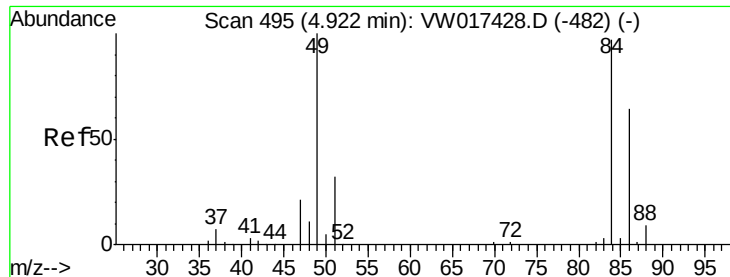
58 31.1 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

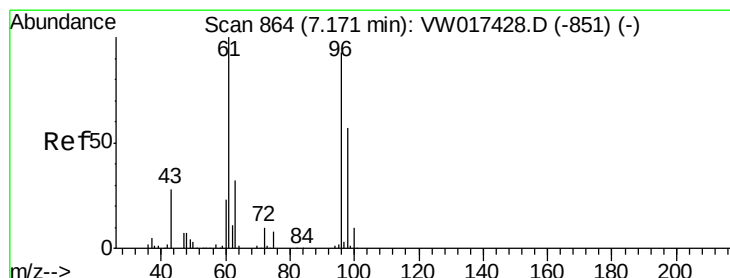
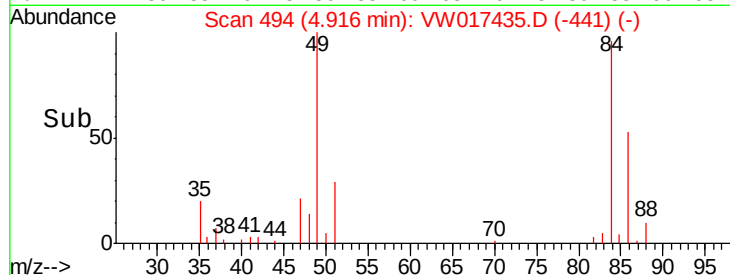
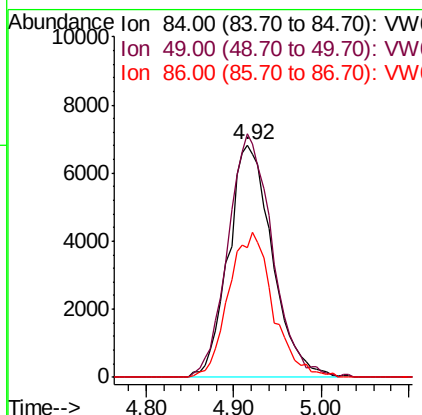
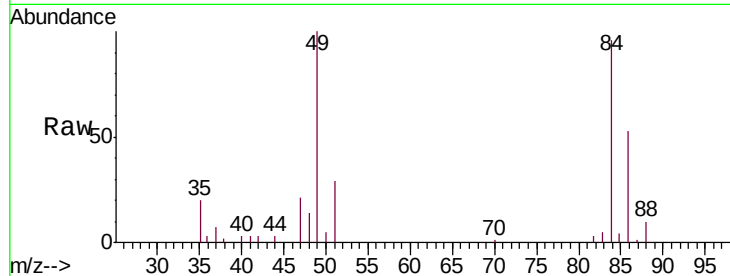




#16
Methylene chloride
Concen: 3.642 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017435.D
Acq: 20 Nov 2020 23:01

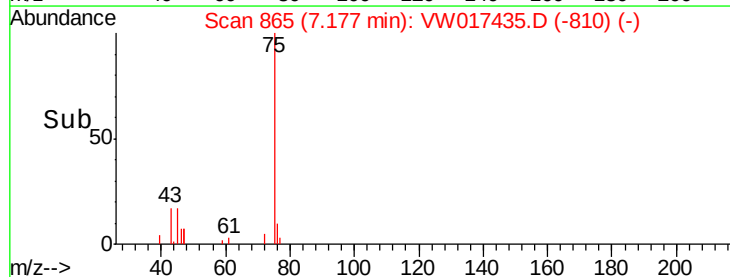
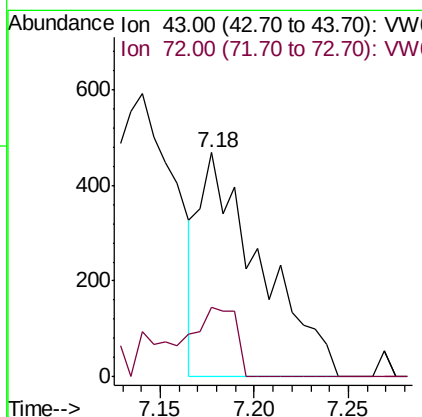
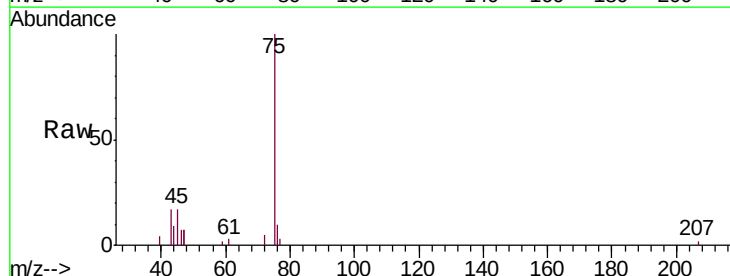
Instrument :
MSVOA_W
ClientSampleId :
C0BB1

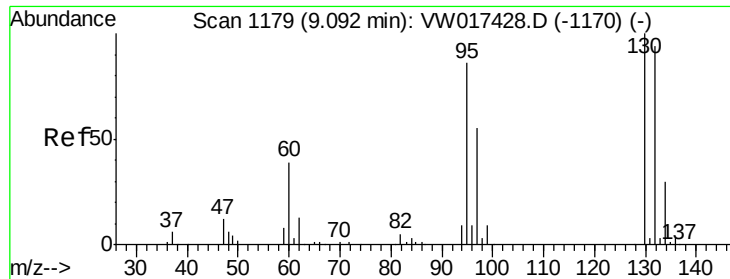
Tgt Ion: 84 Resp: 23864
Ion Ratio Lower Upper
84 100
49 104.7 71.5 132.9
86 55.9 42.8 79.4



#21
2-Butanone
Concen: 1.003 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017435.D
Acq: 20 Nov 2020 23:01

Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
72 21.1 16.4 49.1





#35

Trichloroethene

Concen: 1.946 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017435.D

Acq: 20 Nov 2020 23:01

Instrument :

MSVOA_W

ClientSampled :

C0BB1

Tgt Ion: 95 Resp: 10782

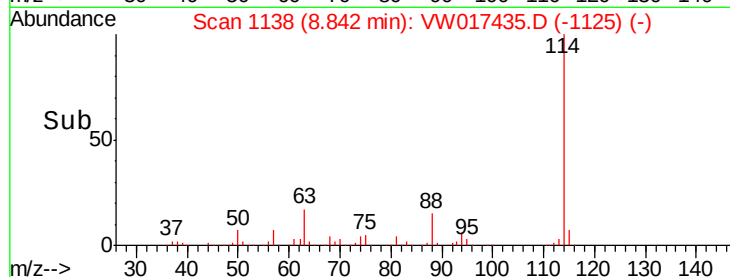
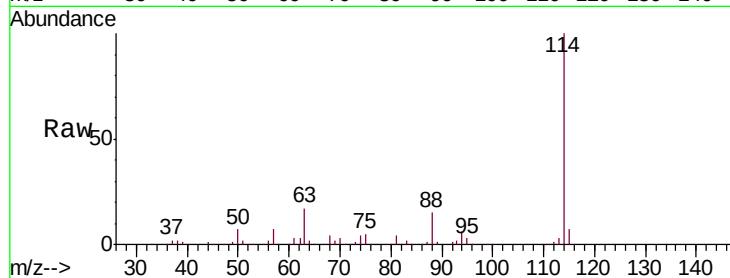
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

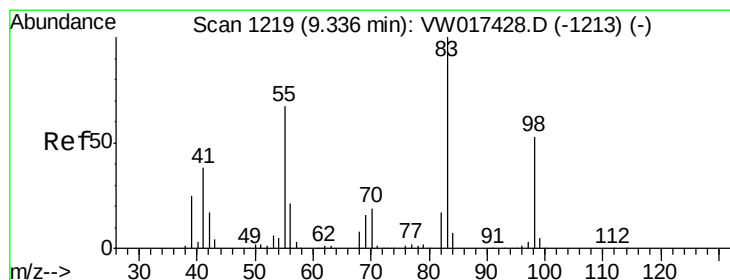
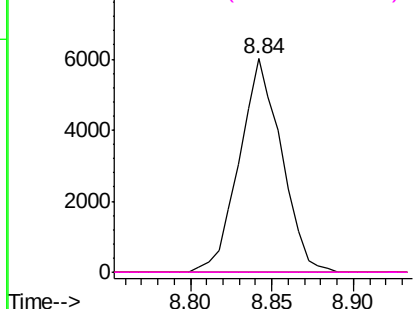


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.133 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017435.D

Acq: 20 Nov 2020 23:01

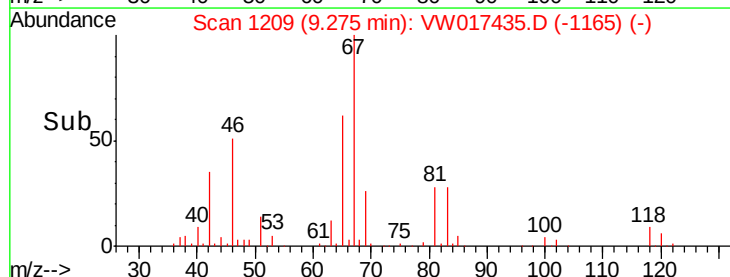
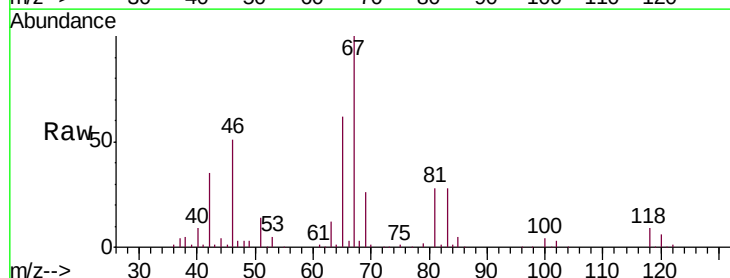
Tgt Ion: 83 Resp: 27739

Ion Ratio Lower Upper

83 100

55 0.7 54.6 81.8#

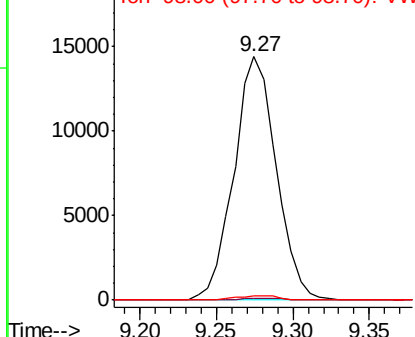
98 1.7 41.5 62.3#

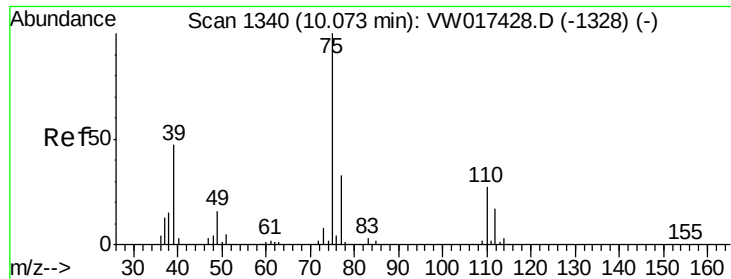


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.547 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017435.D

Acq: 20 Nov 2020 23:01

Instrument :

MSVOA_W

ClientSampled :

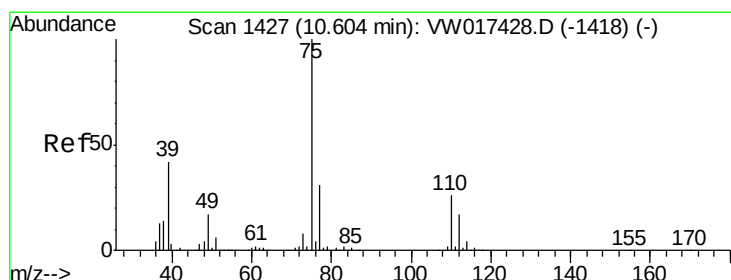
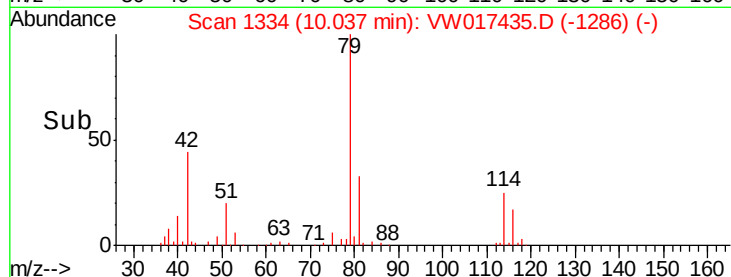
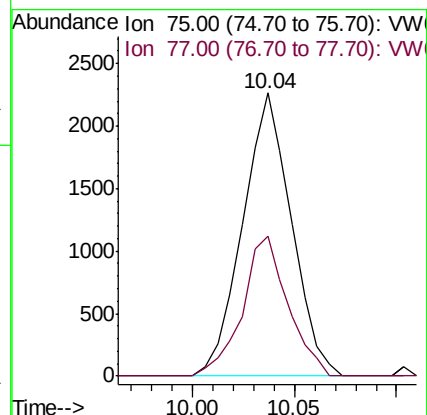
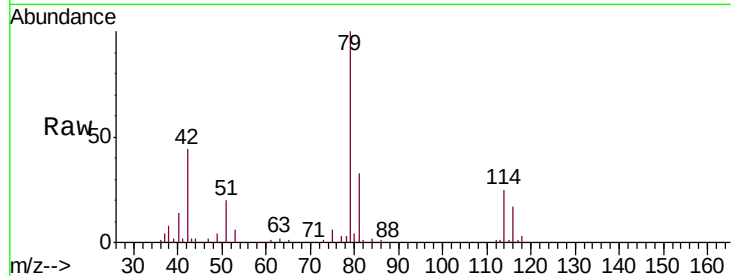
C0BB1

Tgt Ion: 75 Resp: 3761

Ion Ratio Lower Upper

75 100

77 49.4 21.8 40.4#



#45

trans-1,3-Dichloropropene

Concen: 0.378 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017435.D

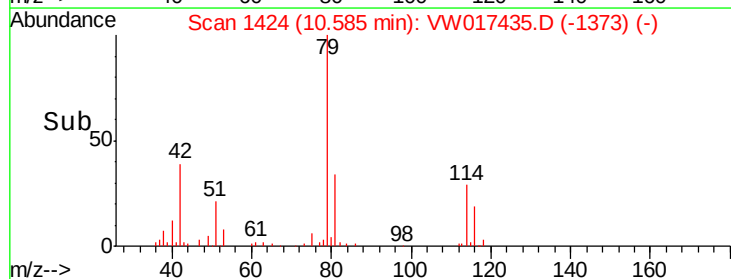
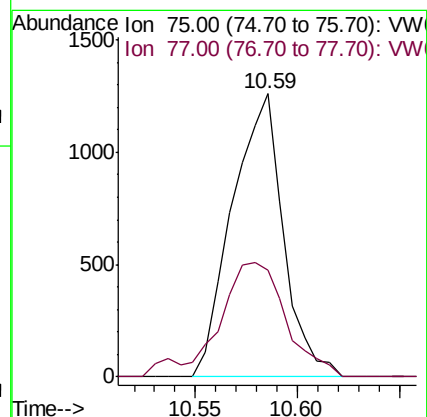
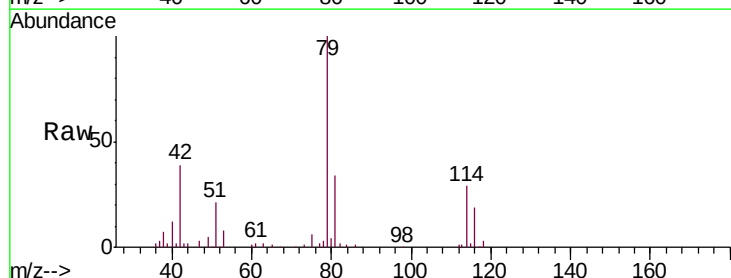
Acq: 20 Nov 2020 23:01

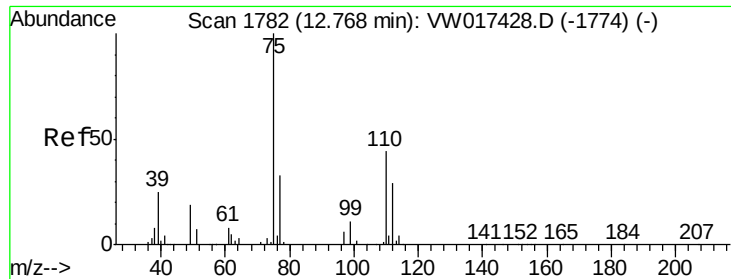
Tgt Ion: 75 Resp: 2200

Ion Ratio Lower Upper

75 100

77 37.9 22.0 40.8





#59

1,2,3-Trichloropropane

Concen: 6.814 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017435.D

Acq: 20 Nov 2020 23:01

Instrument :

MSVOA_W

ClientSampleId :

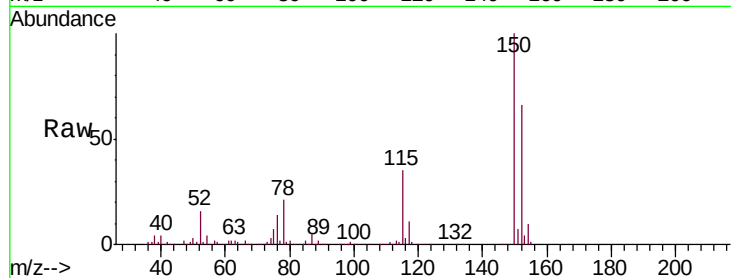
C0BB1

Tgt Ion: 75 Resp: 18603

Ion Ratio Lower Upper

75 100

77 33.7 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

