

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017908.D
 Acq On : 15 Jan 2021 19:19
 Operator : SY/VA
 Sample : M1099-19
 Misc : 5.90G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C15

Quant Time: Jan 18 02:10:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 02:07:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	295615	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	230358	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	74339	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107319	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
7) Chloroethane-d5	2.89	69	92906	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
10) 1,1-Dichloroethene-d2	4.02	63	135678	17.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.12%
20) 2-Butanone-d5	7.08	46	46900	63.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.52%
24) Chloroform-d	7.65	84	183278	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	108034	27.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.08%
29) Benzene-d6	8.27	84	354409	27.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.24%
33) 1,2-Dichloropropane-d6	9.27	67	109825	30.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.80%#
37) Toluene-d8	10.32	98	303260	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.32%
38) trans-1,3-Dichloropropene-	10.58	79	28673	17.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.92%
39) 2-Hexanone-d5	10.93	63	32309	71.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.86%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77112	29.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	61462	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

					Ovalue
13) Acetone	4.13	43	24903	38.902	ug/L 92
14) Carbon disulfide	4.38	76	30653	2.818	ug/L 99
16) Methylene chloride	4.92	84	8194	1.938	ug/L 91
36) Methylcyclohexane	9.34	83	4254	0.667	ug/L # 37
42) cis-1,3-Dichloropropene	10.04	75	2795	0.563	ug/L 88
45) trans-1,3-Dichloropropene	10.58	75	1674	0.396	ug/L # 82
46) 1,1,2-Trichloroethane	10.76	97	4843	2.095	ug/L # 37
49) 2-Hexanone	10.93	43	11344	10.584	ug/L # 42
52) Chlorobenzene	11.66	112	6409	0.684	ug/L # 79
57) Isopropylbenzene	12.46	105	20278	1.168	ug/L # 93
58) 1,1,2,2-Tetrachloroethane	12.69	83	7148	2.771	ug/L # 61
63) 1,3-Dichlorobenzene	13.50	146	56317	12.274	ug/L 91
64) 1,4-Dichlorobenzene	13.58	146	67577	14.656	ug/L 96
66) 1,2-Dibromo-3-chloropropan	14.33	75	1063	4.003	ug/L # 13
70) 1,2,3-Trichlorobenzene	15.57	180	809	0.370	ug/L # 16

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Quant Title : VOC Analysis
QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration

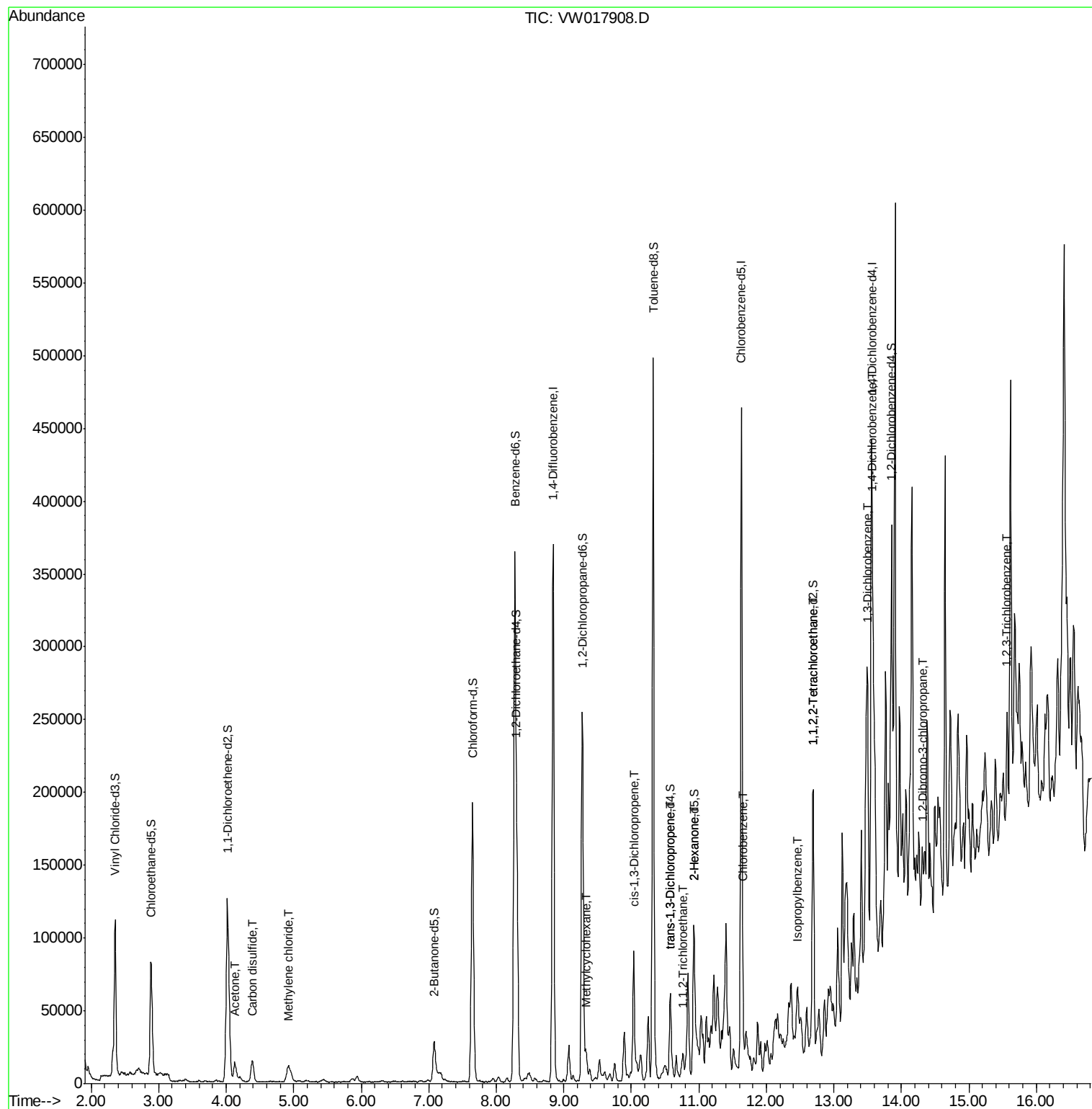
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

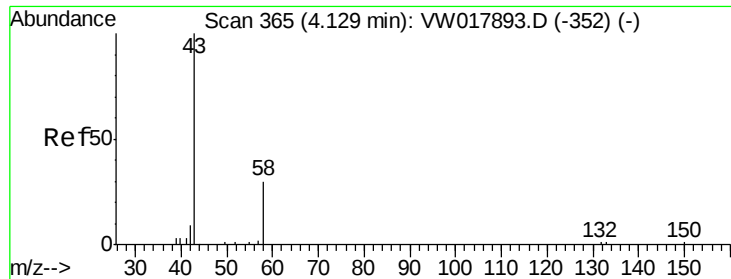
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#13

Acetone

Concen: 38.902 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017908.D

Acq: 15 Jan 2021 19:19

Instrument :

MSVOA_W

ClientSampleId :

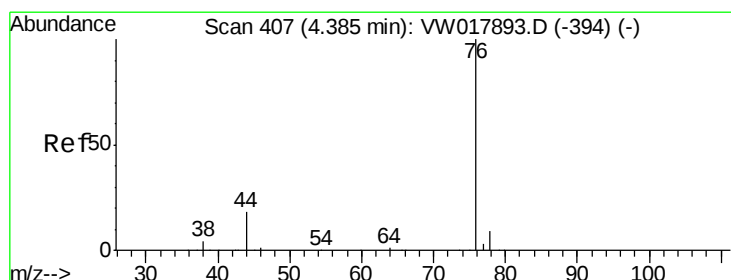
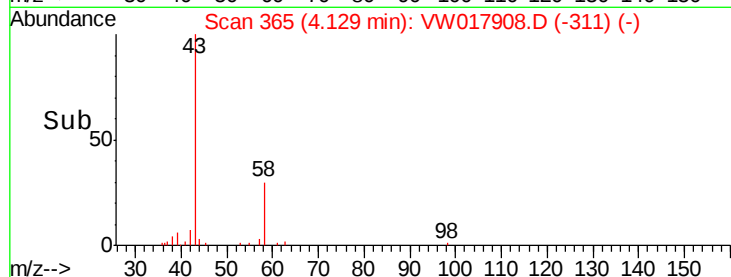
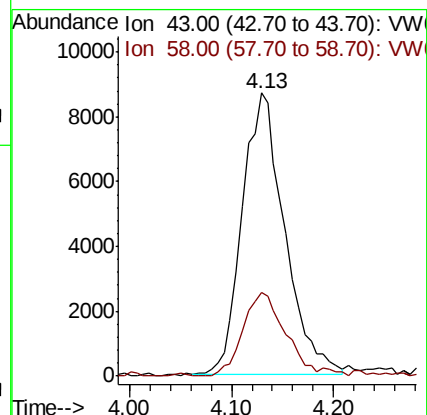
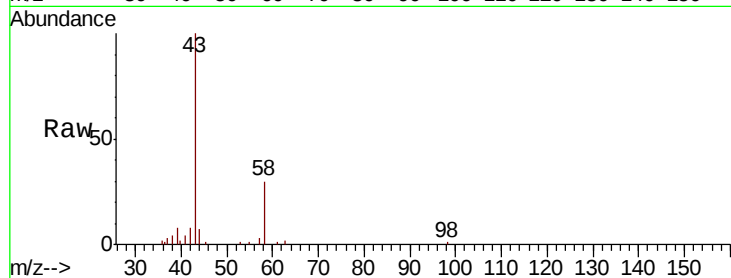
F1C15

Tot Ion: 43 Resp: 24903

Ion Ratio Lower Upper

43 100

58 29.4 0.0 68.4



#14

Carbon disulfide

Concen: 2.818 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017908.D

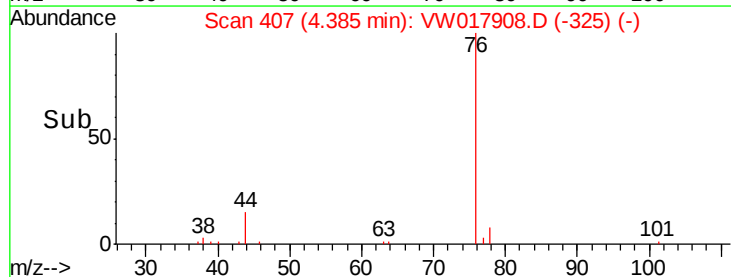
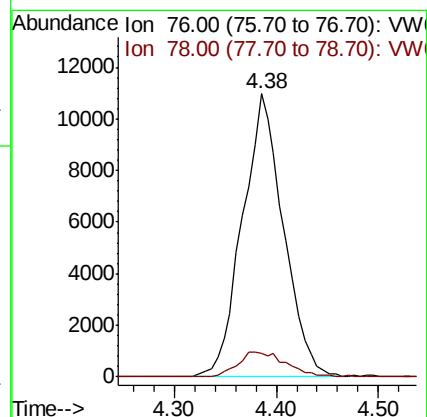
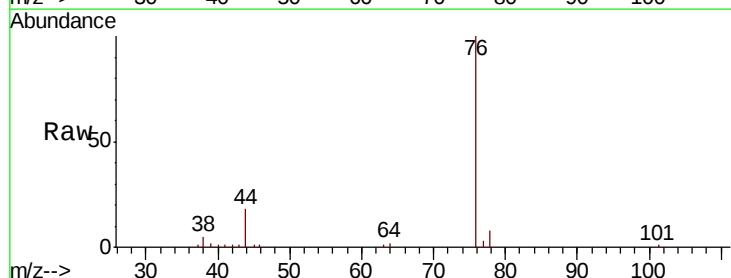
Acq: 15 Jan 2021 19:19

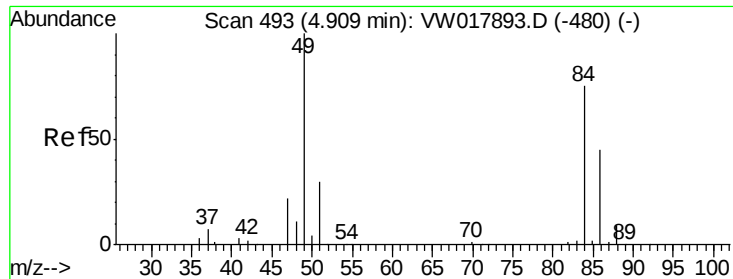
Tgt Ion: 76 Resp: 30653

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4

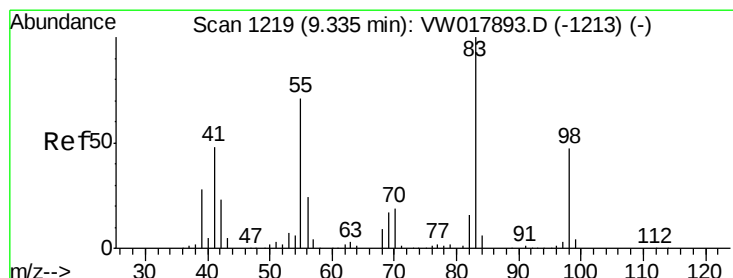
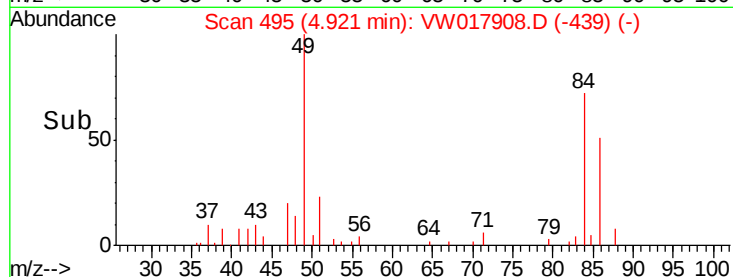
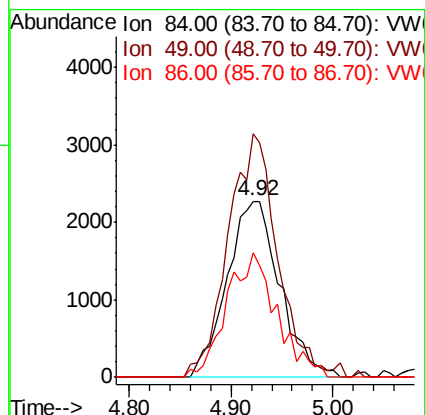
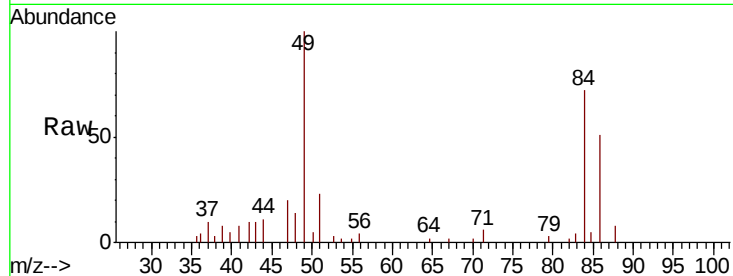




#16
Methylene chloride
Concen: 1.938 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017908.D
Acq: 15 Jan 2021 19:19

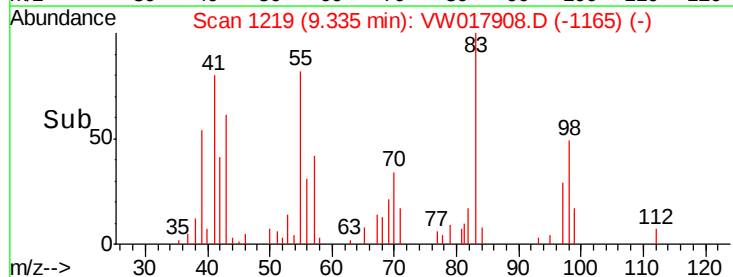
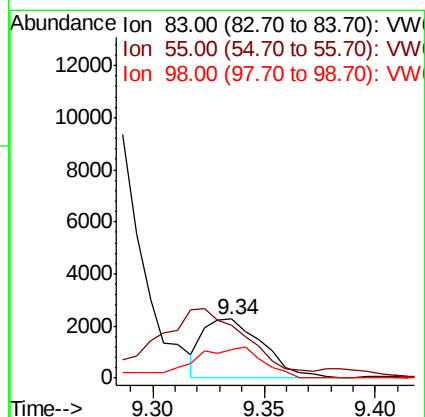
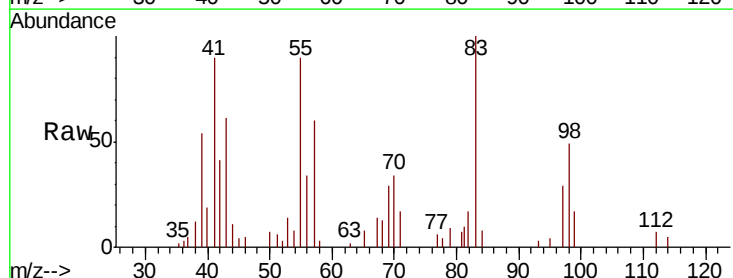
Instrument :
MSVOA_W
ClientSampleId :
F1C15

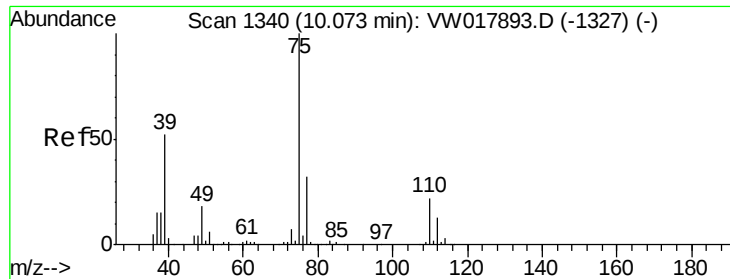
Tot Ion: 84 Resp: 8194
Ion Ratio Lower Upper
84 100
49 129.7 81.2 150.8
86 66.4 44.5 82.7



#36
Methylcyclohexane
Concen: 0.667 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017908.D
Acq: 15 Jan 2021 19:19

Tgt Ion: 83 Resp: 4254
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 32.5 40.7 61.1#





#42

cis-1,3-Dichloropropene

Concen: 0.563 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017908.D

Acq: 15 Jan 2021 19:19

Instrument :

MSVOA_W

ClientSampled :

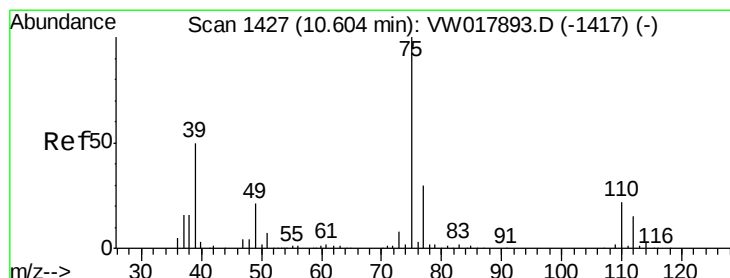
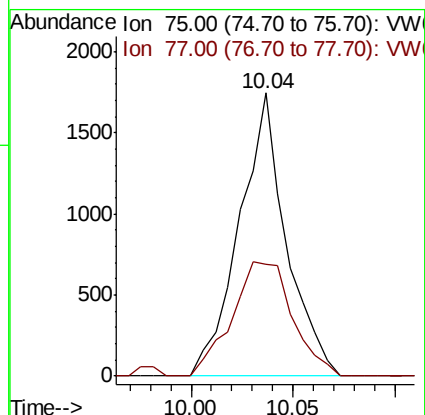
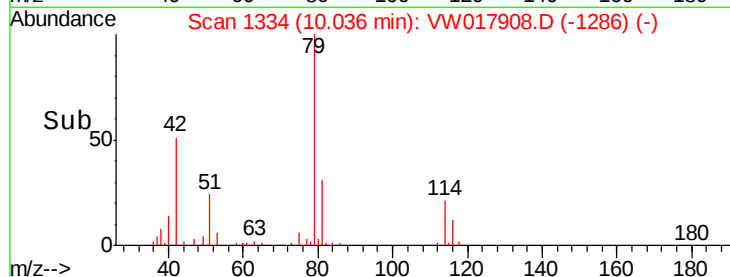
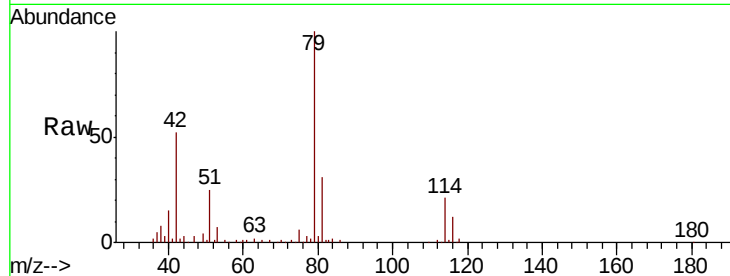
F1C15

Tot Ion: 75 Resp: 2795

Ion Ratio Lower Upper

75 100

77 39.5 22.7 42.3



#45

trans-1,3-Dichloropropene

Concen: 0.396 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017908.D

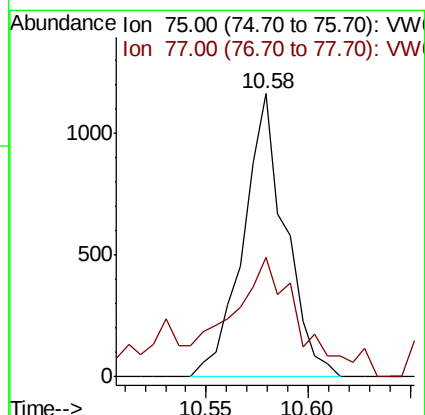
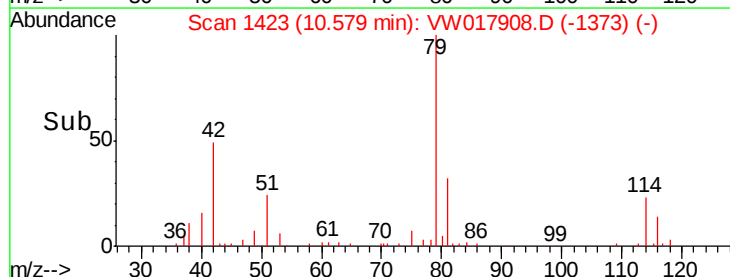
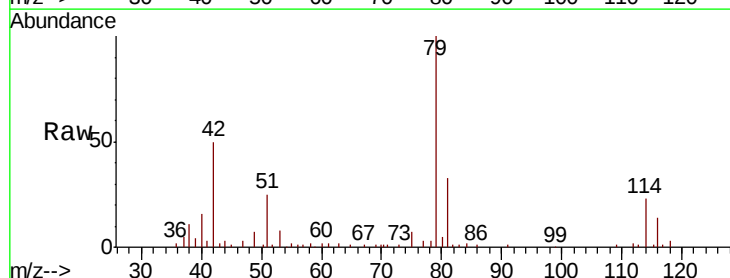
Acq: 15 Jan 2021 19:19

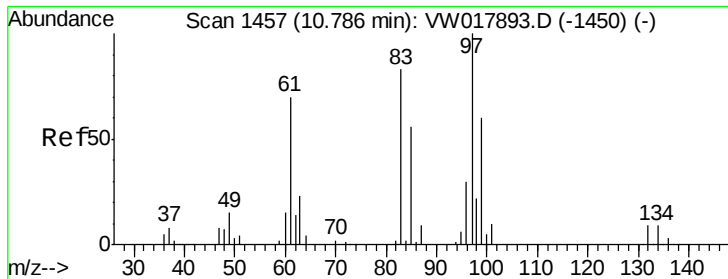
Tgt Ion: 75 Resp: 1674

Ion Ratio Lower Upper

75 100

77 42.4 22.6 42.0#





#46

1,1,2-Trichloroethane

Concen: 2.095 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW017908.D

Acq: 15 Jan 2021 19:19

Instrument :

MSVOA_W

ClientSampled :

F1C15

Tot Ion: 97 Resp: 4843

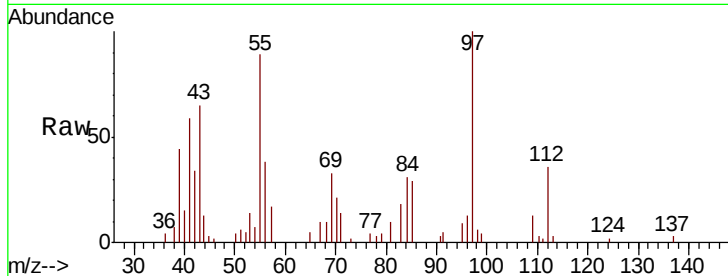
Ion Ratio Lower Upper

97 100

83 17.8 58.5 108.7#

85 29.1 37.8 70.2#

99 4.0 43.7 81.1#

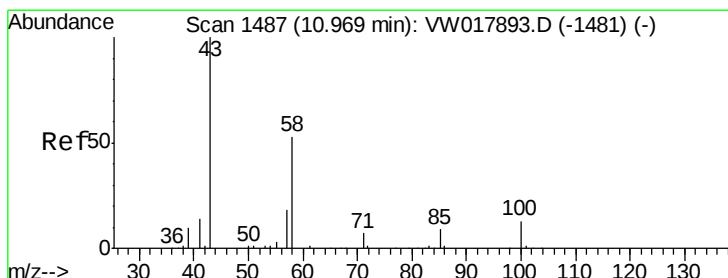
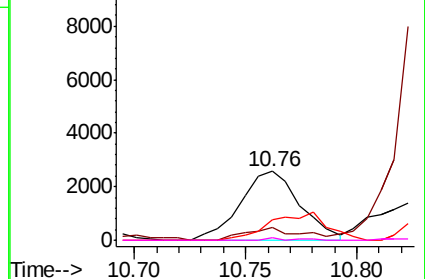
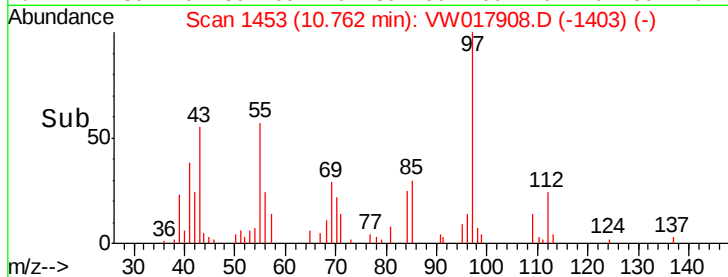


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#49

2-Hexanone

Concen: 10.584 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017908.D

Acq: 15 Jan 2021 19:19

Tgt Ion: 43 Resp: 11344

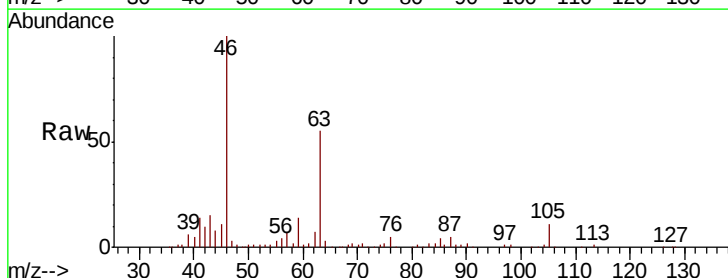
Ion Ratio Lower Upper

43 100

58 10.7 51.3 76.9#

57 0.0 15.0 22.6#

100 1.1 12.2 18.2#

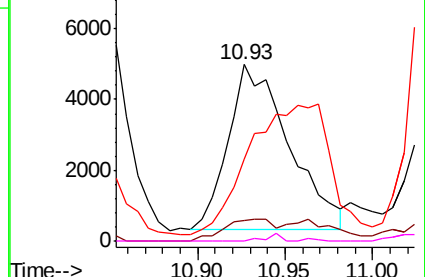
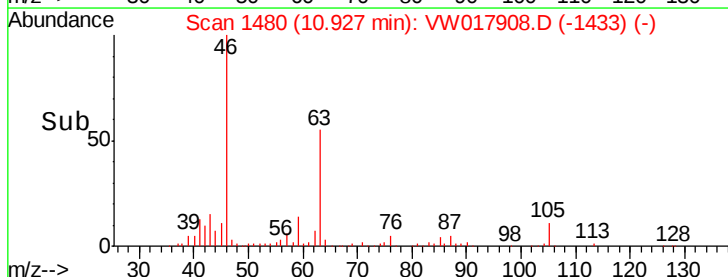


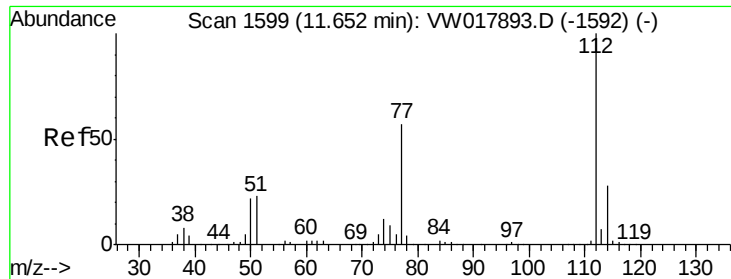
Abundance Ion 43.00 (42.70 to 43.70): VW

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

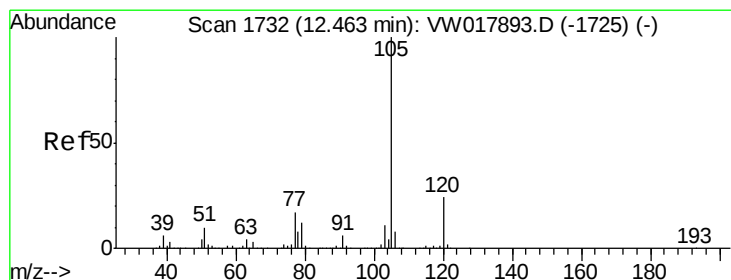
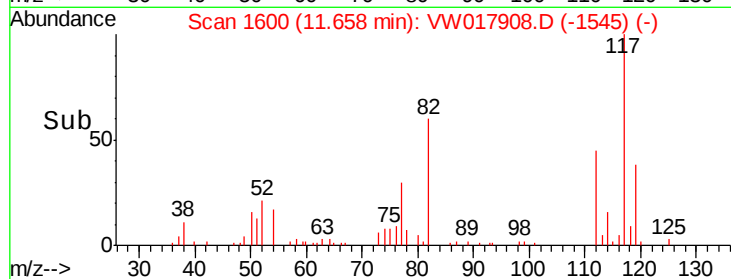
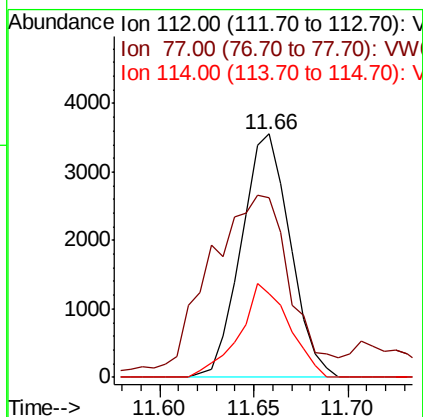
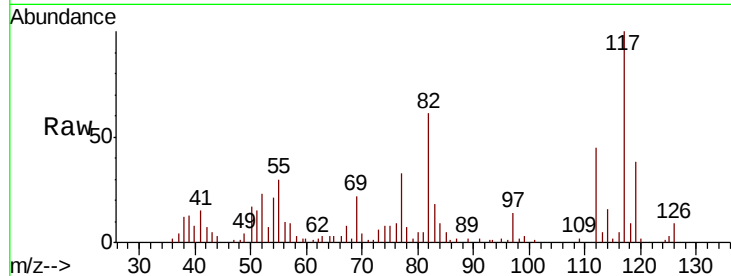




#52
Chlorobenzene
Concen: 0.684 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017908.D
Acq: 15 Jan 2021 19:19

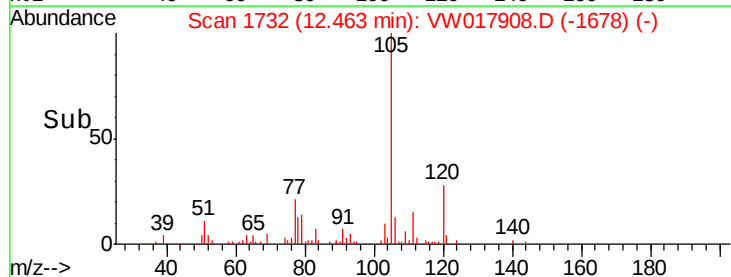
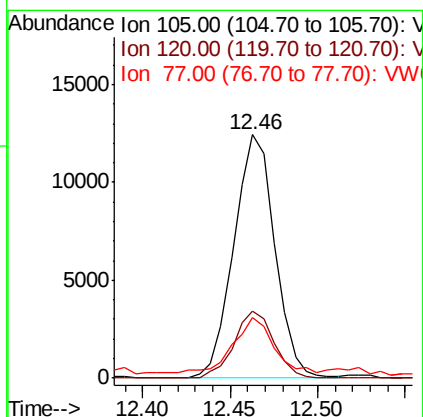
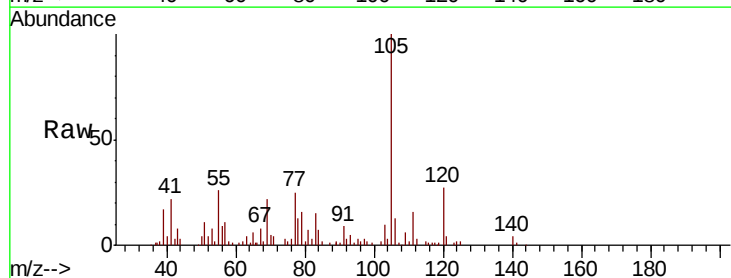
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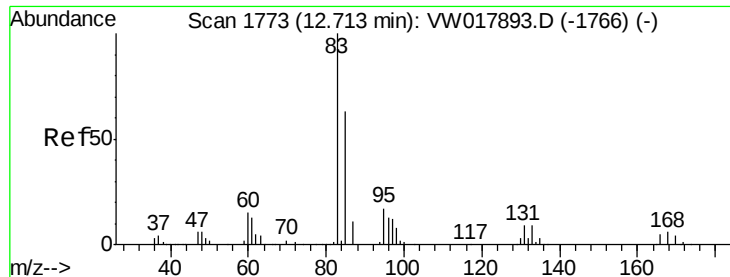
Tot Ion:112 Resp: 6409
Ion Ratio Lower Upper
112 100
77 73.8 42.6 64.0#
114 34.4 21.6 40.2



#57
Isopropylbenzene
Concen: 1.168 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW017908.D
Acq: 15 Jan 2021 19:19

Tgt Ion:105 Resp: 20278
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 22.9 12.1 18.1#

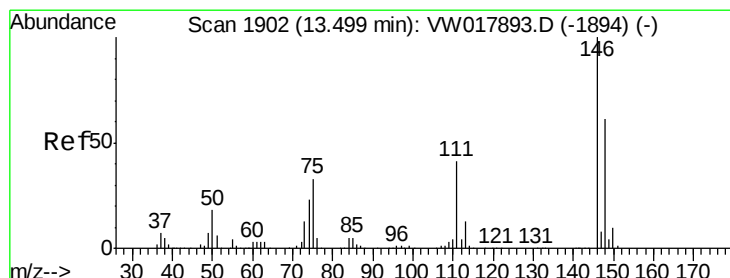
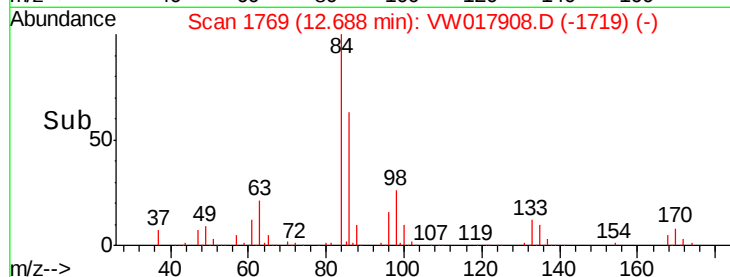
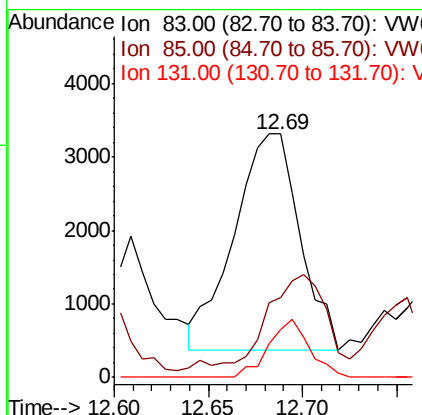
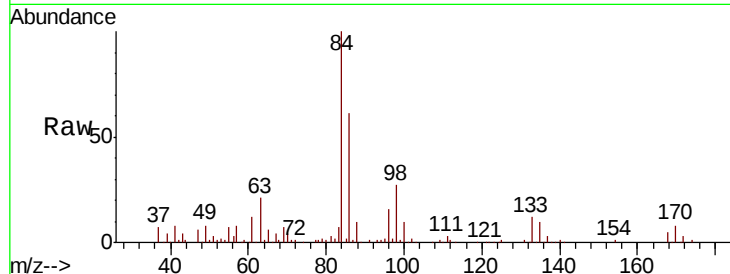




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.771 ug/L
 RT: 12.69 min Scan# 1769
 Delta R.T. -0.02 min
 Lab File: VW017908.D
 Acq: 15 Jan 2021 19:19

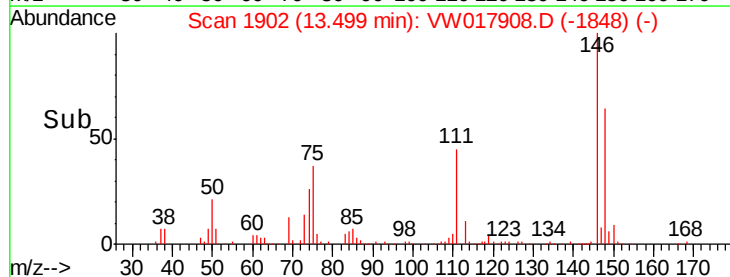
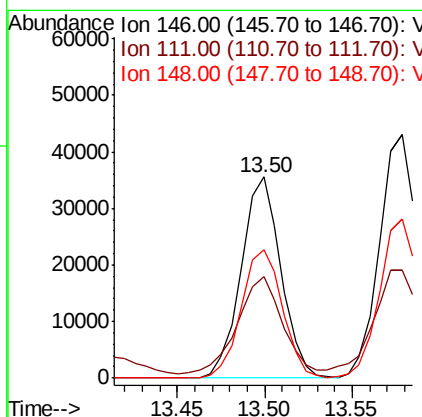
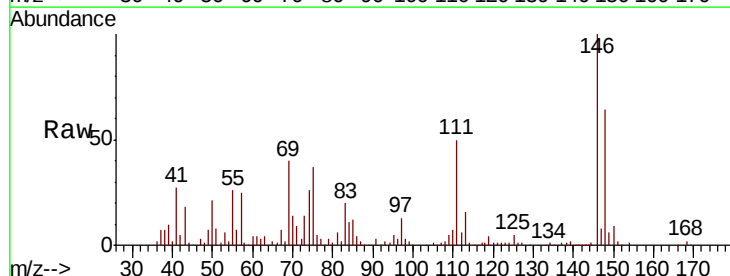
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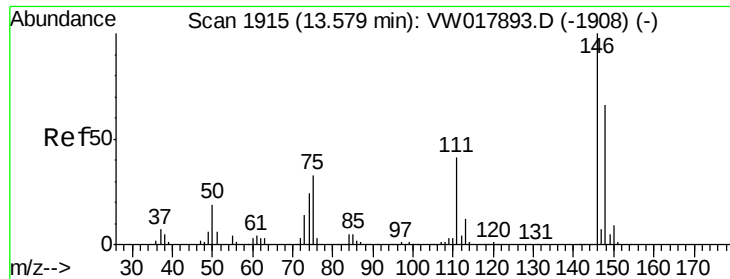
Tot Ion: 83 Resp: 7148
 Ion Ratio Lower Upper
 83 100
 85 32.6 45.3 84.1#
 131 19.7 8.3 12.5#



#63
 1,3-Dichlorobenzene
 Concen: 12.274 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017908.D
 Acq: 15 Jan 2021 19:19

Tgt Ion: 146 Resp: 56317
 Ion Ratio Lower Upper
 146 100
 111 50.2 28.5 52.9
 148 64.0 47.8 88.8

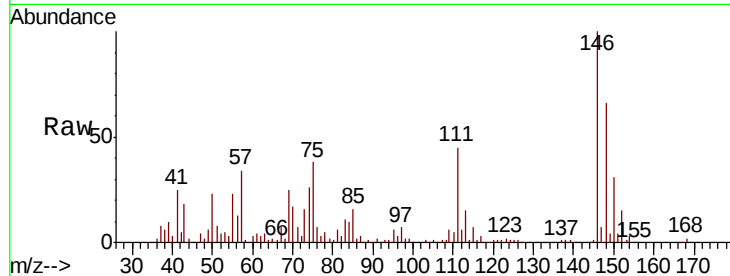




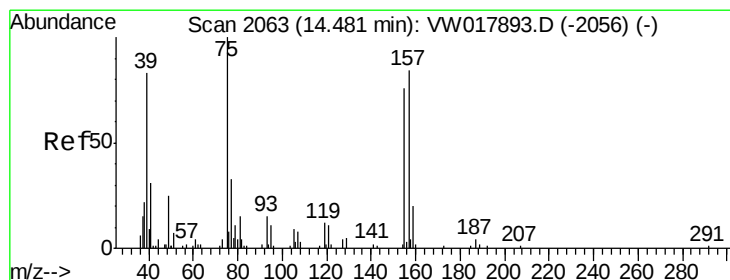
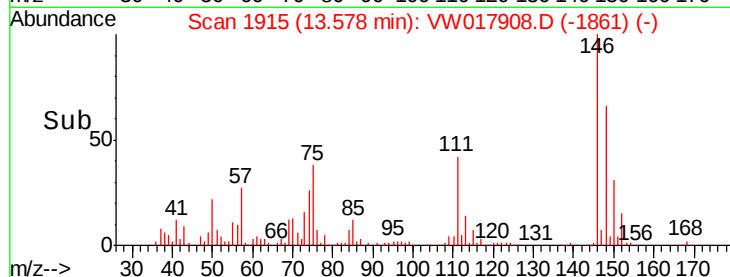
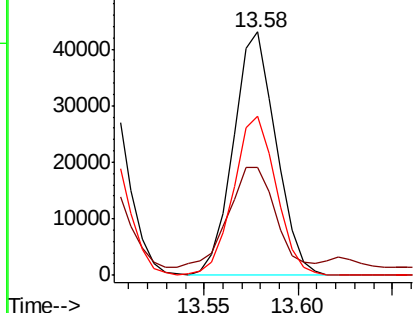
#64
 1,4-Dichlorobenzene
 Concen: 14.656 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017908.D
 Acq: 15 Jan 2021 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C15

Tot Ion:146 Resp: 67577
 Ion Ratio Lower Upper
 146 100
 111 44.6 27.7 51.5
 148 65.5 47.0 87.2

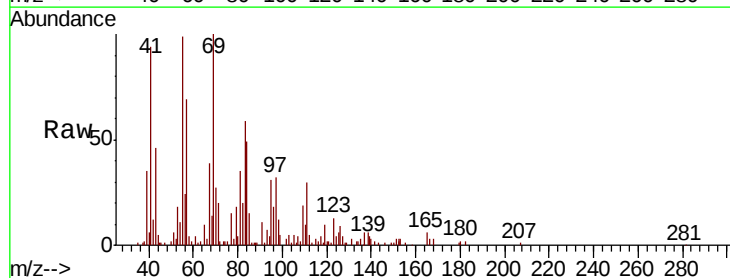


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

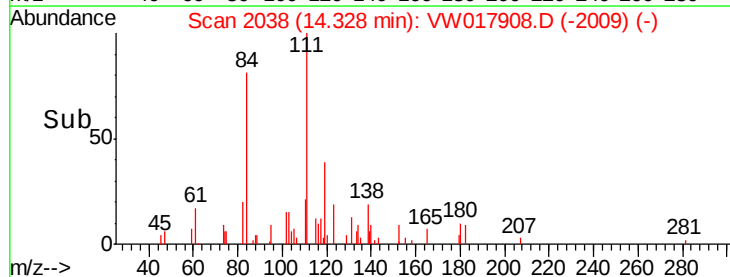
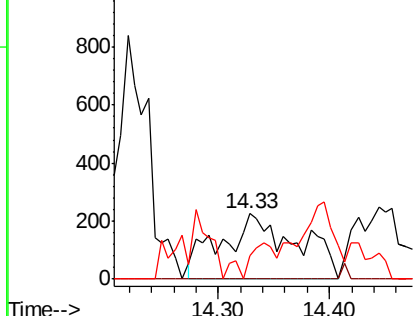


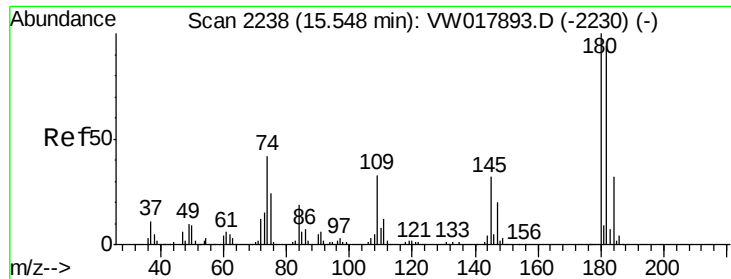
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.003 ug/L
 RT: 14.33 min Scan# 2038
 Delta R.T. -0.15 min
 Lab File: VW017908.D
 Acq: 15 Jan 2021 19:19

Tgt Ion: 75 Resp: 1063
 Ion Ratio Lower Upper
 75 100
 157 0.0 99.9 149.9#
 155 36.9 71.4 107.0#



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

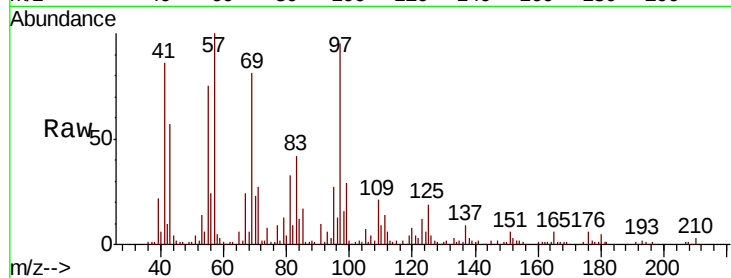




#70
 1,2,3-Trichlorobenzene
 Concen: 0.370 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.02 min
 Lab File: VW017908.D
 Acq: 15 Jan 2021 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C15

Tot Ion	Ratio	Lower	Upper
180	100		
182	17.7	74.7	112.1#
145	86.2	25.4	38.0#



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

