

Data File : VW017384.D
Acq On : 19 Nov 2020 21:12
Operator : SY/VA
Sample : L4751-22
Misc : 4.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AY2

Quant Time: Nov 20 04:38:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 04:37:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	376868	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321585	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	125405	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111839	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.16%
7) Chloroethane-d5	2.89	69	92051	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.08%
10) 1,1-Dichloroethene-d2	4.03	63	143645	14.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.88%
20) 2-Butanone-d5	7.08	46	25010	27.30	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.60%
24) Chloroform-d	7.65	84	200821	20.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.12%
26) 1,2-Dichloroethane-d4	8.31	65	97419	20.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.44%
29) Benzene-d6	8.28	84	391707	21.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.44%
33) 1,2-Dichloropropane-d6	9.27	67	106994	22.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.60%
37) Toluene-d8	10.33	98	350278	20.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.08%
38) trans-1,3-Dichloropropene-	10.58	79	33854	16.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.40%
39) 2-Hexanone-d5	10.93	63	17755	27.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	70289	19.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	93986	20.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.20%

Target Compounds

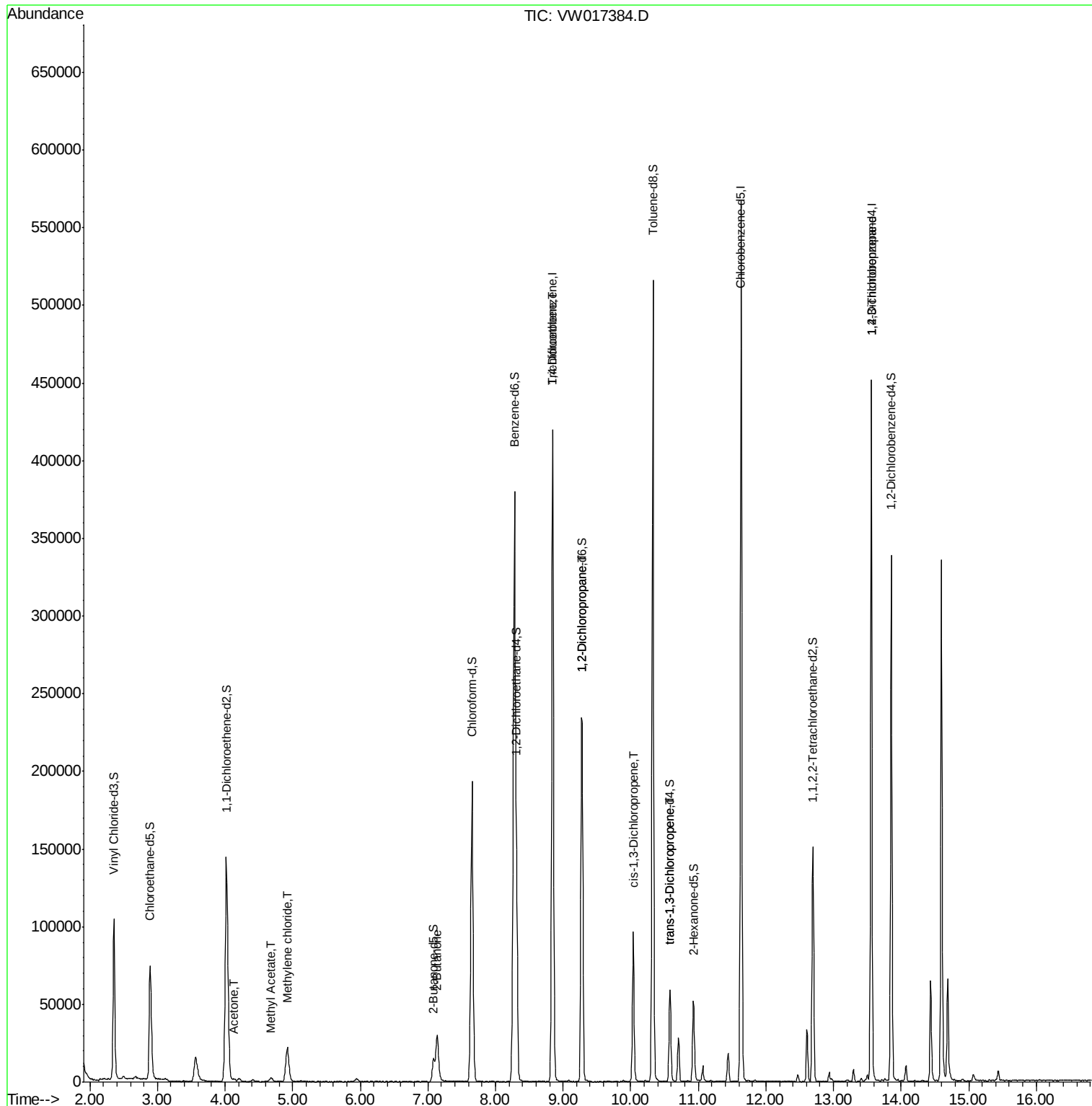
					Qvalue
13) Acetone	4.13	43	335	0.501 ug/L #	1
15) Methyl Acetate	4.67	43	4604	3.145 ug/L #	76
16) Methylene chloride	4.93	84	19477	3.021 ug/L	95
21) 2-Butanone	7.13	43	1816	1.772 ug/L #	51
35) Trichloroethene	8.84	95	11260	2.191 ug/L #	2
40) 1,2-Dichloropropane	9.28	63	12633	3.074 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	2681	0.420 ug/L #	58
45) trans-1,3-Dichloropropene	10.58	75	1531	0.283 ug/L	89
59) 1,2,3-Trichloropropane	13.56	75	13523	5.340 ug/L	98

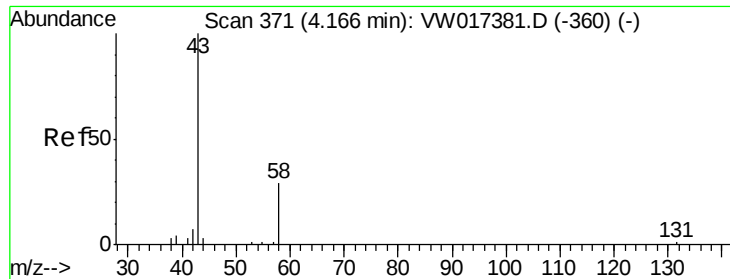
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.501 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.04 min

Lab File: VW017384.D

Acq: 19 Nov 2020 21:12

Instrument :

MSVOA_W

ClientSampleId :

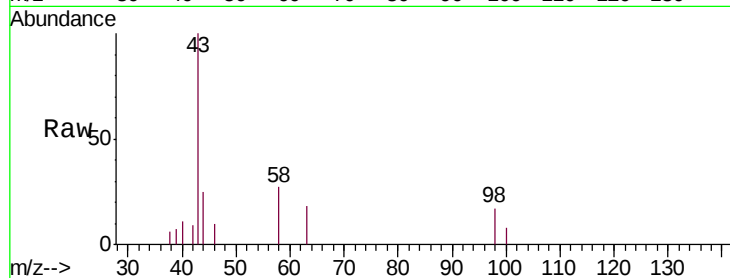
C0AY2

Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

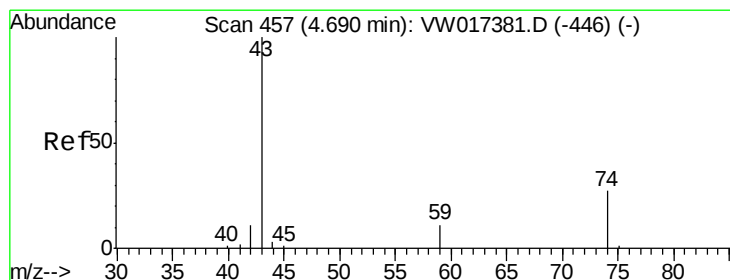
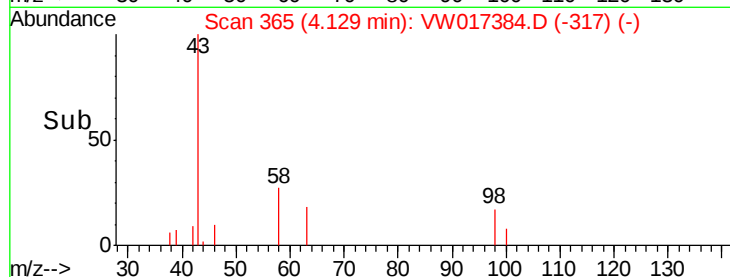
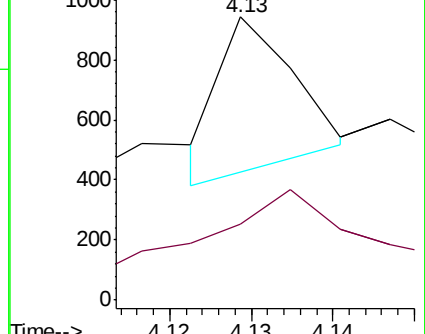
43 100

58 231.9 0.0 67.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#15

Methyl Acetate

Concen: 3.145 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.02 min

Lab File: VW017384.D

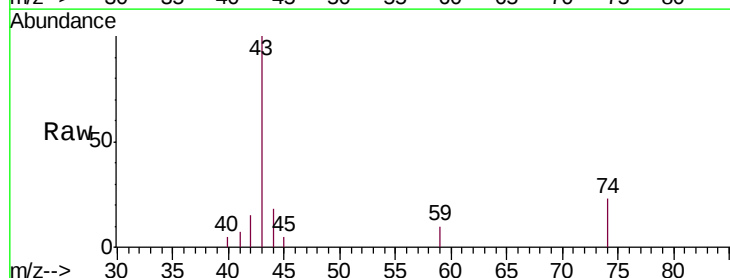
Acq: 19 Nov 2020 21:12

Tgt Ion: 43 Resp: 4604

Ion Ratio Lower Upper

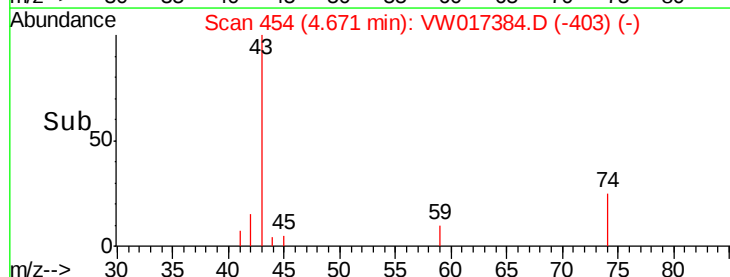
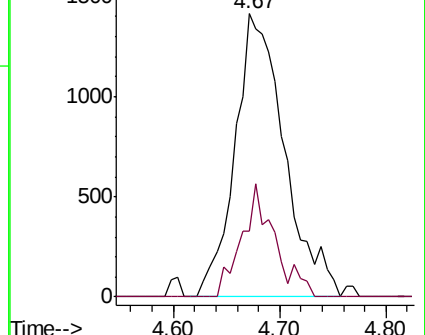
43 100

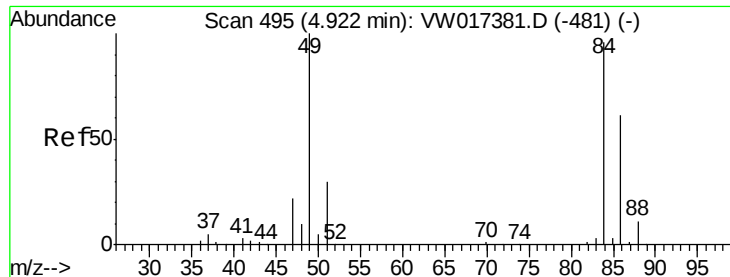
74 16.5 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

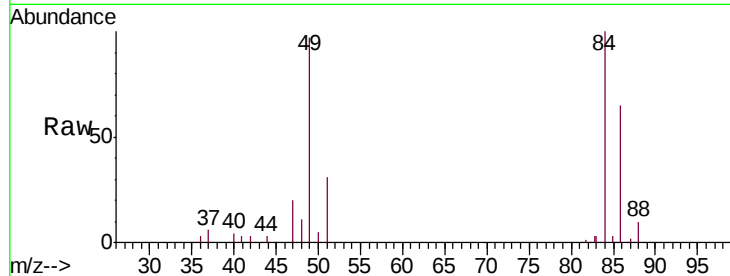




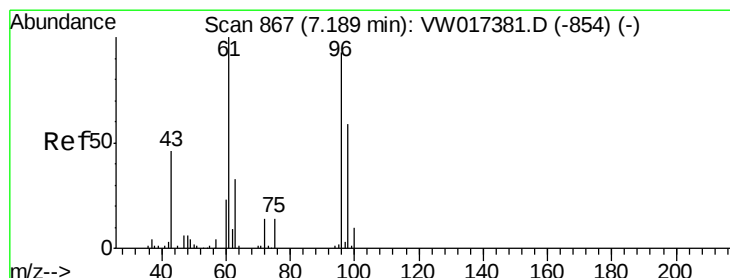
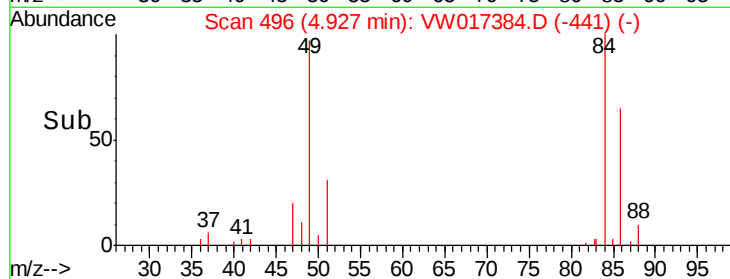
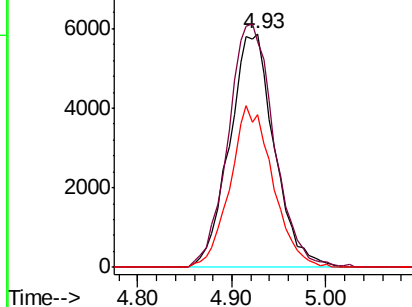
#16
Methylene chloride
Concen: 3.021 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017384.D
Acq: 19 Nov 2020 21:12

Instrument :
MSVOA_W
ClientSampled :
C0AY2

Tgt Ion: 84 Resp: 19477
Ion Ratio Lower Upper
84 100
49 96.9 71.5 132.9
86 65.2 42.8 79.4

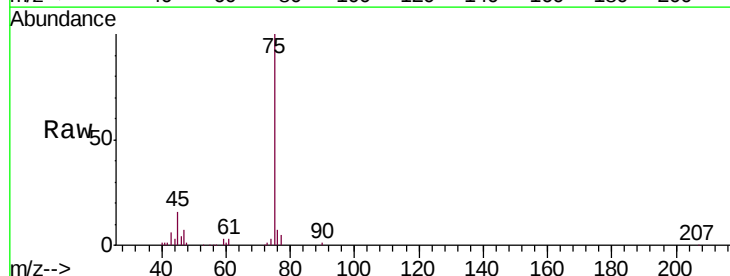


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

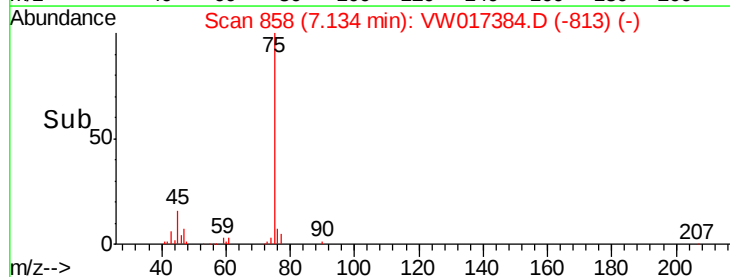
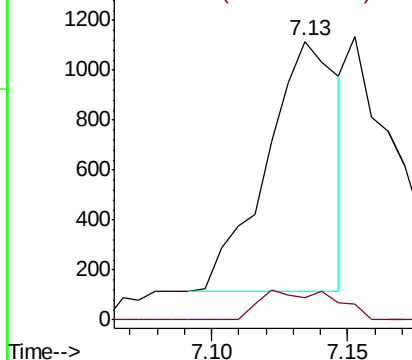


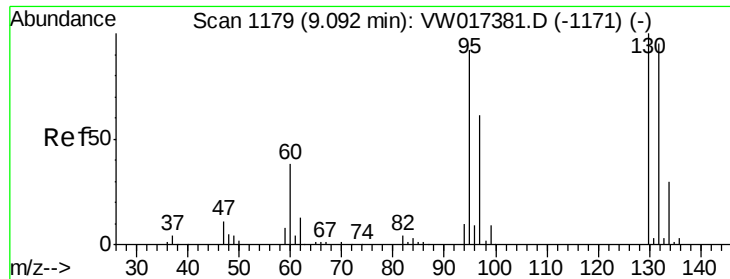
#21
2-Butanone
Concen: 1.772 ug/L
RT: 7.13 min Scan# 858
Delta R.T. -0.06 min
Lab File: VW017384.D
Acq: 19 Nov 2020 21:12

Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
72 5.1 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: 2.191 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017384.D

Acq: 19 Nov 2020 21:12

Instrument :

MSVOA_W

ClientSampleId :

C0AY2

Tgt Ion: 95 Resp: 11260

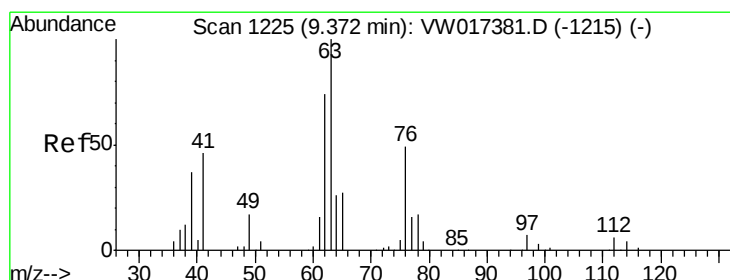
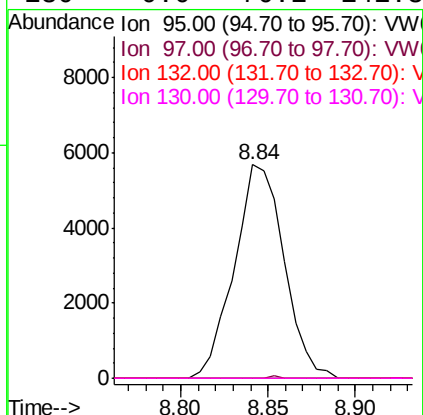
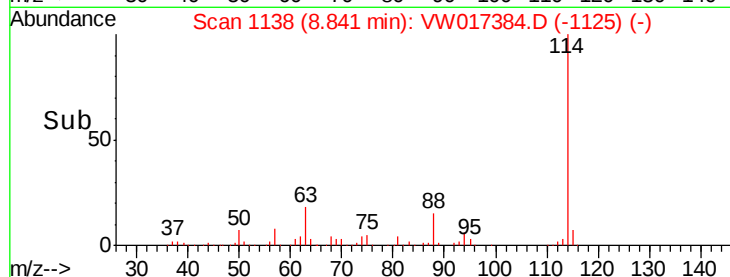
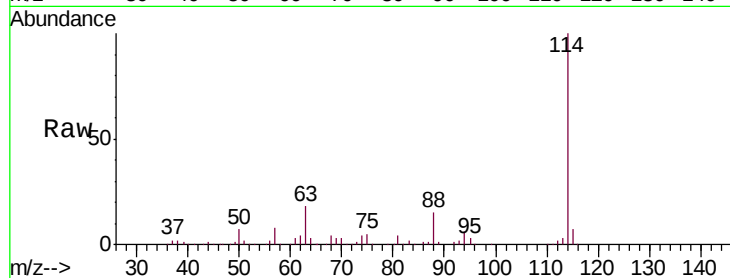
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#



#40

1,2-Dichloropropane

Concen: 3.074 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017384.D

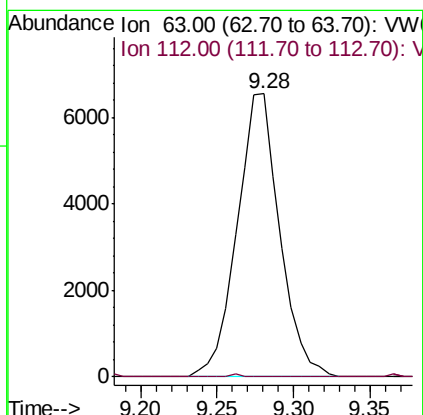
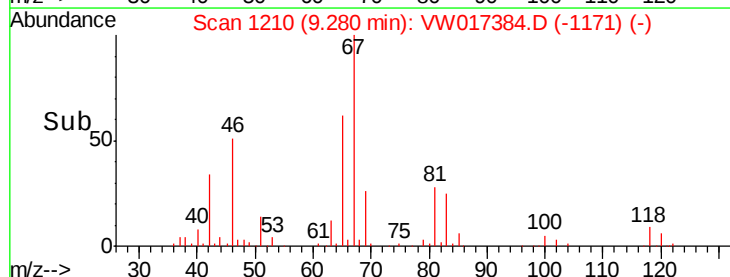
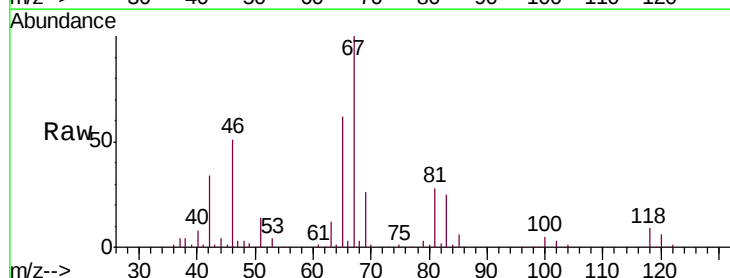
Acq: 19 Nov 2020 21:12

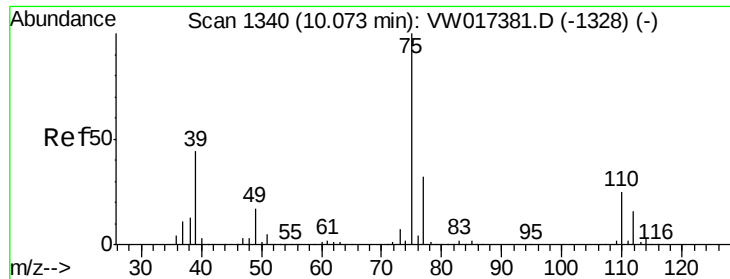
Tgt Ion: 63 Resp: 12633

Ion Ratio Lower Upper

63 100

112 0.3 4.2 6.4#





#42

cis-1,3-Dichloropropene

Concen: 0.420 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017384.D

Acq: 19 Nov 2020 21:12

Instrument :

MSVOA_W

ClientSampleId :

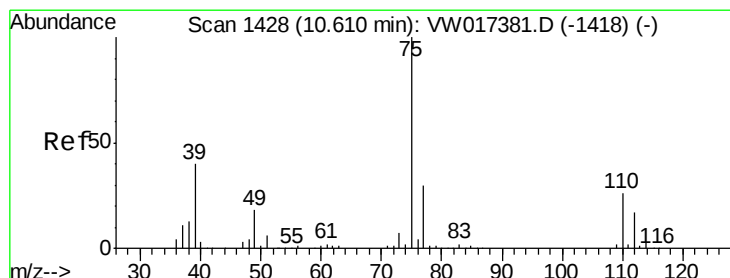
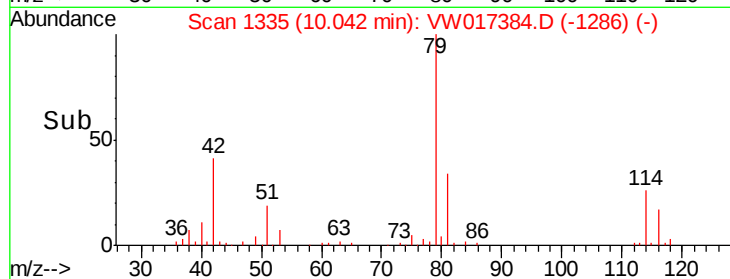
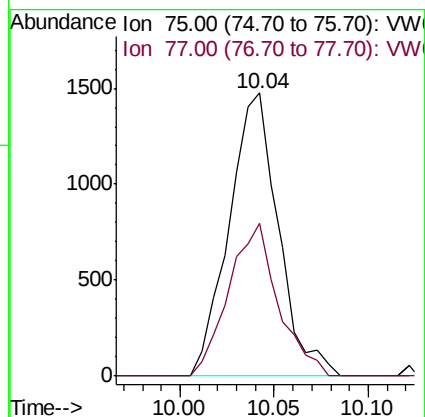
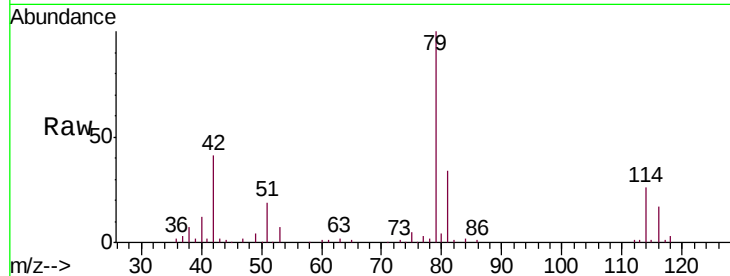
C0AY2

Tgt Ion: 75 Resp: 2681

Ion Ratio Lower Upper

75 100

77 54.1 21.8 40.4#



#45

trans-1,3-Dichloropropene

Concen: 0.283 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017384.D

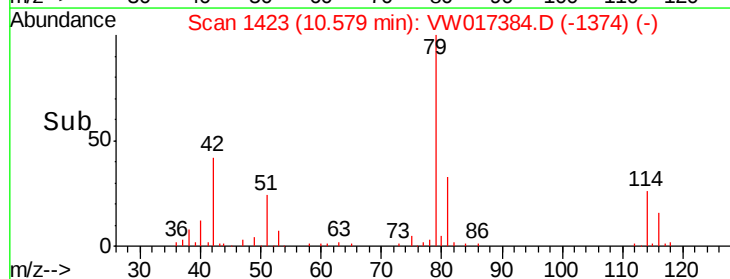
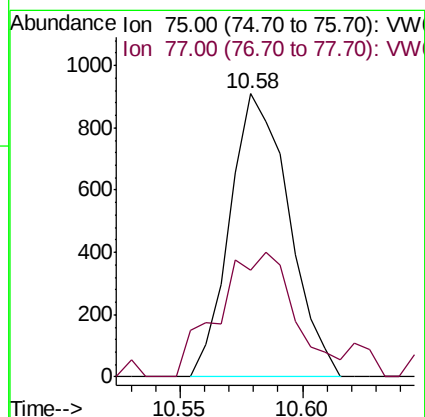
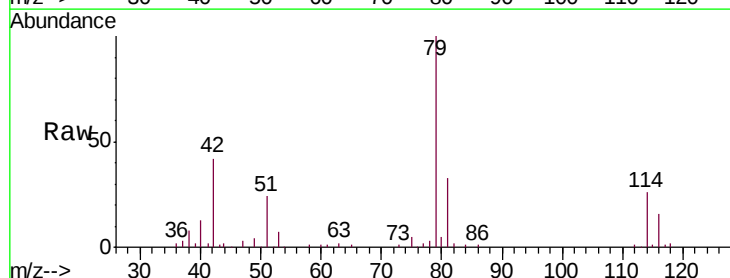
Acq: 19 Nov 2020 21:12

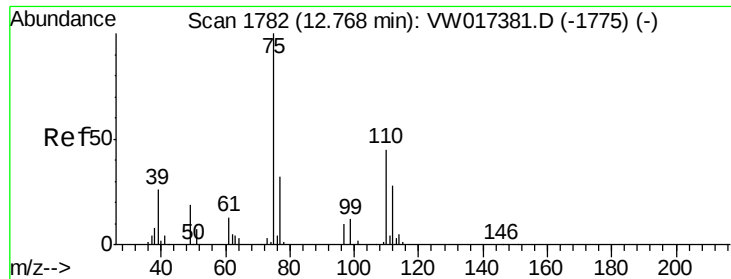
Tgt Ion: 75 Resp: 1531

Ion Ratio Lower Upper

75 100

77 37.5 22.0 40.8





#59
 1,2,3-Trichloropropane
 Concen: 5.340 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW017384.D
 Acq: 19 Nov 2020 21:12

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AY2

Tgt Ion: 75 Resp: 13523
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.6 40.0

