

Data File : VW017394.D
Acq On : 20 Nov 2020 01:07
Operator : SY/VA
Sample : L4819-04
Misc : 4.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AZ4

Quant Time: Nov 20 04:39:56 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	329695	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	262063	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	79119	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104167	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
7) Chloroethane-d5	2.89	69	89108	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
10) 1,1-Dichloroethene-d2	4.02	63	133802	15.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.68%
20) 2-Butanone-d5	7.08	46	24289	30.30	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.60%
24) Chloroform-d	7.65	84	199053	22.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	8.31	65	101824	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
29) Benzene-d6	8.27	84	369079	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	9.27	67	106169	26.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.92%
37) Toluene-d8	10.32	98	310706	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.36%
38) trans-1,3-Dichloropropene-	10.58	79	32854	19.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.68%
39) 2-Hexanone-d5	10.93	63	17629	33.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	68670	23.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	67213	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

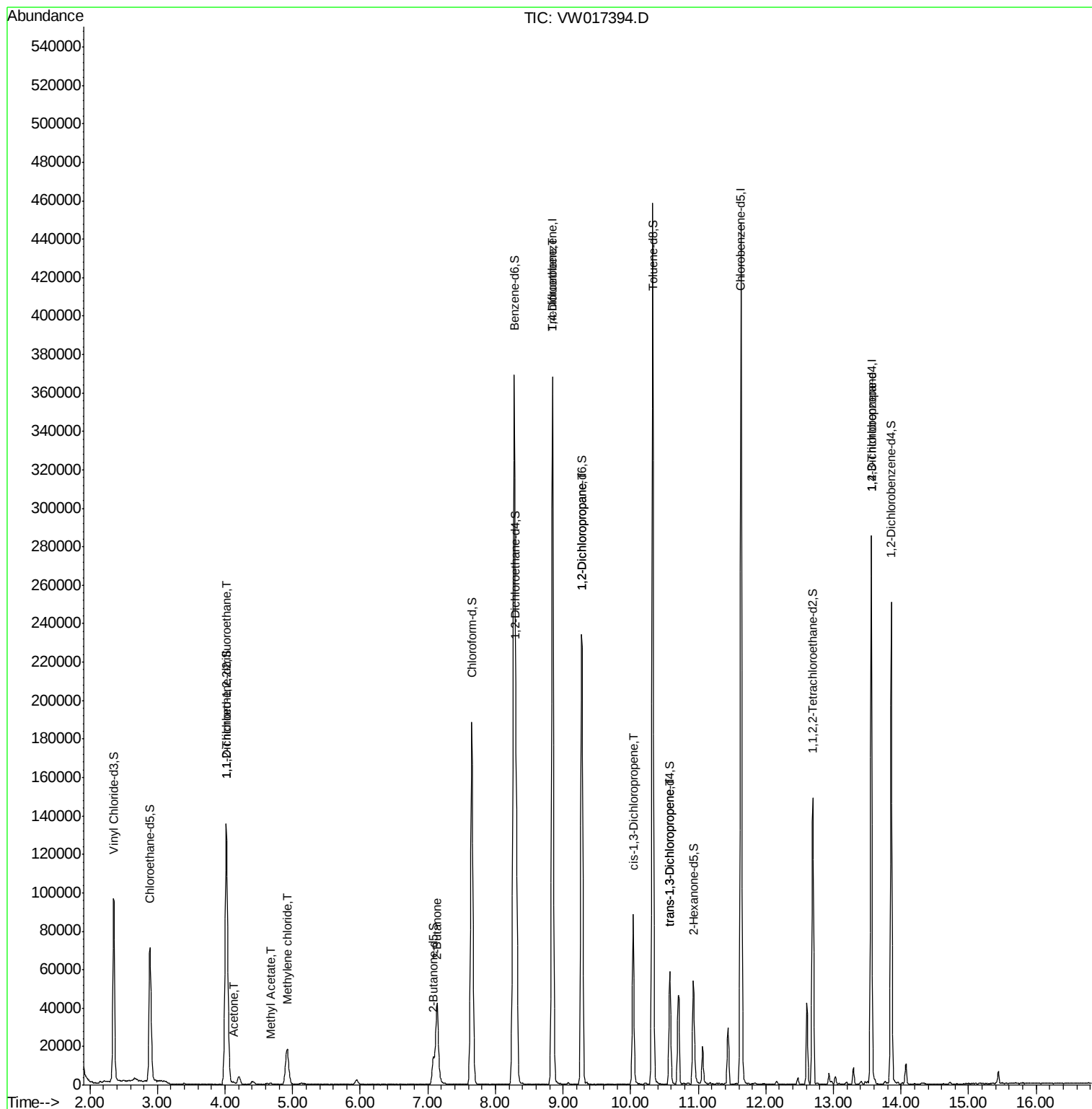
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1434	0.317 ug/L #	16
13) Acetone	4.12	43	914	1.563 ug/L	98
15) Methyl Acetate	4.67	43	1136	0.887 ug/L #	81
16) Methylene chloride	4.92	84	16425	2.913 ug/L	97
21) 2-Butanone	7.15	43	5954	6.641 ug/L #	49
35) Trichloroethene	8.84	95	9697	2.316 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	12393	3.701 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	2482	0.478 ug/L #	81
45) trans-1,3-Dichloropropene	10.59	75	1474	0.335 ug/L	83
59) 1,2,3-Trichloropropane	13.56	75	8626	4.180 ug/L	99

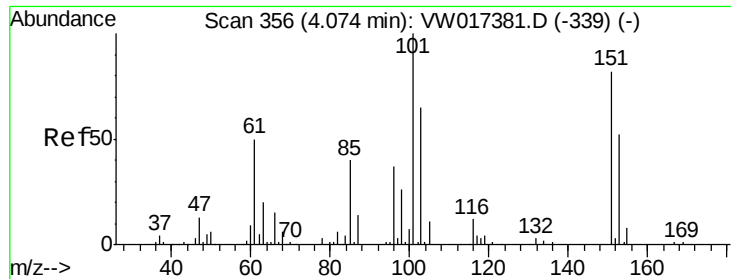
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.317 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017394.D

Acq: 20 Nov 2020 01:07

Instrument :

MSVOA_W

ClientSampled :

C0AZ4

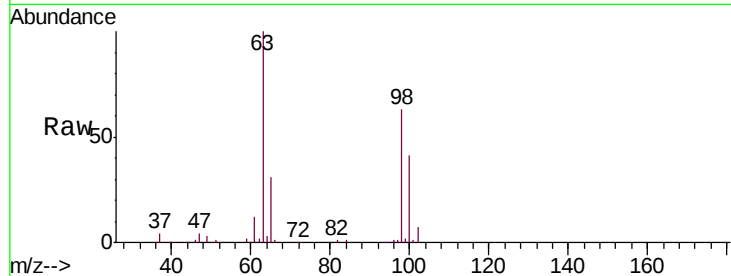
Tgt Ion: 101 Resp: 1434

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

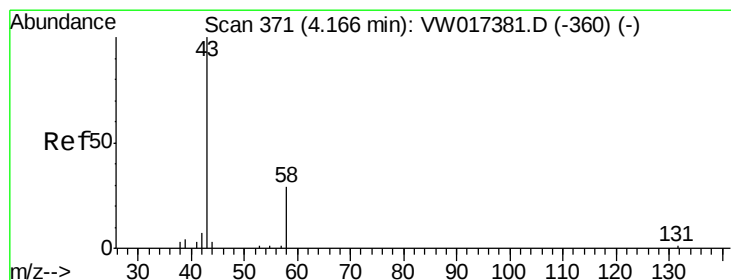
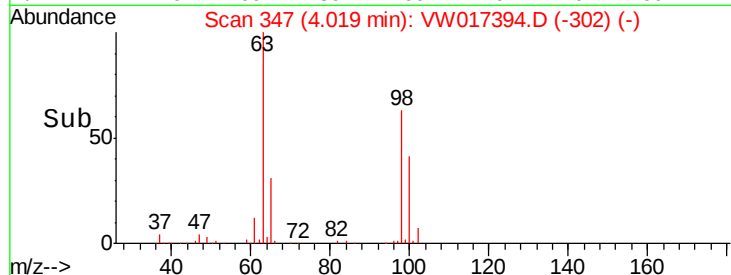
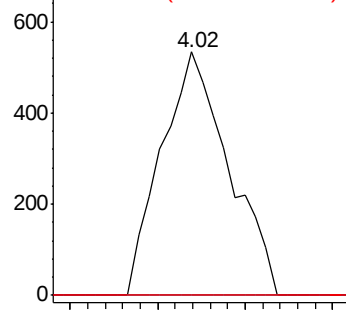
151 0.0 66.3 99.5#



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: 1.563 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.04 min

Lab File: VW017394.D

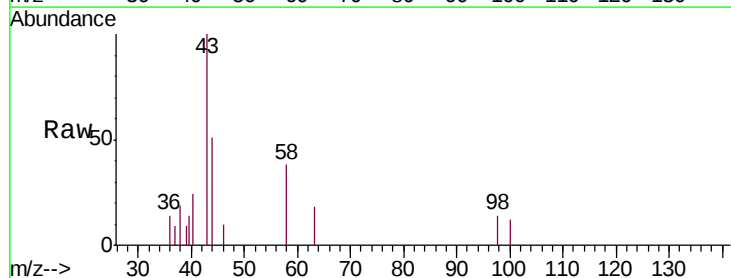
Acq: 20 Nov 2020 01:07

Tgt Ion: 43 Resp: 914

Ion Ratio Lower Upper

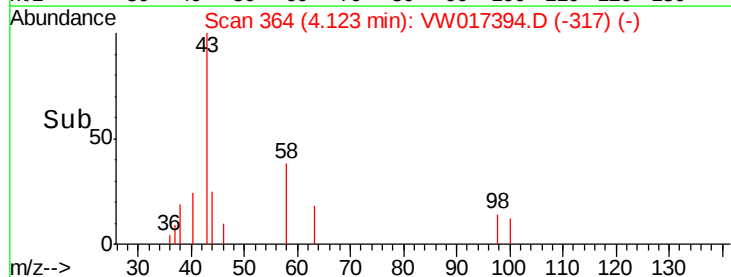
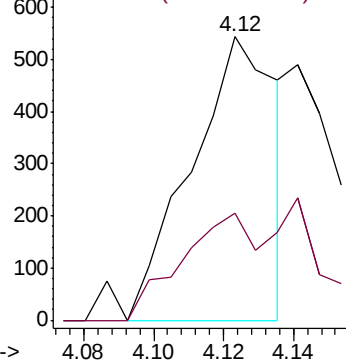
43 100

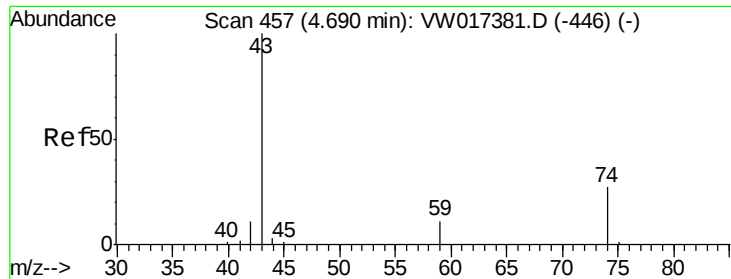
58 32.6 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#15

Methyl Acetate

Concen: 0.887 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.02 min

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Instrument :

MSVOA_W

ClientSampleId :

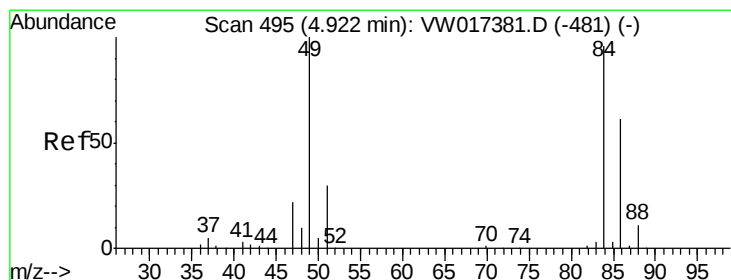
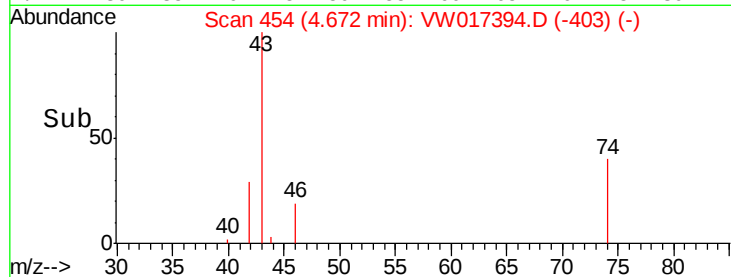
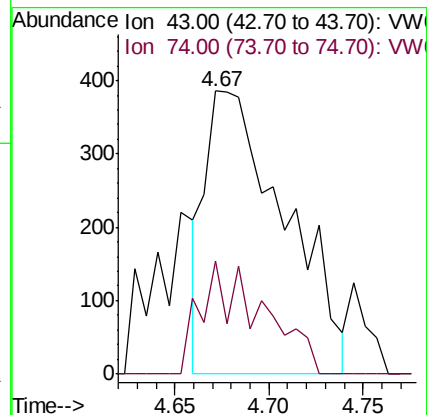
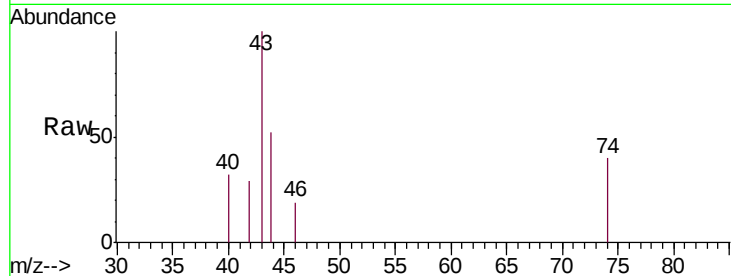
C0AZ4

Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

74 19.5 23.7 35.5#



#16

Methylene chloride

Concen: 2.913 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017394.D

Acq: 20 Nov 2020 01:07

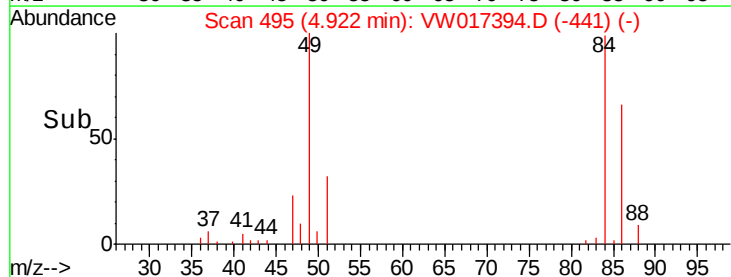
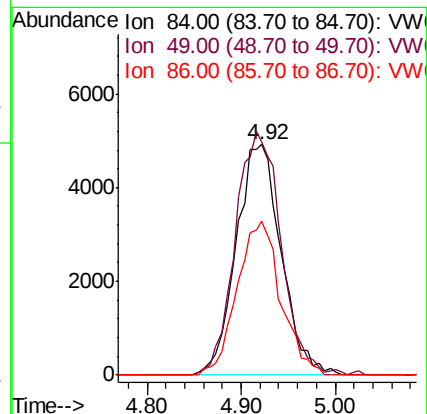
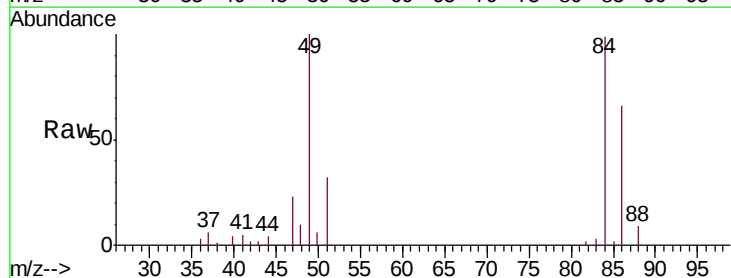
Tgt Ion: 84 Resp: 16425

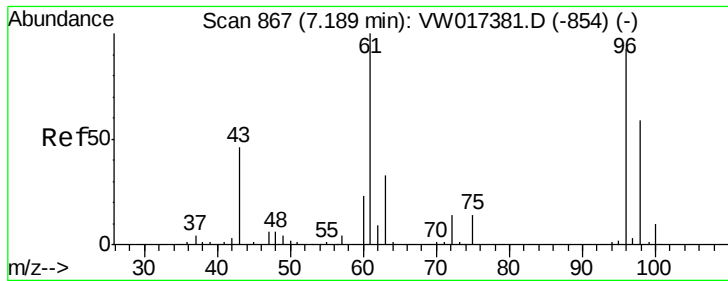
Ion Ratio Lower Upper

84 100

49 101.3 71.5 132.9

86 66.8 42.8 79.4





#21

2-Butanone

Concen: 6.641 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW017394.D

Acq: 20 Nov 2020 01:07

Instrument :

MSVOA_W

ClientSampleId :

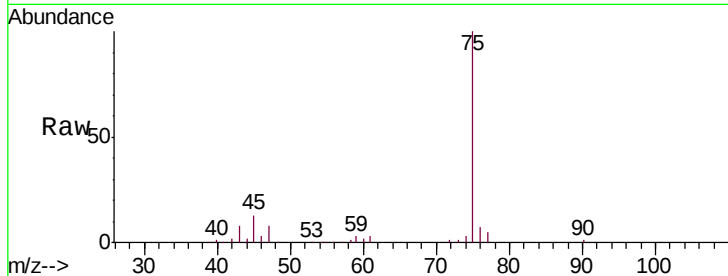
C0AZ4

Tgt Ion: 43 Resp: 5954

Ion Ratio Lower Upper

43 100

72 3.9 16.4 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

2000

1500

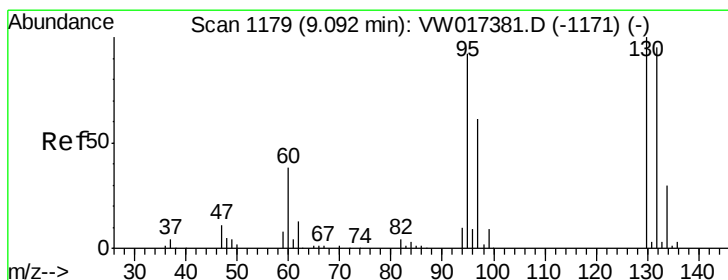
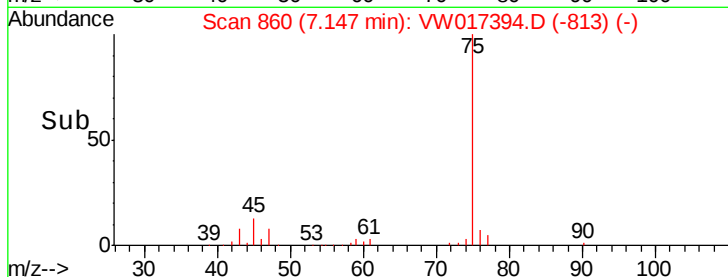
1000

500

0

7.10 7.20

Time-->



#35

Trichloroethene

Concen: 2.316 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017394.D

Acq: 20 Nov 2020 01:07

Tgt Ion: 95 Resp: 9697

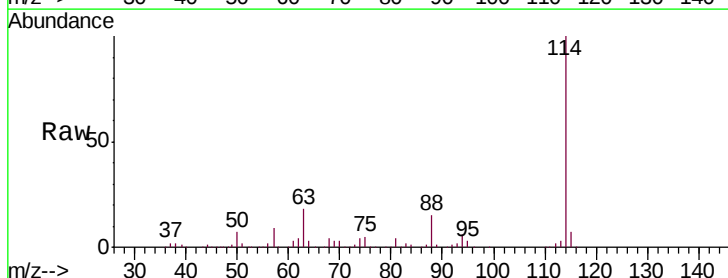
Ion Ratio Lower Upper

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

8000

6000

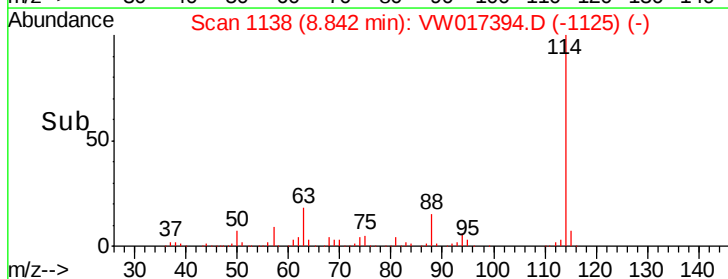
4000

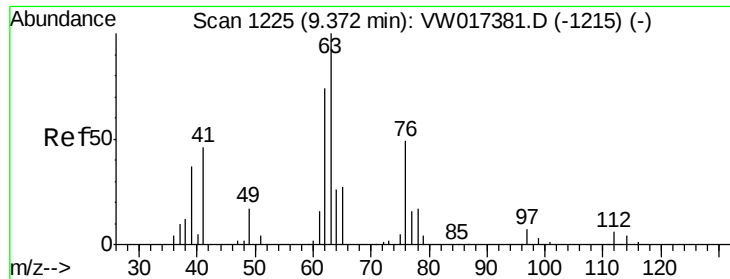
2000

0

8.80 8.85 8.90

Time-->

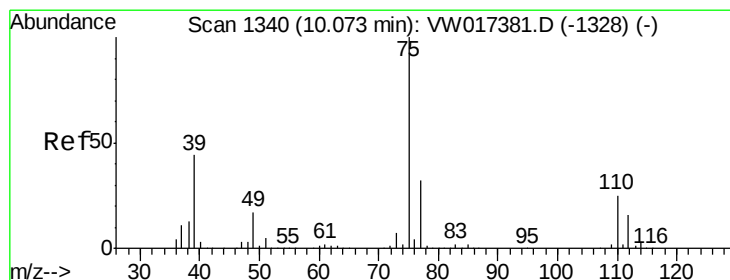
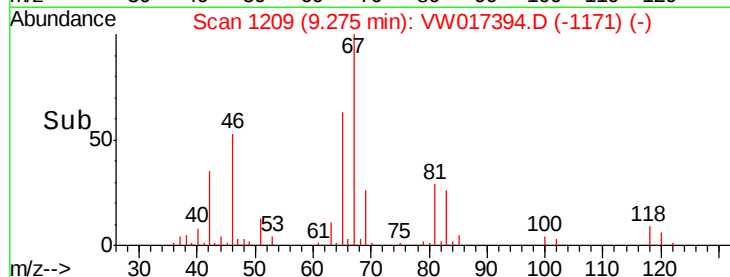
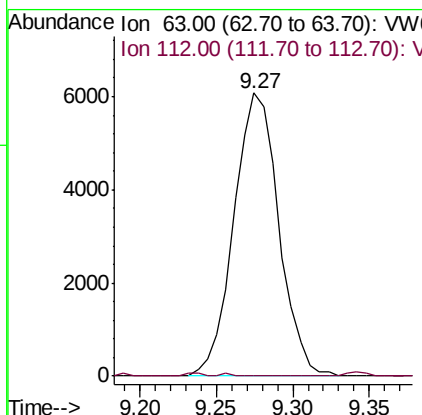
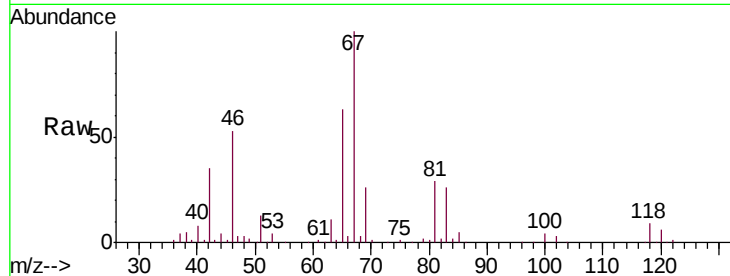




#40
 1,2-Dichloropropane
 Concen: 3.701 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW017394.D
 Acq: 20 Nov 2020 01:07

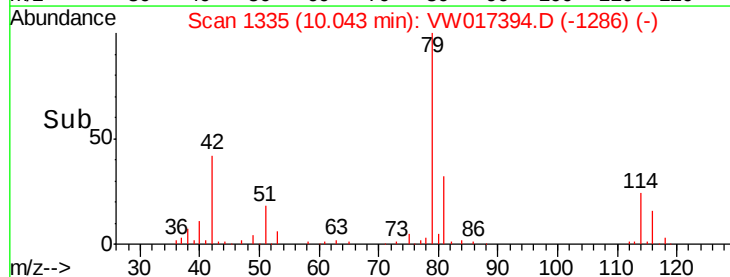
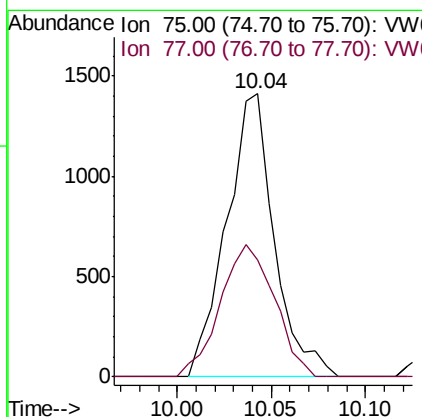
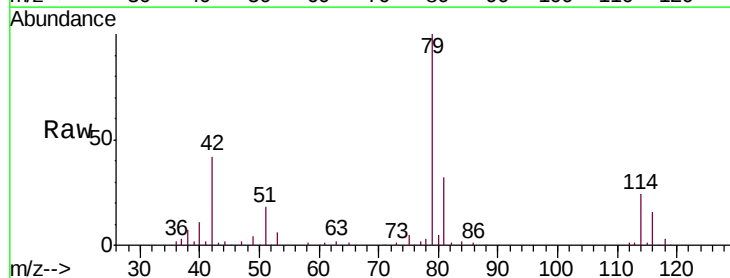
Instrument :
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 ClientSampleId :
 C0AZ4

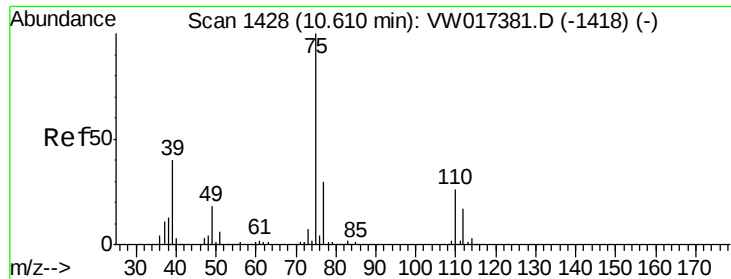
Tgt Ion: 63 Resp: 12393
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.2 6.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.478 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: VW017394.D
 Acq: 20 Nov 2020 01:07

Tgt Ion: 75 Resp: 2482
 Ion Ratio Lower Upper
 75 100
 77 41.5 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.335 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017394.D

Acq: 20 Nov 2020 01:07

Instrument :

MSVOA_W

ClientSampled :

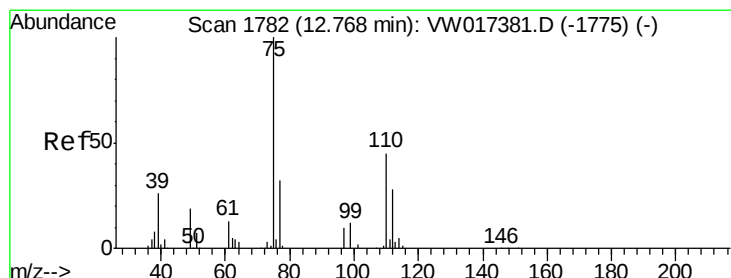
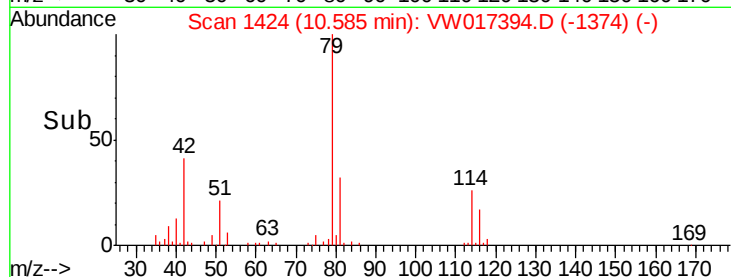
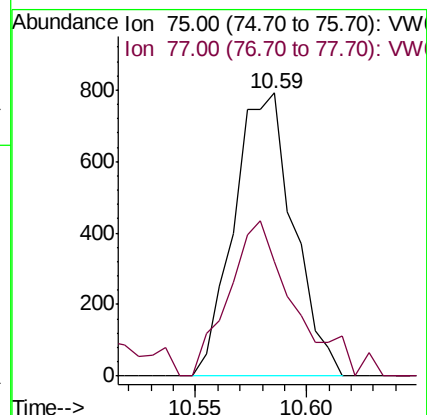
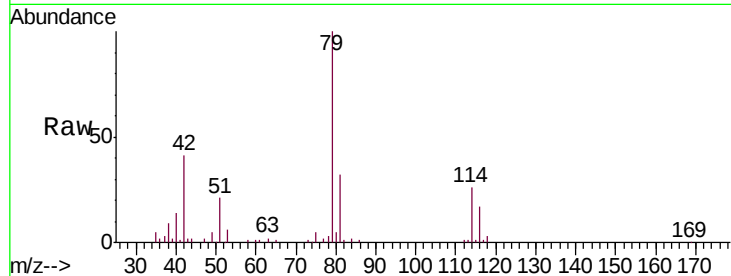
C0AZ4

Tgt Ion: 75 Resp: 1474

Ion Ratio Lower Upper

75 100

77 40.5 22.0 40.8



#59

1,2,3-Trichloropropane

Concen: 4.180 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017394.D

Acq: 20 Nov 2020 01:07

Tgt Ion: 75 Resp: 8626

Ion Ratio Lower Upper

75 100

77 32.7 26.6 40.0

