

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017875.D
 Acq On : 14 Jan 2021 13:19
 Operator : SY/VA
 Sample : M1117-05RE
 Misc : 5.83G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 14 21:45:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 21:44:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	336563	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272284	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	93961	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126727	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.32%
7) Chloroethane-d5	2.89	69	106385	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.00%
10) 1,1-Dichloroethene-d2	4.02	63	165307	18.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.88%
20) 2-Butanone-d5	7.08	46	50611	59.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.92%
24) Chloroform-d	7.65	84	222766	25.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.32%
26) 1,2-Dichloroethane-d4	8.31	65	130658	28.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.80%
29) Benzene-d6	8.27	84	435907	28.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.68%
33) 1,2-Dichloropropane-d6	9.27	67	130024	30.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.00%#
37) Toluene-d8	10.32	98	379093	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.96%
38) trans-1,3-Dichloropropene-	10.58	79	48205	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.32%
39) 2-Hexanone-d5	10.93	63	34615	65.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90303	28.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	83030	25.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.52%

Target Compounds

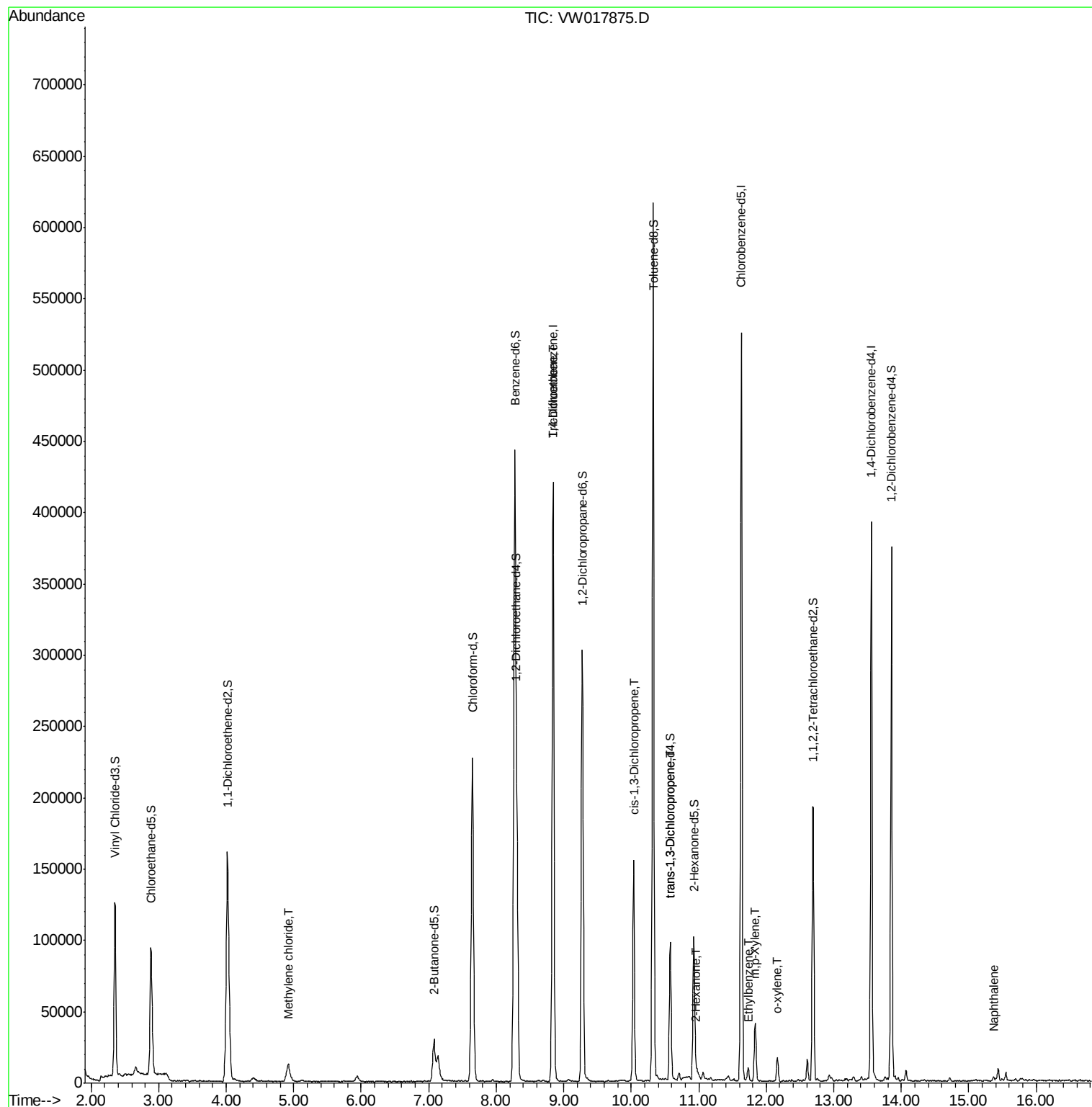
					Ovalue
16) Methylene chloride	4.92	84	9366	1.946 ug/L	87
35) Trichloroethene	8.84	95	11033	2.560 ug/L #	4
42) cis-1,3-Dichloropropene	10.04	75	4400	0.750 ug/L #	40
45) trans-1,3-Dichloropropene	10.58	75	2827	0.566 ug/L	84
49) 2-Hexanone	10.97	43	1639	1.294 ug/L #	79
53) Ethylbenzene	11.73	91	6554	0.325 ug/L	97
54) m,p-Xylene	11.84	106	10731	1.362 ug/L	93
55) o-xylene	12.16	106	4458	0.602 ug/L	82
69) Naphthalene	15.36	128	1686	0.271 ug/L #	85

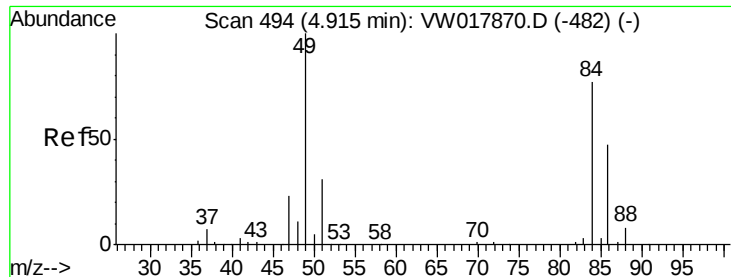
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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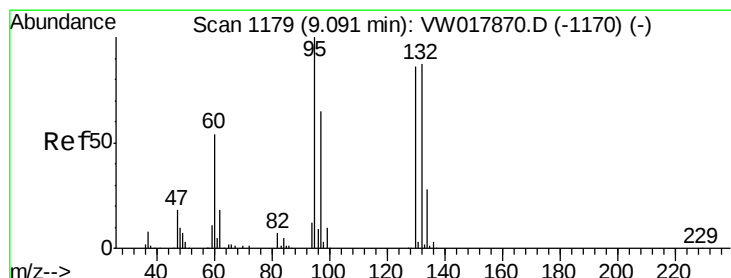
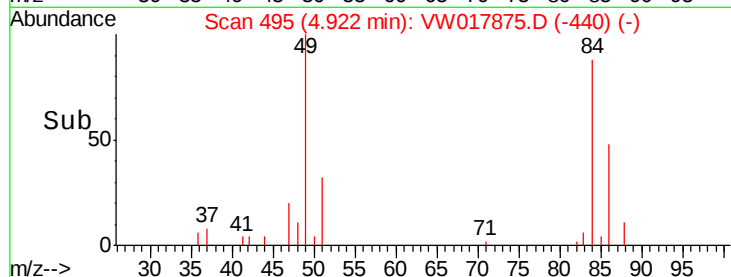
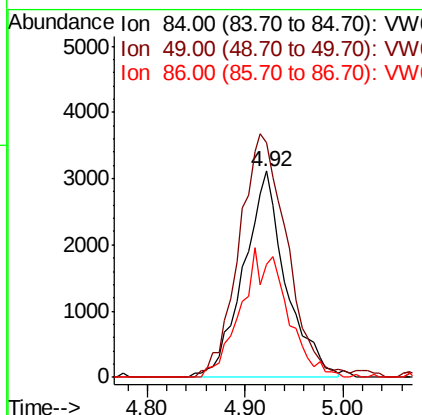
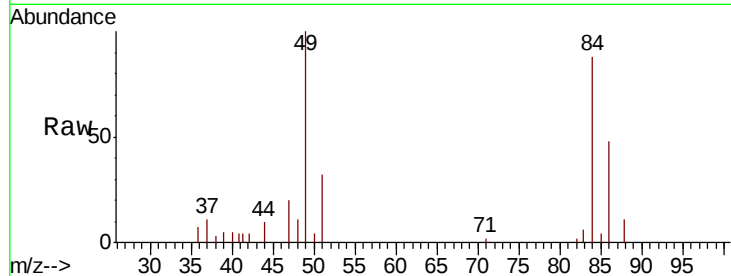




#16
Methvlene chloride
Concen: 1.946 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017875.D
Acq: 14 Jan 2021 13:19

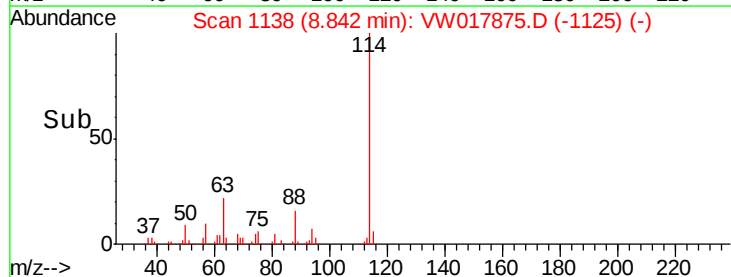
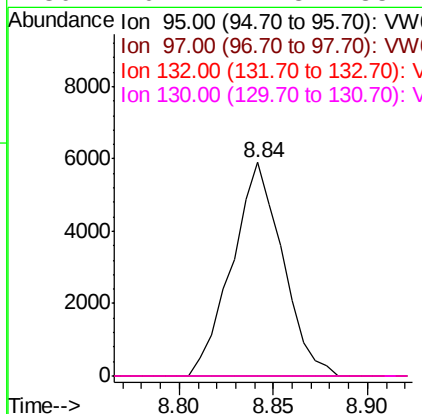
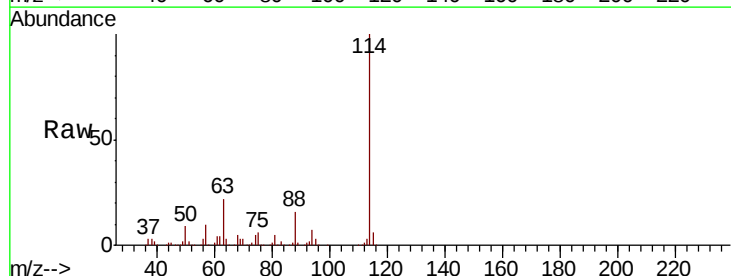
Instrument :
MSVOA_W
ClientSampleId :

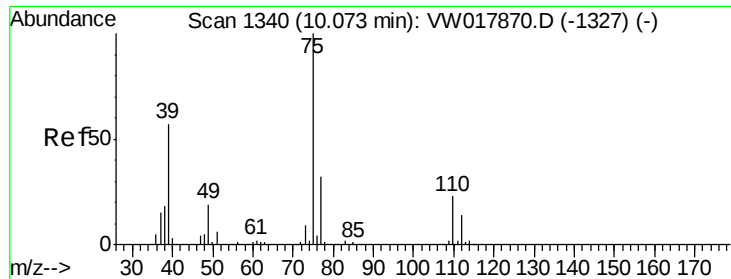
Tot Ion: 84 Resp: 9366
Ion Ratio Lower Upper
84 100
49 114.0 90.5 168.1
86 55.1 44.8 83.2



#35
Trichloroethene
Concen: 2.560 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW017875.D
Acq: 14 Jan 2021 13:19

Tgt Ion: 95 Resp: 11033
Ion Ratio Lower Upper
95 100
97 0.0 46.8 87.0#
132 0.0 68.3 126.9#
130 0.4 71.8 133.4#





#42

cis-1,3-Dichloropropene

Concen: 0.750 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017875.D

Acq: 14 Jan 2021 13:19

Instrument :

MSVOA_W

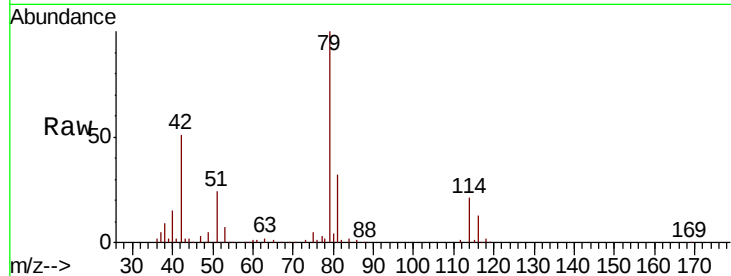
ClientSampleId :

Tot Ion: 75 Resp: 4400

Ion Ratio Lower Upper

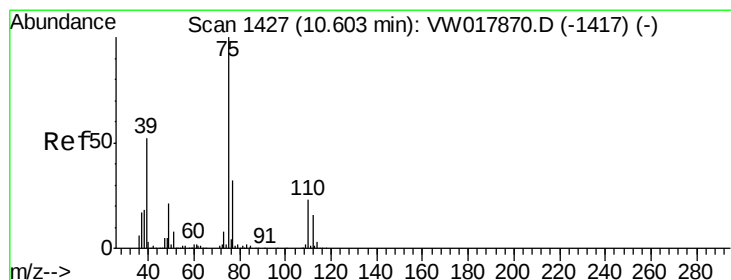
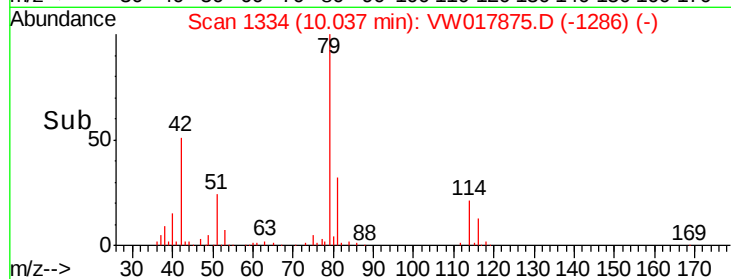
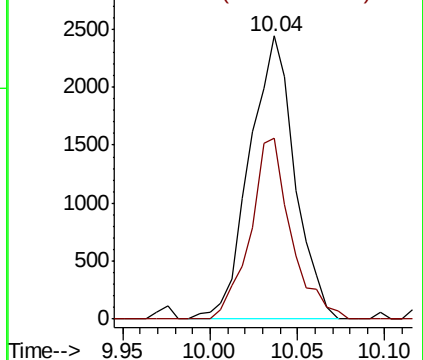
75 100

77 64.0 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.566 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017875.D

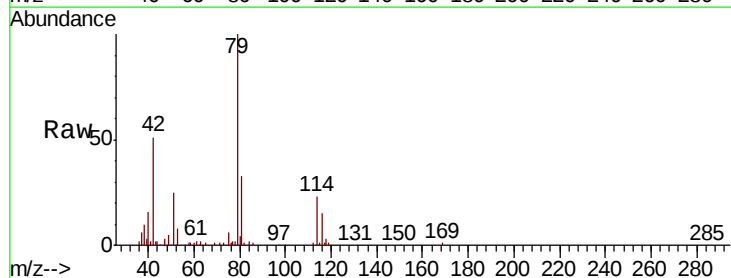
Acq: 14 Jan 2021 13:19

Tgt Ion: 75 Resp: 2827

Ion Ratio Lower Upper

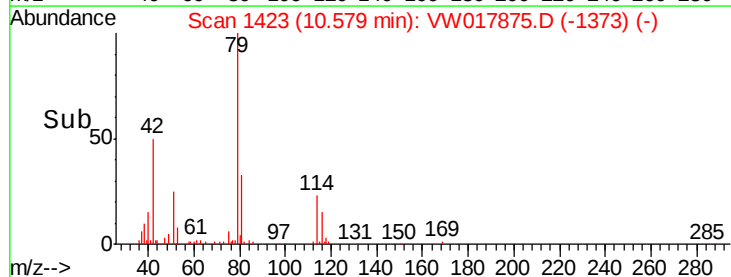
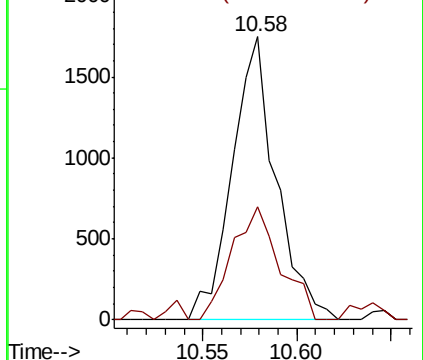
75 100

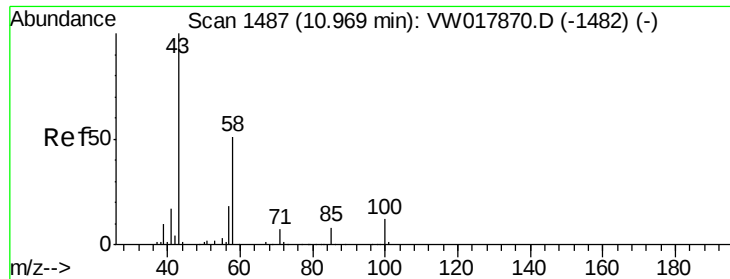
77 39.8 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

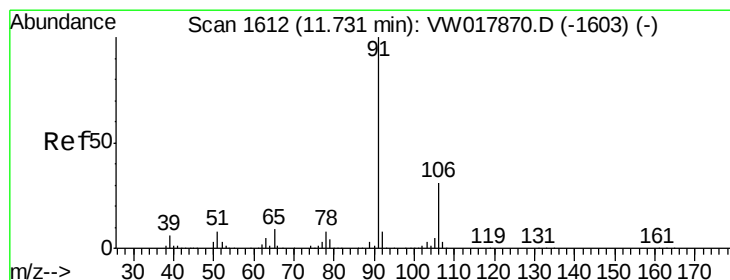
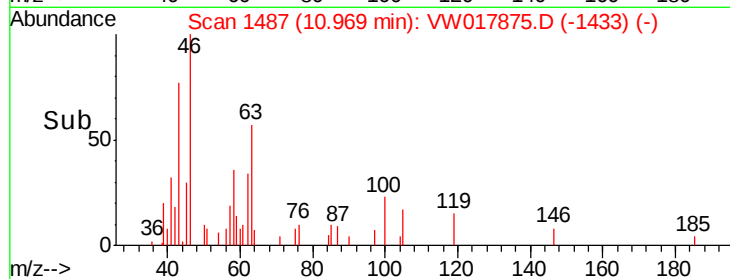
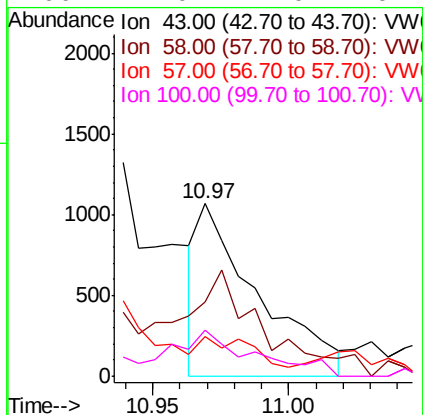
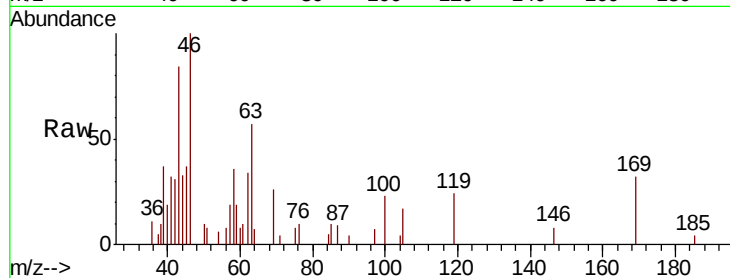




#49
2-Hexanone
Concen: 1.294 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017875.D
Acq: 14 Jan 2021 13:19

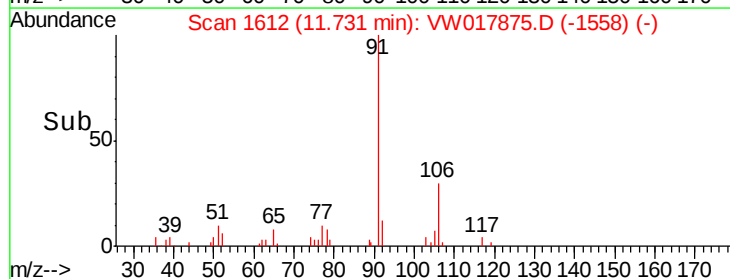
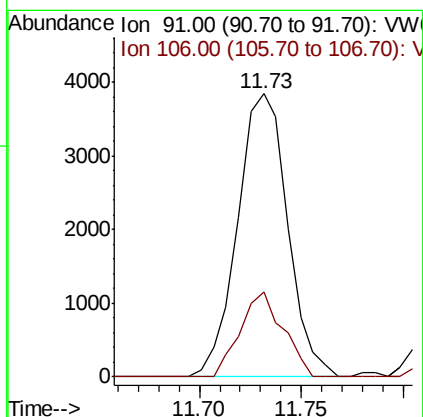
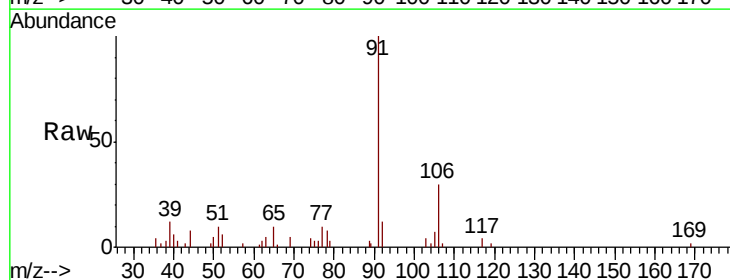
Instrument :
MSVOA_W
ClientSampleId :

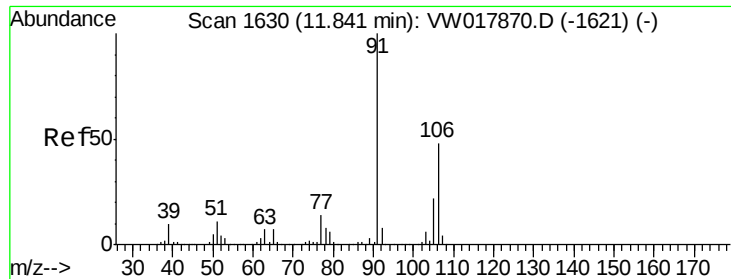
Tot Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
58 68.8 44.2 66.4#
57 9.4 16.1 24.1#
100 24.0 11.0 16.4#



#53
Ethylbenzene
Concen: 0.325 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017875.D
Acq: 14 Jan 2021 13:19

Tgt Ion: 91 Resp: 6554
Ion Ratio Lower Upper
91 100
106 30.1 22.0 41.0





#54

m,p-Xylene

Concen: 1.362 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017875.D

Acq: 14 Jan 2021 13:19

Instrument :

MSVOA_W

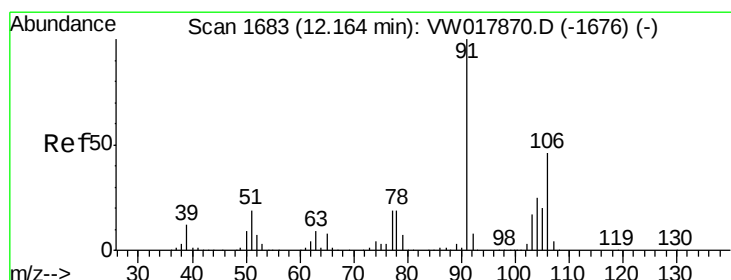
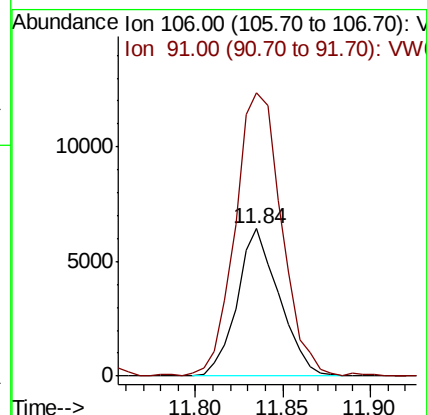
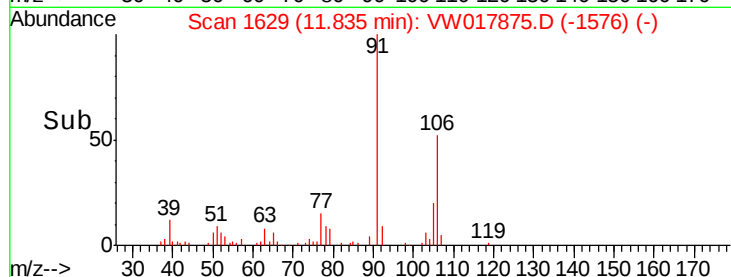
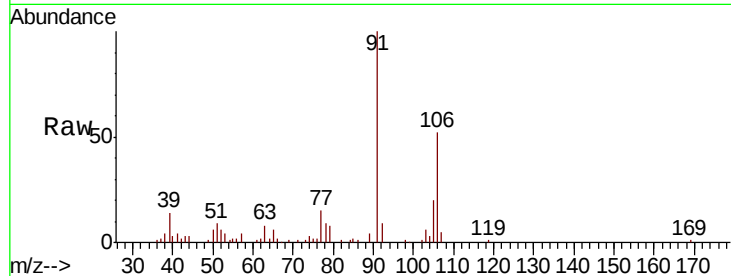
ClientSampled :

Tot Ion:106 Resp: 10731

Ion Ratio Lower Upper

106 100

91 192.4 141.6 263.0



#55

o-xylene

Concen: 0.602 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017875.D

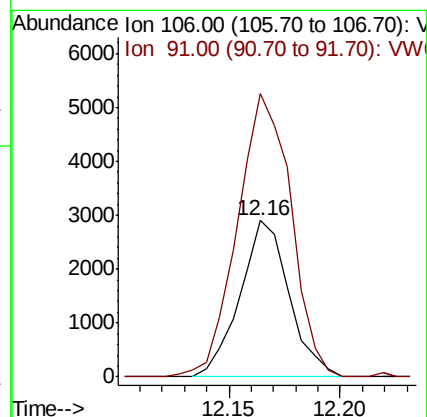
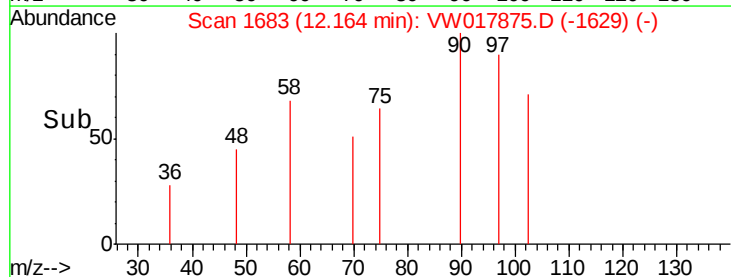
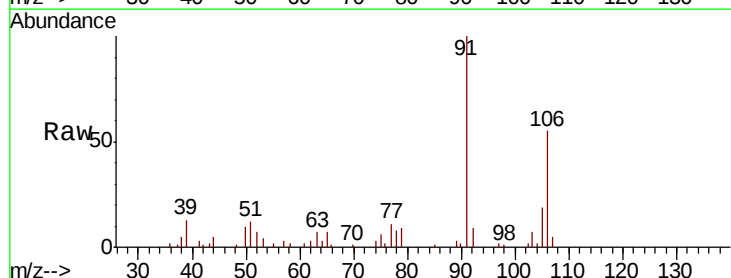
Acq: 14 Jan 2021 13:19

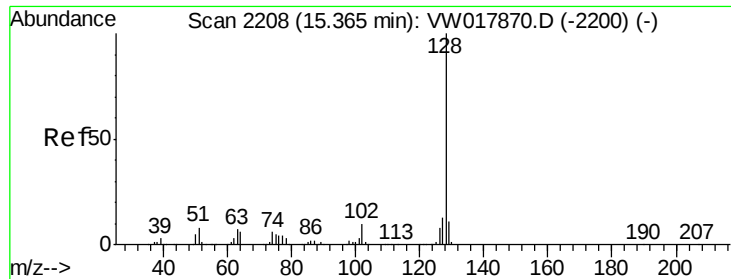
Tgt Ion:106 Resp: 4458

Ion Ratio Lower Upper

106 100

91 180.9 145.7 270.7





#69

Naphthalene

Concen: 0.271 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

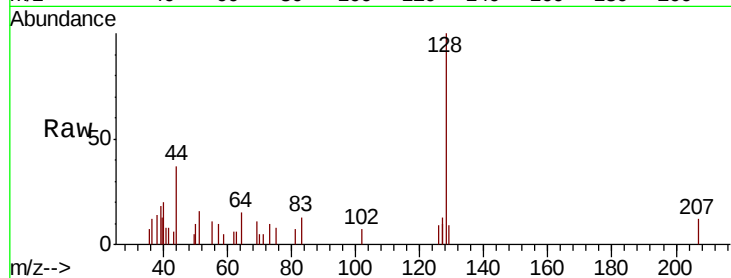
Lab File: VW017875.D

Acq: 14 Jan 2021 13:19

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:128 Resp: 1686

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

127 11.7 10.6 15.8

