

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017913.D
 Acq On : 15 Jan 2021 21:17
 Operator : SY/VA
 Sample : M1099-12RE
 Misc : 7.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C08

Quant Time: Jan 18 02:11:23 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	382798	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	330342	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	123796	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108827	18.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.48%
7) Chloroethane-d5	2.89	69	93180	19.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.24%
10) 1,1-Dichloroethene-d2	4.02	63	147851	14.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.32%
20) 2-Butanone-d5	7.08	46	49834	51.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.82%
24) Chloroform-d	7.65	84	205203	20.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.04%
26) 1,2-Dichloroethane-d4	8.31	65	120712	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.24%
29) Benzene-d6	8.27	84	401027	21.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.20%
33) 1,2-Dichloropropane-d6	9.27	67	119020	23.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.80%
37) Toluene-d8	10.32	98	359499	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.48%
38) trans-1,3-Dichloropropene-	10.58	79	39905	17.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.80%
39) 2-Hexanone-d5	10.93	63	34667	53.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87047	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	88568	20.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.16%

Target Compounds

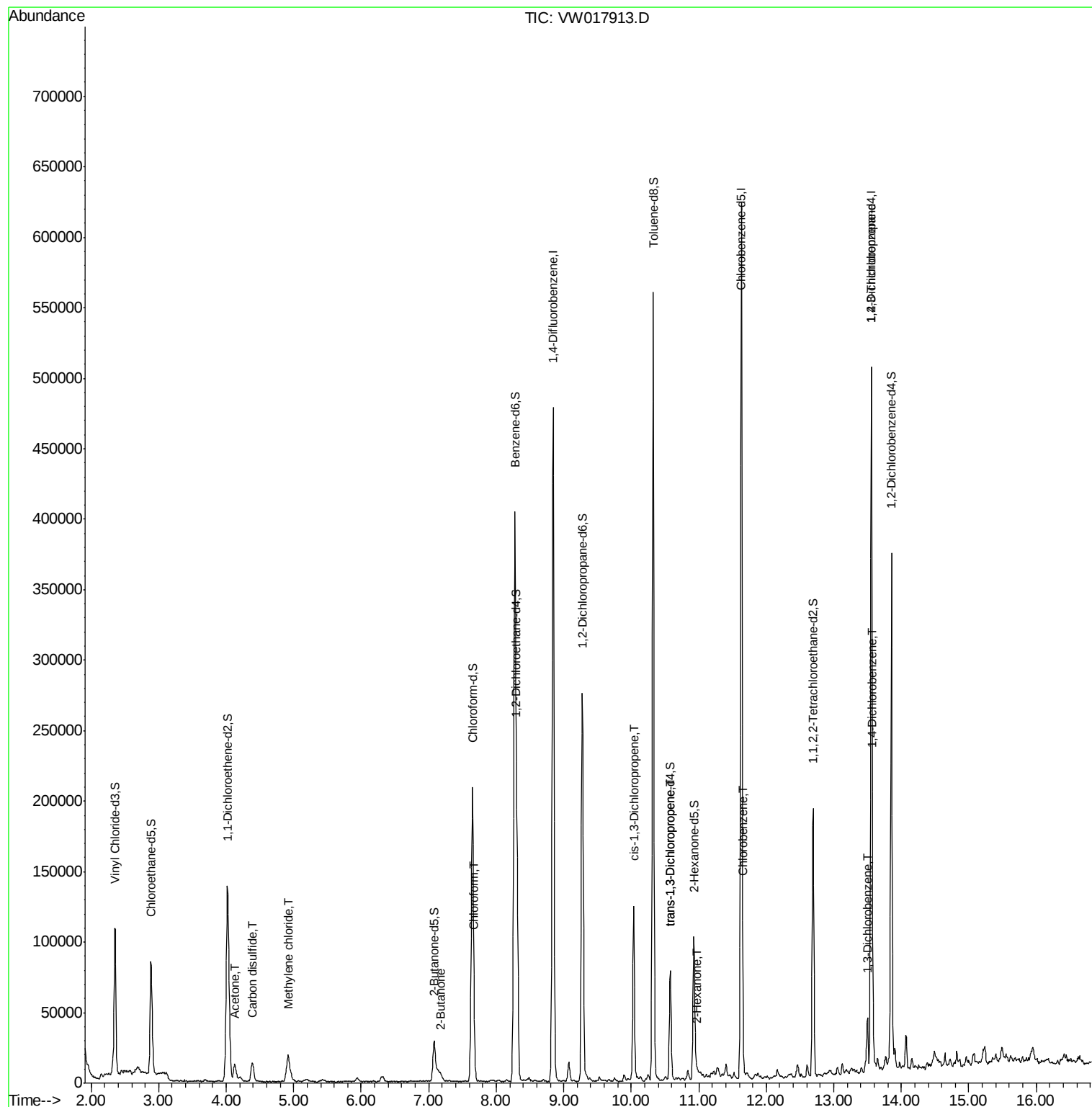
					Ovalue
13) Acetone	4.13	43	22732	27.423 ug/L	92
14) Carbon disulfide	4.39	76	29015	2.060 ug/L #	93
16) Methylene chloride	4.92	84	14639	2.674 ug/L	89
21) 2-Butanone	7.18	43	6057	5.432 ug/L	74
25) Chloroform	7.68	83	3103	0.339 ug/L #	45
42) cis-1,3-Dichloropropene	10.04	75	3749	0.527 ug/L #	68
45) trans-1,3-Dichloropropene	10.59	75	2289	0.378 ug/L	94
49) 2-Hexanone	10.98	43	853	0.555 ug/L #	23
52) Chlorobenzene	11.66	112	5792	0.431 ug/L	87
59) 1,2,3-Trichloropropane	13.56	75	20446	7.519 ug/L	95
63) 1,3-Dichlorobenzene	13.50	146	13179	1.725 ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	13080	1.703 ug/L	93

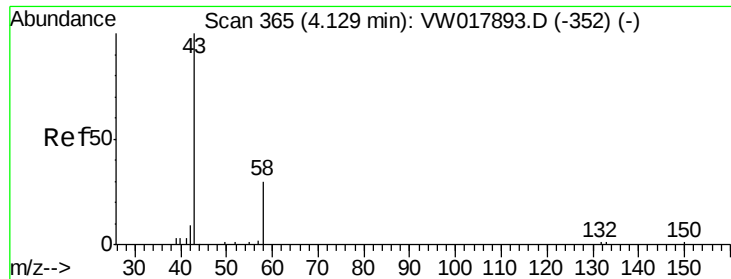
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 27.423 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017913.D

Acq: 15 Jan 2021 21:17

Instrument :

MSVOA_W

ClientSampleId :

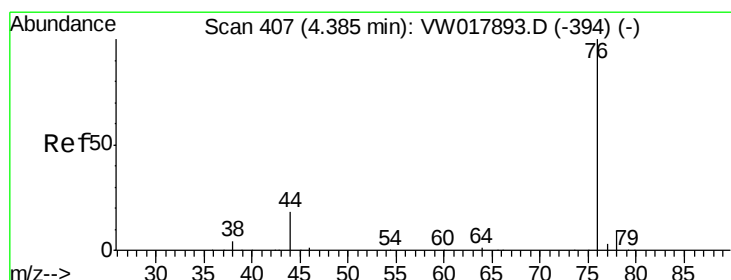
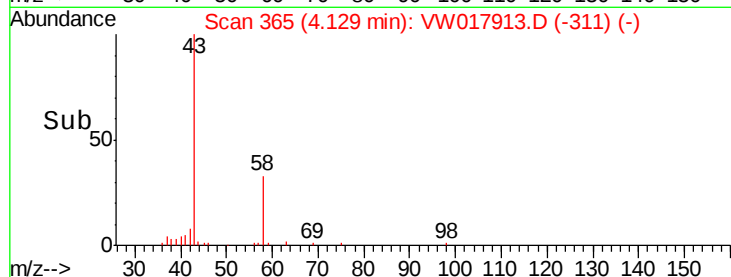
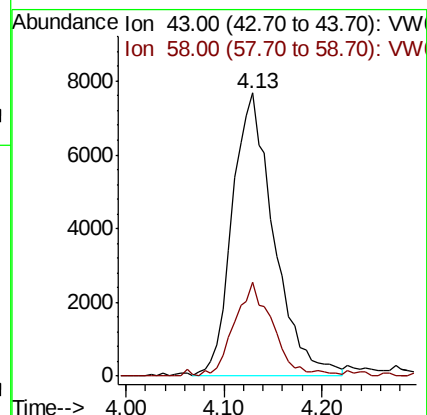
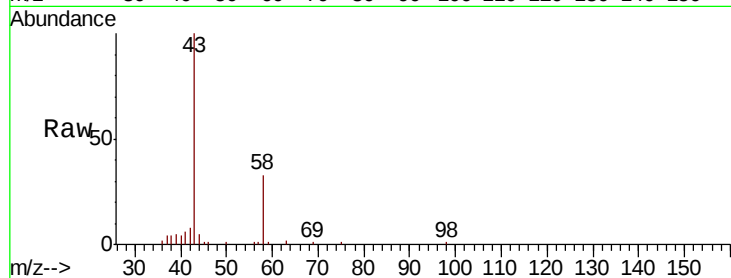
F1C08

Tot Ion: 43 Resp: 22732

Ion Ratio Lower Upper

43 100

58 29.4 0.0 68.4



#14

Carbon disulfide

Concen: 2.060 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017913.D

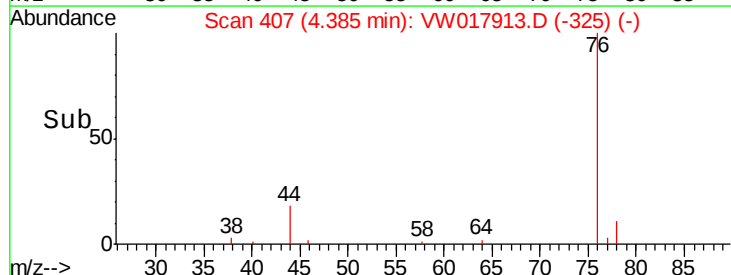
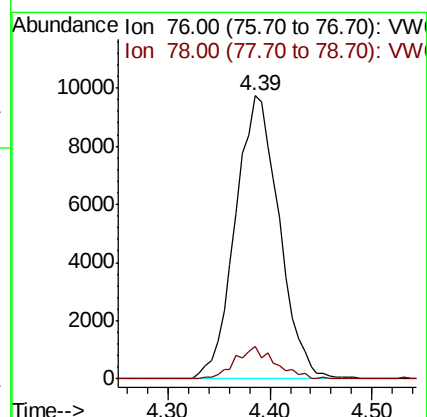
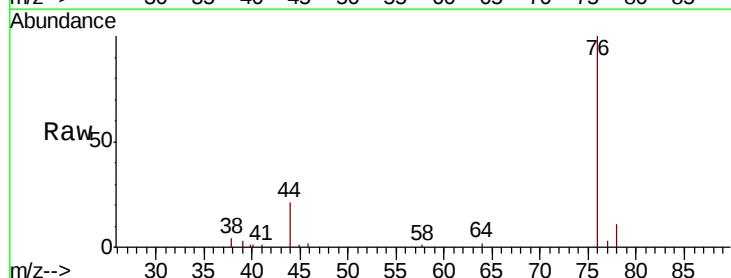
Acq: 15 Jan 2021 21:17

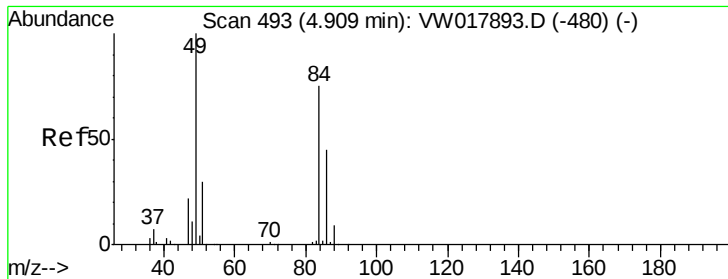
Tgt Ion: 76 Resp: 29015

Ion Ratio Lower Upper

76 100

78 11.4 7.0 10.4#

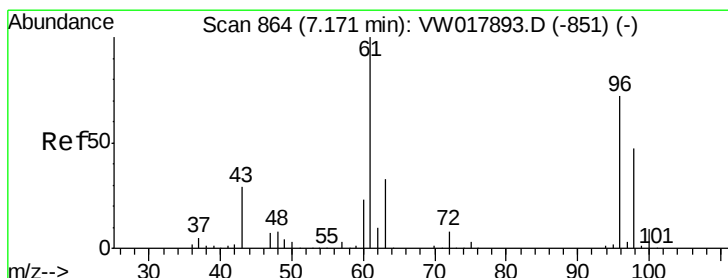
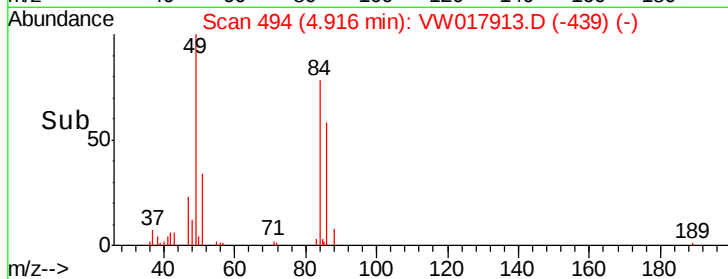
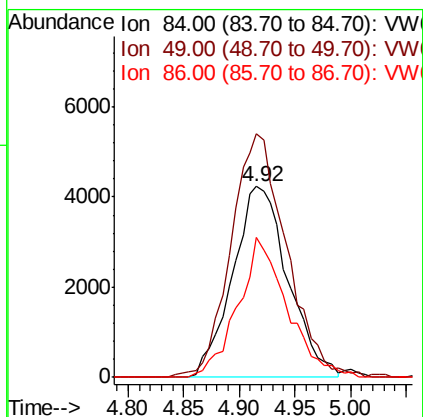
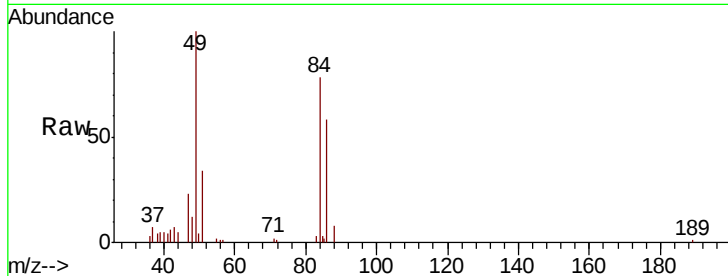




#16
Methvlene chloride
Concen: 2.674 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW017913.D
Acq: 15 Jan 2021 21:17

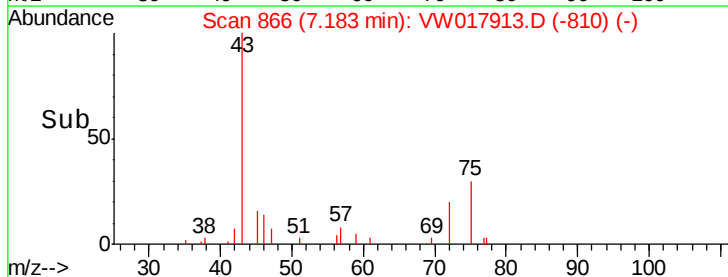
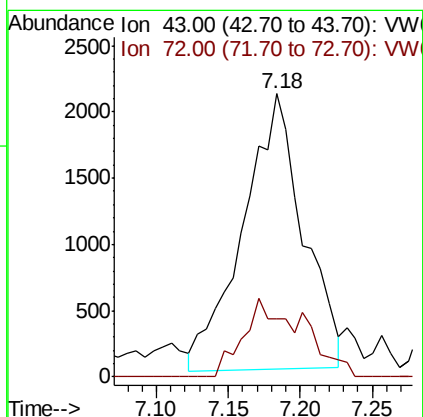
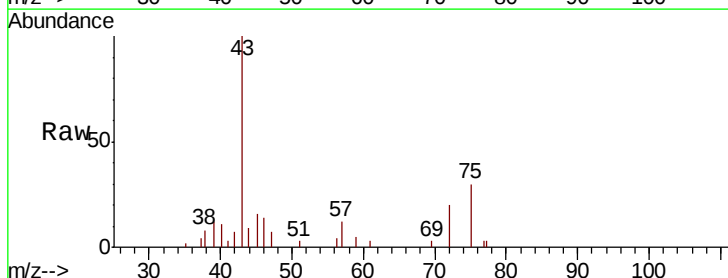
Instrument :
MSVOA_W
ClientSampleId :
F1C08

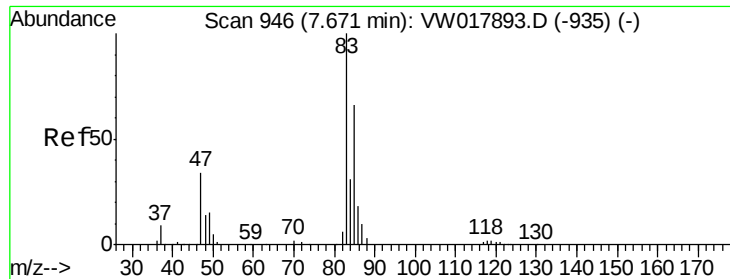
Tot Ion: 84 Resp: 14639
Ion Ratio Lower Upper
84 100
49 127.7 81.2 150.8
86 73.5 44.5 82.7



#21
2-Butanone
Concen: 5.432 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017913.D
Acq: 15 Jan 2021 21:17

Tgt Ion: 43 Resp: 6057
Ion Ratio Lower Upper
43 100
72 14.9 14.4 43.2





#25

Chloroform

Concen: 0.339 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017913.D

Acq: 15 Jan 2021 21:17

Instrument :

MSVOA_W

ClientSampled :

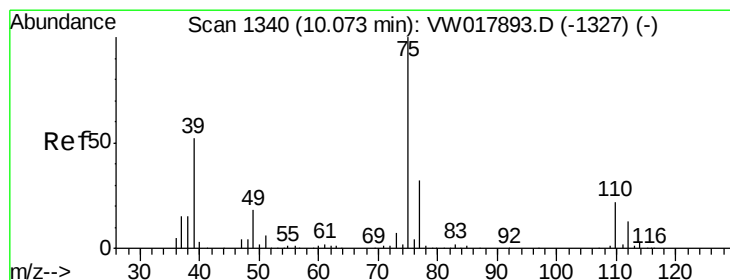
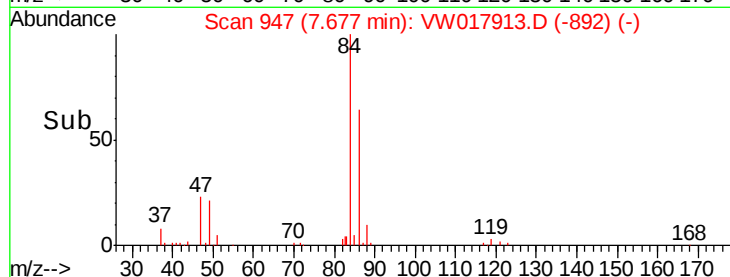
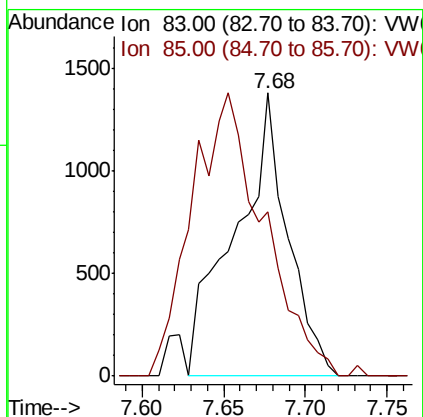
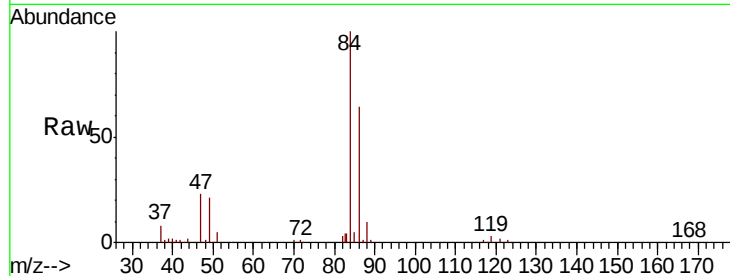
F1C08

Tot Ion: 83 Resp: 3103

Ion Ratio Lower Upper

83 100

85 108.9 45.7 84.9#



#42

cis-1,3-Dichloropropene

Concen: 0.527 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017913.D

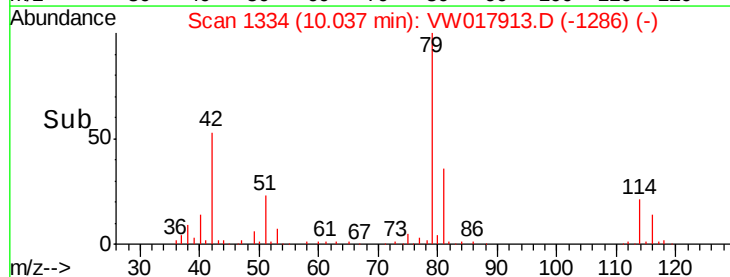
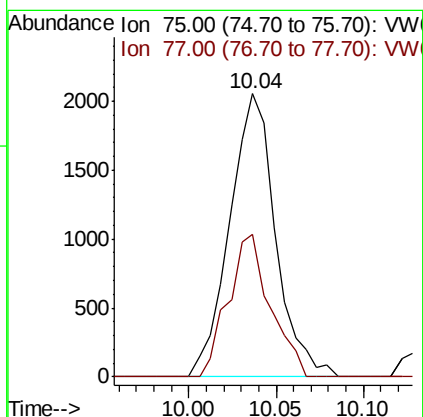
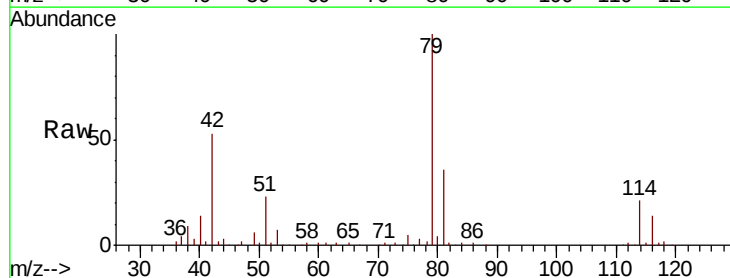
Acq: 15 Jan 2021 21:17

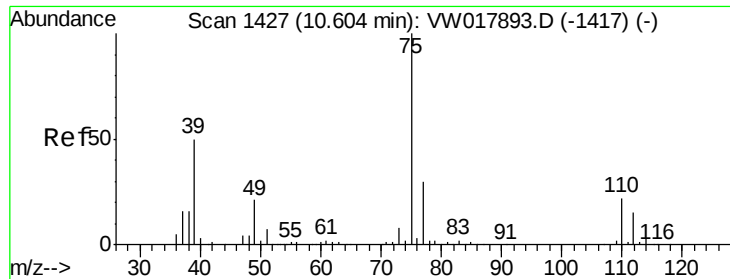
Tgt Ion: 75 Resp: 3749

Ion Ratio Lower Upper

75 100

77 50.3 22.7 42.3#





#45

trans-1,3-Dichloropropene

Concen: 0.378 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017913.D

Acq: 15 Jan 2021 21:17

Instrument :

MSVOA_W

ClientSampled :

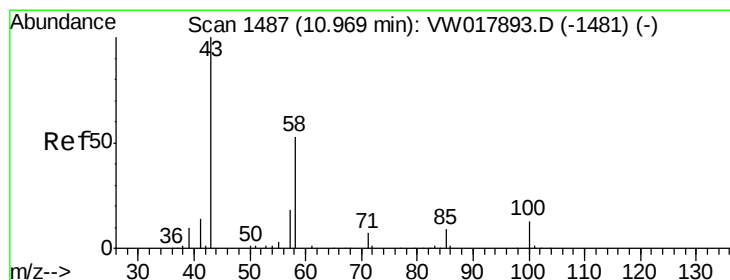
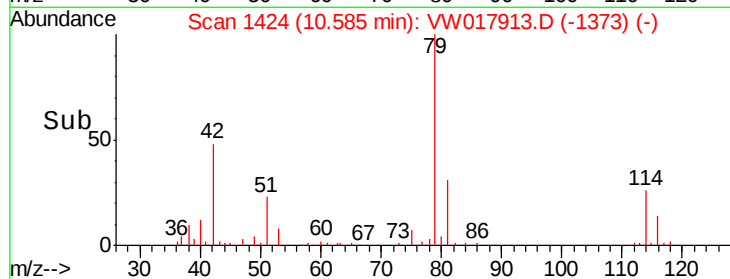
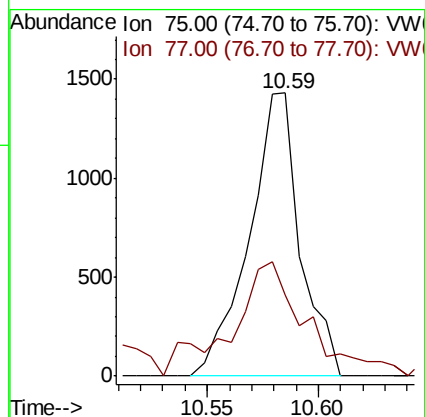
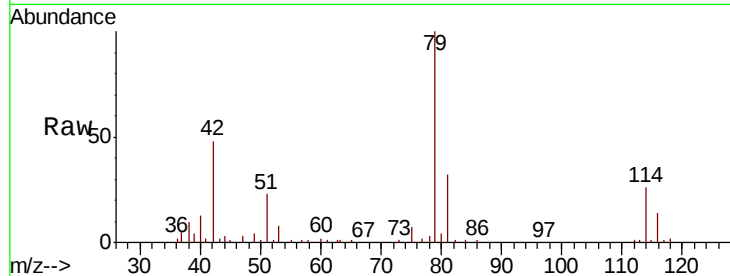
F1C08

Tot Ion: 75 Resp: 2289

Ion Ratio Lower Upper

75 100

77 28.7 22.6 42.0



#49

2-Hexanone

Concen: 0.555 ug/L

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW017913.D

Acq: 15 Jan 2021 21:17

Tgt Ion: 43 Resp: 853

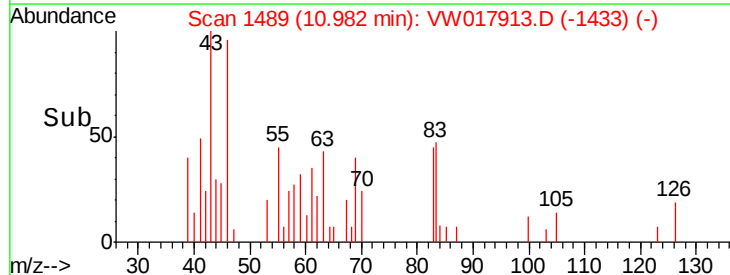
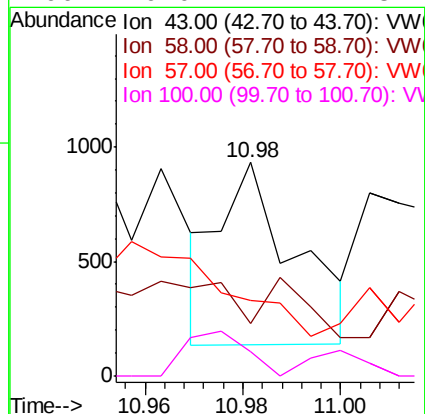
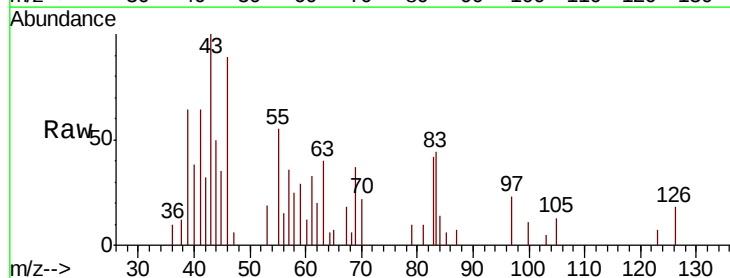
Ion Ratio Lower Upper

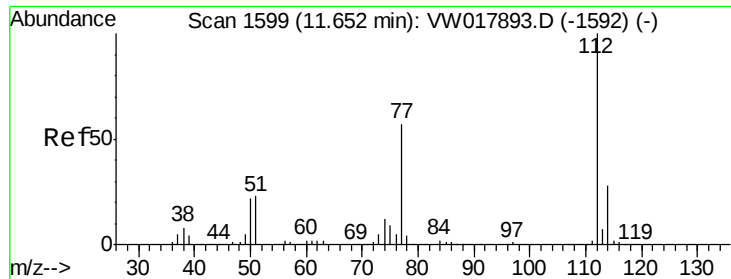
43 100

58 16.9 51.3 76.9#

57 102.2 15.0 22.6#

100 20.0 12.2 18.2#

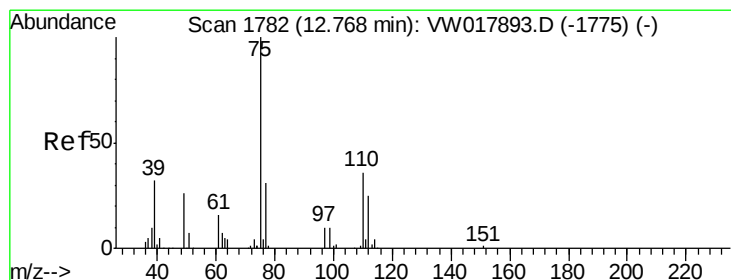
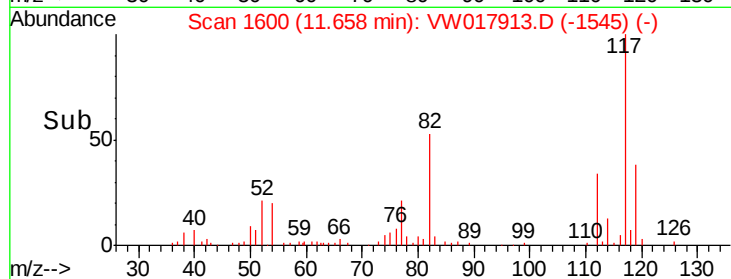
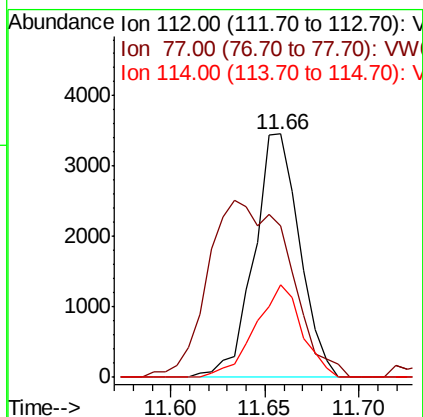
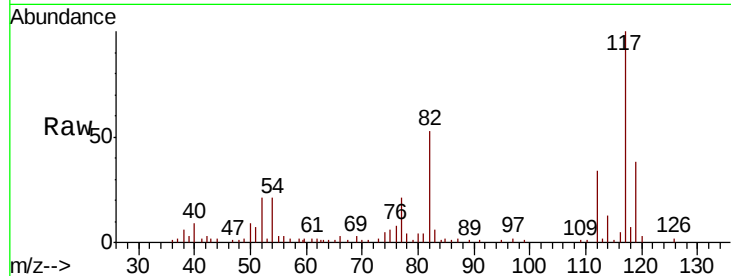




#52
Chlorobenzene
Concen: 0.431 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017913.D
Acq: 15 Jan 2021 21:17

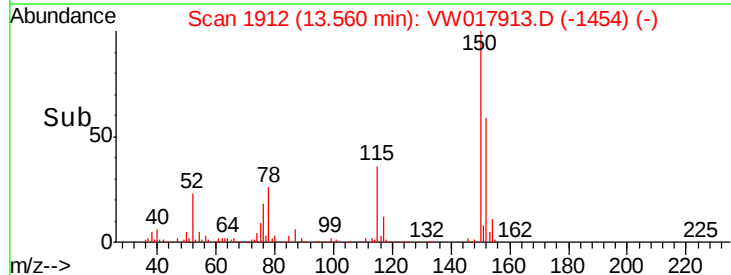
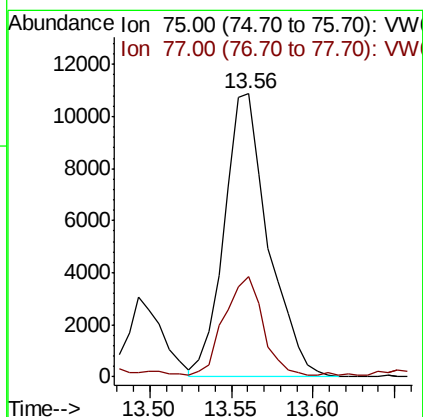
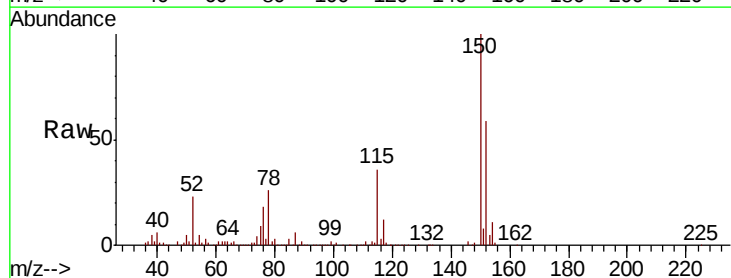
Instrument :
MSVOA_W
ClientSampleId :
F1C08

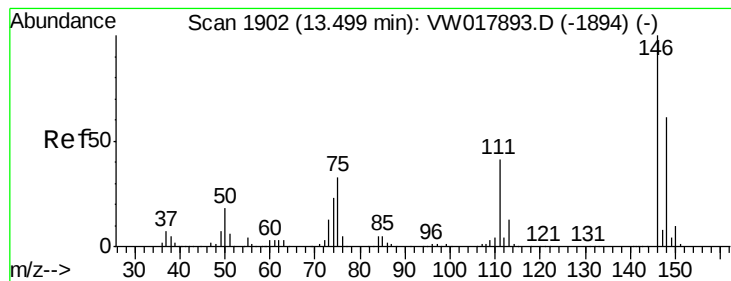
Tot Ion:112 Resp: 5792
Ion Ratio Lower Upper
112 100
77 62.2 42.6 64.0
114 38.0 21.6 40.2



#59
1,2,3-Trichloropropane
Concen: 7.519 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW017913.D
Acq: 15 Jan 2021 21:17

Tgt Ion: 75 Resp: 20446
Ion Ratio Lower Upper
75 100
77 30.2 26.6 39.8





#63

1,3-Dichlorobenzene

Concen: 1.725 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017913.D

Acq: 15 Jan 2021 21:17

Instrument :

MSVOA_W

ClientSampled :

F1C08

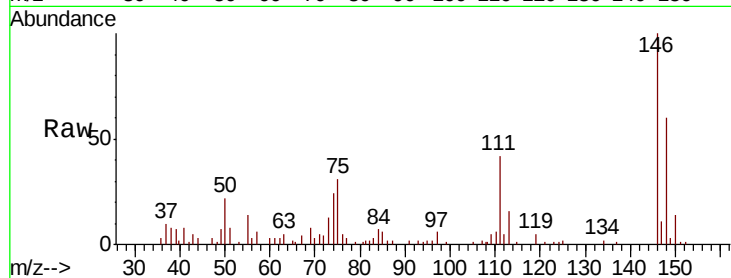
Tot Ion:146 Resp: 13179

Ion Ratio Lower Upper

146 100

111 41.6 28.5 52.9

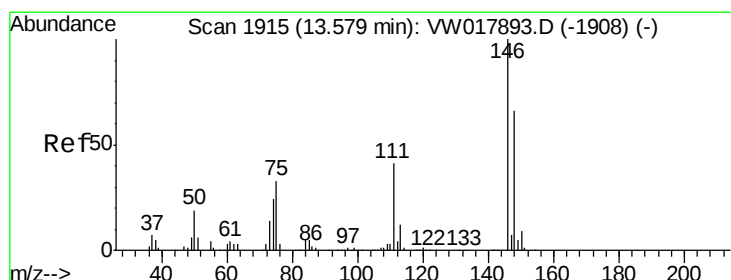
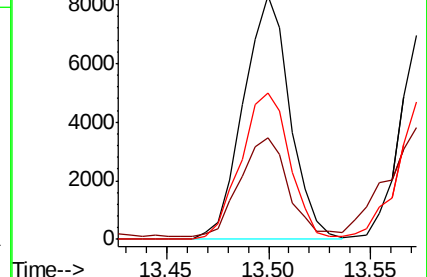
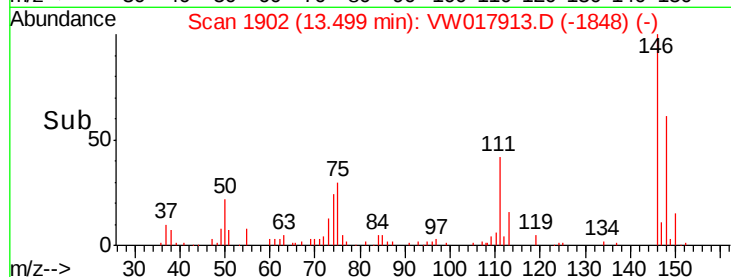
148 60.1 47.8 88.8



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: 1.703 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017913.D

Acq: 15 Jan 2021 21:17

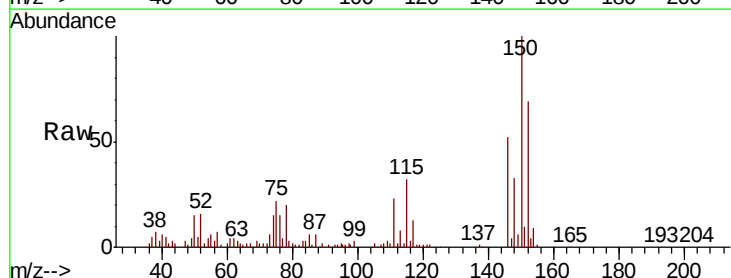
Tgt Ion:146 Resp: 13080

Ion Ratio Lower Upper

146 100

111 44.9 27.7 51.5

148 62.2 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

