

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017879.D
 Acq On : 14 Jan 2021 14:54
 Operator : SY/VA
 Sample : M1132-08RE
 Misc : 5.83G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 14 21:46:22 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	8.84	114	289496	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	245633	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	98391	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123583	27.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.36%
7) Chloroethane-d5	2.89	69	103985	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.52%
10) 1,1-Dichloroethene-d2	4.02	63	155357	19.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.64%
20) 2-Butanone-d5	7.08	46	46557	64.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.26%
24) Chloroform-d	7.65	84	212835	28.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.52%
26) 1,2-Dichloroethane-d4	8.31	65	121565	31.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.20%
29) Benzene-d6	8.27	84	403059	29.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.52%
33) 1,2-Dichloropropane-d6	9.27	67	121016	31.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.92%#
37) Toluene-d8	10.32	98	354137	26.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.60%
38) trans-1,3-Dichloropropene-	10.58	79	42474	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
39) 2-Hexanone-d5	10.93	63	31401	65.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	83847	29.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	89233	26.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.16%

Target Compounds

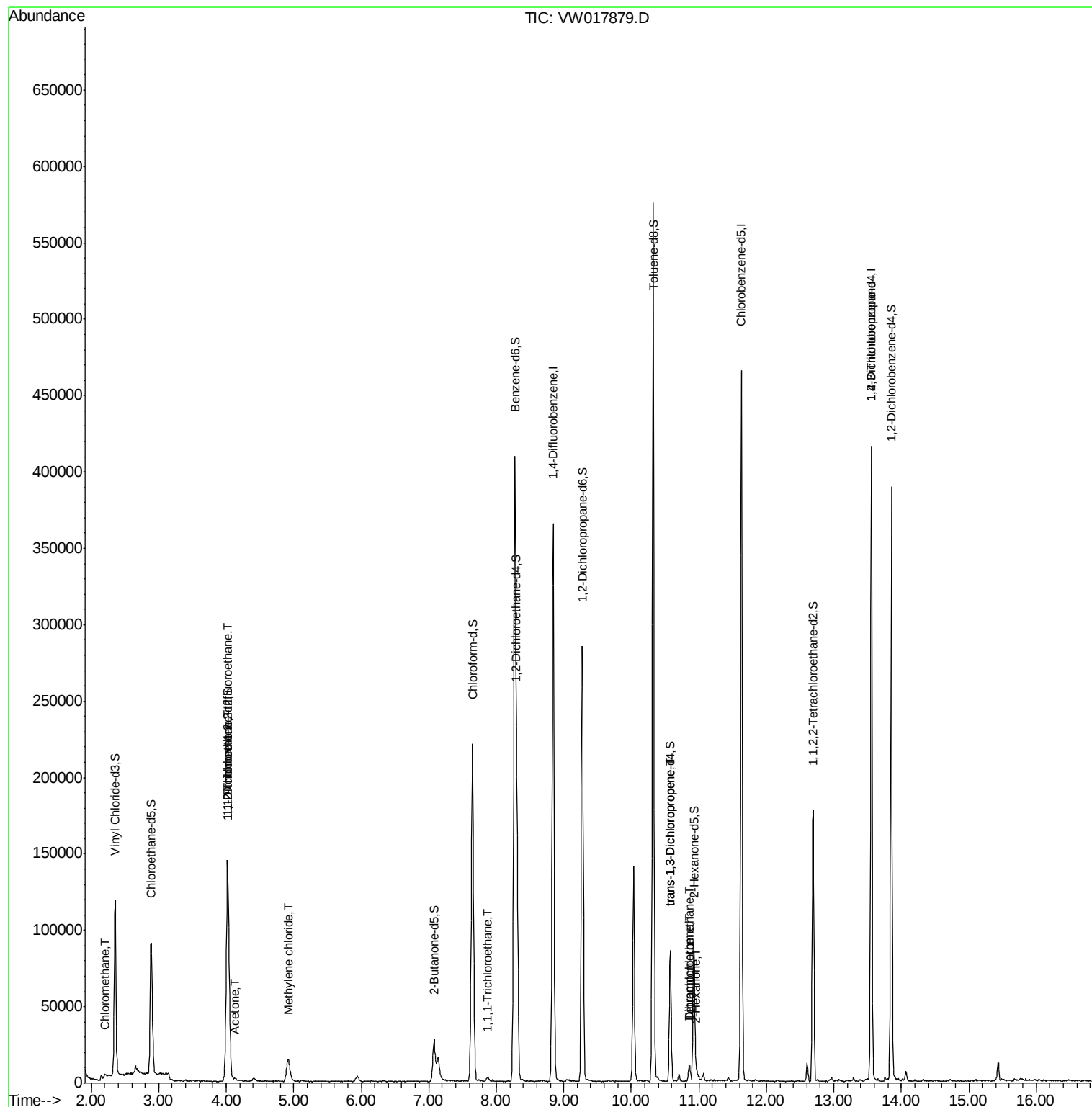
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.21	50	761	0.268	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1049	0.285	ug/L #	20
12) 1,1-Dichloroethene	4.03	96	1263	0.354	ug/L #	1
13) Acetone	4.14	43	2731	4.356	ug/L	91
16) Methylene chloride	4.92	84	11902	2.875	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1916	0.339	ug/L #	81
45) trans-1,3-Dichloropropene	10.57	75	2509	0.557	ug/L	84
47) Tetrachloroethene	10.87	164	2356	0.775	ug/L	92
49) 2-Hexanone	10.97	43	1569	1.373	ug/L #	61
50) Dibromochloromethane	10.86	129	2143	0.732	ug/L #	9
59) 1,2,3-Trichloropropane	13.55	75	15026	7.431	ug/L	91

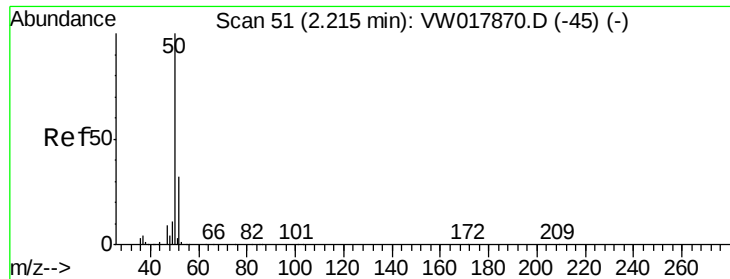
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.268 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017879.D

Acq: 14 Jan 2021 14:54

Instrument :

MSVOA_W

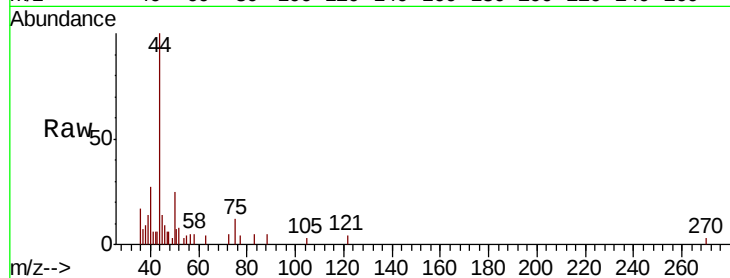
ClientSampleId :

Tot Ion: 50 Resp: 761

Ion Ratio Lower Upper

50 100

52 30.5 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

400

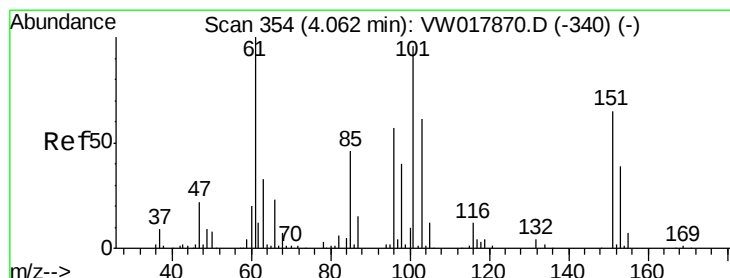
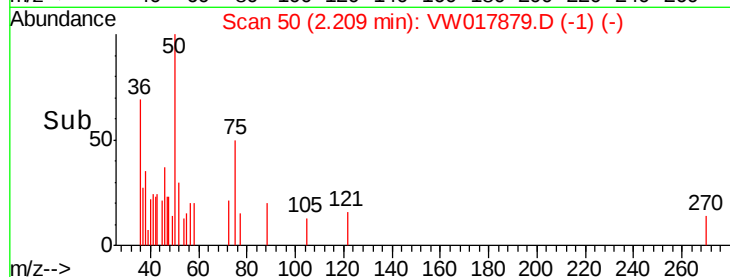
300

200

100

0

Time-->



#11

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

Concen: 0.285 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.03 min

Lab File: VW017879.D

Acq: 14 Jan 2021 14:54

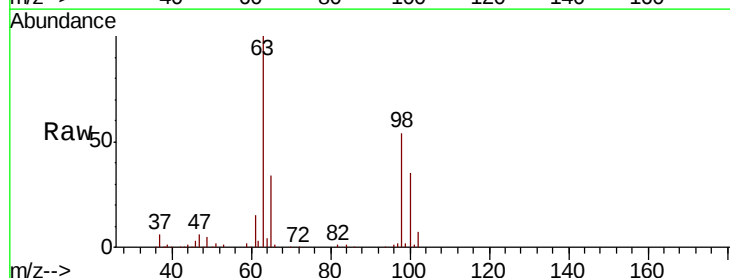
Tgt Ion:101 Resp: 1049

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 57.7 86.5#



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

600

500

400

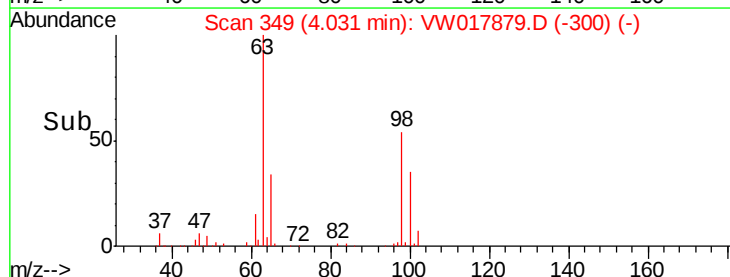
300

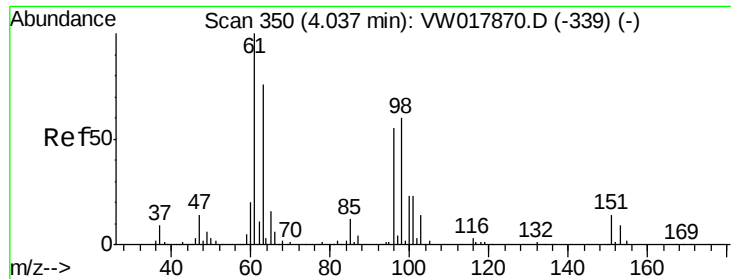
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.354 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW017879.D

Acq: 14 Jan 2021 14:54

Instrument :

MSVOA_W

ClientSampleId :

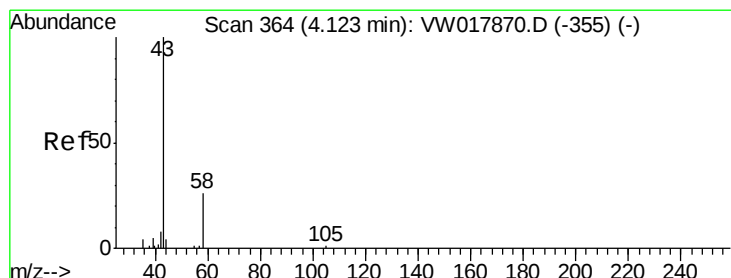
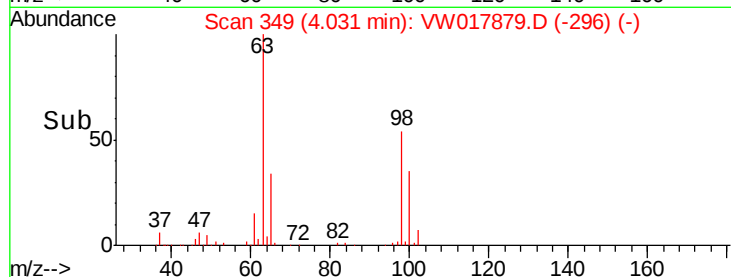
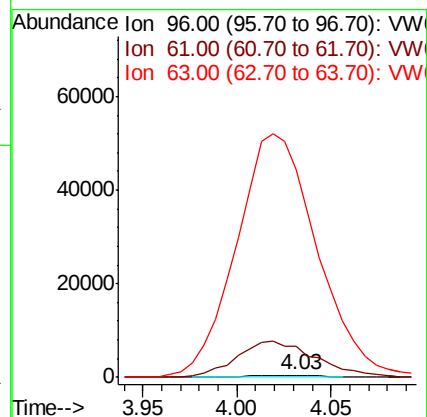
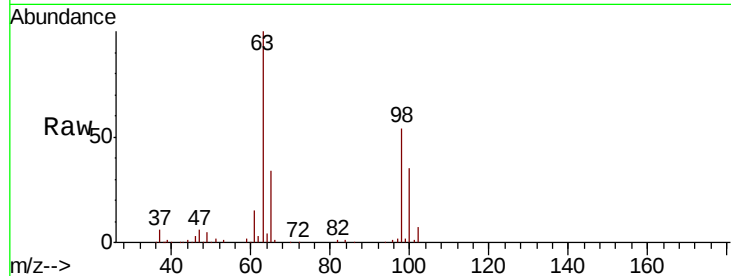
Tot Ion: 96 Resp: 1263

Ion Ratio Lower Upper

96 100

61 1489.6 126.1 234.1#

63 10082.5 90.0 167.2#



#13

Acetone

Concen: 4.356 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017879.D

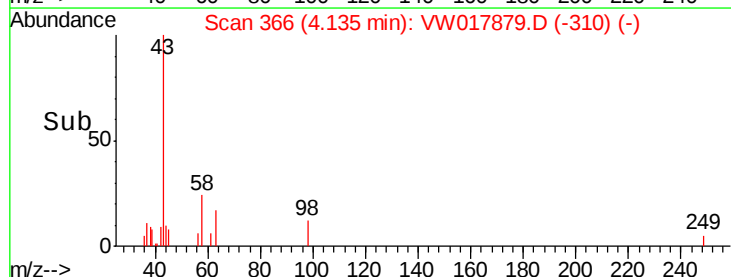
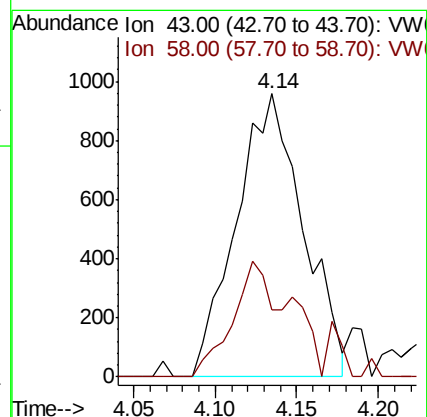
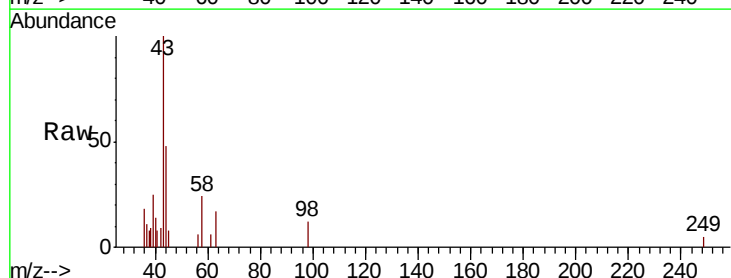
Acq: 14 Jan 2021 14:54

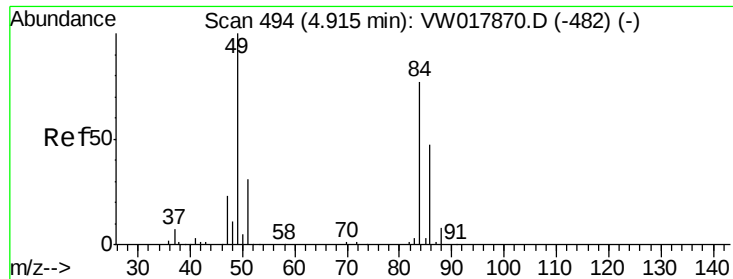
Tgt Ion: 43 Resp: 2731

Ion Ratio Lower Upper

43 100

58 25.6 0.0 60.8

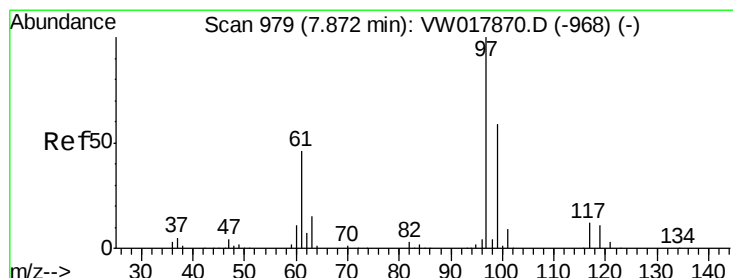
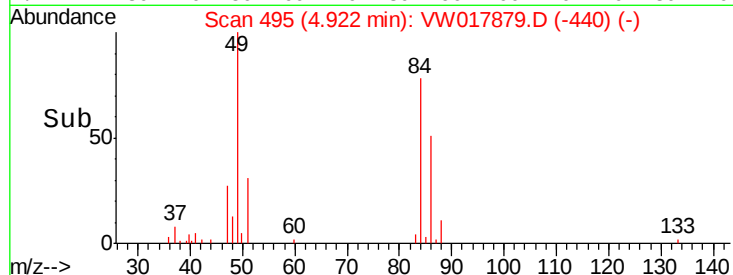
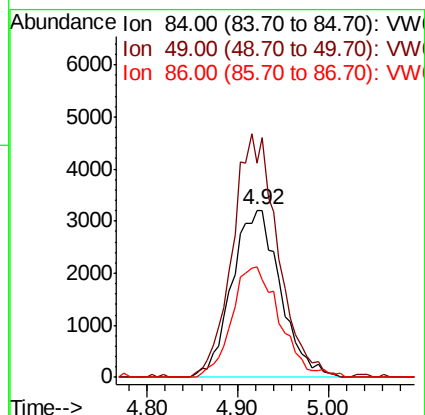
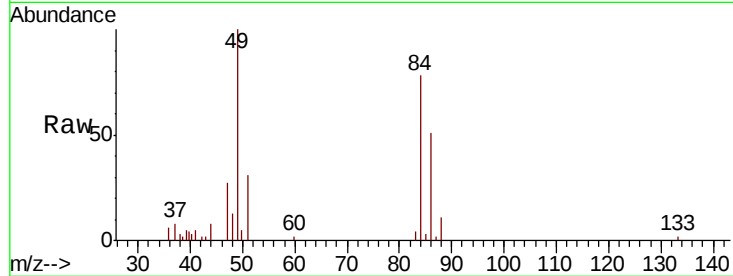




#16
Methylene chloride
Concen: 2.875 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017879.D
Acq: 14 Jan 2021 14:54

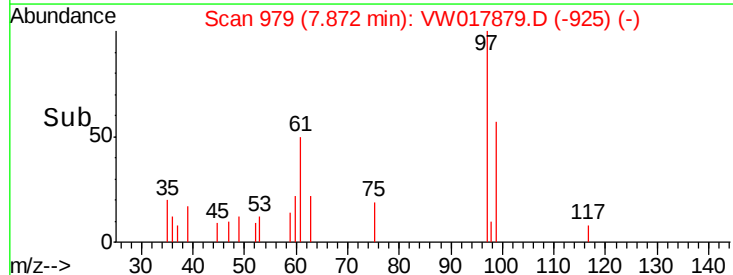
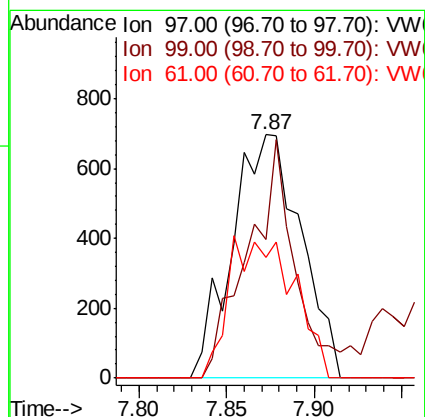
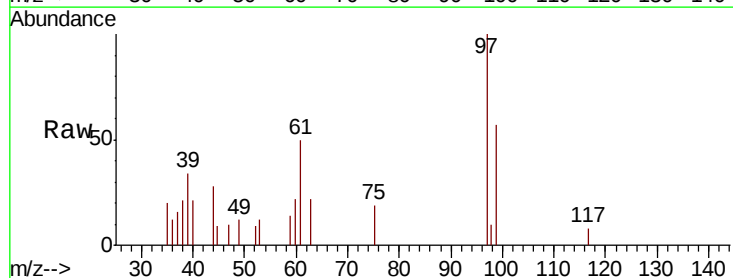
Instrument :
MSVOA_W
ClientSampleId :

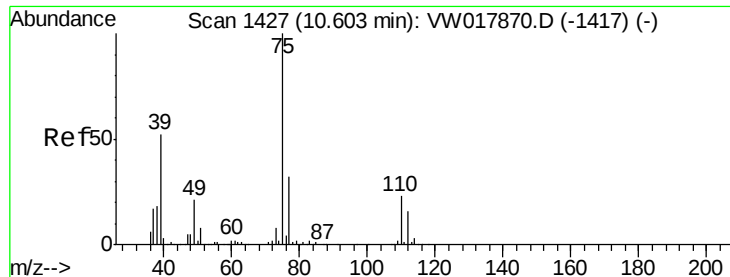
Tot Ion: 84 Resp: 11902
Ion Ratio Lower Upper
84 100
49 128.2 90.5 168.1
86 66.0 44.8 83.2



#31
1,1,1-Trichloroethane
Concen: 0.339 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017879.D
Acq: 14 Jan 2021 14:54

Tgt Ion: 97 Resp: 1916
Ion Ratio Lower Upper
97 100
99 66.8 51.1 76.7
61 17.4 35.8 53.8#





#45

trans-1,3-Dichloropropene

Concen: 0.557 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017879.D

Acq: 14 Jan 2021 14:54

Instrument :

MSVOA_W

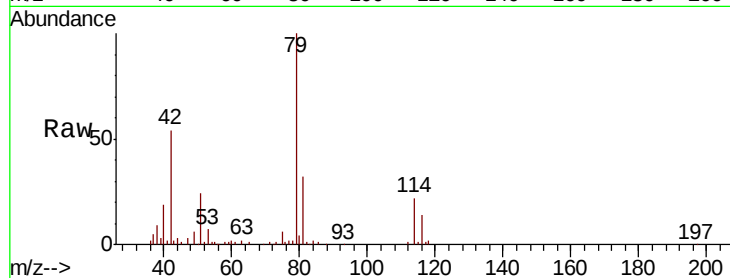
ClientSampleId :

Tot Ion: 75 Resp: 2509

Ion Ratio Lower Upper

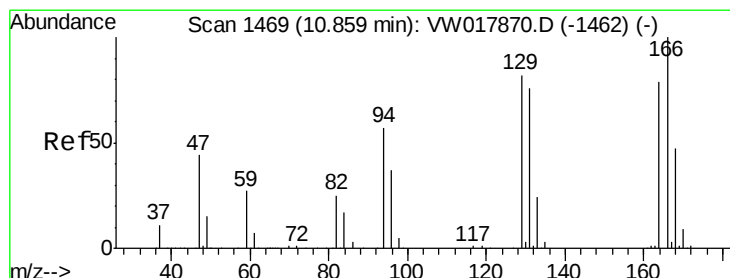
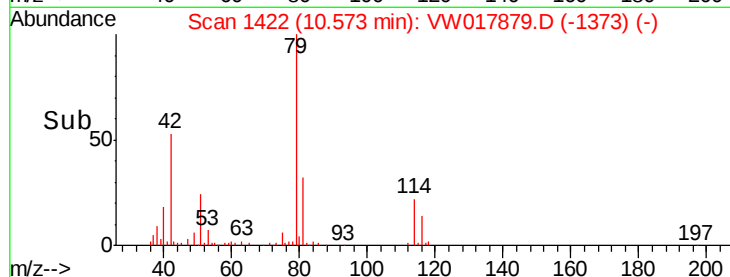
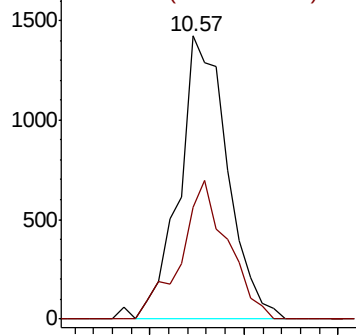
75 100

77 39.3 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#47

Tetrachloroethene

Concen: 0.775 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017879.D

Acq: 14 Jan 2021 14:54

Tgt Ion: 164 Resp: 2356

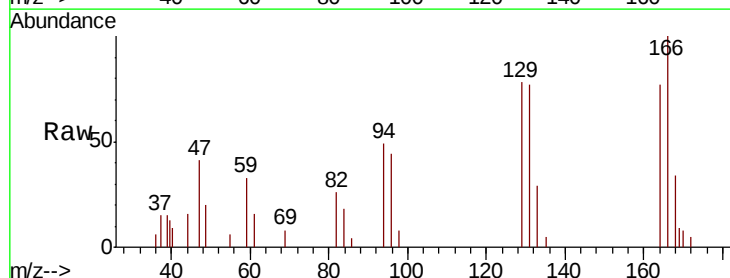
Ion Ratio Lower Upper

164 100

129 101.7 62.9 116.9

131 99.7 63.8 118.6

166 130.2 87.4 162.2

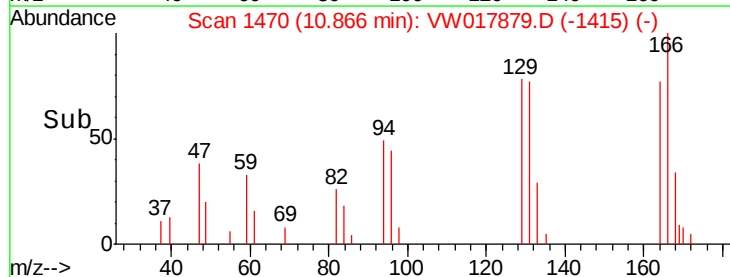
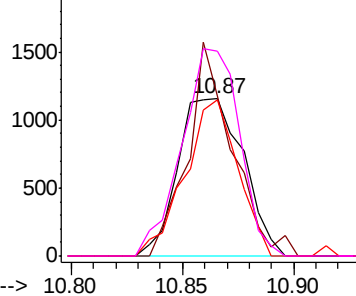


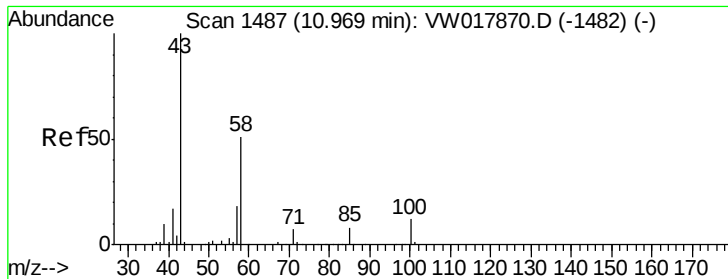
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

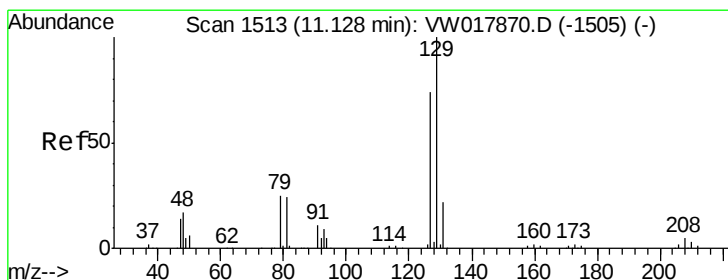
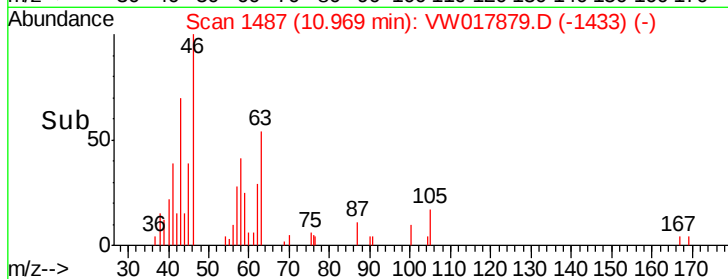
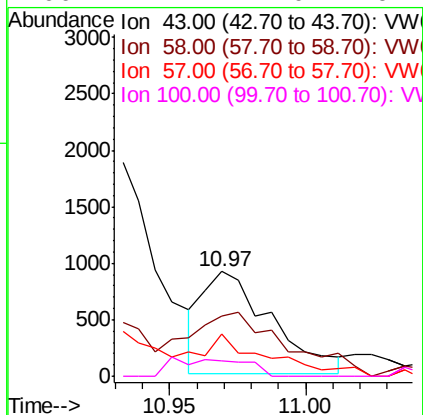
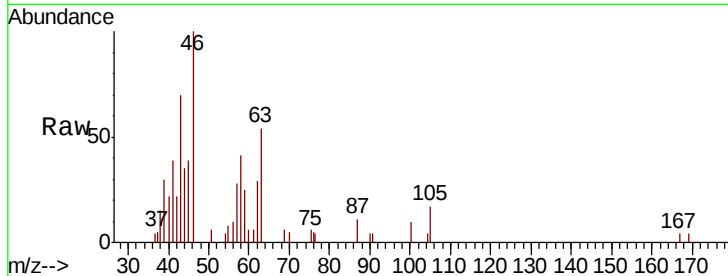




#49
2-Hexanone
Concen: 1.373 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017879.D
Acq: 14 Jan 2021 14:54

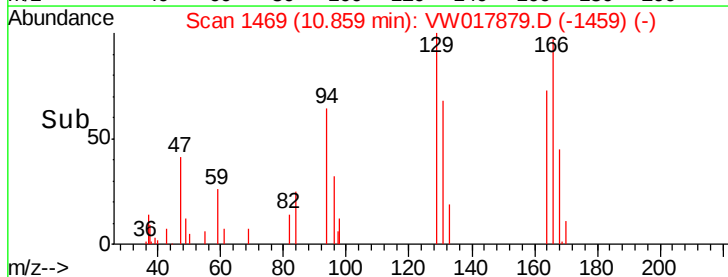
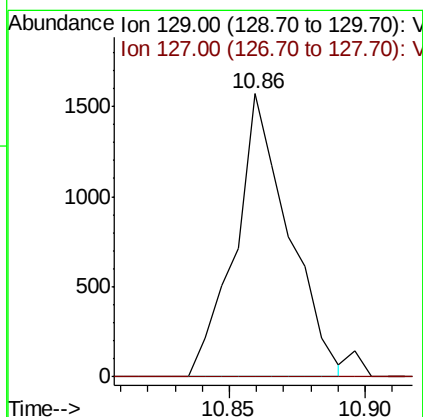
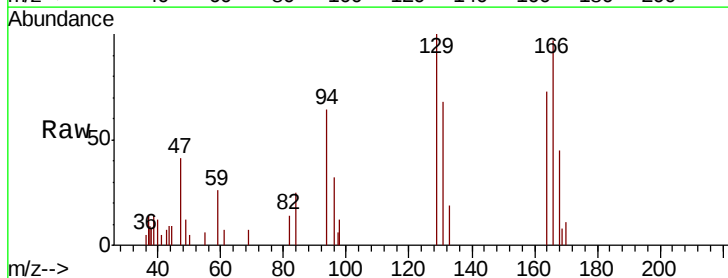
Instrument :
MSVOA_W
ClientSampled :

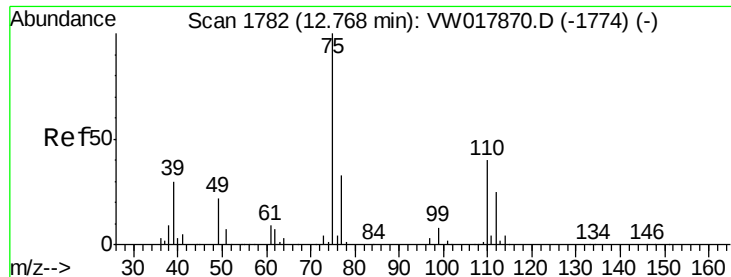
Tot Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 91.7 44.2 66.4#
57 29.3 16.1 24.1#
100 4.2 11.0 16.4#



#50
Dibromochloromethane
Concen: 0.732 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW017879.D
Acq: 14 Jan 2021 14:54

Tgt Ion: 129 Resp: 2143
Ion Ratio Lower Upper
129 100
127 0.0 56.1 104.3#





#59

1,2,3-Trichloropropane

Concen: 7.431 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017879.D

Acq: 14 Jan 2021 14:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 15026

Ion Ratio Lower Upper

75 100

77 36.6 25.4 38.0

