

Data File : VW017365.D
Acq On : 19 Nov 2020 12:38
Operator : SY/VA
Sample : L4749-18RE
Misc : 5.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0B17RE

Quant Time: Nov 20 01:20:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 01:18:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	155732	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	116093	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	28105	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	63732	27.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.56%
7) Chloroethane-d5	2.89	69	50472	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.24%
10) 1,1-Dichloroethene-d2	4.02	63	75104	18.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.48%
20) 2-Butanone-d5	7.08	46	14637	38.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.32%
24) Chloroform-d	7.65	84	104190	25.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.88%
26) 1,2-Dichloroethane-d4	8.31	65	54436	27.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.16%
29) Benzene-d6	8.28	84	192418	29.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.60%
33) 1,2-Dichloropropane-d6	9.27	67	55239	31.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.72%#
37) Toluene-d8	10.33	98	151832	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.58	79	18508	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.52%
39) 2-Hexanone-d5	10.93	63	9855	42.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35779	27.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	25386	24.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.88%

Target Compounds

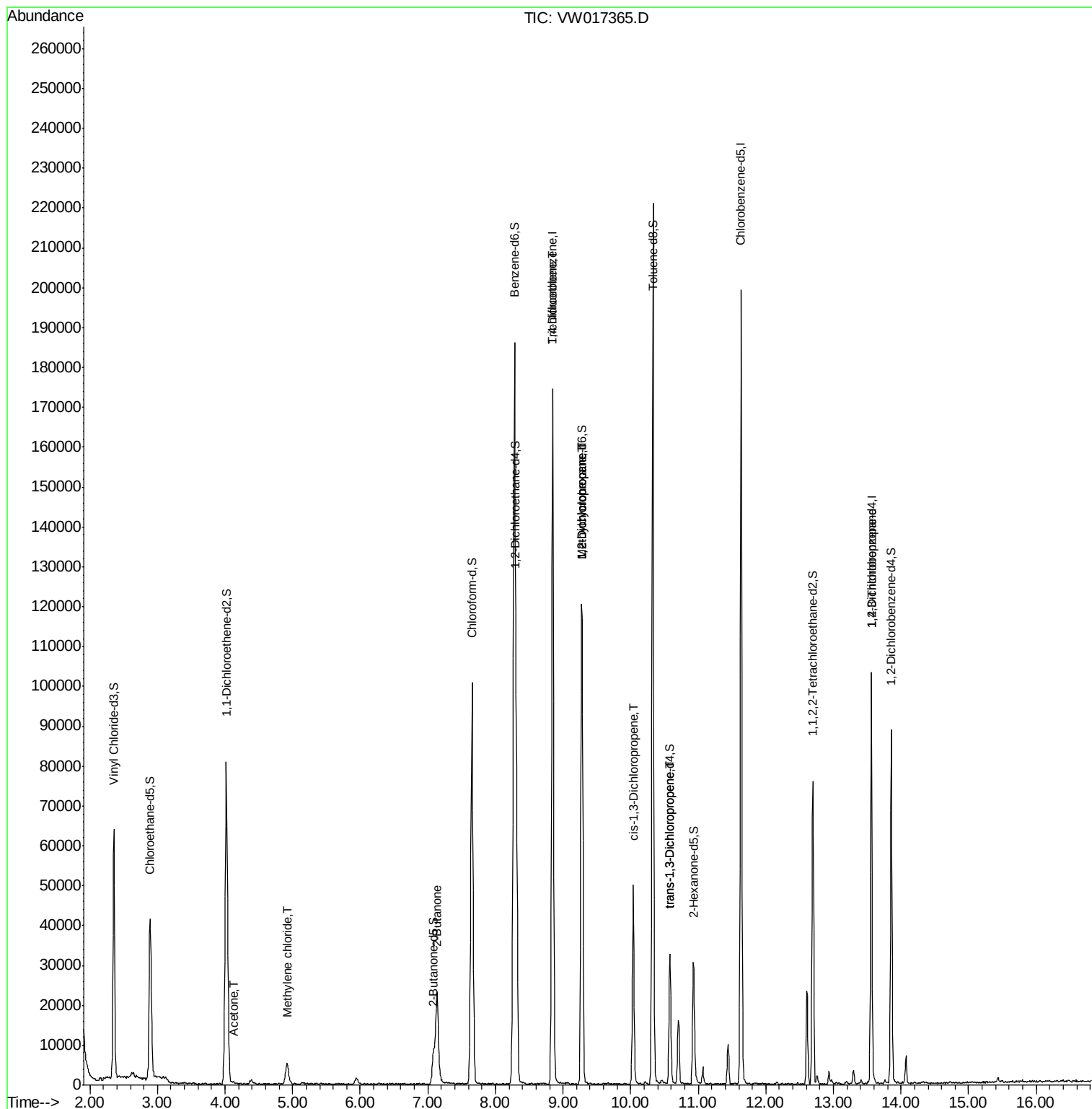
					Qvalue
13) Acetone	4.13	43	808	2.925 ug/L	54
16) Methylene chloride	4.92	84	2912	1.093 ug/L	87
21) 2-Butanone	7.14	43	2717	6.416 ug/L #	43
35) Trichloroethene	8.85	95	4504	2.428 ug/L #	2
36) Methylcyclohexane	9.27	83	14683	4.954 ug/L #	21
40) 1,2-Dichloropropane	9.27	63	6617	4.461 ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	1384	0.601 ug/L #	80
45) trans-1,3-Dichloropropene	10.58	75	937	0.480 ug/L	85
59) 1,2,3-Trichloropropane	13.56	75	3247	3.552 ug/L	97

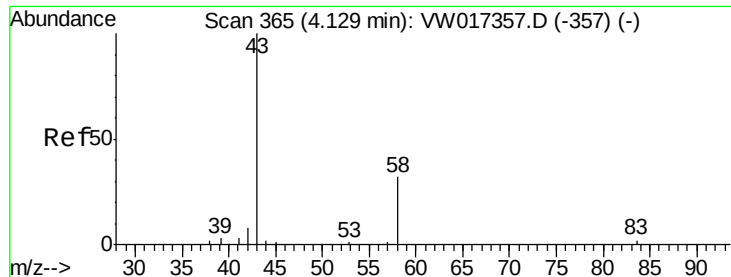
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.925 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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Acq: 19 Nov 2020 12:38

Instrument :

MSVOA_W

ClientSampleId :

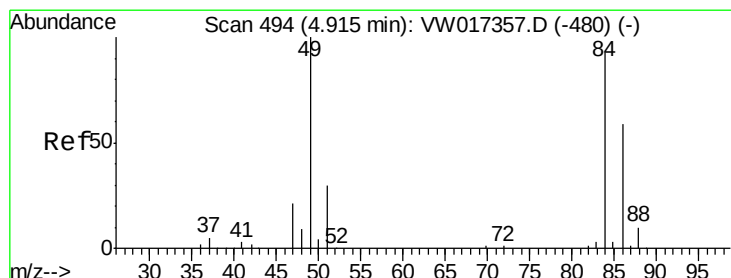
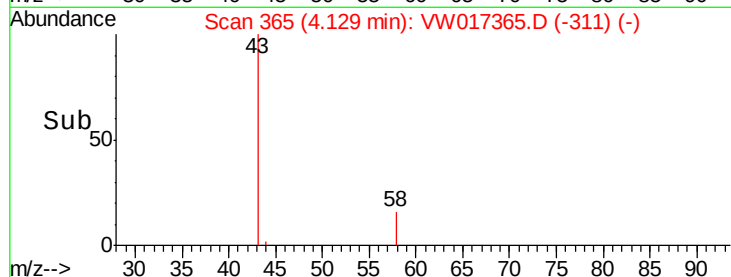
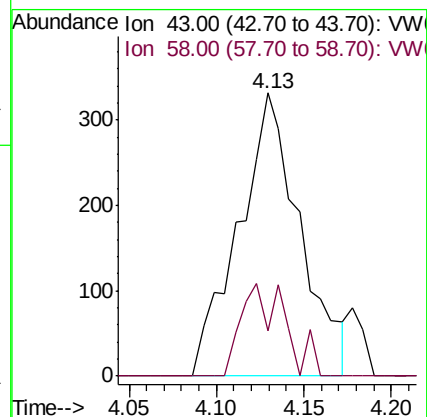
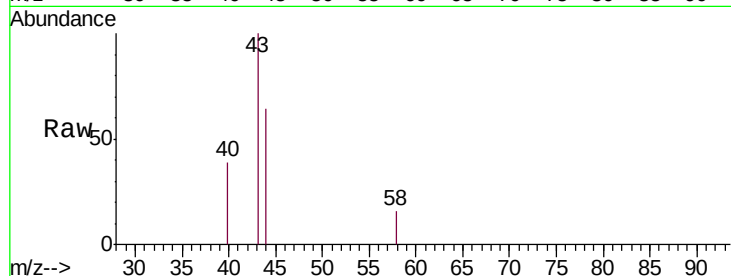
C0B17RE

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

58 7.4 0.0 67.0



#16

Methylene chloride

Concen: 1.093 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

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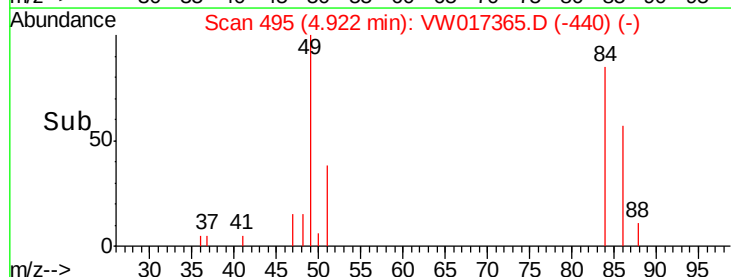
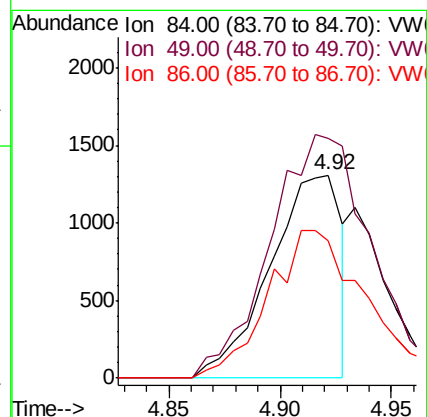
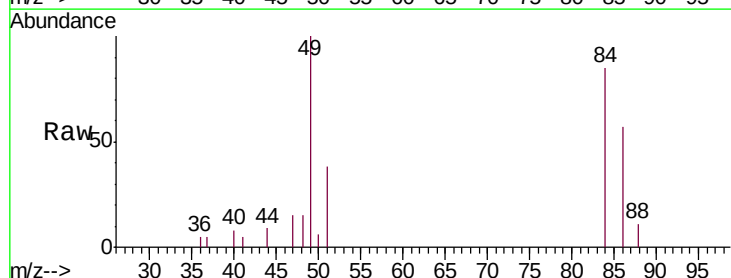
Tgt Ion: 84 Resp: 2912

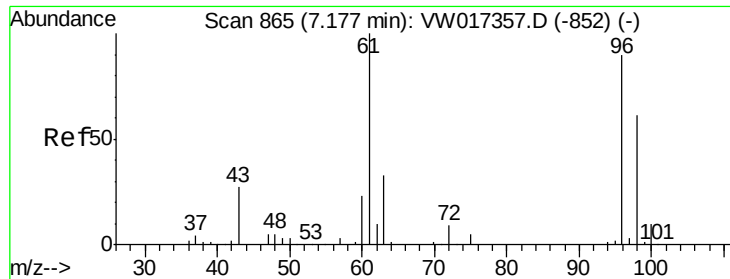
Ion Ratio Lower Upper

84 100

49 117.9 71.5 132.9

86 67.3 42.8 79.4





#21

2-Butanone

Concen: 6.416 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW017365.D

Acq: 19 Nov 2020 12:38

Instrument :

MSVOA_W

ClientSampled :

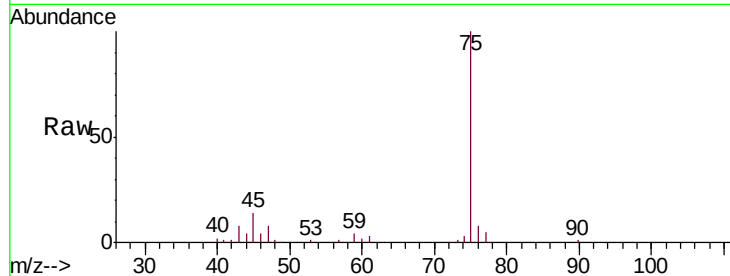
C0B17RE

Tgt Ion: 43 Resp: 2717

Ion Ratio Lower Upper

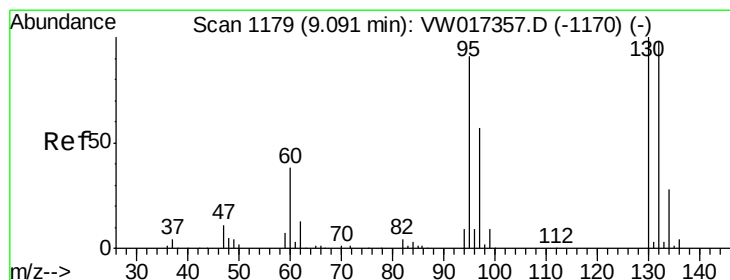
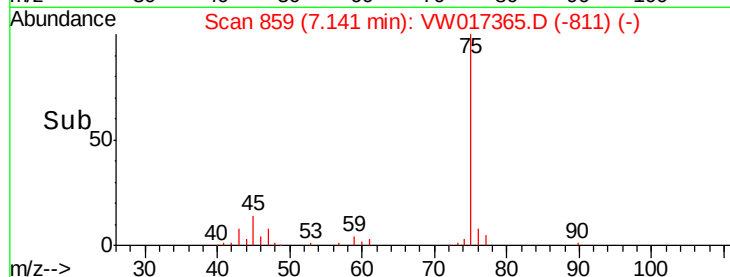
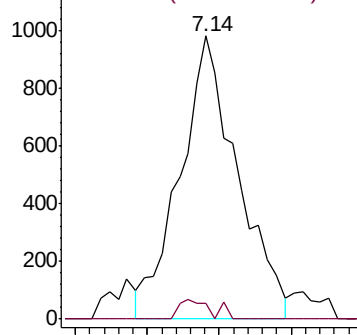
43 100

72 0.8 16.4 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#35

Trichloroethene

Concen: 2.428 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017365.D

Acq: 19 Nov 2020 12:38

Tgt Ion: 95 Resp: 4504

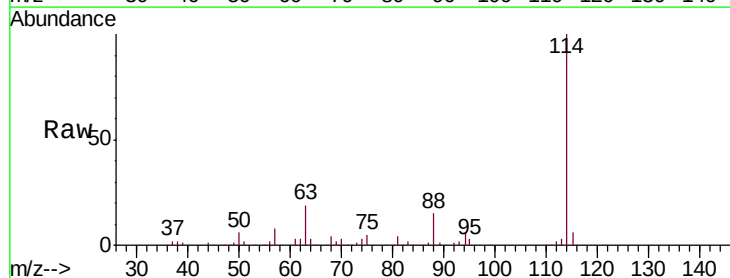
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

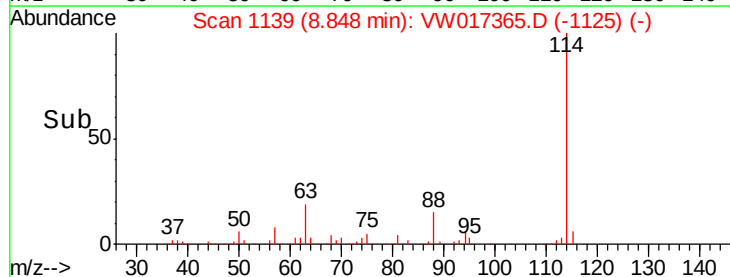
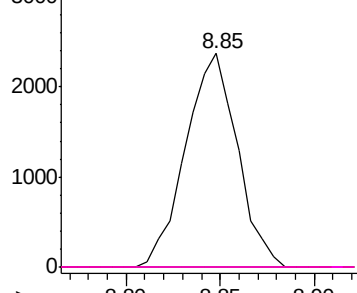


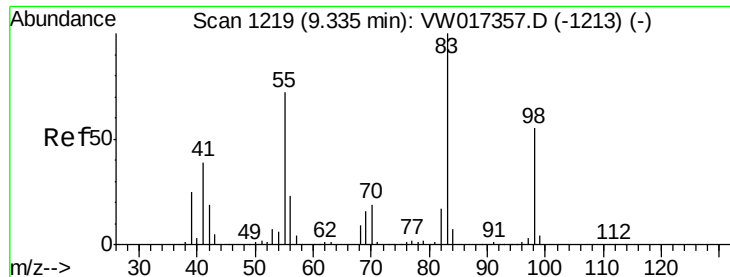
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

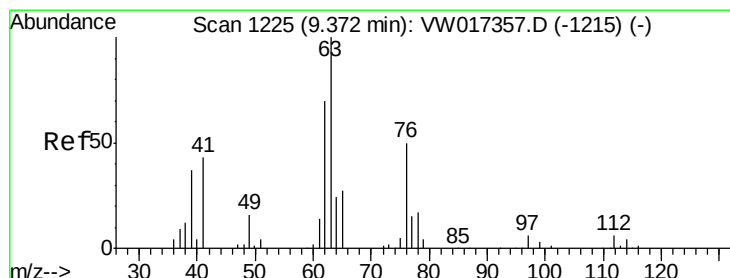
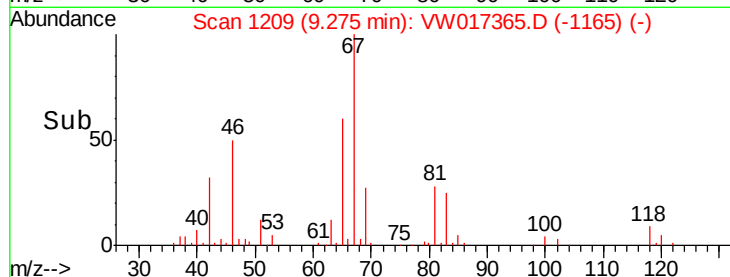
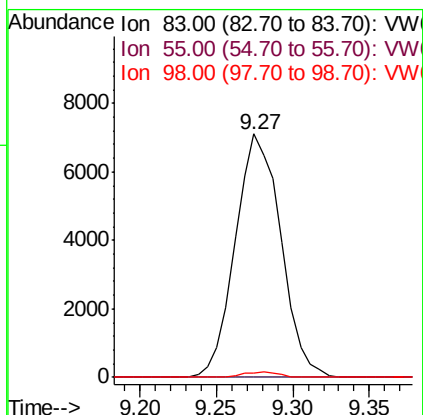
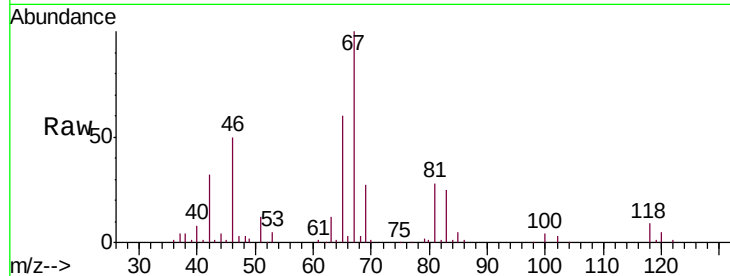




#36
Methylcyclohexane
Concen: 4.954 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017365.D
Acq: 19 Nov 2020 12:38

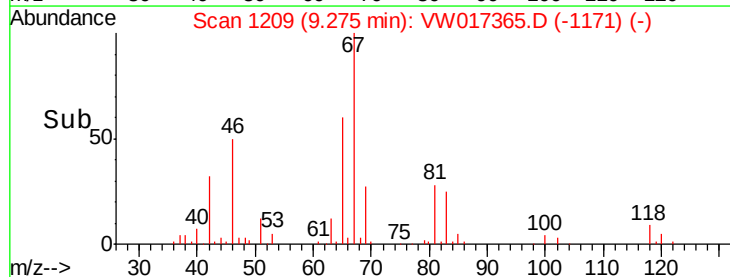
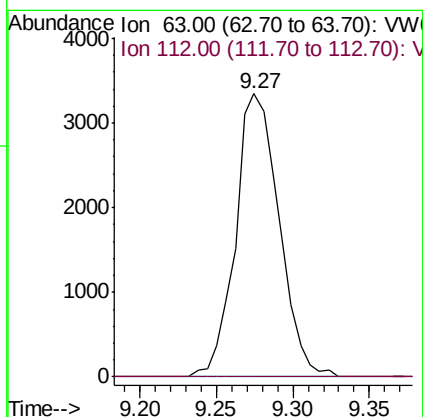
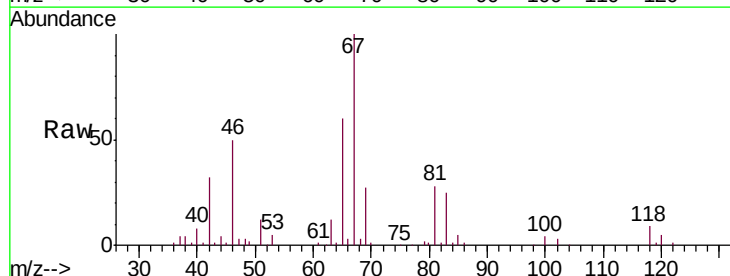
Instrument :
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ClientSampleId :
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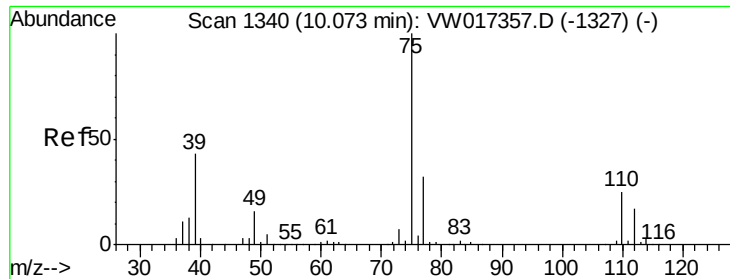
Tgt Ion: 83 Resp: 14683
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 1.7 41.5 62.3#



#40
1,2-Dichloropropane
Concen: 4.461 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW017365.D
Acq: 19 Nov 2020 12:38

Tgt Ion: 63 Resp: 6617
Ion Ratio Lower Upper
63 100
112 0.6 4.2 6.4#





#42

cis-1,3-Dichloropropene

Concen: 0.601 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017365.D

Acq: 19 Nov 2020 12:38

Instrument :

MSVOA_W

ClientSampled :

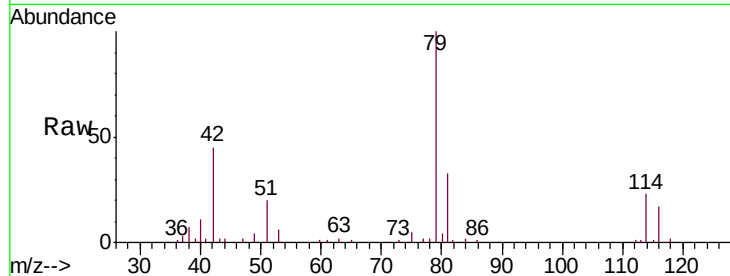
C0B17RE

Tgt Ion: 75 Resp: 1384

Ion Ratio Lower Upper

75 100

77 42.2 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

800

600

400

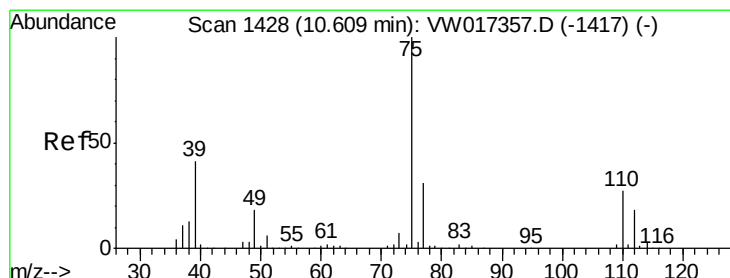
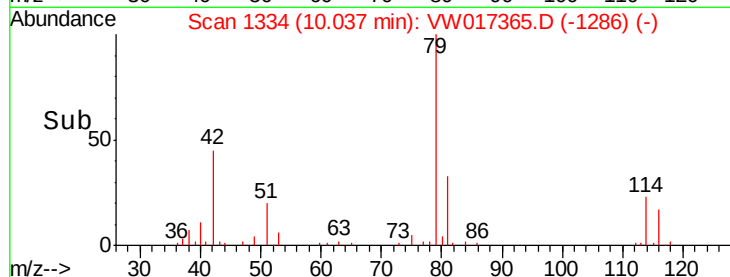
200

0

10.04

10.05

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.480 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017365.D

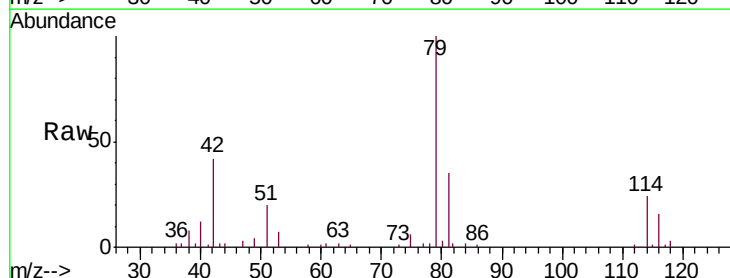
Acq: 19 Nov 2020 12:38

Tgt Ion: 75 Resp: 937

Ion Ratio Lower Upper

75 100

77 39.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

600

400

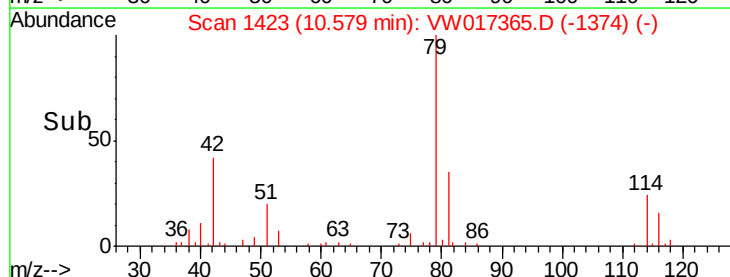
200

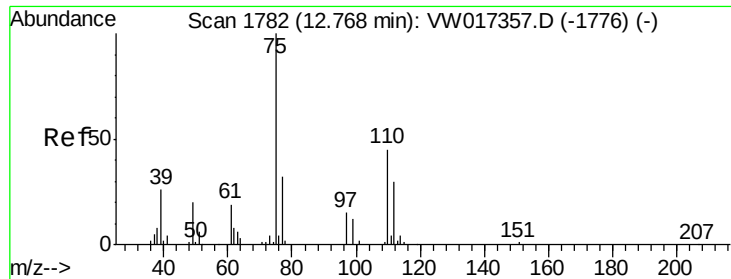
0

10.58

10.60

Time-->





#59

1,2,3-Trichloropropane

Concen: 3.552 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017365.D

Acq: 19 Nov 2020 12:38

Instrument :

MSVOA_W

ClientSampleId :

C0B17RE

Tgt Ion: 75 Resp: 3247

Ion Ratio Lower Upper

75 100

77 31.5 26.6 40.0

