

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010821\
 Data File : VW017805.D
 Acq On : 08 Jan 2021 15:09
 Operator : SY/VA
 Sample : M1053-01
 Misc : 5.52G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFN59

Quant Time: Jan 08 21:58:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	273959	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	160464	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33114	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119301	28.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.56%
7) Chloroethane-d5	2.89	69	106985	30.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.32%
10) 1,1-Dichloroethene-d2	4.02	63	149547	20.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.00%
20) 2-Butanone-d5	7.07	46	28946	42.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.26%
24) Chloroform-d	7.65	84	190009	26.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.16%
26) 1,2-Dichloroethane-d4	8.30	65	97512	26.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.28%
29) Benzene-d6	8.27	84	368578	40.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	163.12%#
33) 1,2-Dichloropropane-d6	9.27	67	101951	40.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	163.68%#
37) Toluene-d8	10.32	98	282353	32.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	130.12%#
38) trans-1,3-Dichloropropene-	10.58	79	30086	27.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.36%
39) 2-Hexanone-d5	10.93	63	18296	58.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44899	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	28032	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

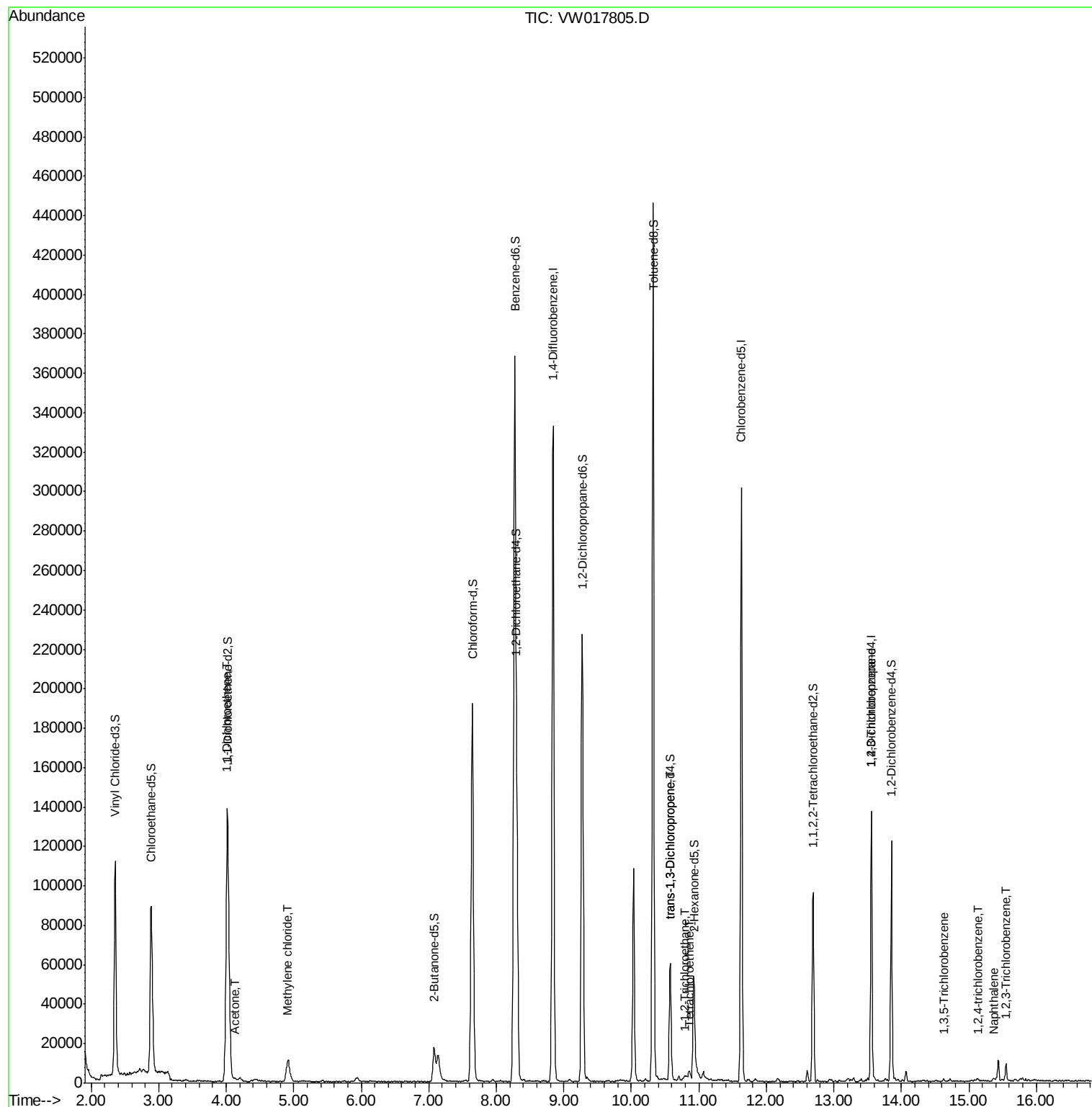
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.01	96	903	0.267	ug/L #	1
13) Acetone	4.14	43	1182	1.992	ug/L	86
16) Methylene chloride	4.92	84	9203	2.349	ug/L	86
45) trans-1,3-Dichloropropene	10.59	75	2118	0.720	ug/L #	80
46) 1,1,2-Trichloroethane	10.80	97	516	0.321	ug/L #	16
47) Tetrachloroethene	10.87	164	633	0.319	ug/L	81
59) 1,2,3-Trichloropropane	13.56	75	4641	3.513	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	417	0.298	ug/L #	82
68) 1,2,4-trichlorobenzene	15.13	180	489	0.424	ug/L #	62
69) Naphthalene	15.37	128	1301	0.592	ug/L #	69
70) 1,2,3-Trichlorobenzene	15.55	180	282	0.290	ug/L #	61

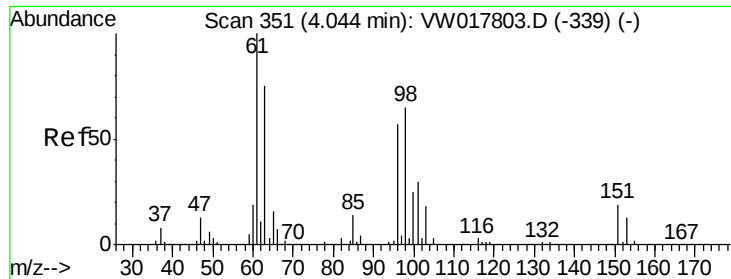
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 4.01 min Scan# 345

Delta R.T. -0.04 min

Lab File: VW017805.D

Acq: 08 Jan 2021 15:09

Instrument :

MSVOA_W

ClientSampleId :

BFN59

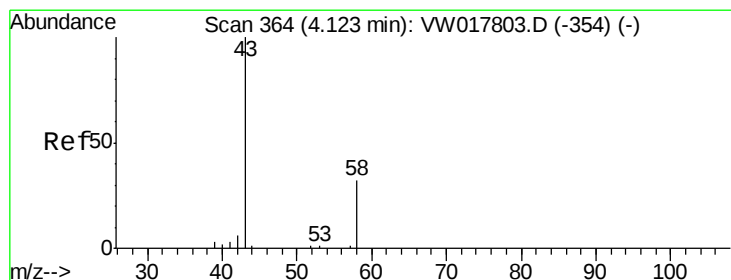
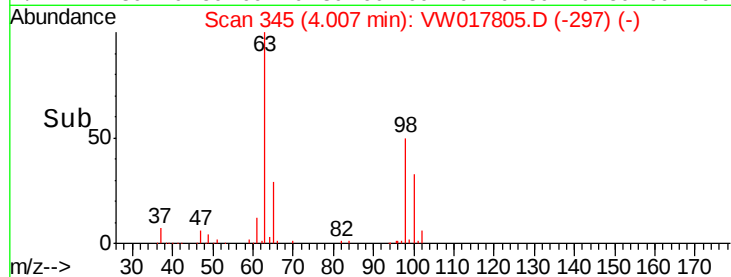
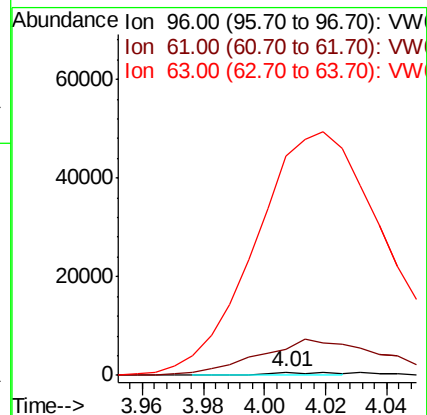
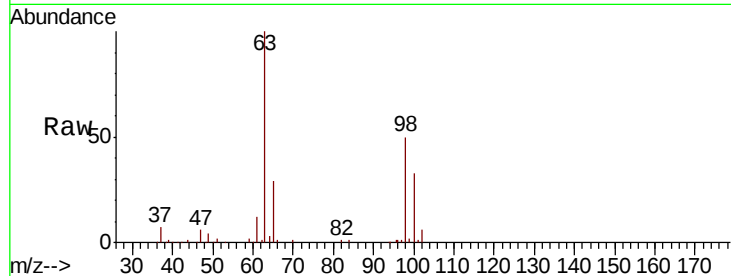
Tot Ion: 96 Resp: 903

Ion Ratio Lower Upper

96 100

61 826.3 126.1 234.1#

63 6871.1 90.0 167.2#



#13

Acetone

Concen: 1.992 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017805.D

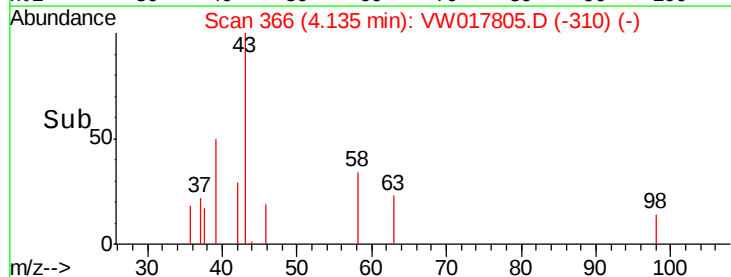
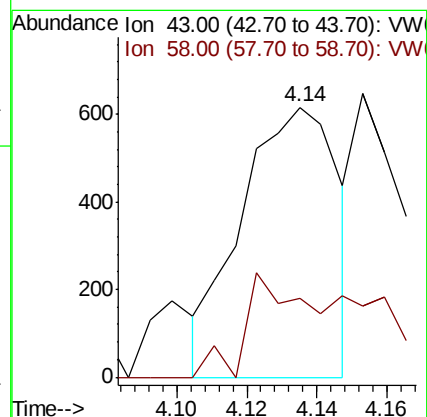
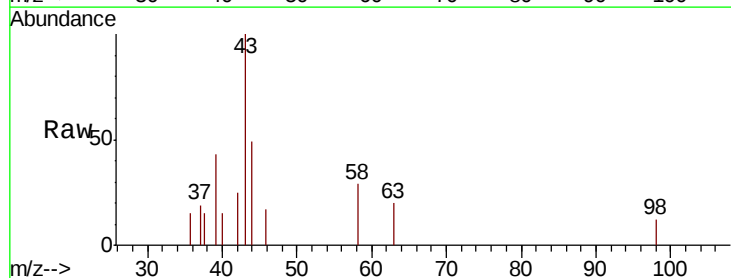
Acq: 08 Jan 2021 15:09

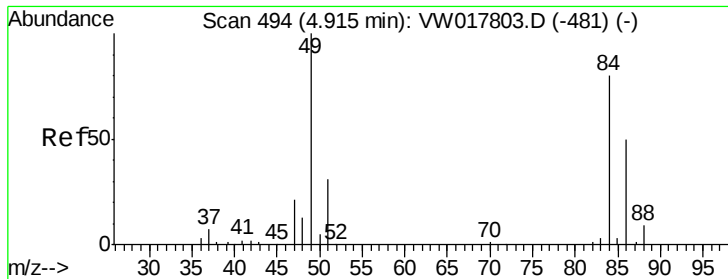
Tgt Ion: 43 Resp: 1182

Ion Ratio Lower Upper

43 100

58 22.5 0.0 60.8

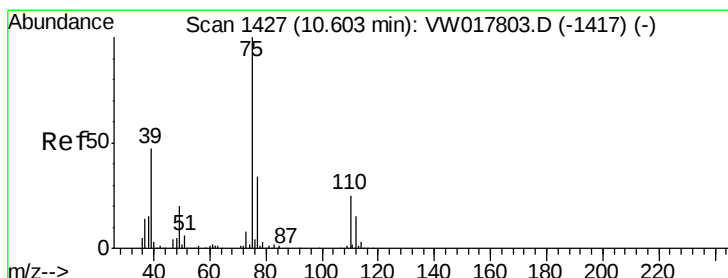
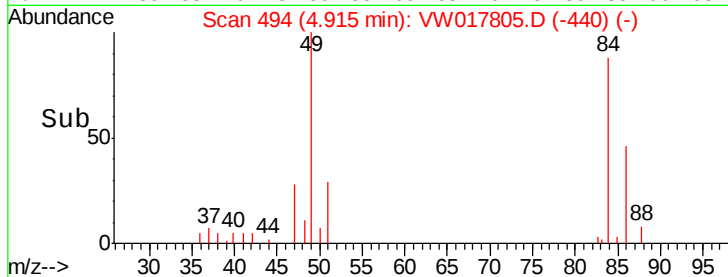
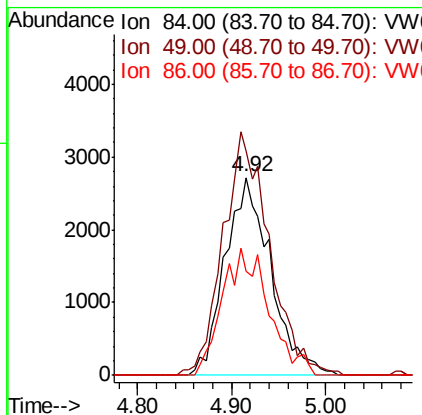
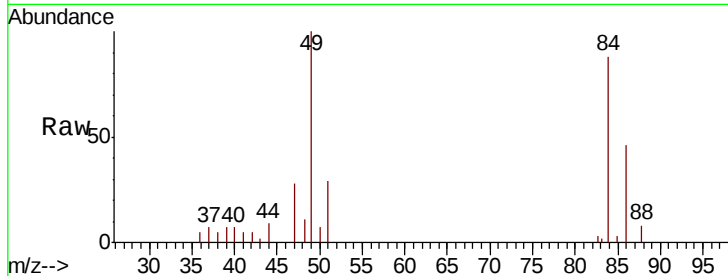




#16
Methvlene chloride
Concen: 2.349 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017805.D
Acq: 08 Jan 2021 15:09

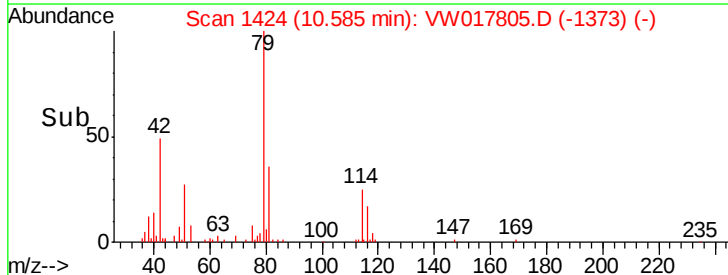
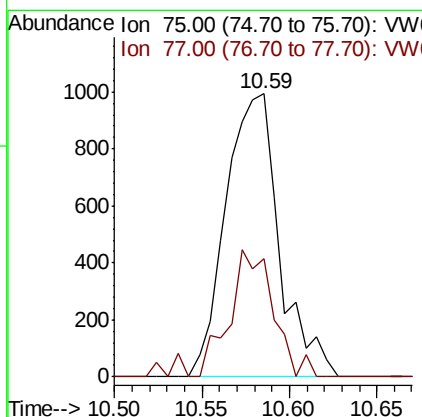
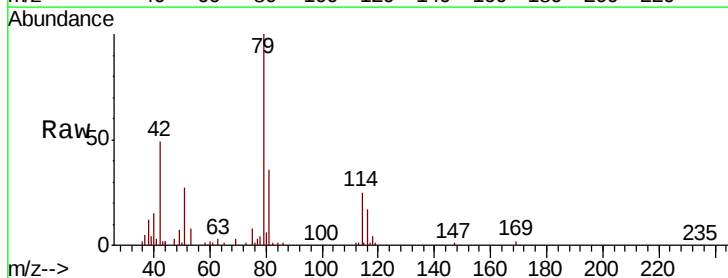
Instrument :
MSVOA_W
ClientSampleId :
BFN59

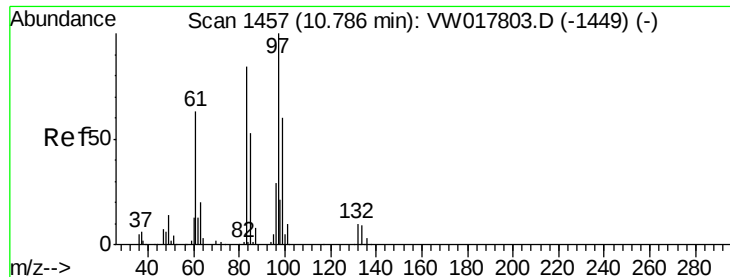
Tot Ion: 84 Resp: 9203
Ion Ratio Lower Upper
84 100
49 113.6 90.5 168.1
86 52.4 44.8 83.2



#45
trans-1,3-Dichloropropene
Concen: 0.720 ug/L
RT: 10.59 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VW017805.D
Acq: 08 Jan 2021 15:09

Tgt Ion: 75 Resp: 2118
Ion Ratio Lower Upper
75 100
77 41.7 21.6 40.0#





#46

1,1,2-Trichloroethane

Concen: 0.321 ug/L

RT: 10.80 min Scan# 1459

Delta R.T. 0.01 min

Lab File: VW017805.D

Acq: 08 Jan 2021 15:09

Instrument :

MSVOA_W

ClientSampled :

BFN59

Tot Ion: 97 Resp: 516

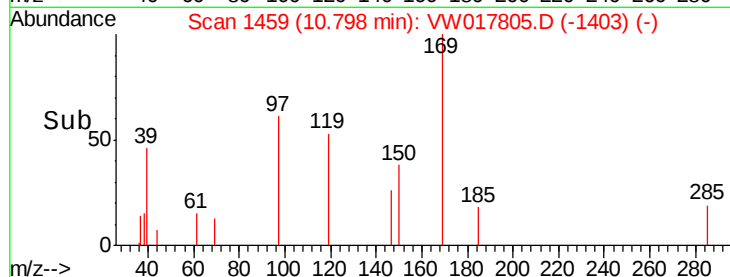
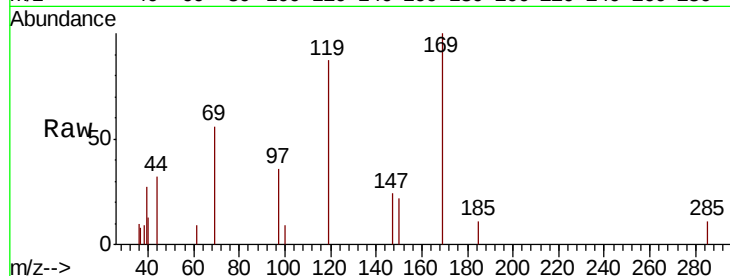
Ion Ratio Lower Upper

97 100

83 0.0 58.9 109.5#

85 0.0 37.1 68.9#

99 0.0 42.7 79.3#

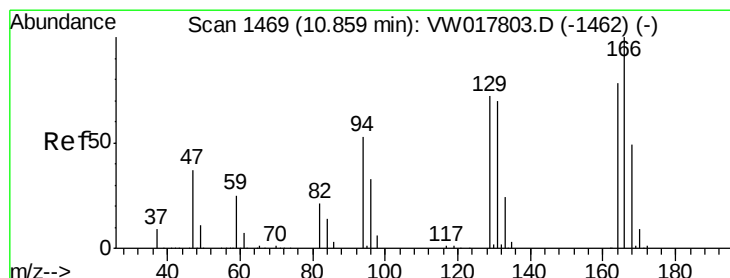
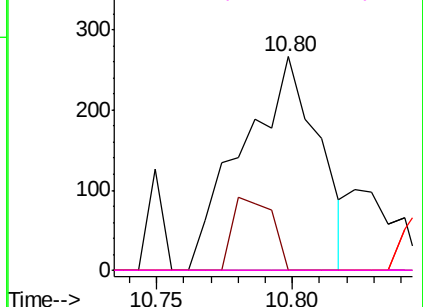


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 0.319 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017805.D

Acq: 08 Jan 2021 15:09

Tgt Ion: 164 Resp: 633

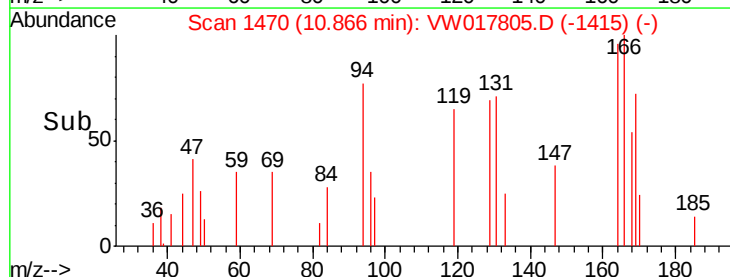
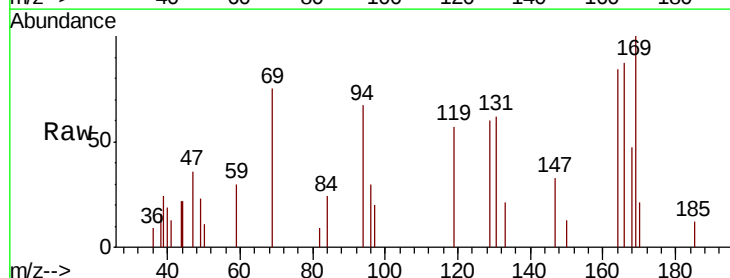
Ion Ratio Lower Upper

164 100

129 71.4 62.9 116.9

131 74.0 63.8 118.6

166 103.7 87.4 162.2

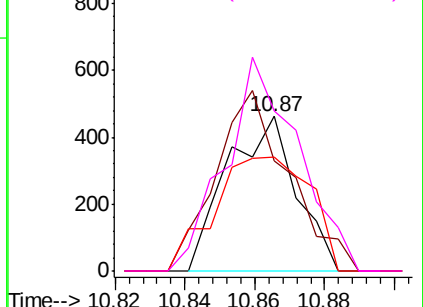


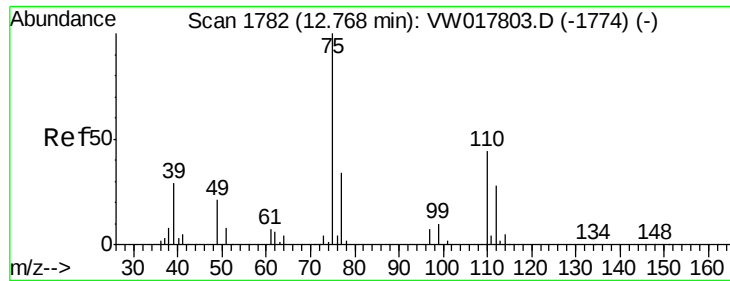
Abundance Ion 164.00 (163.70 to 164.70): V

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

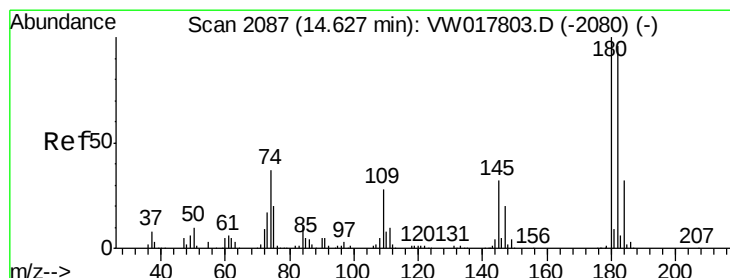
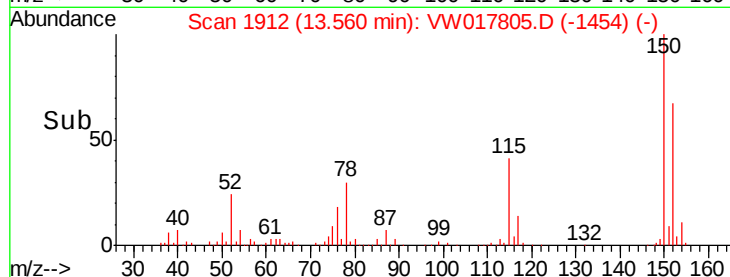
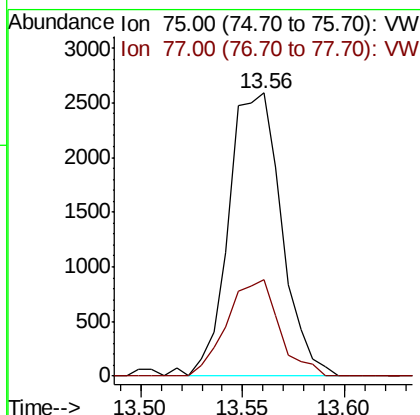
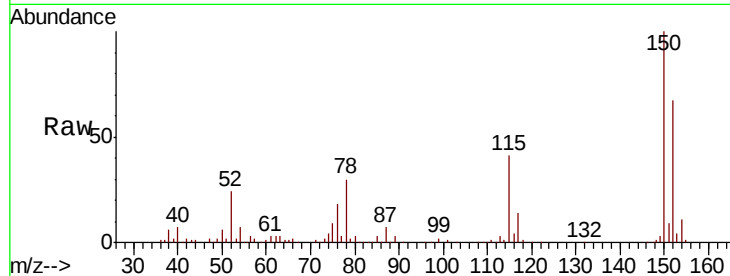




#59
 1,2,3-Trichloropropane
 Concen: 3.513 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW017805.D
 Acq: 08 Jan 2021 15:09

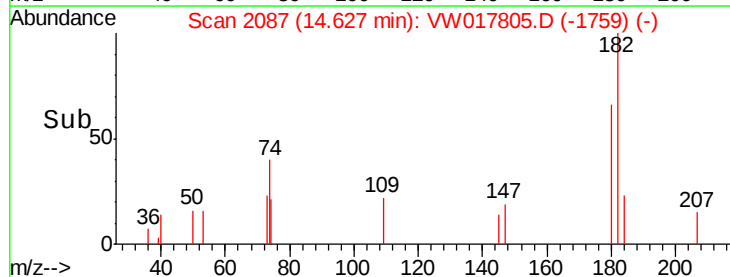
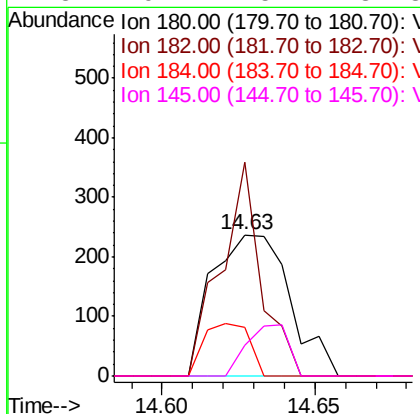
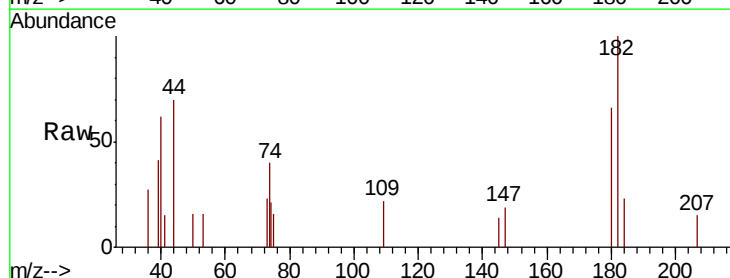
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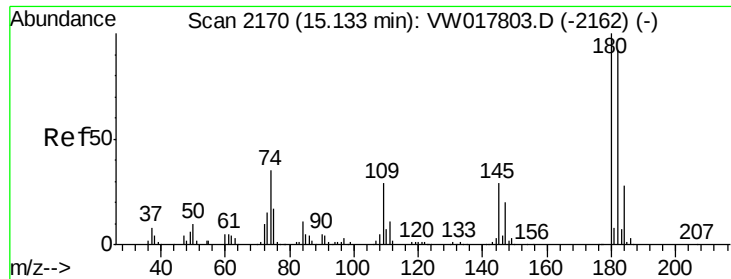
Tot Ion: 75 Resp: 4641
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.0



#67
 1,3,5-Trichlorobenzene
 Concen: 0.298 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017805.D
 Acq: 08 Jan 2021 15:09

Tgt Ion: 180 Resp: 417
 Ion Ratio Lower Upper
 180 100
 182 77.9 76.2 114.2
 184 21.6 23.6 35.4#
 145 19.4 25.2 37.8#





#68

1,2,4-trichlorobenzene

Concen: 0.424 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017805.D

Acq: 08 Jan 2021 15:09

Instrument :

MSVOA_W

ClientSampleId :

BFN59

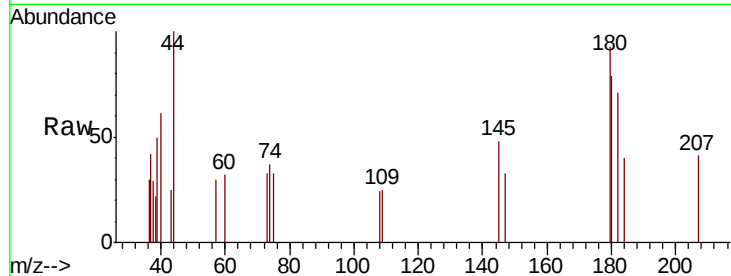
Tot Ion:180 Resp: 489

Ion Ratio Lower Upper

180 100

182 50.5 73.0 109.6#

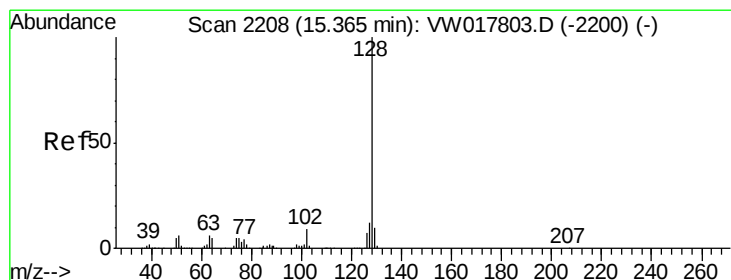
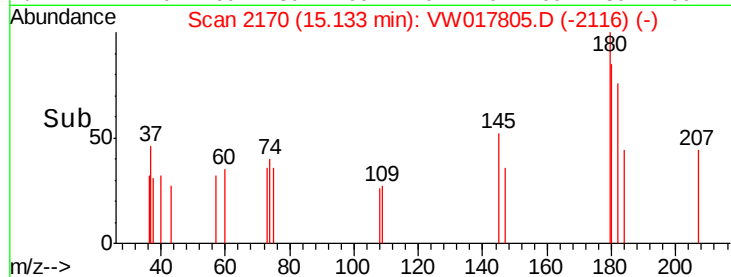
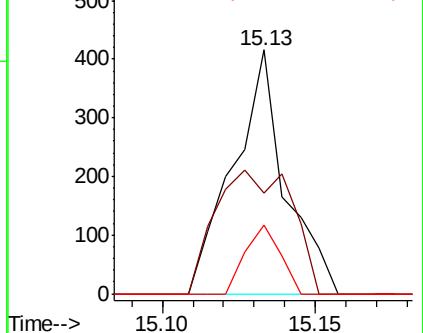
145 19.0 25.8 38.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 0.592 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017805.D

Acq: 08 Jan 2021 15:09

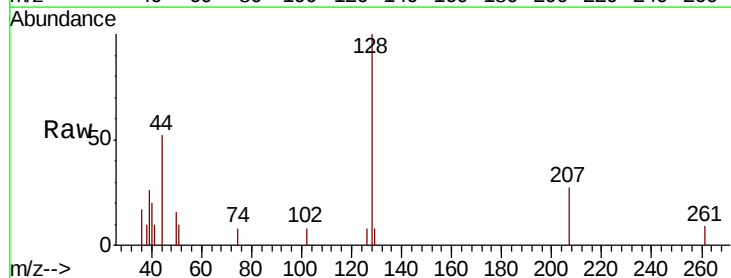
Tgt Ion:128 Resp: 1301

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

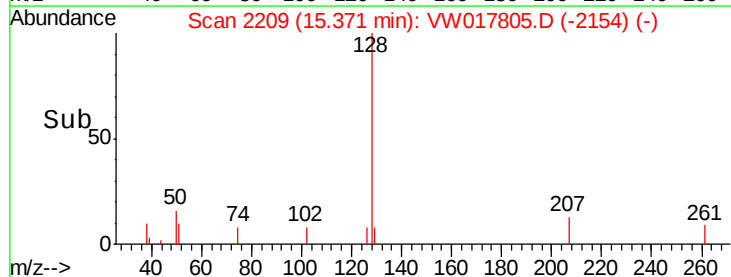
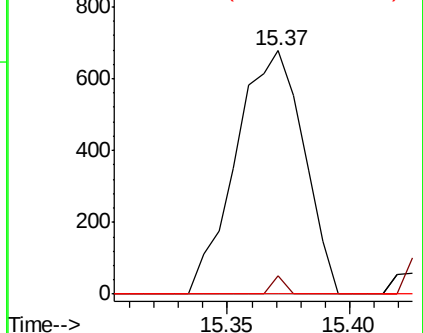
127 0.0 10.6 15.8#

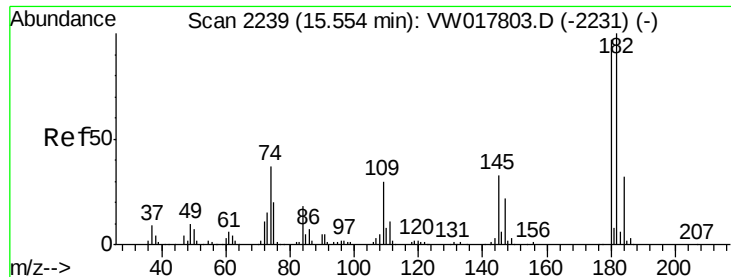


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.290 ug/L
 RT: 15.55 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: VW017805.D
 Acq: 08 Jan 2021 15:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	122.3	74.8	112.2
145	0.0	28.6	43.0

