

Data File : VW017352.D
Acq On : 19 Nov 2020 00:56
Operator : SY/VA
Sample : L4749-20
Misc : 4.96G/14ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0B22

Quant Time: Nov 19 05:08:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	357819	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285777	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	97262	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123519	23.32	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.28%
7) Chloroethane-d5	2.89	69	98766	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	4.02	63	154797	16.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.80%
20) 2-Butanone-d5	7.08	46	29368	33.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.52%
24) Chloroform-d	7.65	84	218772	23.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	8.31	65	107575	23.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.72%
29) Benzene-d6	8.27	84	410184	25.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.84%
33) 1,2-Dichloropropane-d6	9.27	67	118604	27.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.52%
37) Toluene-d8	10.32	98	356544	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.04%
38) trans-1,3-Dichloropropene-	10.59	79	35070	18.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.08%
39) 2-Hexanone-d5	10.93	63	20529	35.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77240	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	80278	22.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.44%

Target Compounds

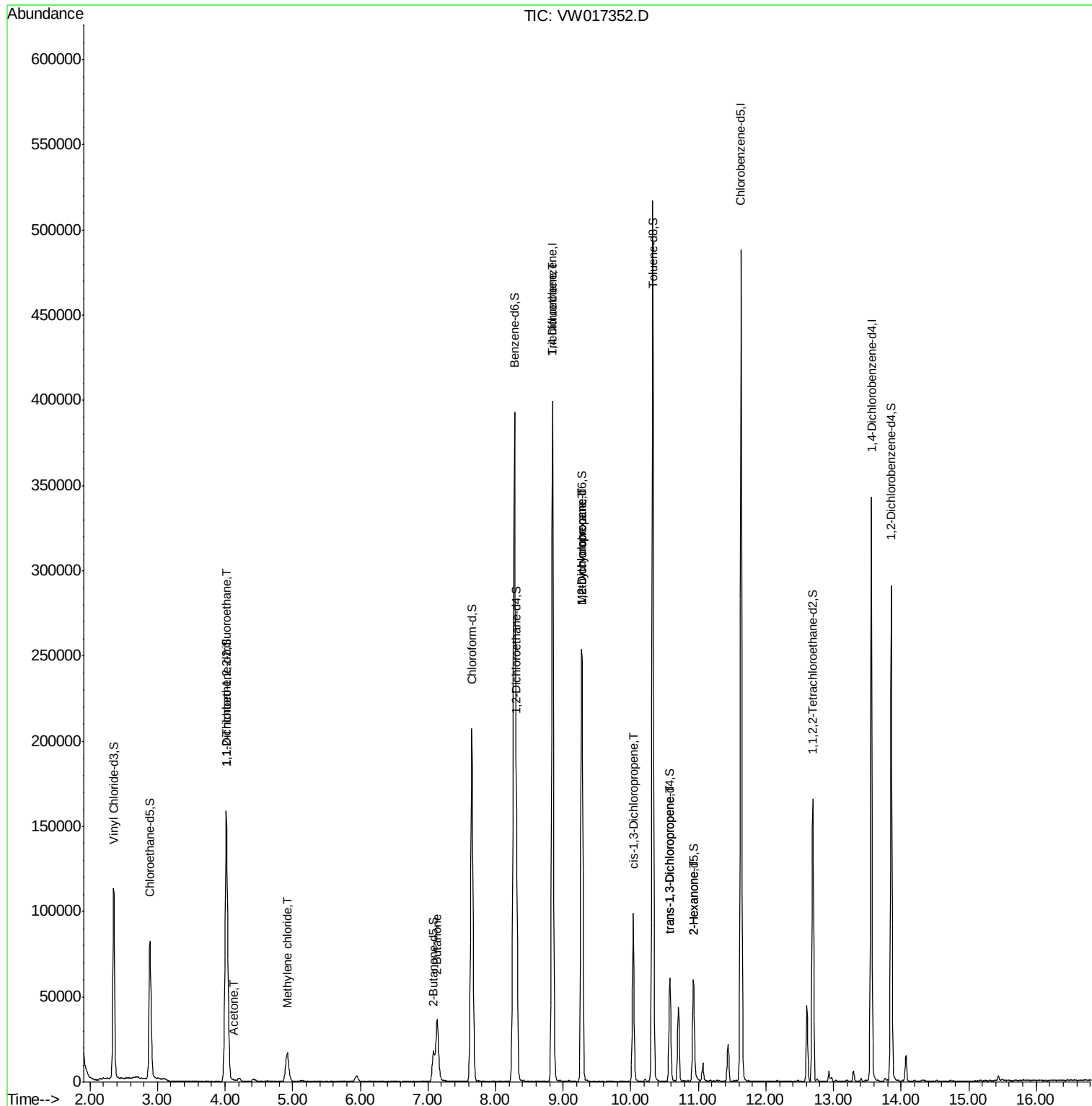
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	1629	0.332 ug/L #	16
13) Acetone	4.14	43	1125	1.772 ug/L	87
16) Methylene chloride	4.93	84	14910	2.436 ug/L	95
21) 2-Butanone	7.13	43	3900	4.008 ug/L #	46
35) Trichloroethene	8.85	95	10797	2.364 ug/L #	2
36) Methylcyclohexane	9.27	83	31002	4.249 ug/L #	22
40) 1,2-Dichloropropane	9.27	63	13439	3.680 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	2868	0.506 ug/L #	74
45) trans-1,3-Dichloropropene	10.58	75	1847	0.385 ug/L	84
49) 2-Hexanone	10.93	43	3984	3.652 ug/L #	58

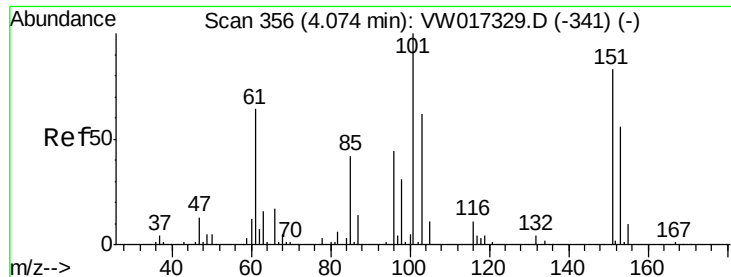
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.332 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.06 min

Lab File: VW017352.D

Acq: 19 Nov 2020 00:56

Instrument :

MSVOA_W

ClientSampled :

C0B22

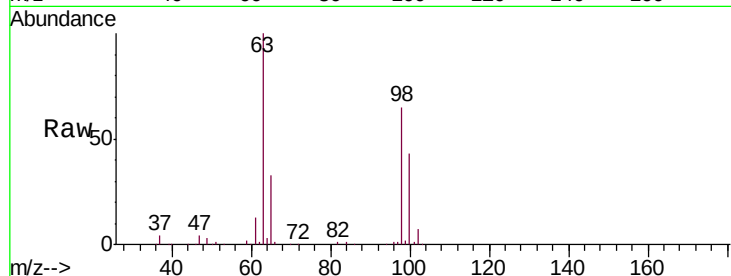
Tgt Ion: 101 Resp: 1629

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

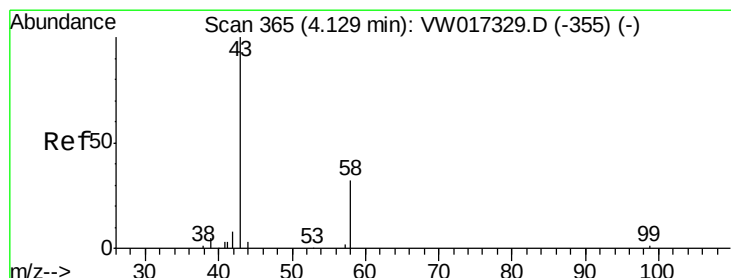
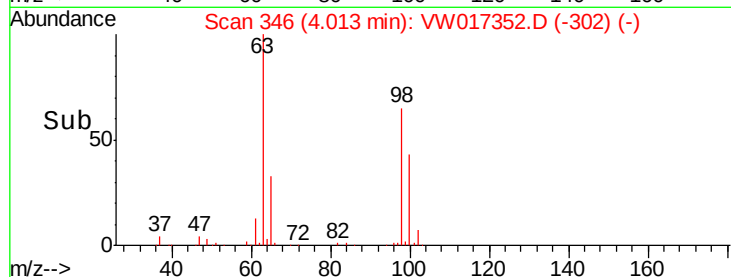
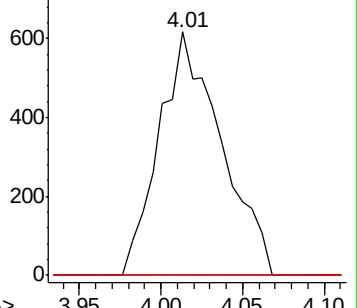
151 0.0 66.3 99.5#



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: 1.772 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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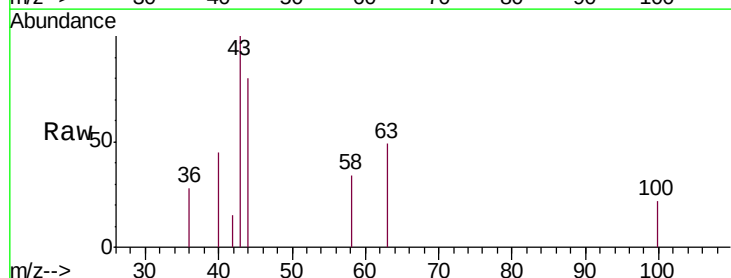
Acq: 19 Nov 2020 00:56

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

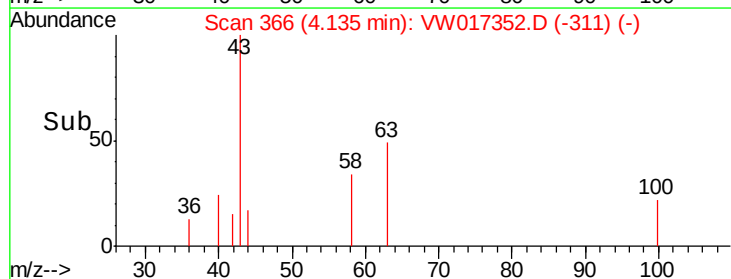
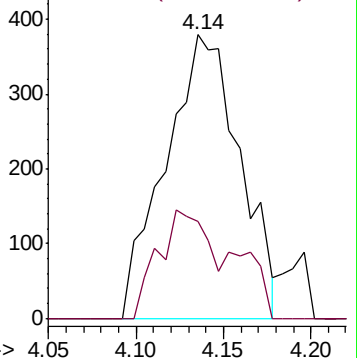
43 100

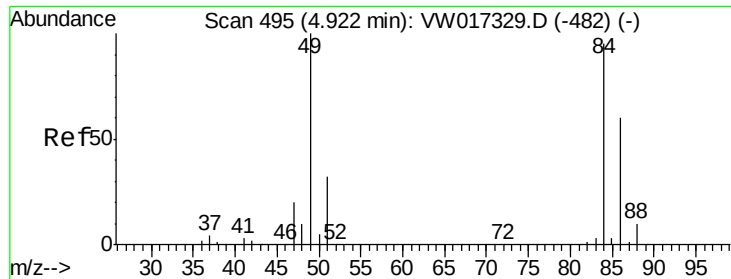
58 26.1 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

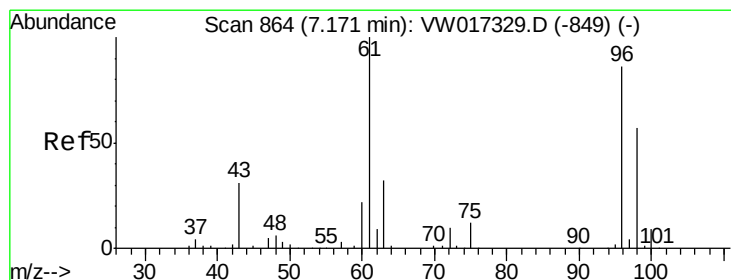
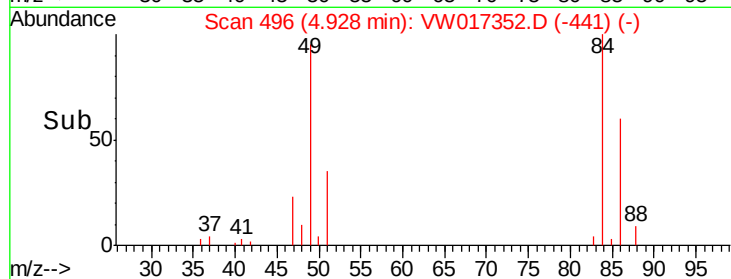
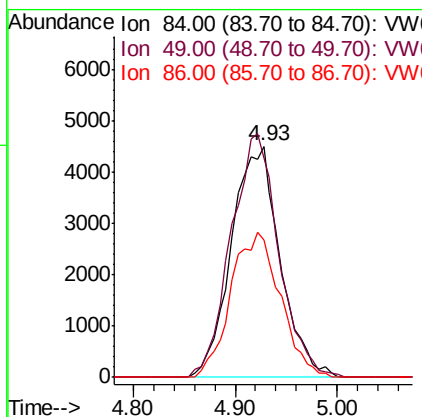
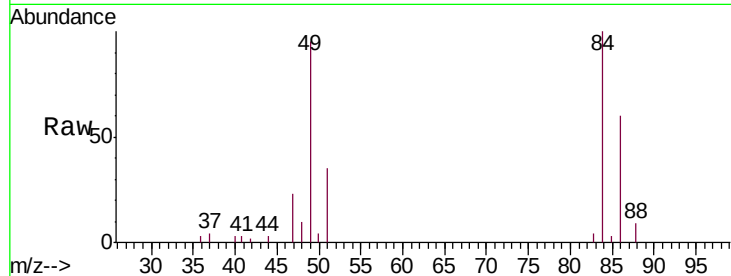




#16
Methylene chloride
Concen: 2.436 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017352.D
Acq: 19 Nov 2020 00:56

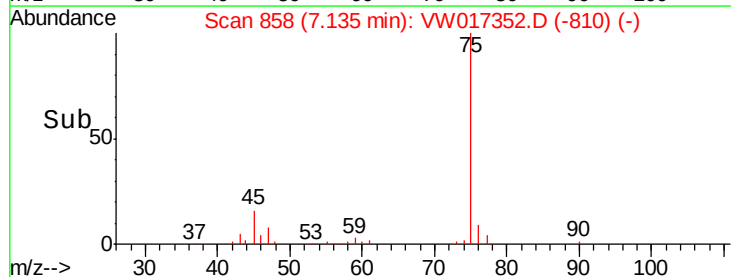
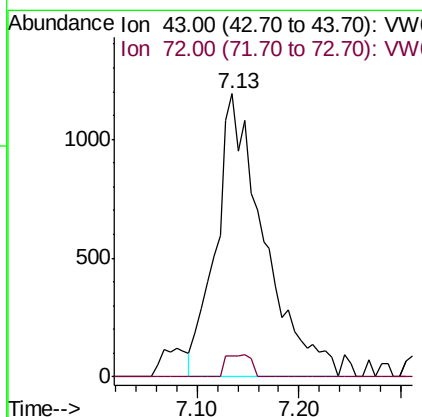
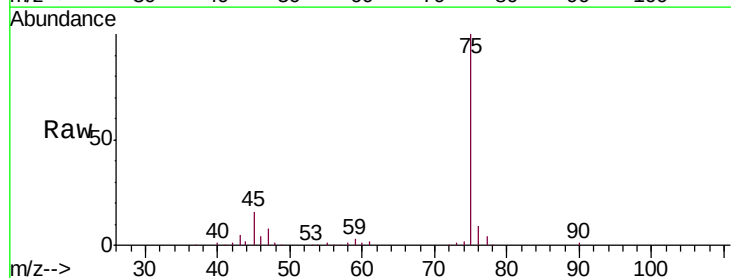
Instrument :
MSVOA_W
ClientSampleId :
C0B22

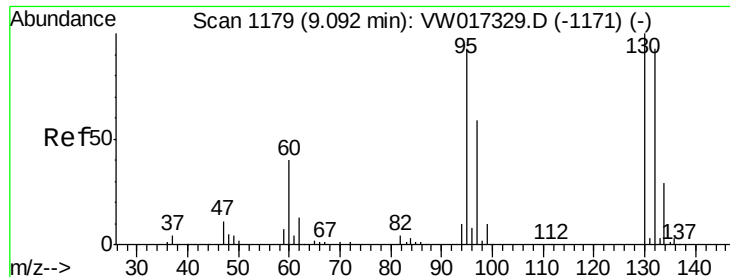
Tgt Ion: 84 Resp: 14910
Ion Ratio Lower Upper
84 100
49 94.9 71.5 132.9
86 59.6 42.8 79.4



#21
2-Butanone
Concen: 4.008 ug/L
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW017352.D
Acq: 19 Nov 2020 00:56

Tgt Ion: 43 Resp: 3900
Ion Ratio Lower Upper
43 100
72 2.5 16.4 49.1#





#35

Trichloroethene

Concen: 2.364 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017352.D

Acq: 19 Nov 2020 00:56

Instrument :

MSVOA_W

ClientSampleId :

C0B22

Tgt Ion: 95 Resp: 10797

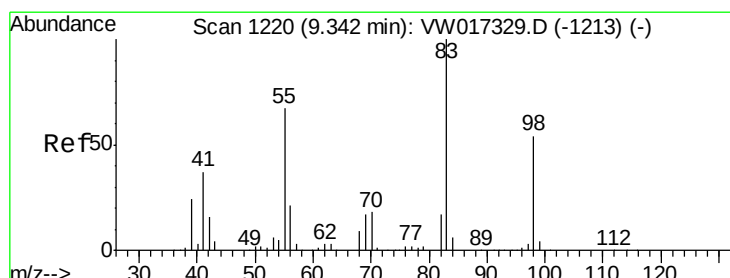
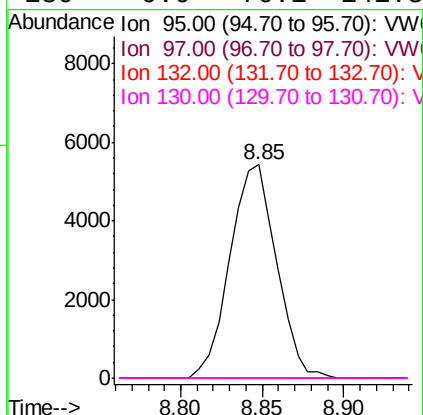
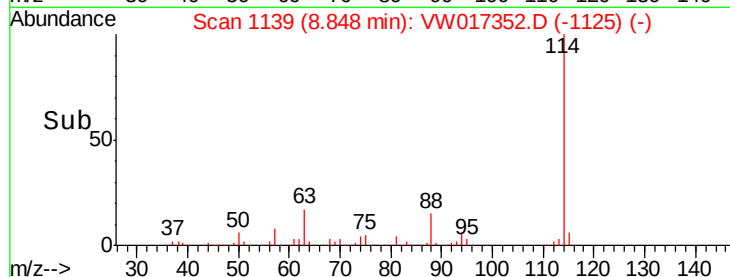
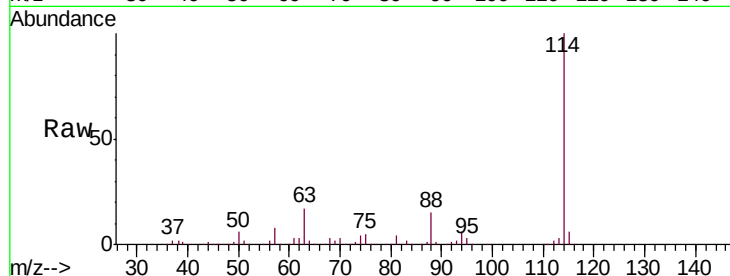
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.5 72.7 134.9#

130 0.0 76.1 141.3#



#36

Methylcyclohexane

Concen: 4.249 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.07 min

Lab File: VW017352.D

Acq: 19 Nov 2020 00:56

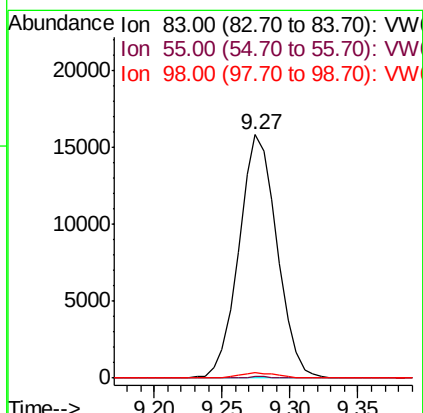
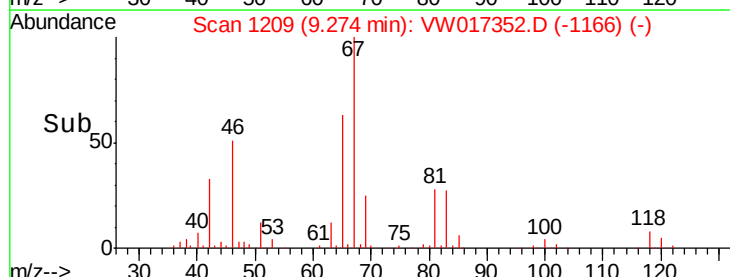
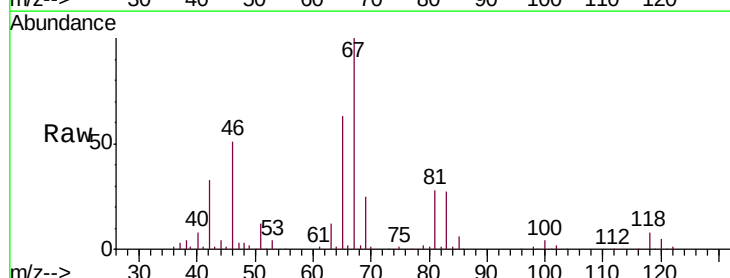
Tgt Ion: 83 Resp: 31002

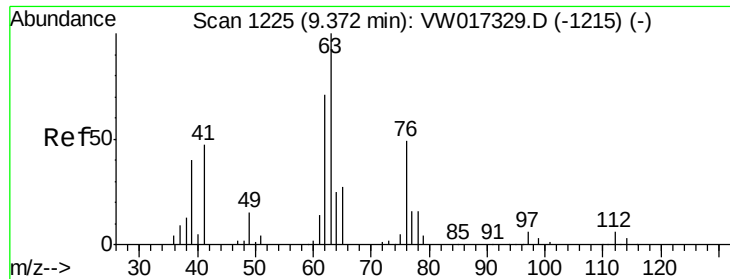
Ion Ratio Lower Upper

83 100

55 0.3 54.6 81.8#

98 2.1 41.5 62.3#

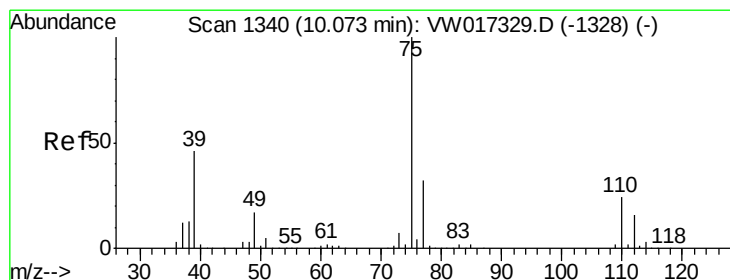
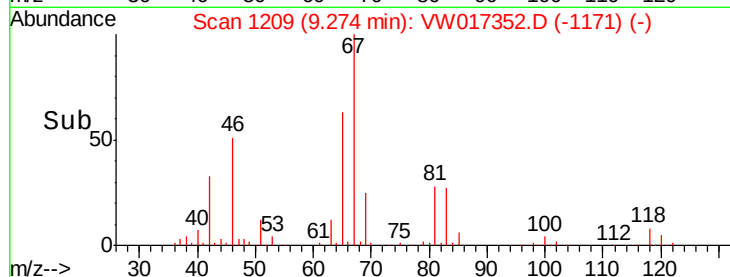
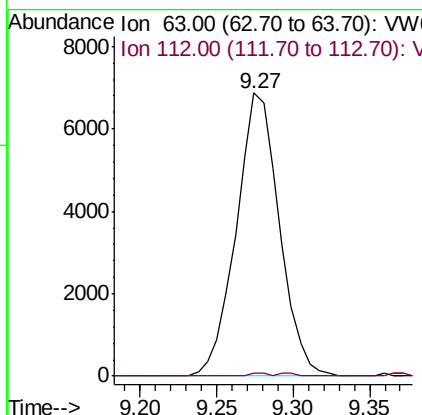
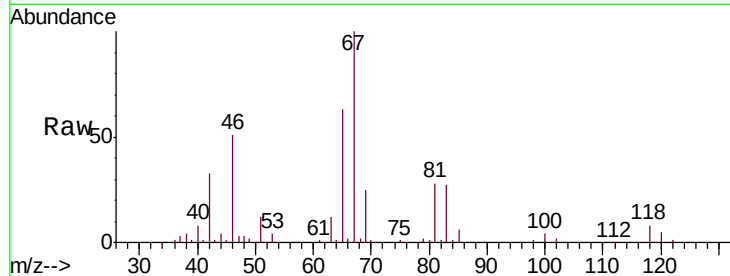




#40
 1,2-Dichloropropane
 Concen: 3.680 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW017352.D
 Acq: 19 Nov 2020 00:56

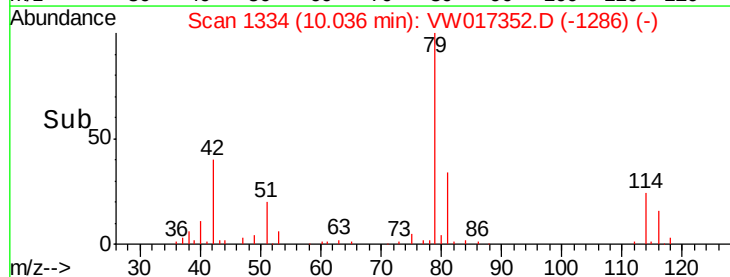
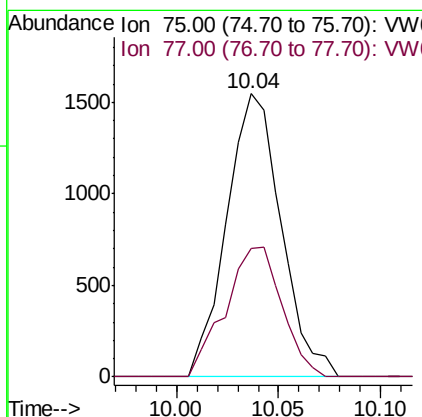
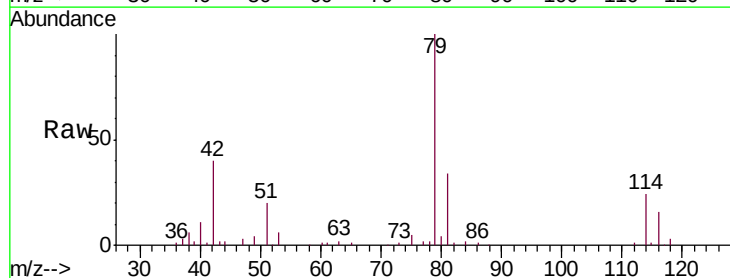
Instrument :
 MSVOA_W
 ClientSampleId :
 C0B22

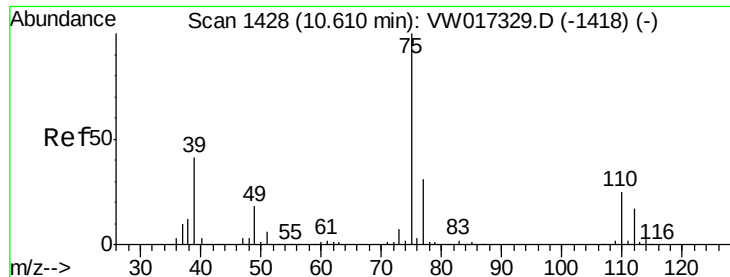
Tgt Ion: 63 Resp: 13439
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.2 6.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.506 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017352.D
 Acq: 19 Nov 2020 00:56

Tgt Ion: 75 Resp: 2868
 Ion Ratio Lower Upper
 75 100
 77 45.3 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.385 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017352.D

Acq: 19 Nov 2020 00:56

Instrument :

MSVOA_W

ClientSampled :

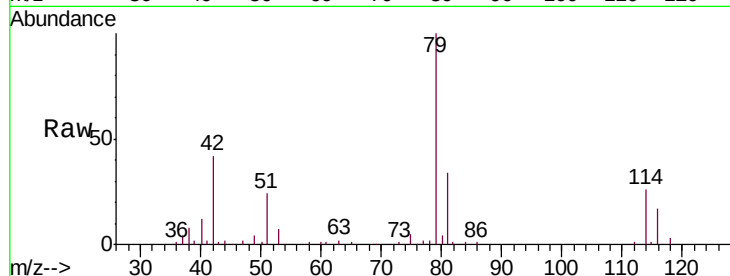
C0B22

Tgt Ion: 75 Resp: 1847

Ion Ratio Lower Upper

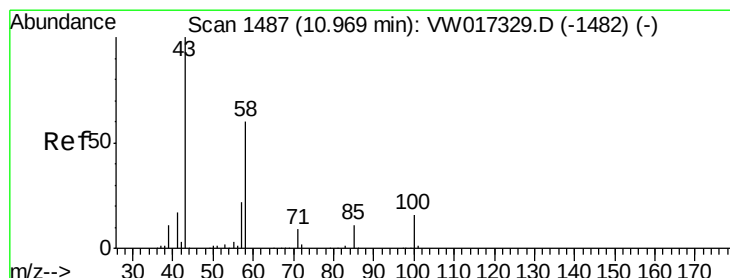
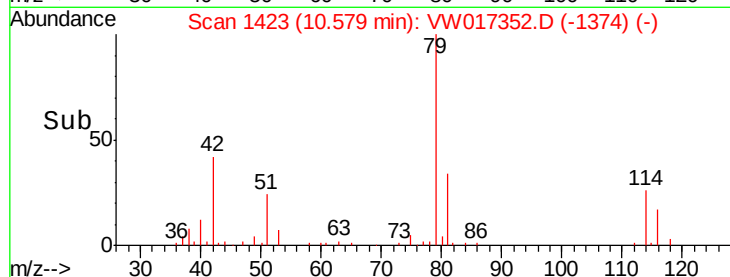
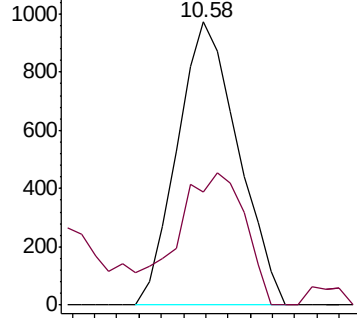
75 100

77 40.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 3.652 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW017352.D

Acq: 19 Nov 2020 00:56

Tgt Ion: 43 Resp: 3984

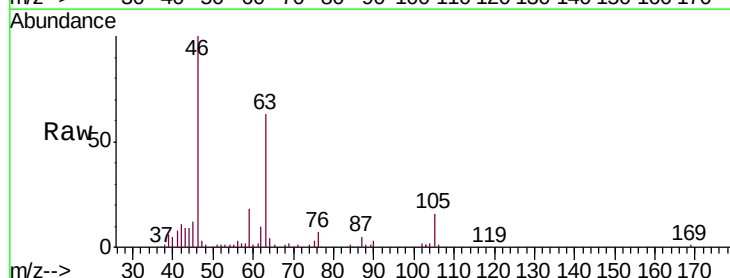
Ion Ratio Lower Upper

43 100

58 19.5 49.4 74.0#

57 18.4 17.0 25.4

100 0.0 13.1 19.7#



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

