

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017905.D
 Acq On : 15 Jan 2021 18:09
 Operator : SY/VA
 Sample : M1099-16
 Misc : 5.20G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C12

Quant Time: Jan 18 02:10:00 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	275760	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	227294	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	77390	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	96444	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	2.89	69	81491	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
10) 1,1-Dichloroethene-d2	4.02	63	125642	16.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.60%
20) 2-Butanone-d5	7.07	46	51383	74.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.60%#
24) Chloroform-d	7.65	84	175175	24.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	8.31	65	109367	29.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.28%
29) Benzene-d6	8.27	84	329403	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
33) 1,2-Dichloropropane-d6	9.27	67	103093	29.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.84%
37) Toluene-d8	10.32	98	284647	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.60%
38) trans-1,3-Dichloropropene-	10.58	79	37977	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
39) 2-Hexanone-d5	10.93	63	35758	80.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	161.36%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82966	31.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	63723	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	32333	54.145	ug/L	84
14) Carbon disulfide	4.39	76	14682	1.447	ug/L	97
16) Methylene chloride	4.91	84	8938	2.267	ug/L	93
21) 2-Butanone	7.18	43	8011	9.973	ug/L	77
34) Benzene	8.32	78	7053	0.543	ug/L	100
36) Methylcyclohexane	9.34	83	1557	0.248	ug/L #	82
40) 1,2-Dichloropropane	9.27	63	12963	4.225	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	3856	0.788	ug/L	85
44) Toluene	10.38	91	7177	0.484	ug/L	82
45) trans-1,3-Dichloropropene	10.57	75	2242	0.538	ug/L	88
49) 2-Hexanone	10.98	43	506	0.478	ug/L #	14
52) Chlorobenzene	11.66	112	256058	27.679	ug/L	91
54) m,p-Xylene	11.84	106	5770	0.877	ug/L	96
55) o-xylene	12.16	106	2309	0.373	ug/L	90
57) Isopropylbenzene	12.46	105	47378	2.766	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	16153	3.382	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	60509	12.606	ug/L	97

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

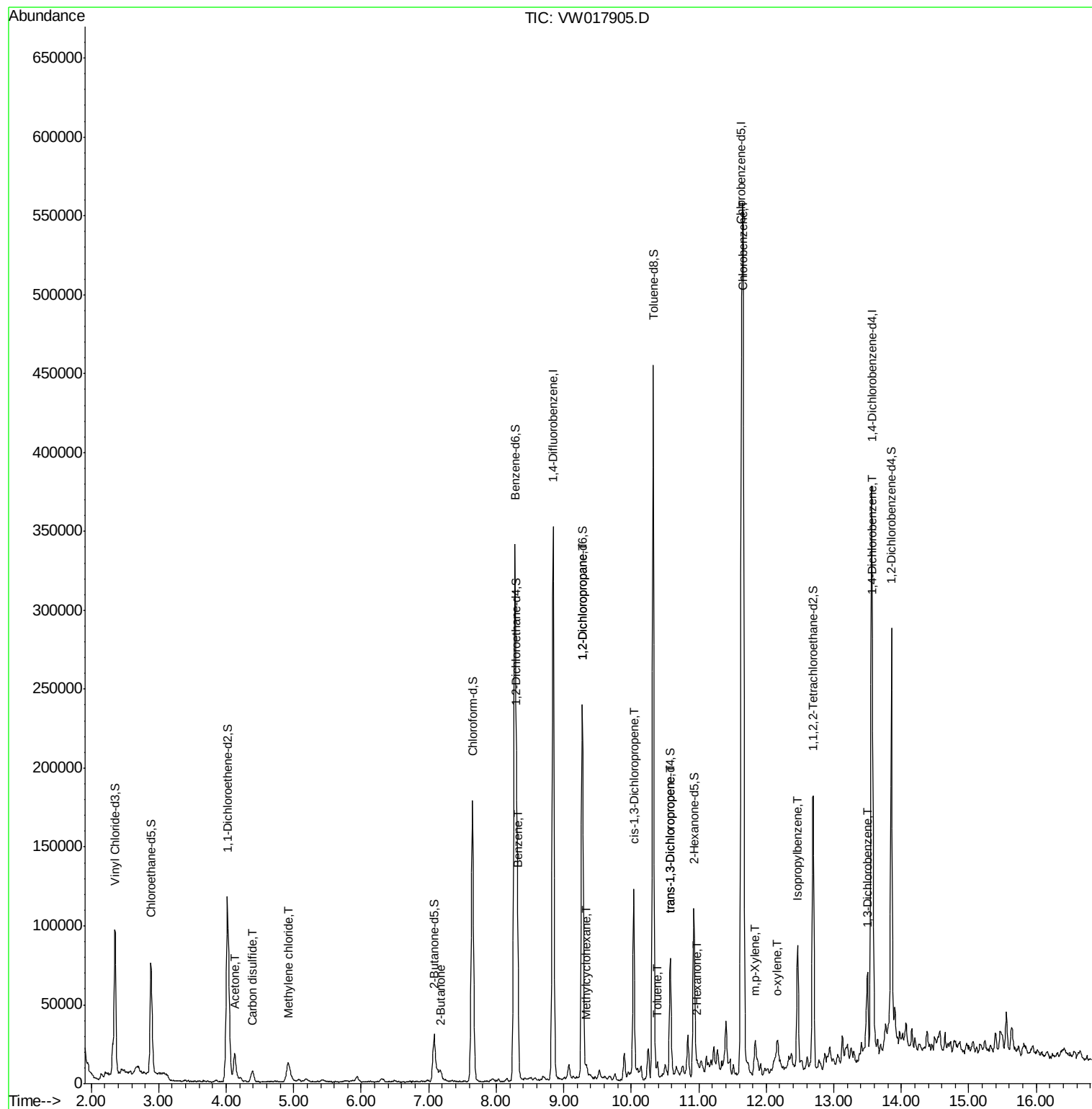
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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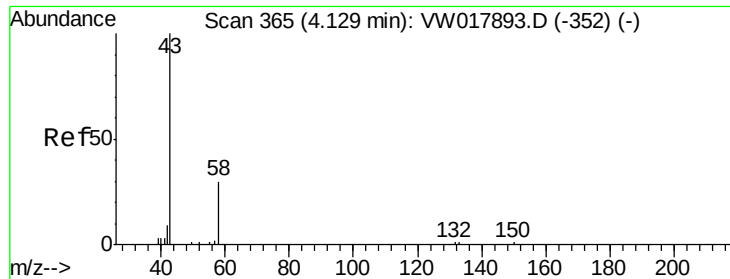
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011521\
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Response via : Initial Calibration





#13

Acetone

Concen: 54.145 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

Instrument :

MSVOA_W

ClientSampleId :

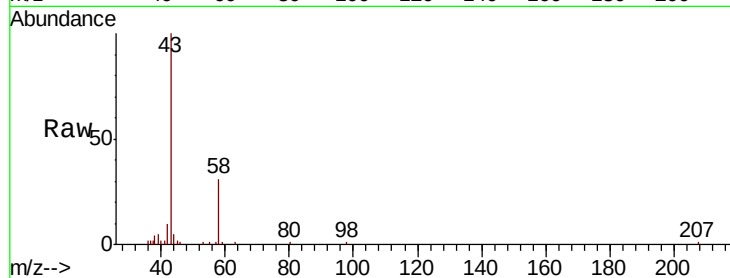
F1C12

Tot Ion: 43 Resp: 32333

Ion Ratio Lower Upper

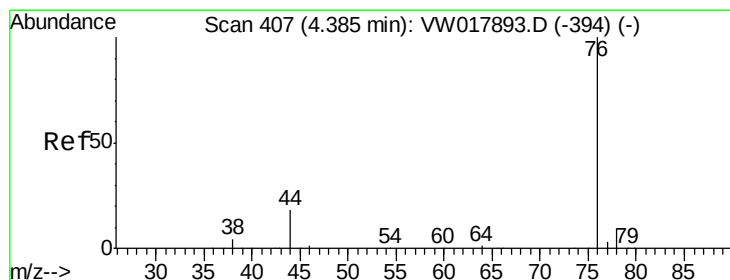
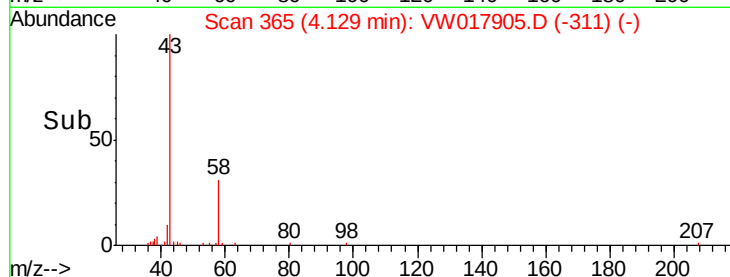
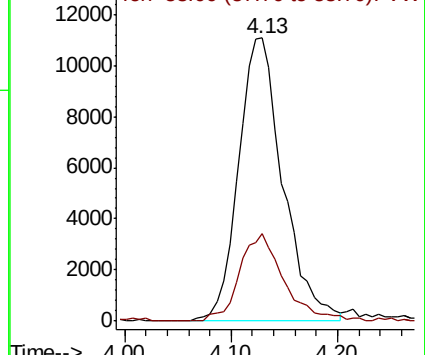
43 100

58 24.9 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.447 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017905.D

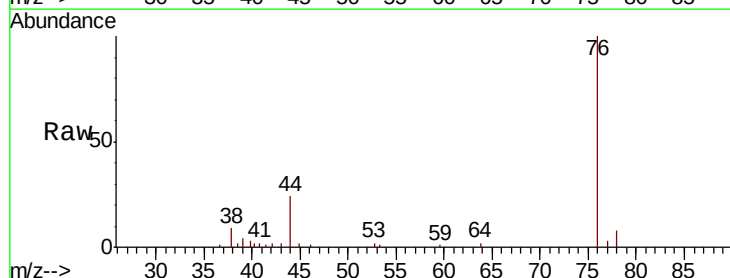
Acq: 15 Jan 2021 18:09

Tgt Ion: 76 Resp: 14682

Ion Ratio Lower Upper

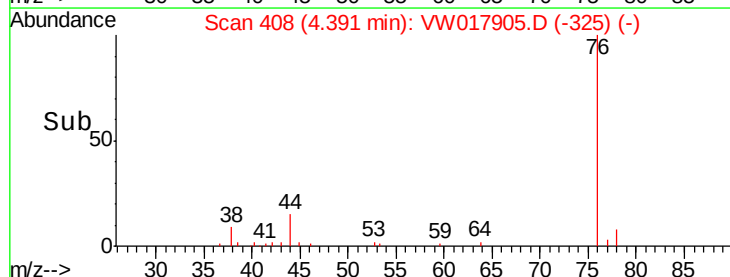
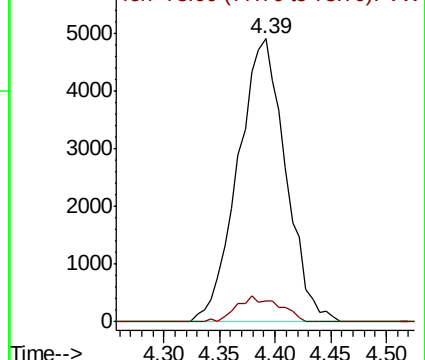
76 100

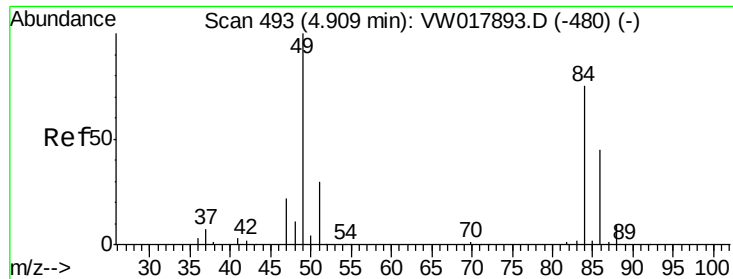
78 7.5 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

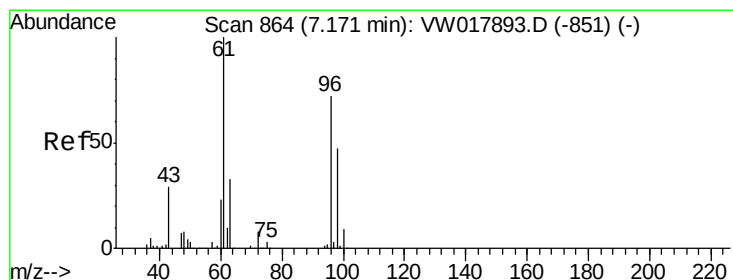
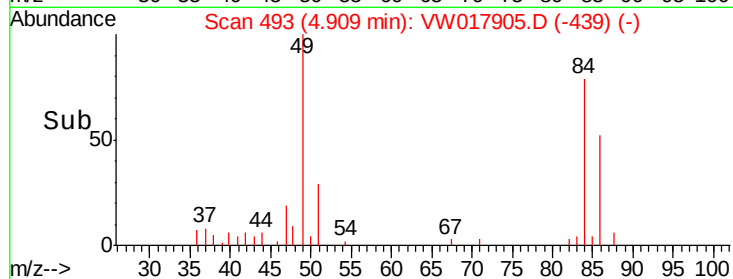
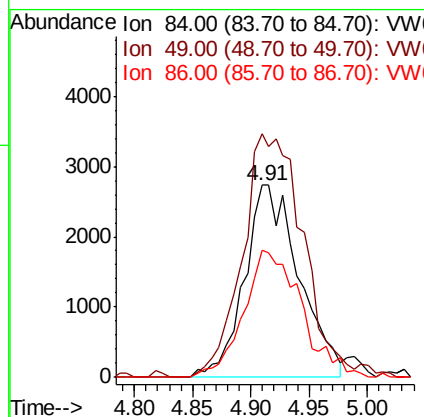
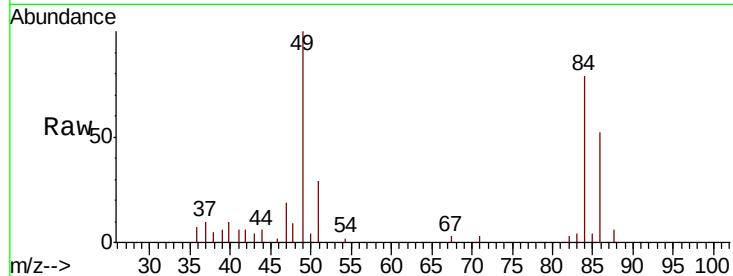




#16
Methylene chloride
Concen: 2.267 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW017905.D
Acq: 15 Jan 2021 18:09

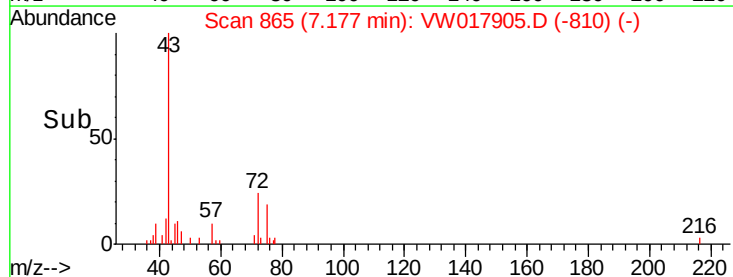
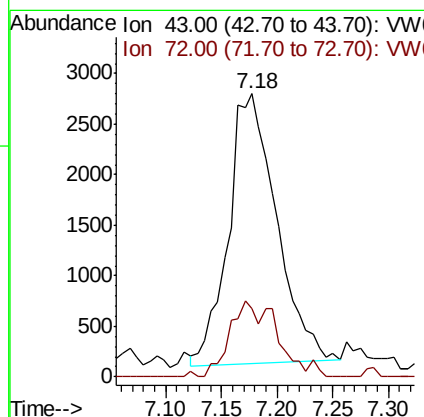
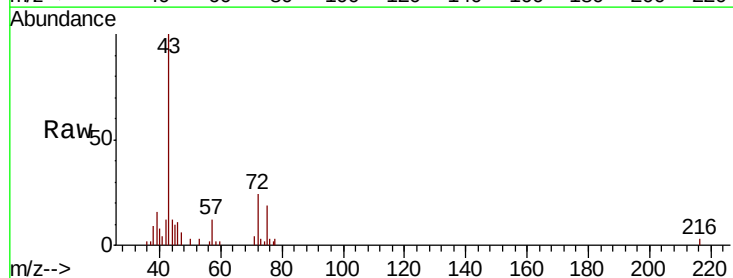
Instrument :
MSVOA_W
ClientSampled :
F1C12

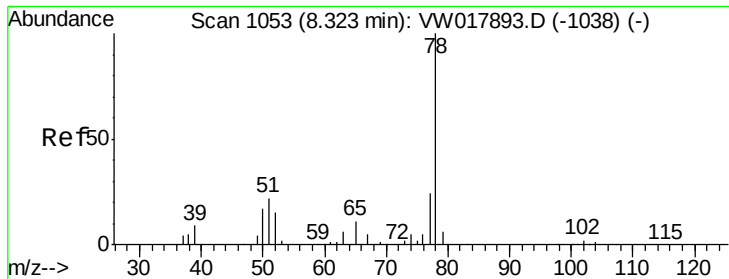
Tot Ion: 84 Resp: 8938
Ion Ratio Lower Upper
84 100
49 126.7 81.2 150.8
86 66.1 44.5 82.7



#21
2-Butanone
Concen: 9.973 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017905.D
Acq: 15 Jan 2021 18:09

Tgt Ion: 43 Resp: 8011
Ion Ratio Lower Upper
43 100
72 16.5 14.4 43.2





#34

Benzene

Concen: 0.543 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

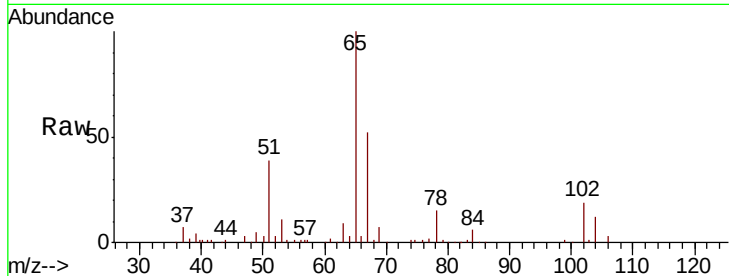
Instrument :

MSVOA_W

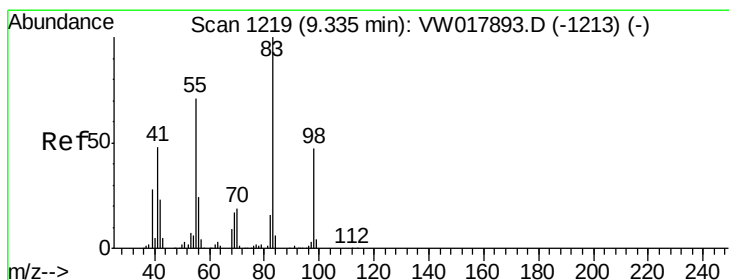
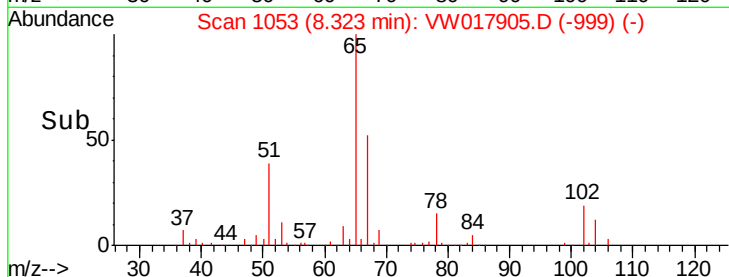
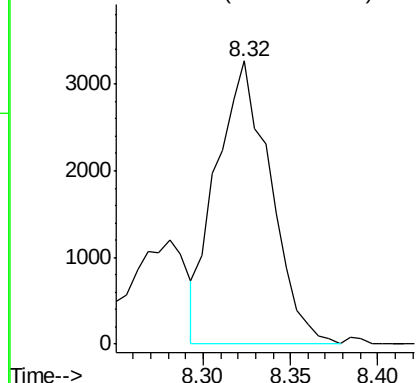
ClientSampled :

F1C12

Tgt Ion: 78 Resp: 7053



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 0.248 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

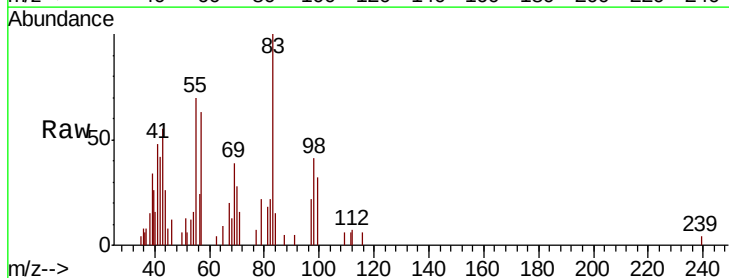
Tgt Ion: 83 Resp: 1557

Ion Ratio Lower Upper

83 100

55 78.0 59.4 89.0

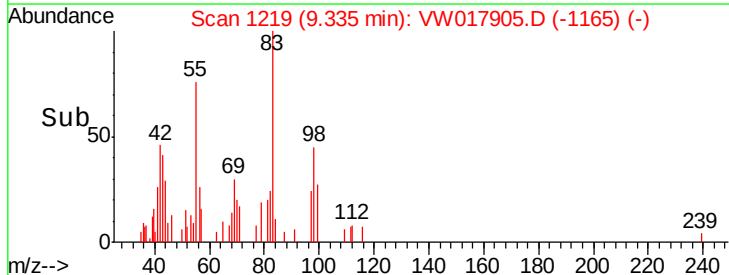
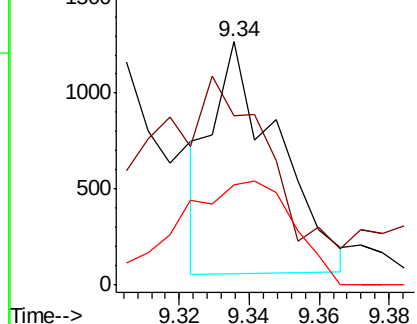
98 77.1 40.7 61.1#

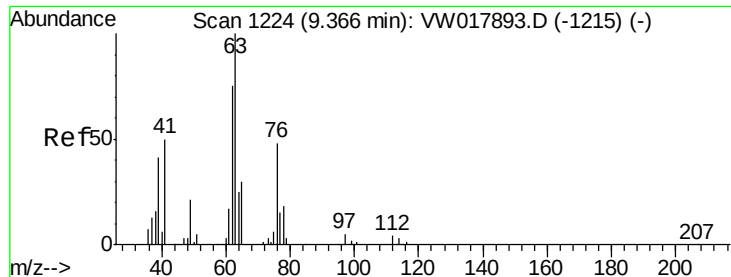


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 4.225 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

Instrument :

MSVOA_W

ClientSampled :

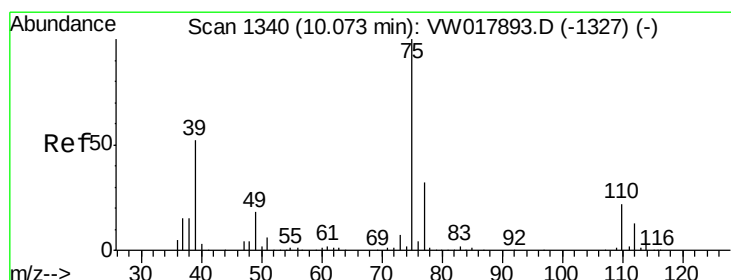
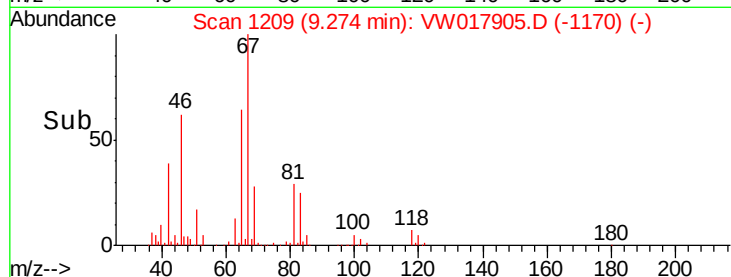
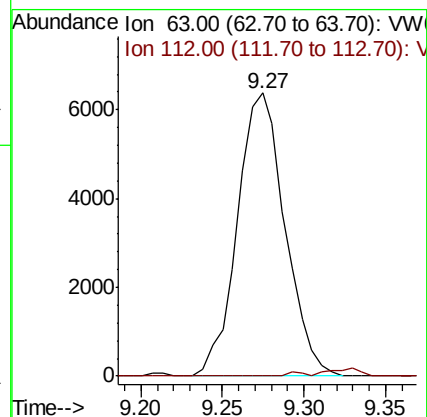
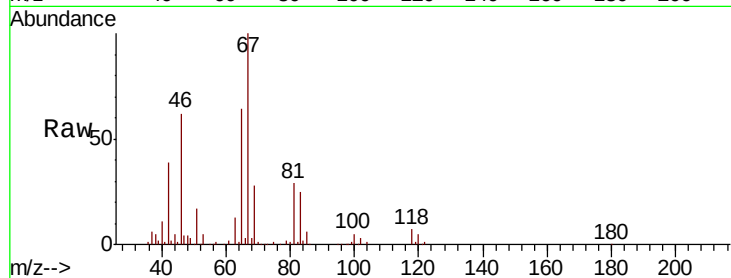
F1C12

Tot Ion: 63 Resp: 12963

Ion Ratio Lower Upper

63 100

112 0.4 4.2 6.4#



#42

cis-1,3-Dichloropropene

Concen: 0.788 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017905.D

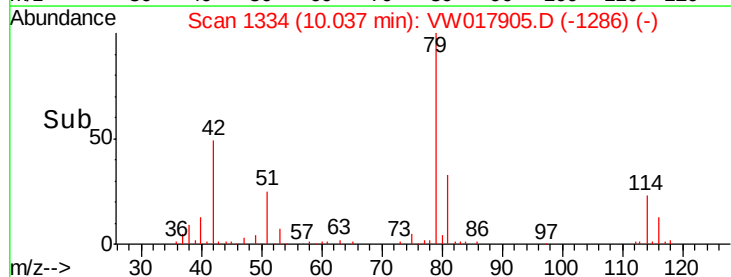
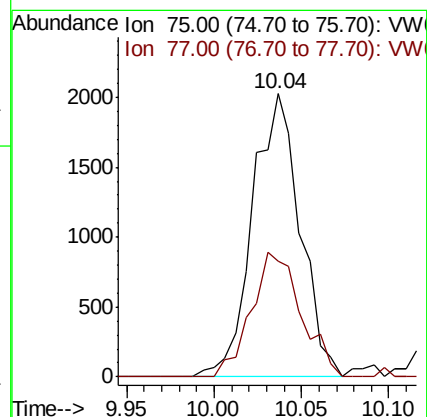
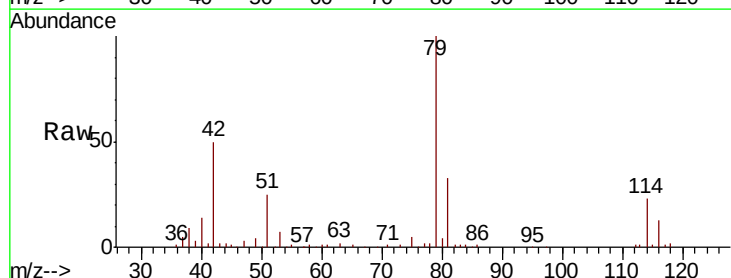
Acq: 15 Jan 2021 18:09

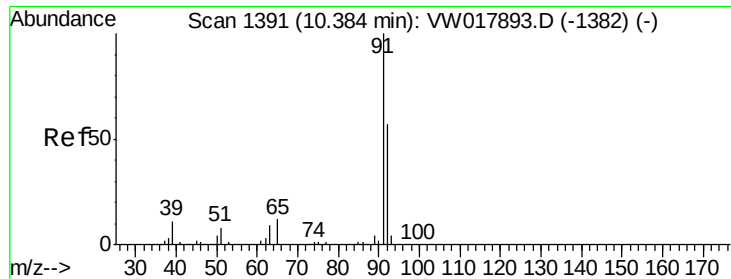
Tgt Ion: 75 Resp: 3856

Ion Ratio Lower Upper

75 100

77 40.9 22.7 42.3





#44

Toluene

Concen: 0.484 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

Instrument :

MSVOA_W

ClientSampled :

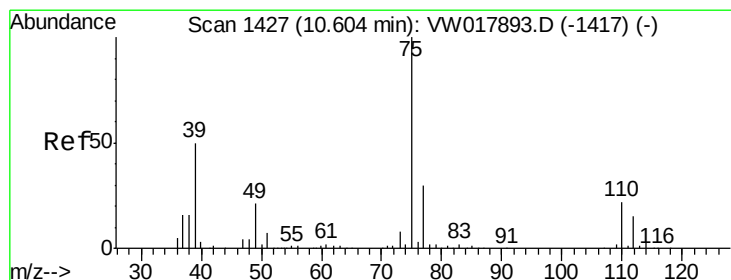
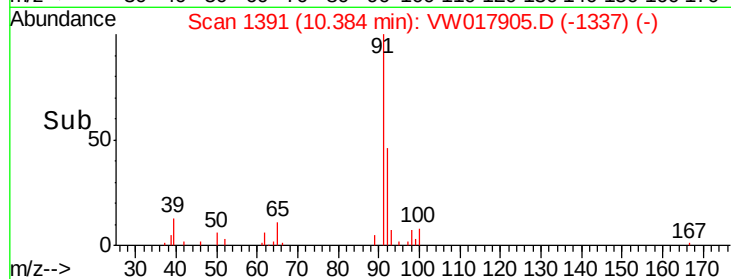
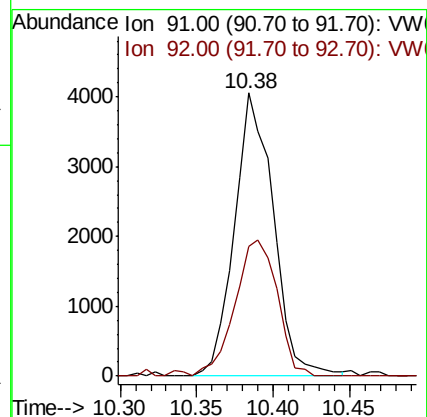
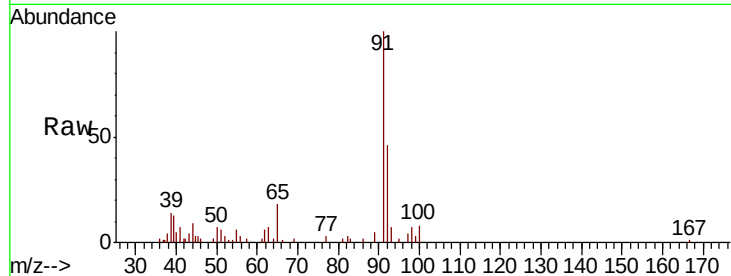
F1C12

Tot Ion: 91 Resp: 7177

Ion Ratio Lower Upper

91 100

92 45.7 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 0.538 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017905.D

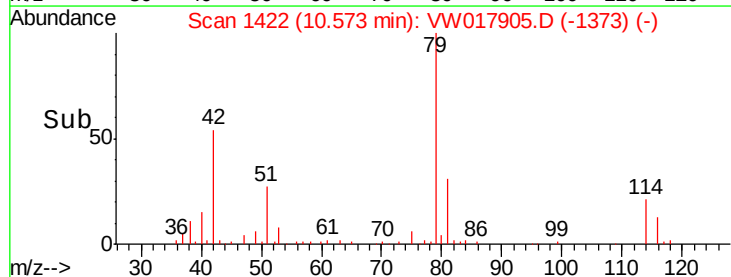
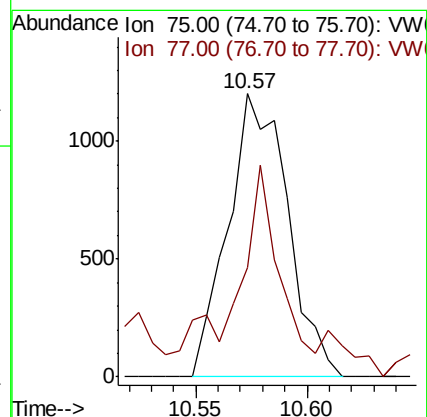
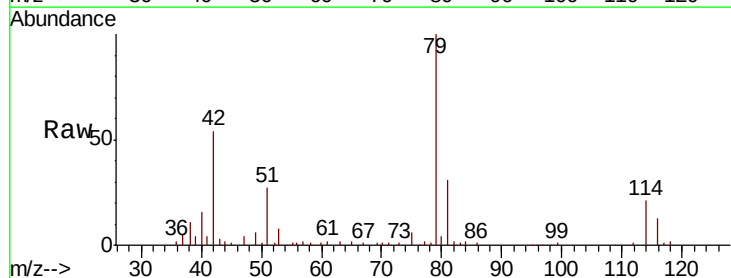
Acq: 15 Jan 2021 18:09

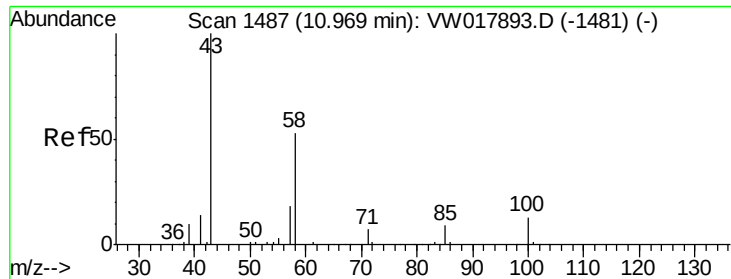
Tgt Ion: 75 Resp: 2242

Ion Ratio Lower Upper

75 100

77 38.8 22.6 42.0

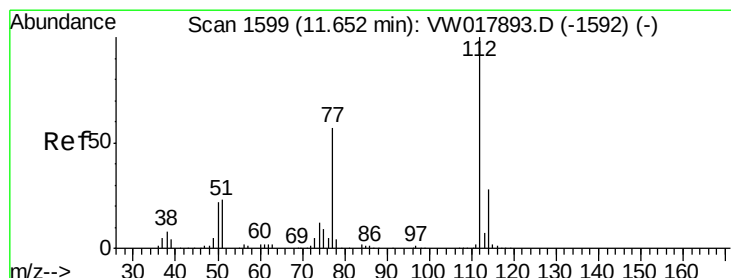
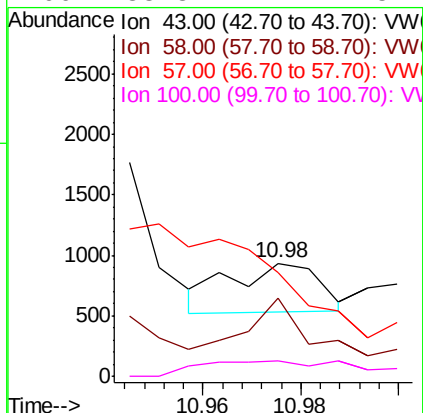
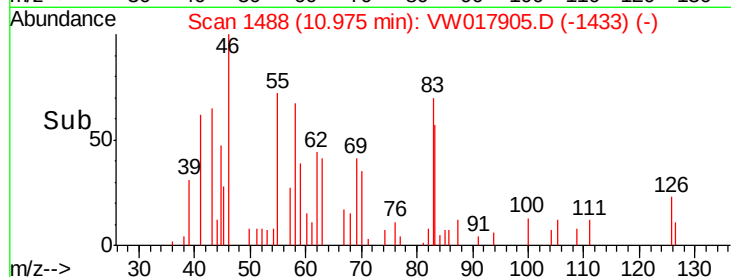
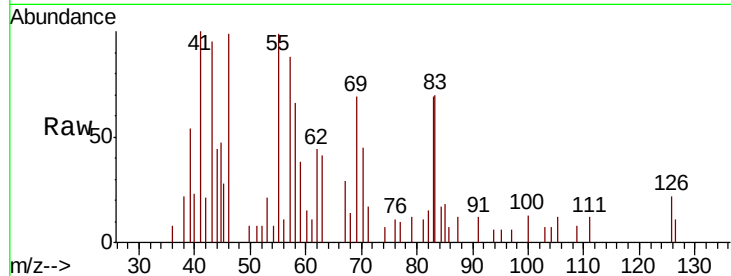




#49
2-Hexanone
Concen: 0.478 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW017905.D
Acq: 15 Jan 2021 18:09

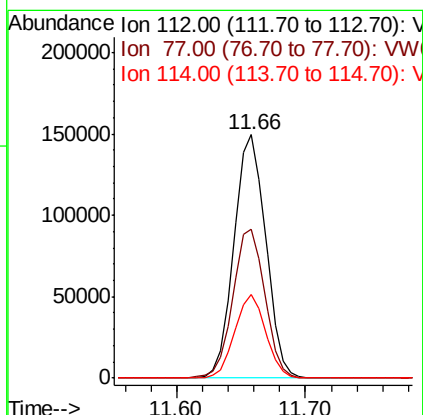
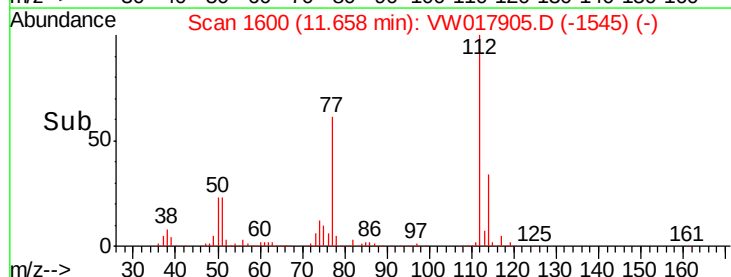
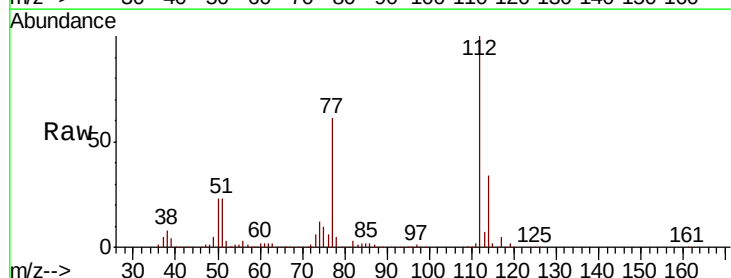
Instrument :
MSVOA_W
ClientSampleId :
F1C12

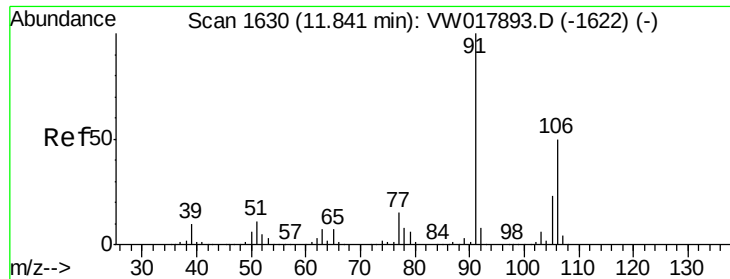
Tot Ion: 43 Resp: 506
Ion Ratio Lower Upper
43 100
58 147.8 51.3 76.9#
57 0.0 15.0 22.6#
100 38.3 12.2 18.2#



#52
Chlorobenzene
Concen: 27.679 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017905.D
Acq: 15 Jan 2021 18:09

Tgt Ion: 112 Resp: 256058
Ion Ratio Lower Upper
112 100
77 61.3 42.6 64.0
114 34.2 21.6 40.2





#54

m,p-Xylene

Concen: 0.877 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

Instrument :

MSVOA_W

ClientSampled :

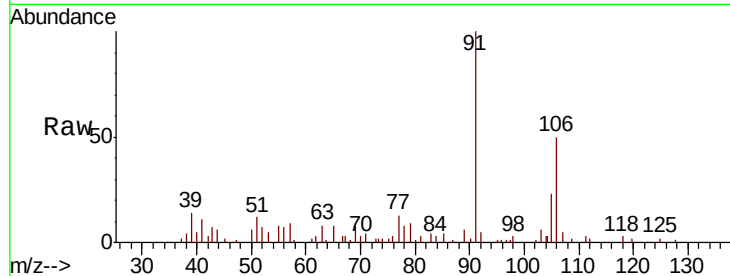
F1C12

Tot Ion:106 Resp: 5770

Ion Ratio Lower Upper

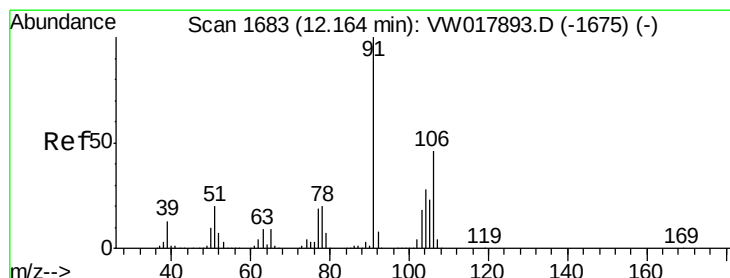
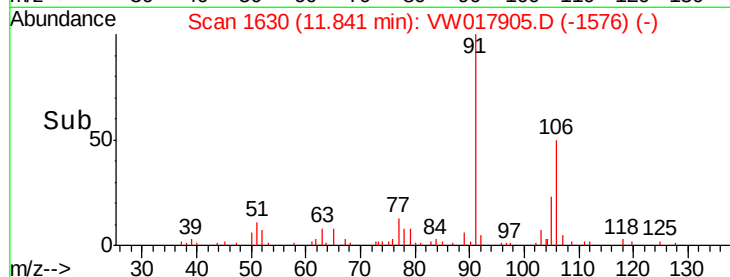
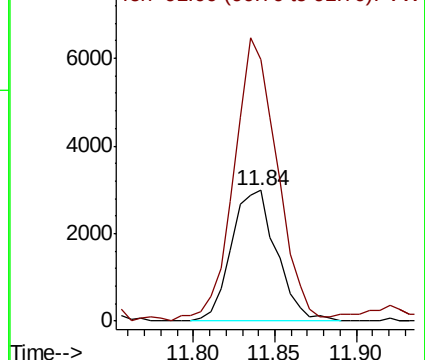
106 100

91 200.4 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.373 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017905.D

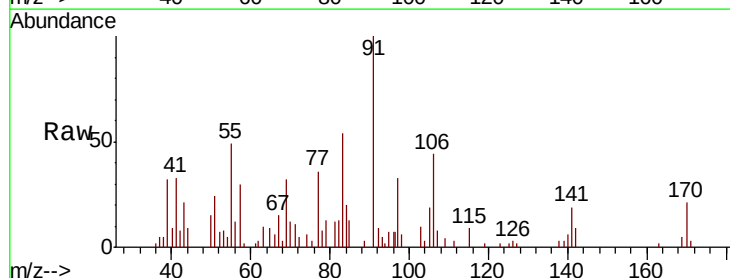
Acq: 15 Jan 2021 18:09

Tgt Ion:106 Resp: 2309

Ion Ratio Lower Upper

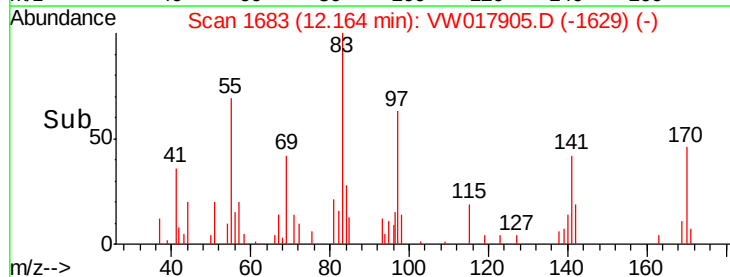
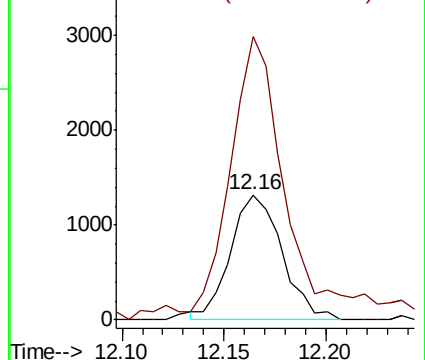
106 100

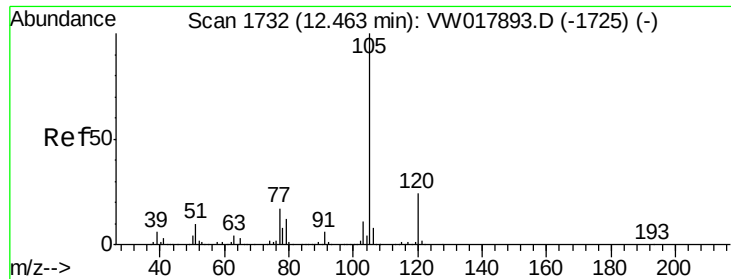
91 227.0 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 2.766 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

Instrument :

MSVOA_W

ClientSampleId :

F1C12

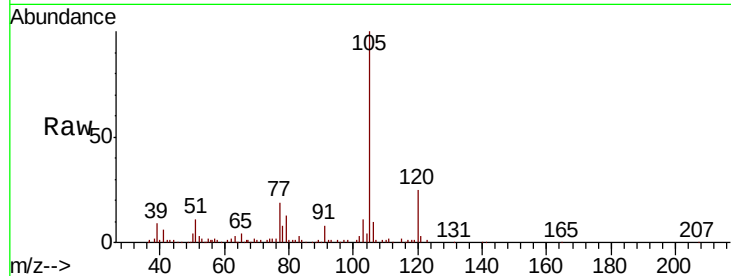
Tot Ion:105 Resp: 47378

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

77 17.9 12.1 18.1

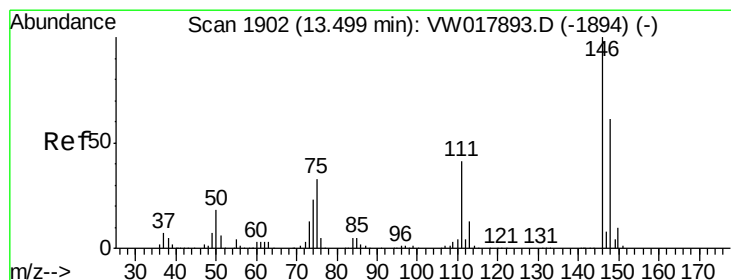
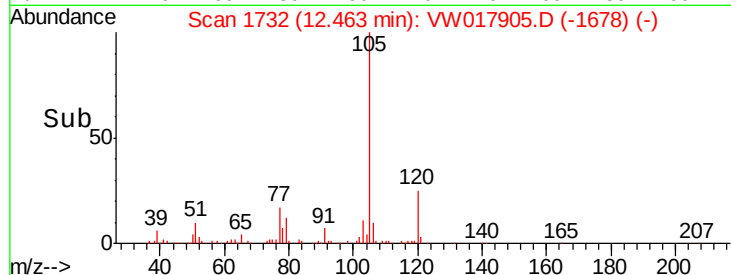
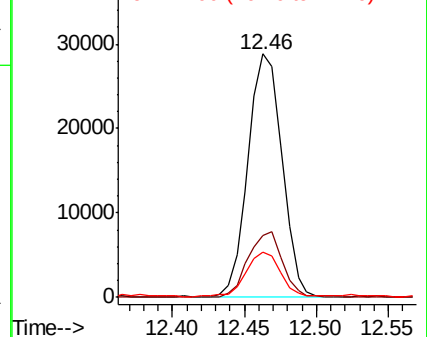


Abundance

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): V



#63

1,3-Dichlorobenzene

Concen: 3.382 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017905.D

Acq: 15 Jan 2021 18:09

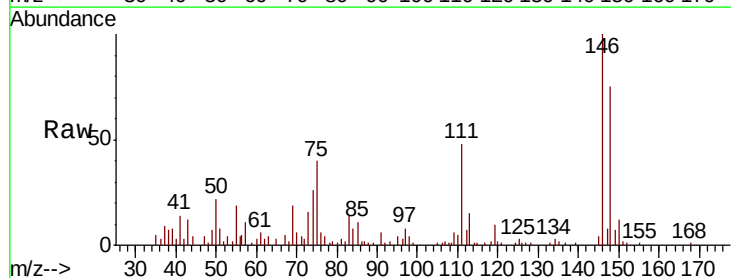
Tgt Ion:146 Resp: 16153

Ion Ratio Lower Upper

146 100

111 48.3 28.5 52.9

148 74.8 47.8 88.8

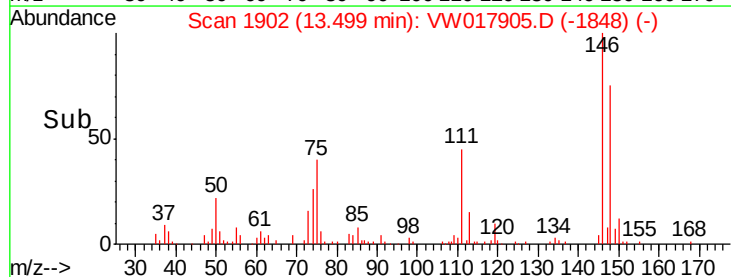
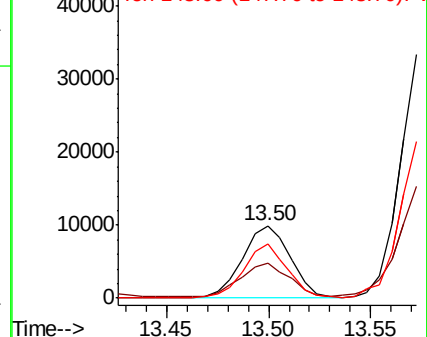


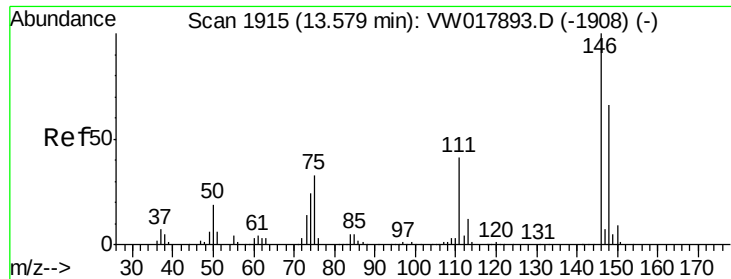
Abundance

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: 12.606 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017905.D
 Acq: 15 Jan 2021 18:09

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C12

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.7	51.5
148	63.7	47.0	87.2

