

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017882.D
 Acq On : 14 Jan 2021 16:04
 Operator : SY/VA
 Sample : M1099-04RE
 Misc : 2.50G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 14 21:46:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 21:44:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	168024	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	147932	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	62189	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	62300	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.84%
7) Chloroethane-d5	2.89	69	50903	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
10) 1,1-Dichloroethene-d2	4.01	63	81435	17.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.92%
20) 2-Butanone-d5	7.07	46	21614	51.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.60%
24) Chloroform-d	7.65	84	101310	23.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	8.31	65	57804	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.76%
29) Benzene-d6	8.27	84	198594	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	58027	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.04%
37) Toluene-d8	10.32	98	176021	21.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.96%
38) trans-1,3-Dichloropropene-	10.58	79	19311	18.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.44%
39) 2-Hexanone-d5	10.93	63	14453	50.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	42087	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	48557	22.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.68%

Target Compounds

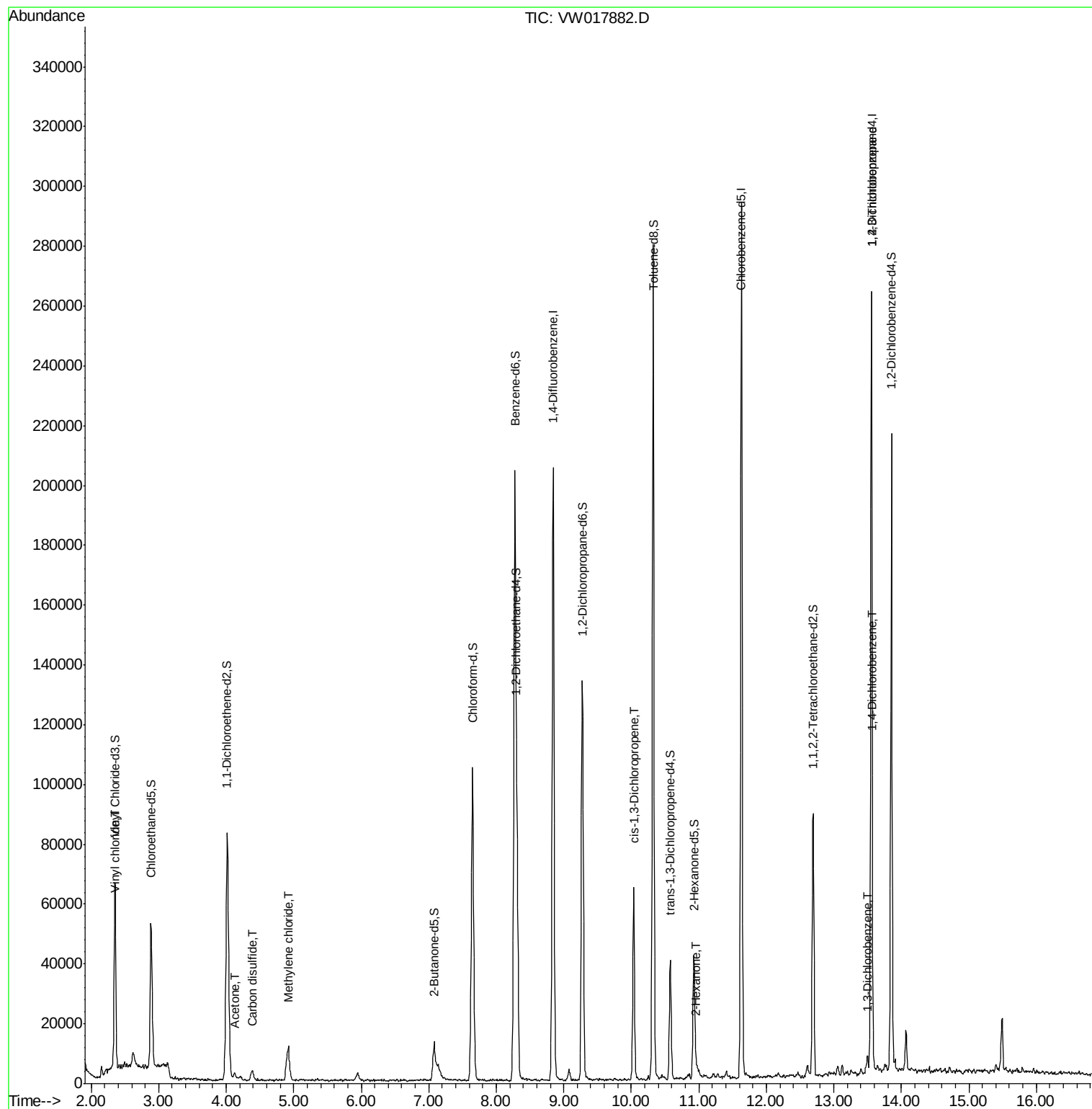
					Ovalue
5) Vinyl chloride	2.37	62	1481	0.531	ug/L # 27
13) Acetone	4.12	43	4041	11.106	ug/L 93
14) Carbon disulfide	4.38	76	6504	1.052	ug/L # 92
16) Methylene chloride	4.91	84	7680	3.196	ug/L 89
42) cis-1,3-Dichloropropene	10.04	75	2076	0.652	ug/L # 70
49) 2-Hexanone	10.97	43	849	1.234	ug/L # 78
59) 1,2,3-Trichloropropane	13.55	75	10456	8.586	ug/L 97
63) 1,3-Dichlorobenzene	13.51	146	1749	0.456	ug/L 94
64) 1,4-Dichlorobenzene	13.58	146	1428	0.370	ug/L # 77

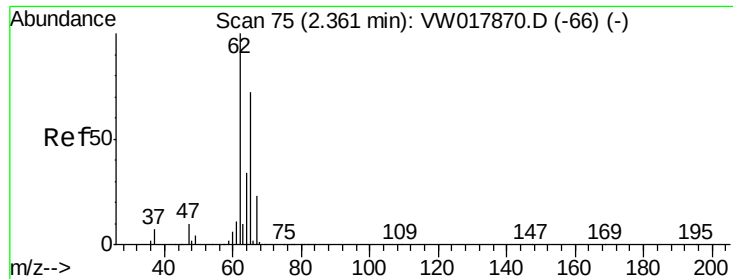
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 21:44:45 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.531 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

Instrument :

MSVOA_W

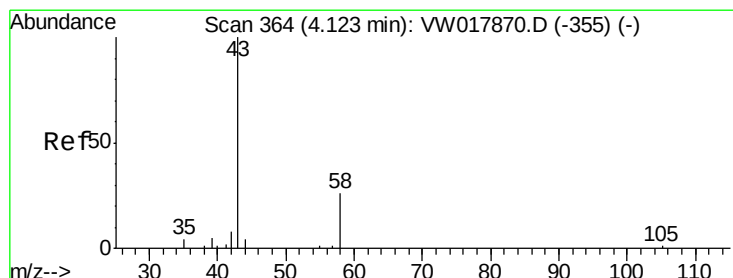
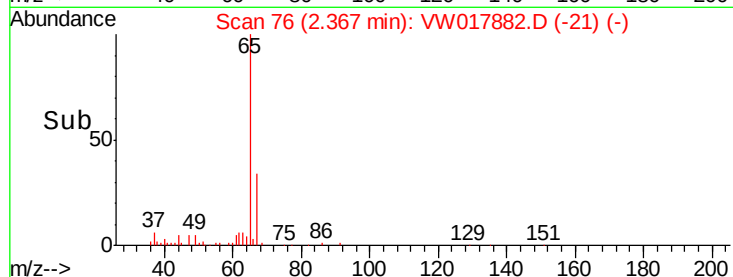
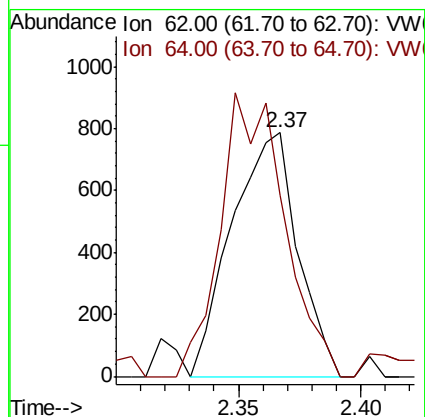
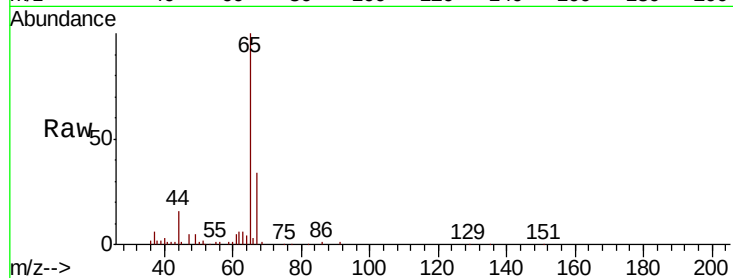
ClientSampled :

Tot Ion: 62 Resp: 1481

Ion Ratio Lower Upper

62 100

64 74.6 23.3 43.3#



#13

Acetone

Concen: 11.106 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017882.D

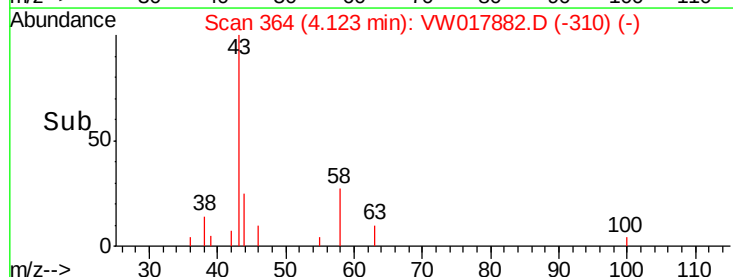
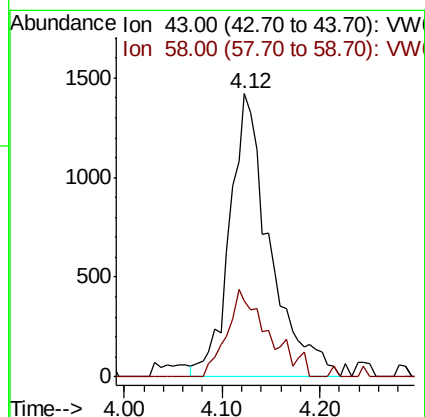
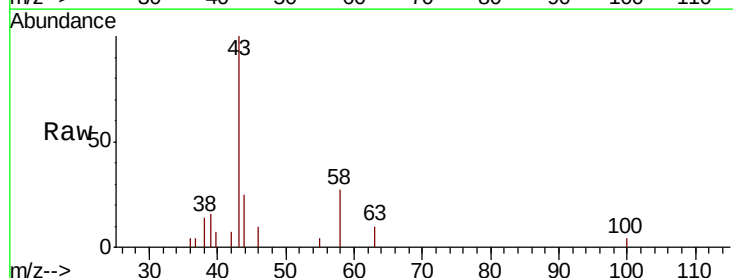
Acq: 14 Jan 2021 16:04

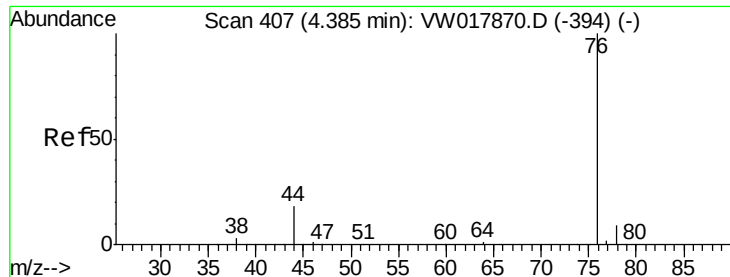
Tgt Ion: 43 Resp: 4041

Ion Ratio Lower Upper

43 100

58 26.5 0.0 60.8





#14

Carbon disulfide

Concen: 1.052 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

Instrument :

MSVOA_W

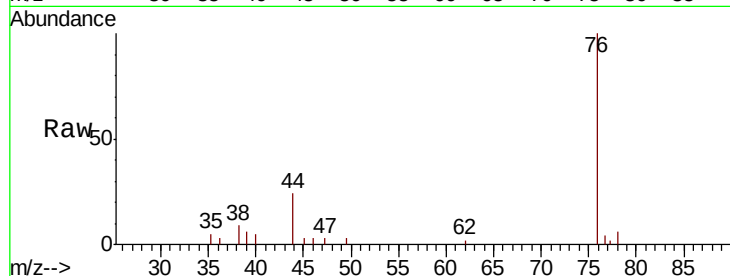
ClientSampled :

Tot Ion: 76 Resp: 6504

Ion Ratio Lower Upper

76 100

78 5.9 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

2500

2000

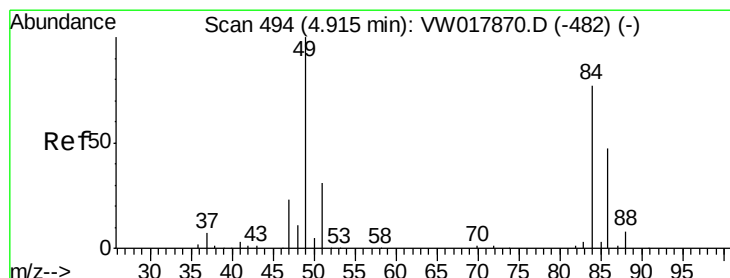
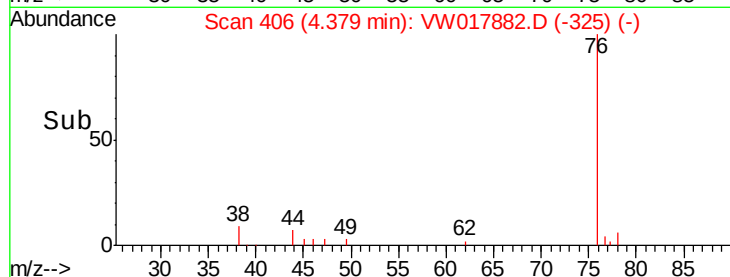
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 3.196 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

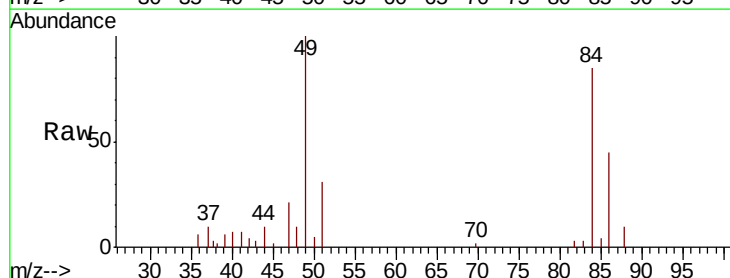
Tgt Ion: 84 Resp: 7680

Ion Ratio Lower Upper

84 100

49 117.8 90.5 168.1

86 52.8 44.8 83.2



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

4.91

5000

4000

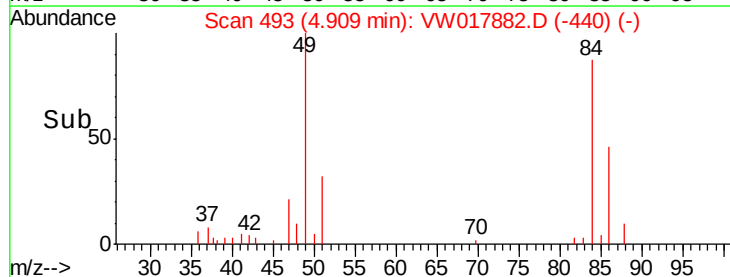
3000

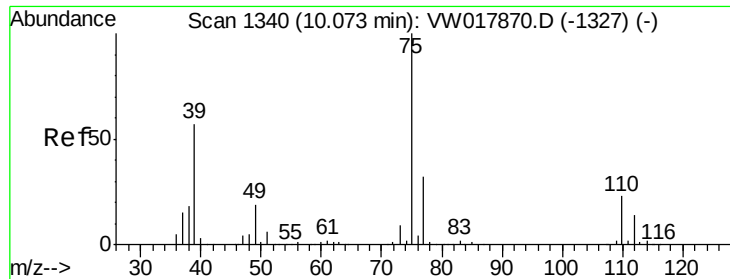
2000

1000

0

Time-->





#42

cis-1,3-Dichloropropene

Concen: 0.652 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

Instrument :

MSVOA_W

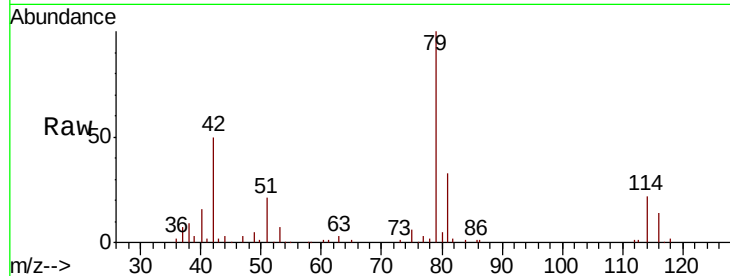
ClientSampleId :

Tot Ion: 75 Resp: 2076

Ion Ratio Lower Upper

75 100

77 47.1 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

1000

800

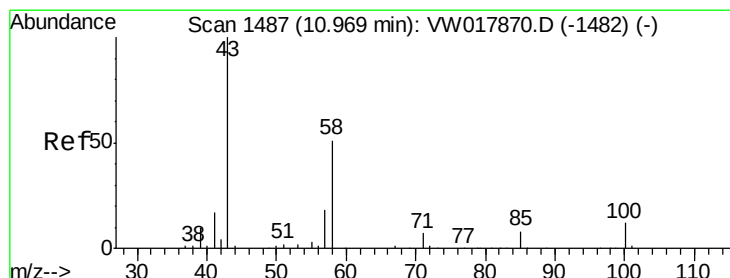
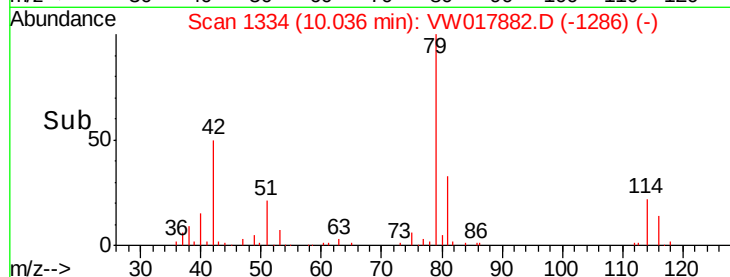
600

400

200

0

Time-->



#49

2-Hexanone

Concen: 1.234 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

Tgt Ion: 43 Resp: 849

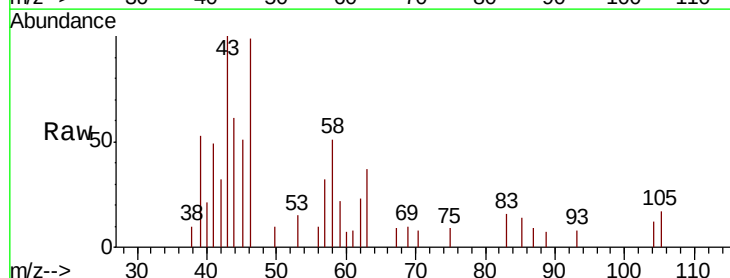
Ion Ratio Lower Upper

43 100

58 61.5 44.2 66.4

57 46.6 16.1 24.1#

100 4.9 11.0 16.4#



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

1200

1000

800

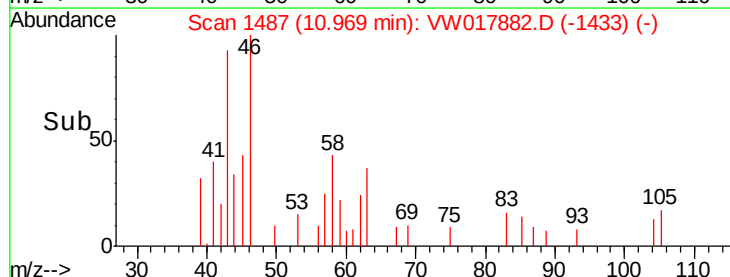
600

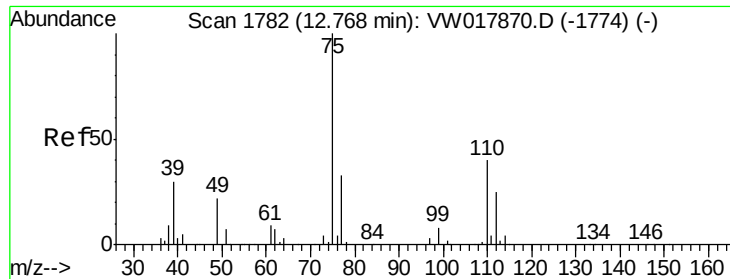
400

200

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 8.586 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

Instrument :

MSVOA_W

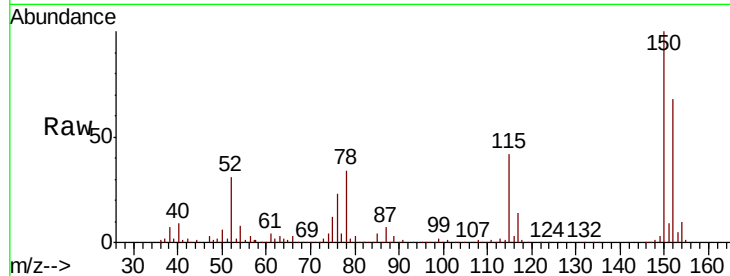
ClientSampleId :

Tot Ion: 75 Resp: 10456

Ion Ratio Lower Upper

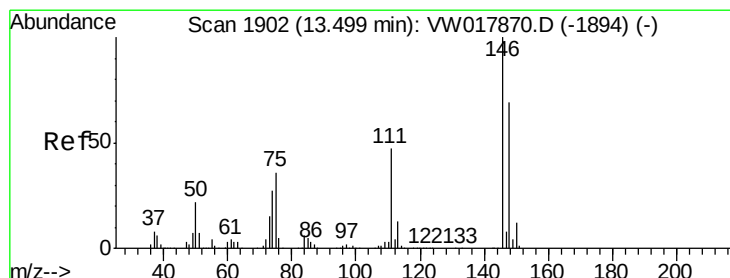
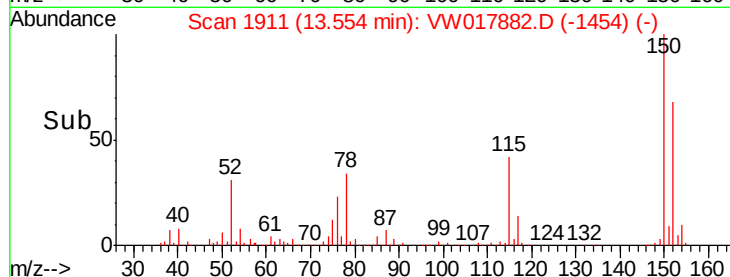
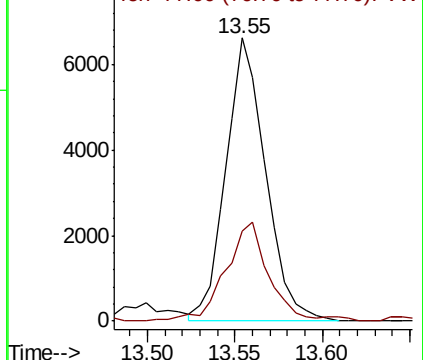
75 100

77 33.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#63

1,3-Dichlorobenzene

Concen: 0.456 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW017882.D

Acq: 14 Jan 2021 16:04

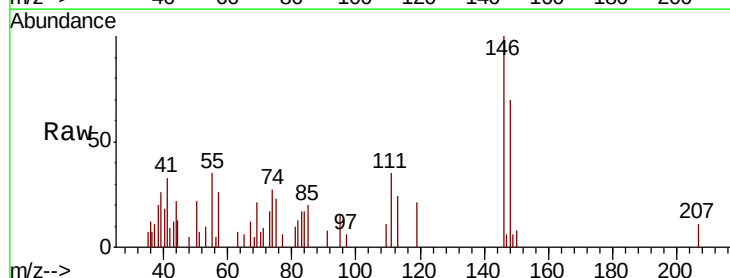
Tgt Ion: 146 Resp: 1749

Ion Ratio Lower Upper

146 100

111 34.6 29.5 54.7

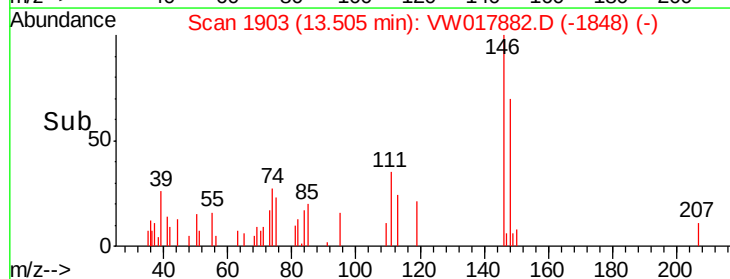
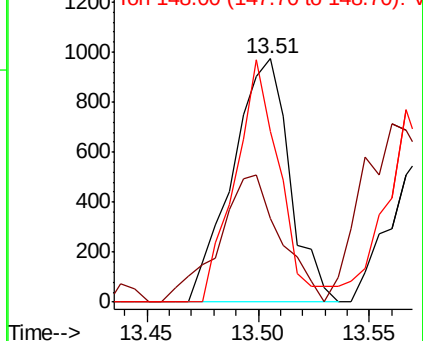
148 70.1 47.7 88.5

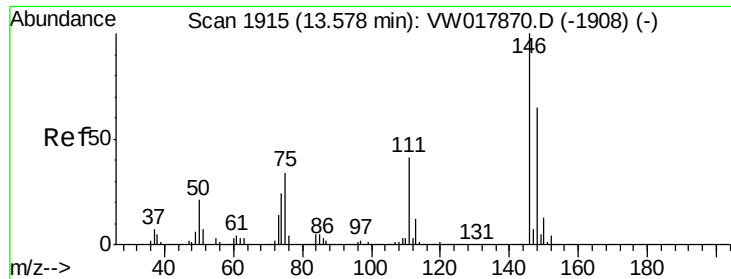


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64
 1,4-Dichlorobenzene
 Concen: 0.370 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017882.D
 Acq: 14 Jan 2021 16:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	27.7	51.5
148	84.0	44.2	82.2#

