

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017901.D
 Acq On : 15 Jan 2021 16:35
 Operator : SY/VA
 Sample : M1099-13
 Misc : 6.50G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C09

Quant Time: Jan 18 02:09:25 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	289571	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	251948	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	99743	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	115270	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.92%
7) Chloroethane-d5	2.89	69	97882	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.88%
10) 1,1-Dichloroethene-d2	4.02	63	147717	18.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.68%
20) 2-Butanone-d5	7.08	46	50906	70.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.20%#
24) Chloroform-d	7.65	84	203551	26.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	8.31	65	119681	30.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.24%
29) Benzene-d6	8.27	84	390584	27.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.08%
33) 1,2-Dichloropropane-d6	9.27	67	116937	29.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.56%
37) Toluene-d8	10.32	98	348994	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.40%
38) trans-1,3-Dichloropropene-	10.58	79	44814	25.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.80%
39) 2-Hexanone-d5	10.93	63	35316	71.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.78%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89906	30.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.84%#
61) 1,2-Dichlorobenzene-d4	13.85	152	91837	26.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.76%

Target Compounds

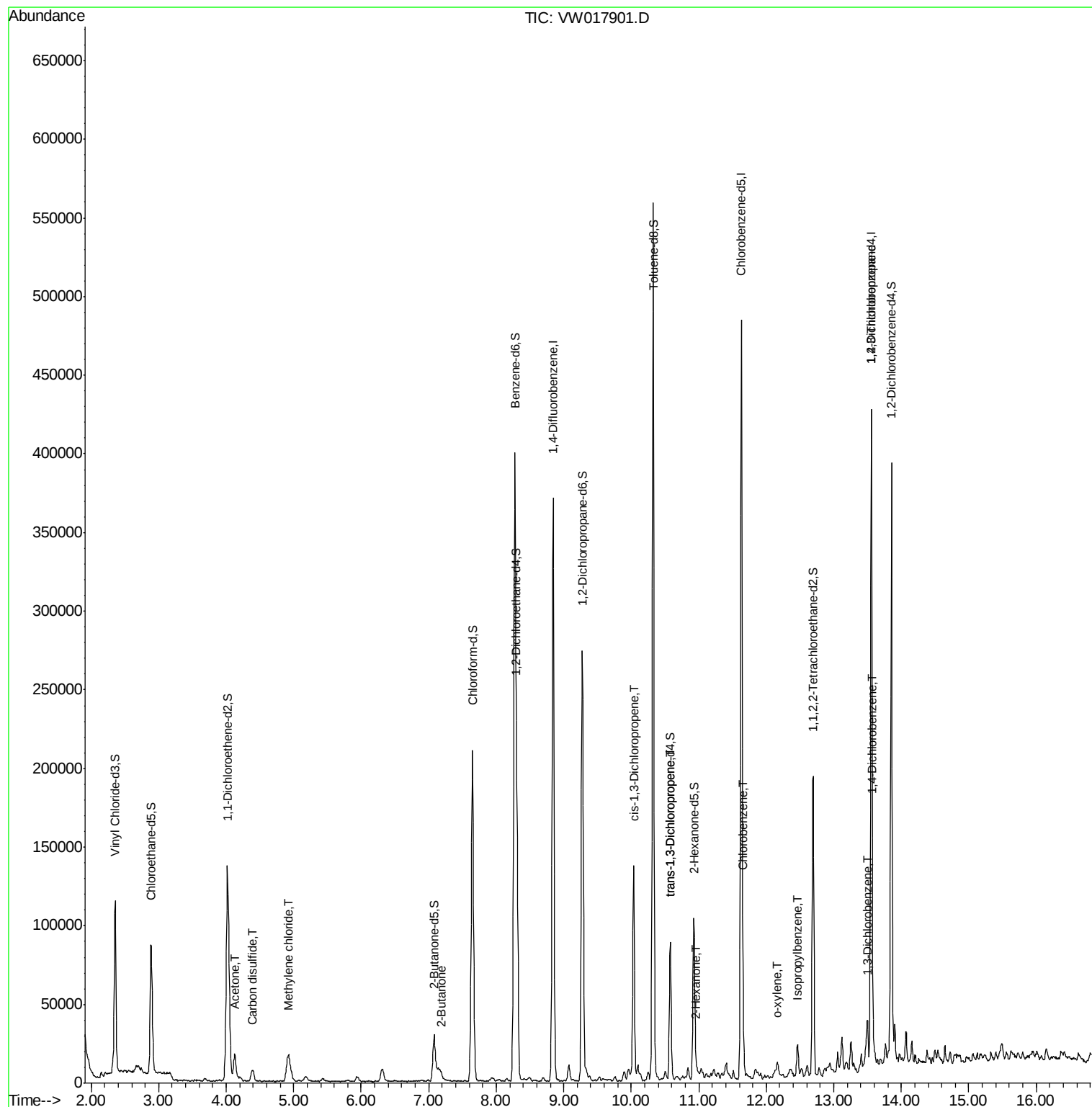
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	30514	48.662	ug/L	64
14) Carbon disulfide	4.39	76	16185	1.519	ug/L	100
16) Methylene chloride	4.92	84	13704	3.309	ug/L	97
21) 2-Butanone	7.18	43	8336	9.883	ug/L #	64
42) cis-1,3-Dichloropropene	10.04	75	4483	0.826	ug/L	94
45) trans-1,3-Dichloropropene	10.58	75	2605	0.564	ug/L	97
49) 2-Hexanone	10.97	43	695	0.593	ug/L #	64
52) Chlorobenzene	11.66	112	15818	1.543	ug/L #	85
55) o-xylene	12.16	106	1774	0.259	ug/L	73
57) Isopropylbenzene	12.46	105	11260	0.593	ug/L #	96
59) 1,2,3-Trichloropropane	13.55	75	16905	8.151	ug/L	93
63) 1,3-Dichlorobenzene	13.50	146	10260	1.667	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	5638	0.911	ug/L	93

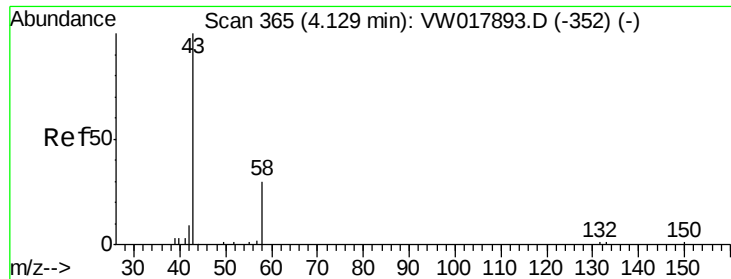
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 48.662 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017901.D

Acq: 15 Jan 2021 16:35

Instrument :

MSVOA_W

ClientSampleId :

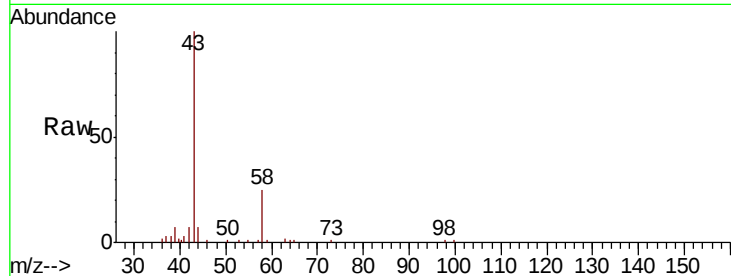
F1C09

Tot Ion: 43 Resp: 30514

Ion Ratio Lower Upper

43 100

58 13.4 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

12000

10000

8000

6000

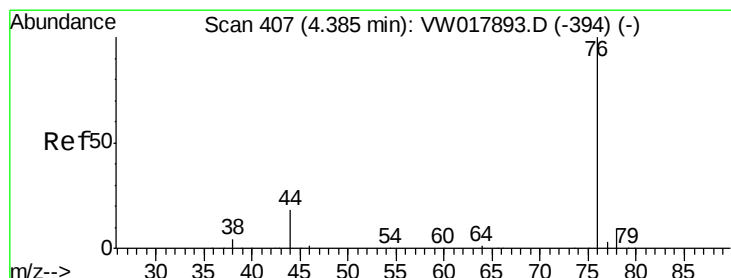
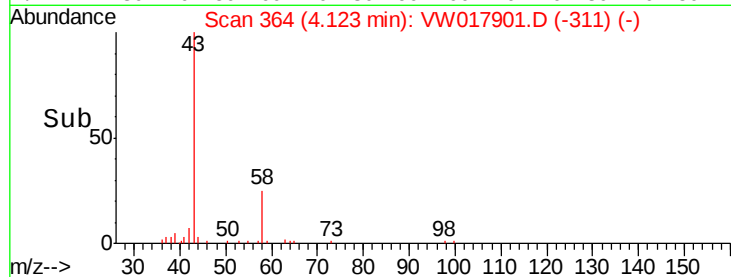
4000

2000

0

4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 1.519 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017901.D

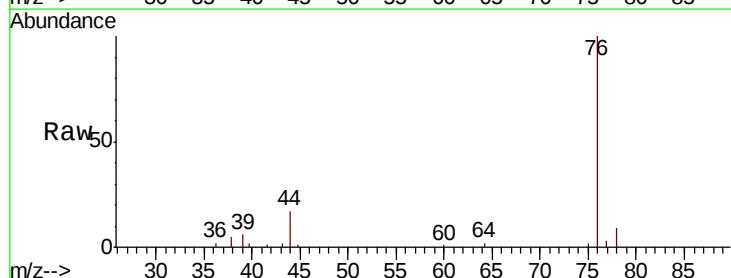
Acq: 15 Jan 2021 16:35

Tgt Ion: 76 Resp: 16185

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

6000

5000

4000

3000

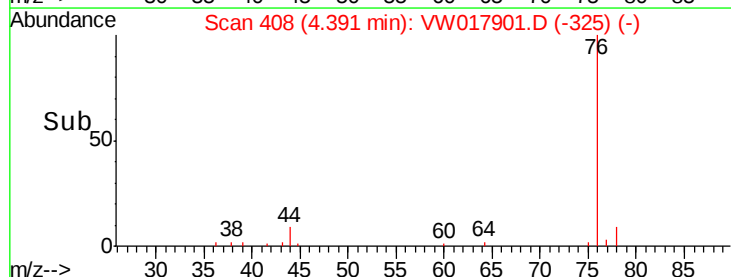
2000

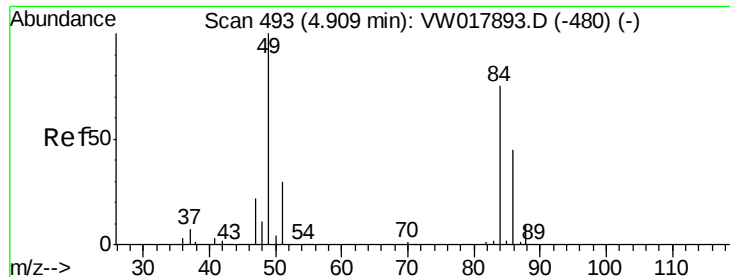
1000

0

4.30 4.35 4.40 4.45 4.50

Time-->

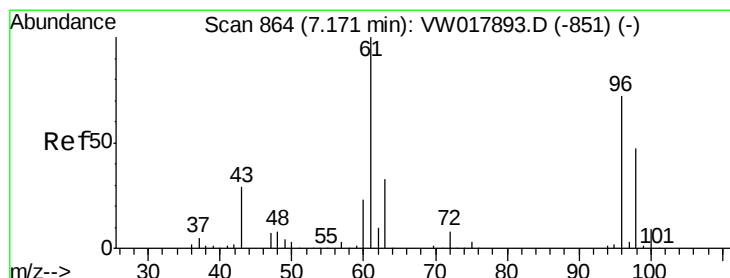
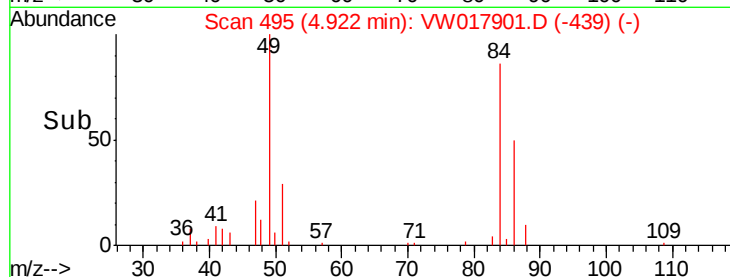
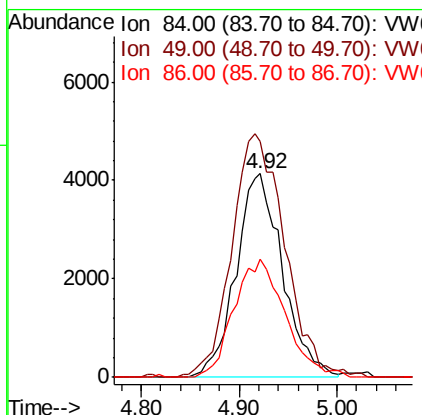
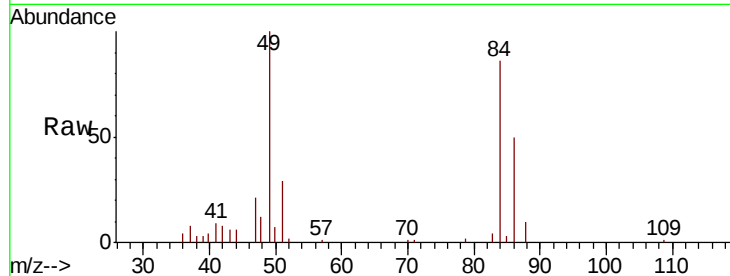




#16
Methylene chloride
Concen: 3.309 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017901.D
Acq: 15 Jan 2021 16:35

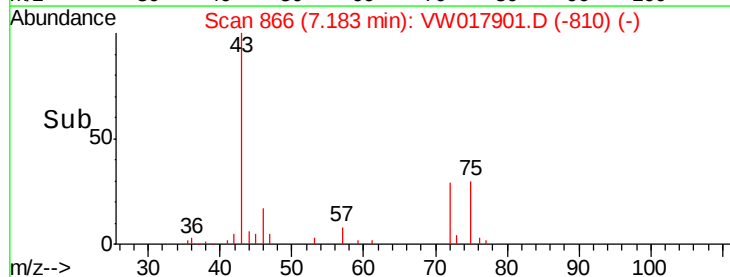
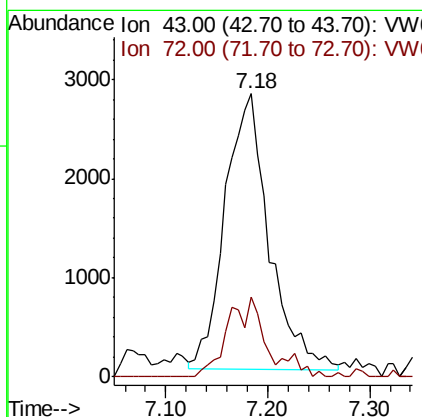
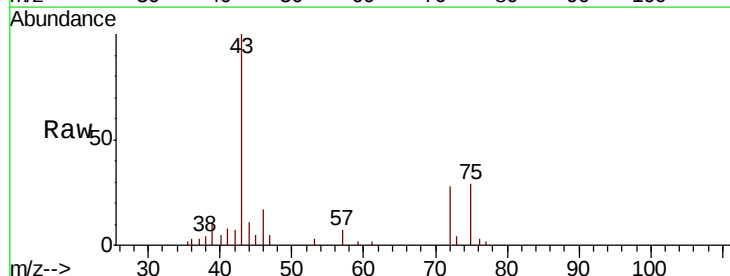
Instrument :
MSVOA_W
ClientSampled :
F1C09

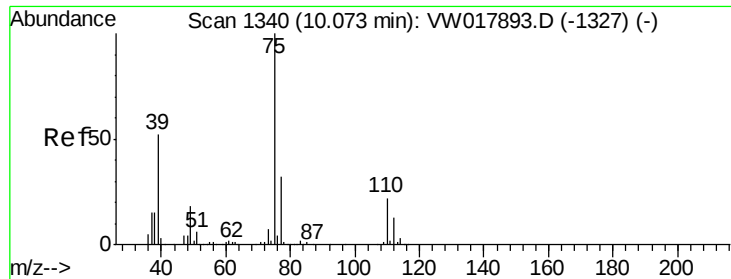
Tot Ion: 84 Resp: 13704
Ion Ratio Lower Upper
84 100
49 116.3 81.2 150.8
86 58.0 44.5 82.7



#21
2-Butanone
Concen: 9.883 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017901.D
Acq: 15 Jan 2021 16:35

Tgt Ion: 43 Resp: 8336
Ion Ratio Lower Upper
43 100
72 9.6 14.4 43.2#





#42

cis-1,3-Dichloropropene

Concen: 0.826 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017901.D

Acq: 15 Jan 2021 16:35

Instrument :

MSVOA_W

ClientSampleId :

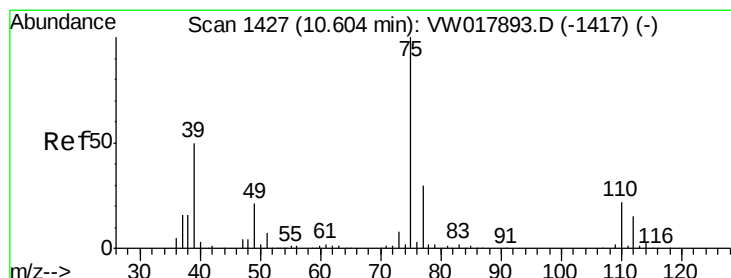
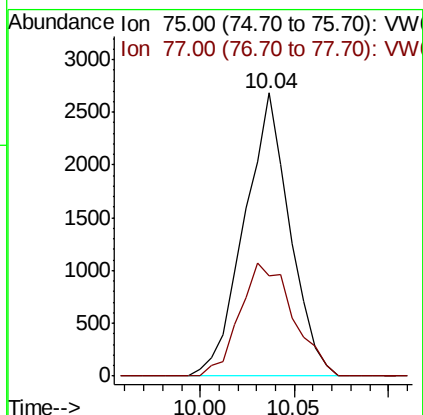
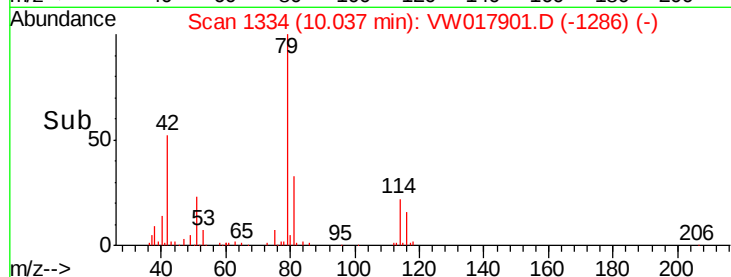
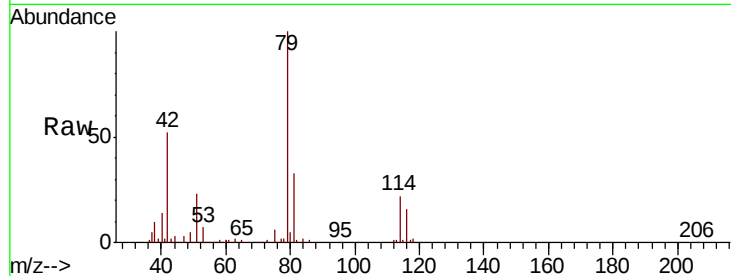
F1C09

Tot Ion: 75 Resp: 4483

Ion Ratio Lower Upper

75 100

77 35.6 22.7 42.3



#45

trans-1,3-Dichloropropene

Concen: 0.564 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017901.D

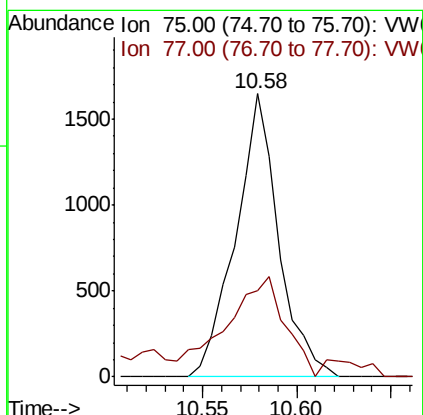
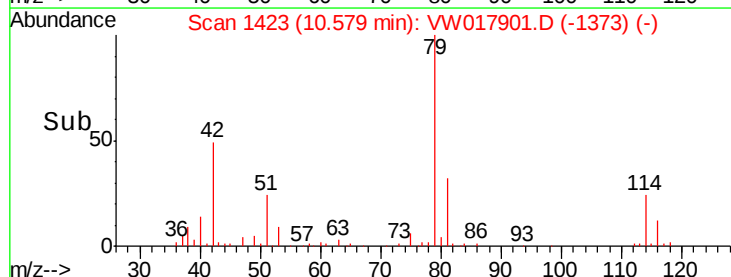
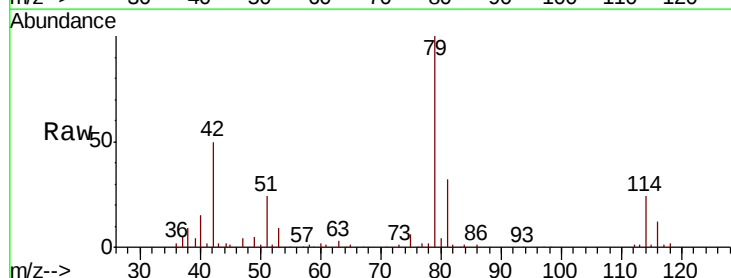
Acq: 15 Jan 2021 16:35

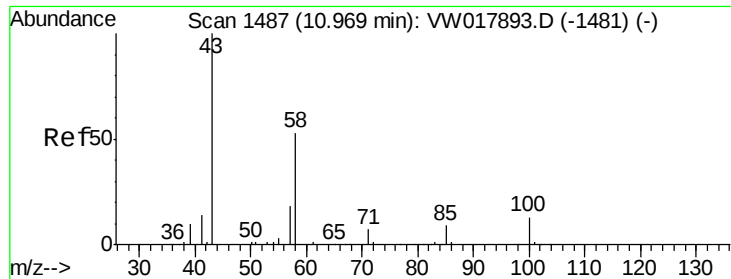
Tgt Ion: 75 Resp: 2605

Ion Ratio Lower Upper

75 100

77 30.5 22.6 42.0

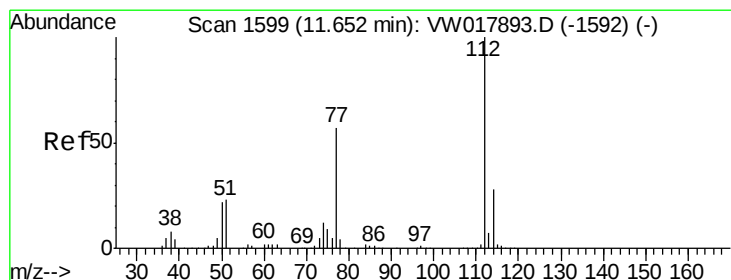
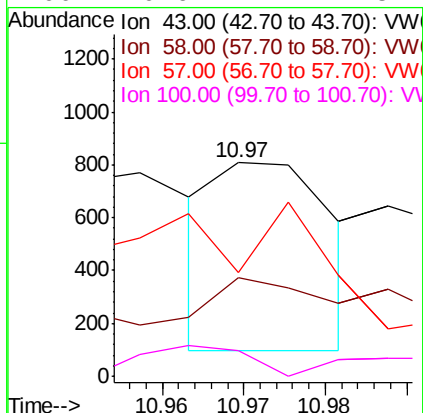
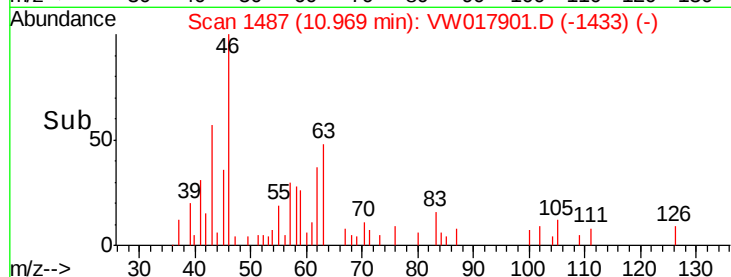
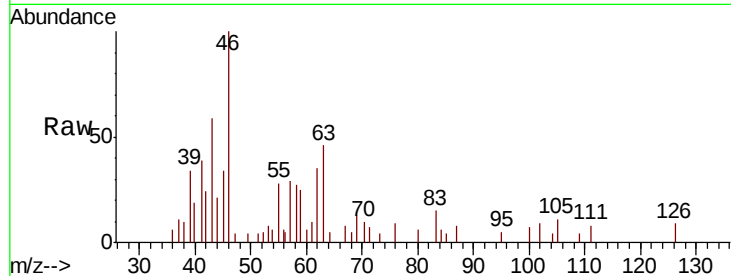




#49
2-Hexanone
Concen: 0.593 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017901.D
Acq: 15 Jan 2021 16:35

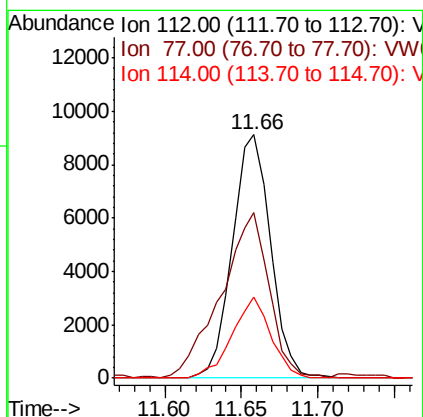
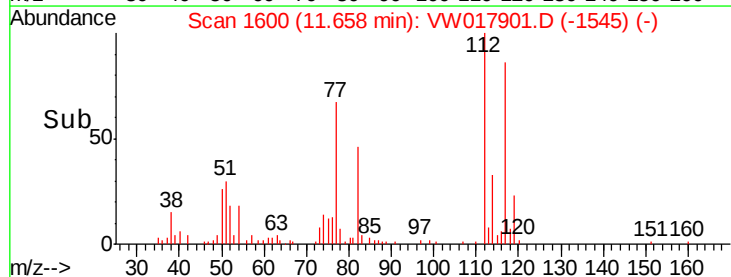
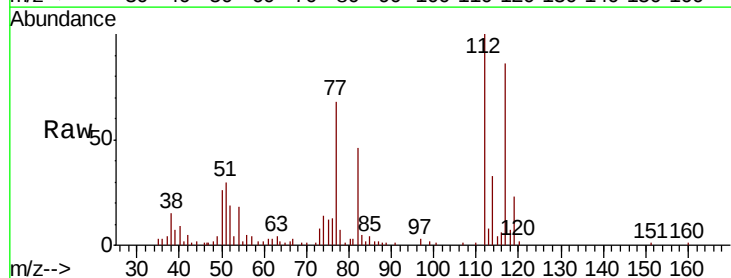
Instrument :
MSVOA_W
ClientSampled :
F1C09

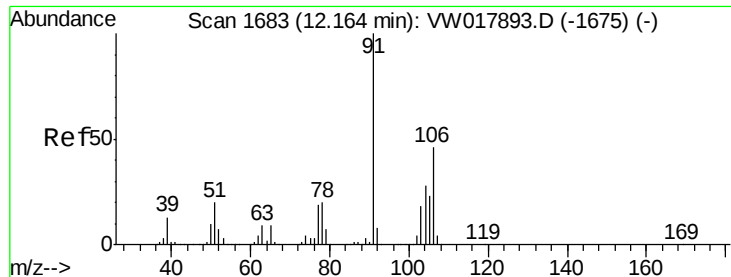
Tot Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 43.6 51.3 76.9#
57 58.1 15.0 22.6#
100 10.6 12.2 18.2#



#52
Chlorobenzene
Concen: 1.543 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017901.D
Acq: 15 Jan 2021 16:35

Tgt Ion: 112 Resp: 15818
Ion Ratio Lower Upper
112 100
77 67.8 42.6 64.0#
114 33.4 21.6 40.2





#55

o-xylene

Concen: 0.259 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017901.D

Acq: 15 Jan 2021 16:35

Instrument :

MSVOA_W

ClientSampled :

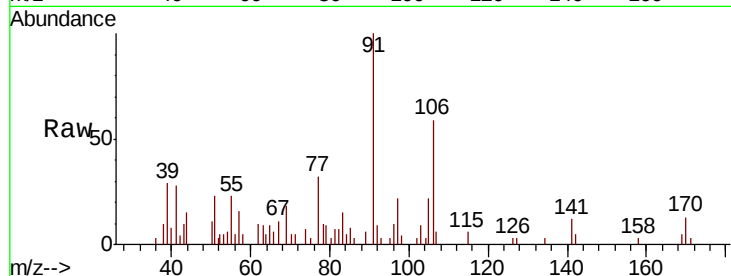
F1C09

Tot Ion:106 Resp: 1774

Ion Ratio Lower Upper

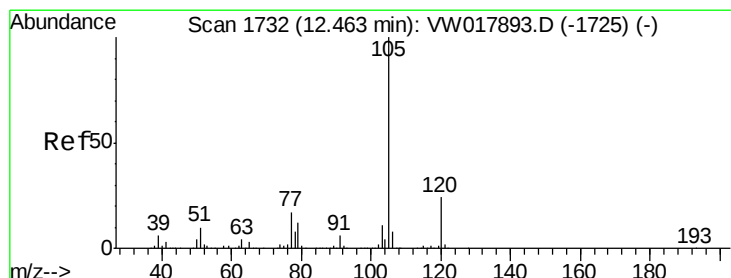
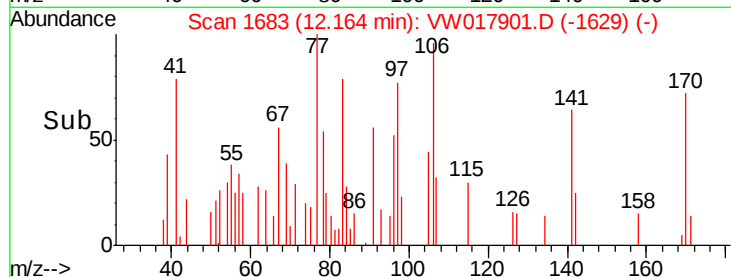
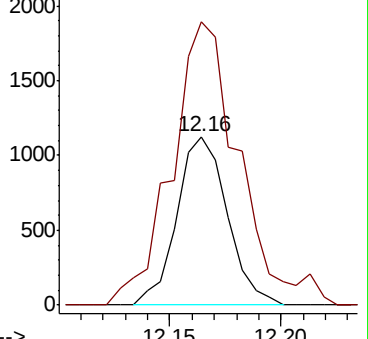
106 100

91 168.3 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#57

Isopropylbenzene

Concen: 0.593 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017901.D

Acq: 15 Jan 2021 16:35

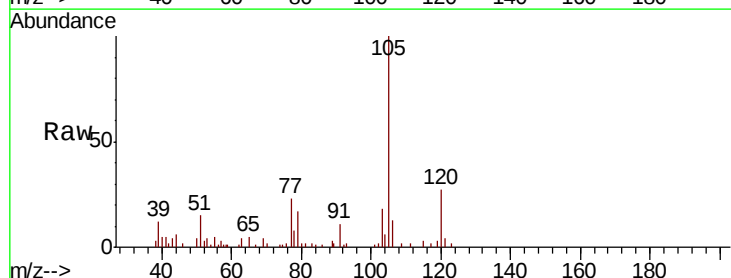
Tgt Ion:105 Resp: 11260

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

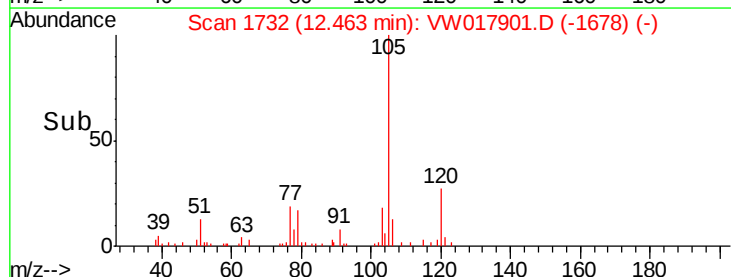
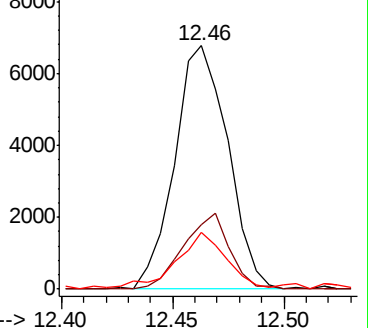
77 18.9 12.1 18.1#

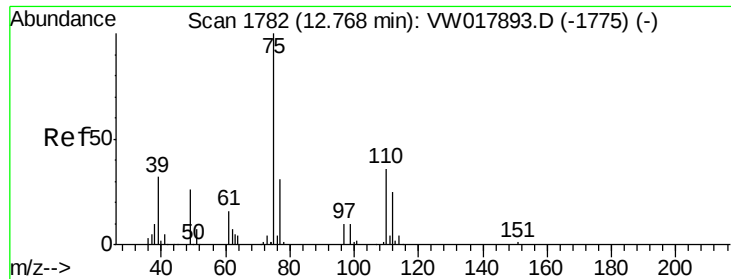


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 8.151 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017901.D

Acq: 15 Jan 2021 16:35

Instrument :

MSVOA_W

ClientSampleId :

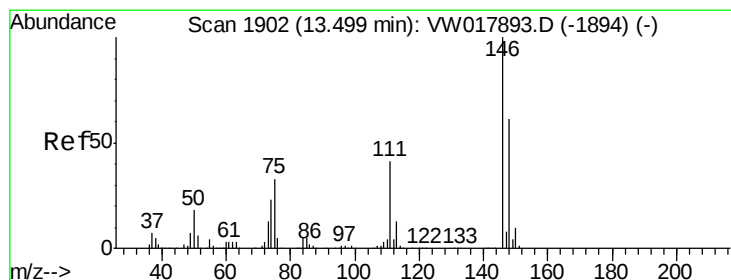
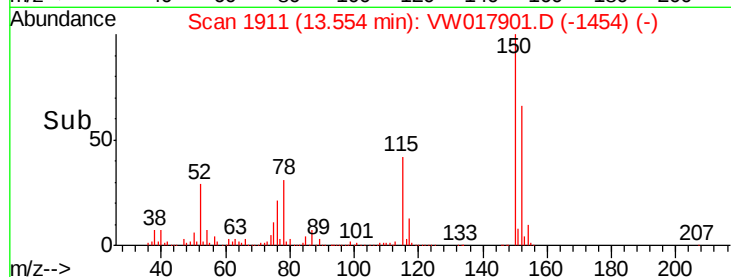
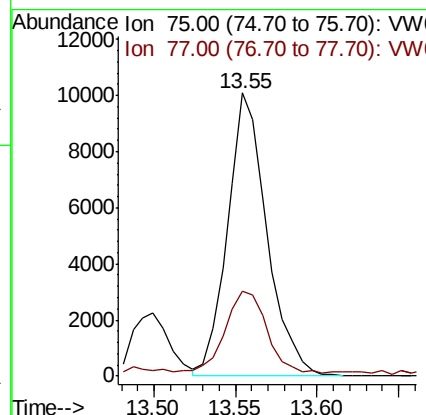
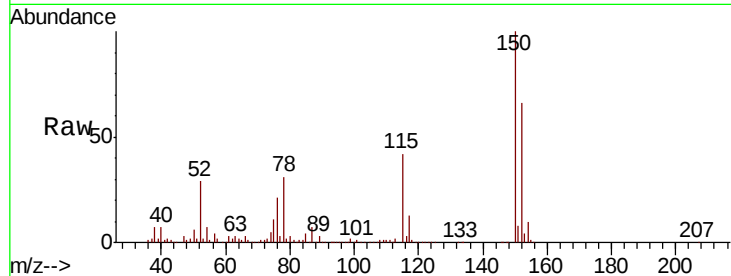
F1C09

Tot Ion: 75 Resp: 16905

Ion Ratio Lower Upper

75 100

77 29.1 26.6 39.8



#63

1,3-Dichlorobenzene

Concen: 1.667 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017901.D

Acq: 15 Jan 2021 16:35

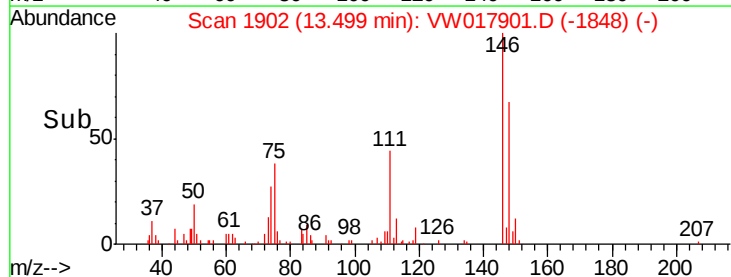
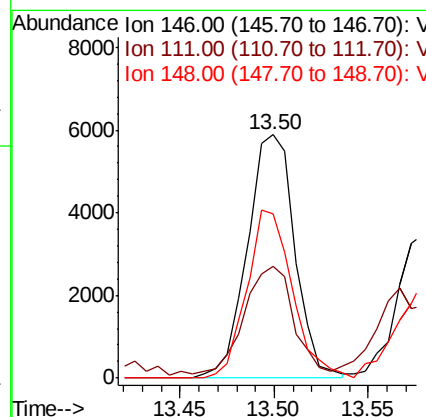
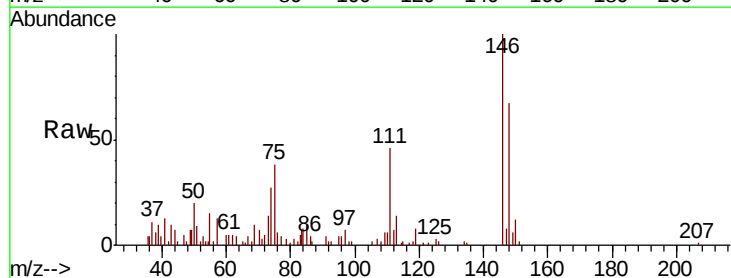
Tgt Ion: 146 Resp: 10260

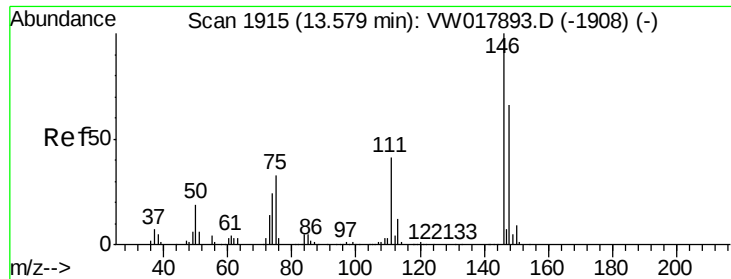
Ion Ratio Lower Upper

146 100

111 46.1 28.5 52.9

148 67.4 47.8 88.8

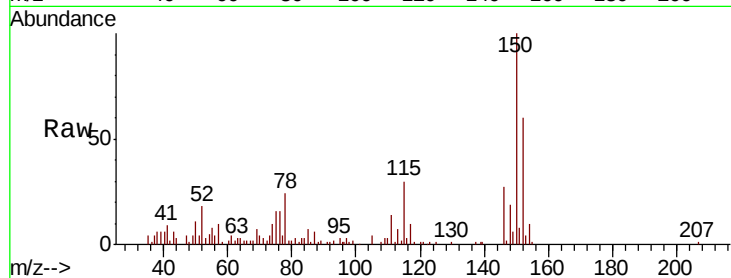




#64
 1,4-Dichlorobenzene
 Concen: 0.911 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017901.D
 Acq: 15 Jan 2021 16:35

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C09

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	27.7	51.5
148	67.6	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

