

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\
 Data File : VW014044.D
 Acq On : 15 Nov 2019 16:39
 Operator : SY/VA
 Sample : K5855-02MS
 Misc : 7.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 16 04:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 16 04:05:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	265096	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	183442	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	47853	25.00	ug/L	0.00

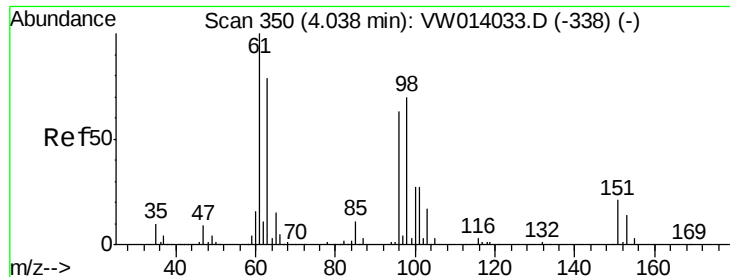
System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	105644	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.92%
7) Chloroethane-d5	2.89	69	91299	26.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.52%
10) 1,1-Dichloroethene-d2	4.02	63	202062	23.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.12%
20) 2-Butanone-d5	7.07	46	101529	82.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.26%#
24) Chloroform-d	7.65	84	227396	27.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	8.31	65	138040	33.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	134.72%#
29) Benzene-d6	8.27	84	451530	34.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	138.76%#
33) 1,2-Dichloropropane-d6	9.27	67	147740	38.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	155.00%#
37) Toluene-d8	10.32	98	324535	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.16%
38) trans-1,3-Dichloropropene-	10.57	79	62705	38.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	153.60%#
39) 2-Hexanone-d5	10.92	63	84001	116.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	232.36%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116346	40.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	161.64%#
61) 1,2-Dichlorobenzene-d4	13.85	152	52099	27.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.40%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	4.04	96	100498	22.457 ug/L	96
13) Acetone	4.12	43	20446	16.352 ug/L	59
14) Carbon disulfide	4.39	76	6597	0.518 ug/L #	82
21) 2-Butanone	7.17	43	4256	2.649 ug/L	85
25) Chloroform	7.68	83	3066	0.397 ug/L #	45
34) Benzene	8.32	78	454121	33.750 ug/L	100
35) Trichloroethene	9.09	95	94357	26.289 ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	3237	0.633 ug/L #	67
44) Toluene	10.38	91	393539	26.826 ug/L	98
45) trans-1,3-Dichloropropene	10.57	75	2726	0.674 ug/L	94
49) 2-Hexanone	10.93	43	10267	6.659 ug/L #	65
52) Chlorobenzene	11.66	112	204052	22.187 ug/L	98

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



#12

1,1-Dichloroethene

Concen: 22.457 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014044.D

Acq: 15 Nov 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

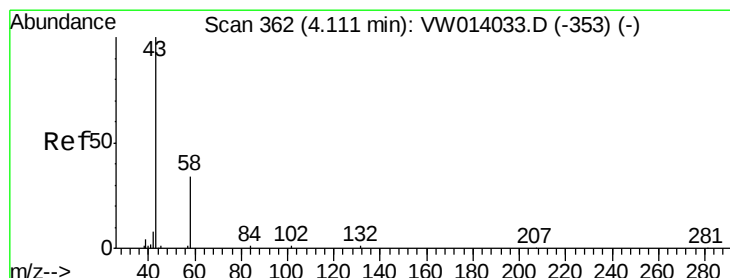
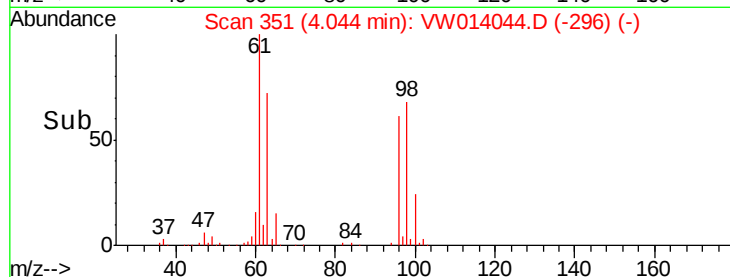
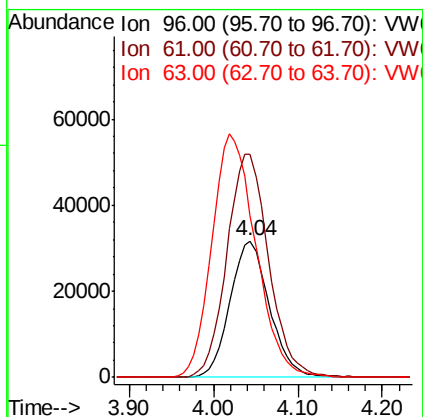
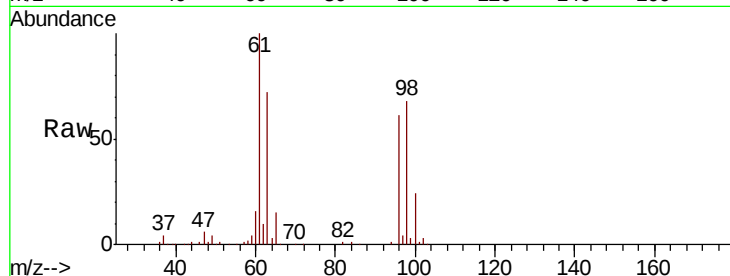
Tot Ion: 96 Resp: 100498

Ion Ratio Lower Upper

96 100

61 163.8 109.8 204.0

63 118.4 80.7 149.9



#13

Acetone

Concen: 16.352 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014044.D

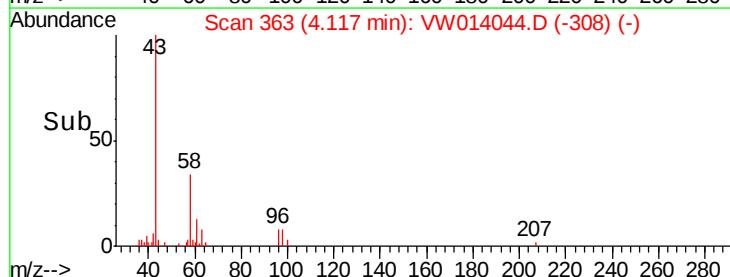
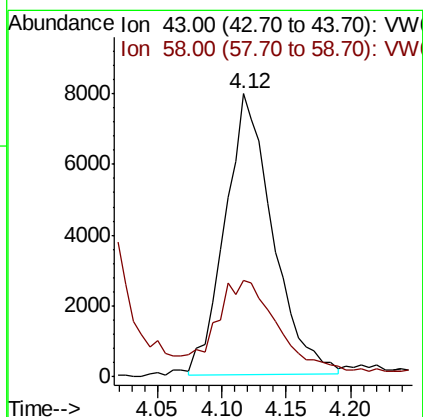
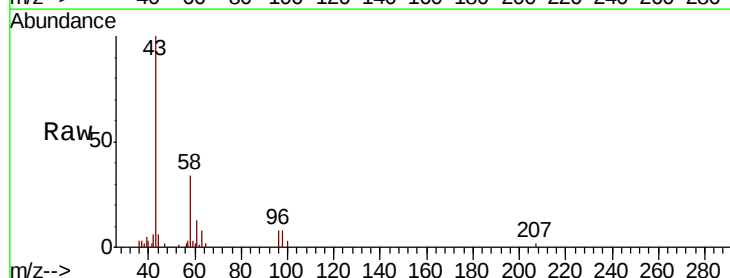
Acq: 15 Nov 2019 16:39

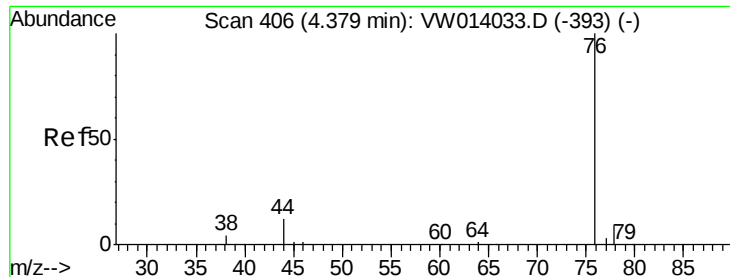
Tgt Ion: 43 Resp: 20446

Ion Ratio Lower Upper

43 100

58 9.6 0.0 65.4





#14

Carbon disulfide

Concen: 0.518 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014044.D

Acq: 15 Nov 2019 16:39

Instrument :

MSVOA_W

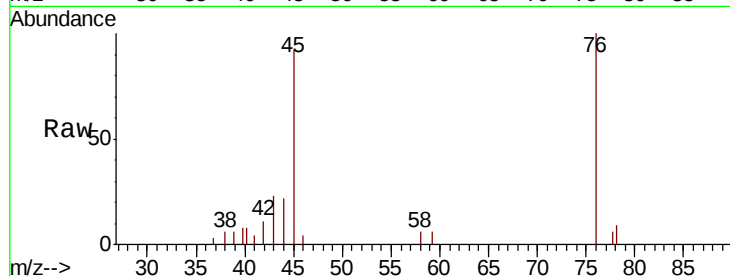
ClientSampleId :

Tot Ion: 76 Resp: 6597

Ion Ratio Lower Upper

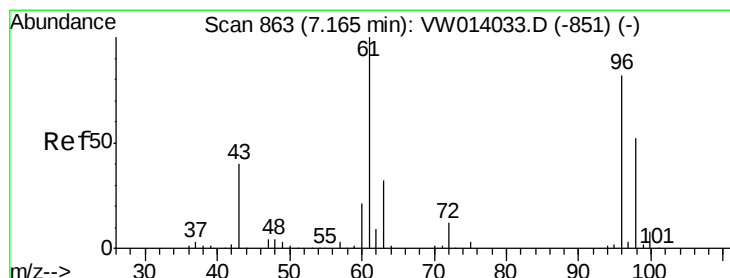
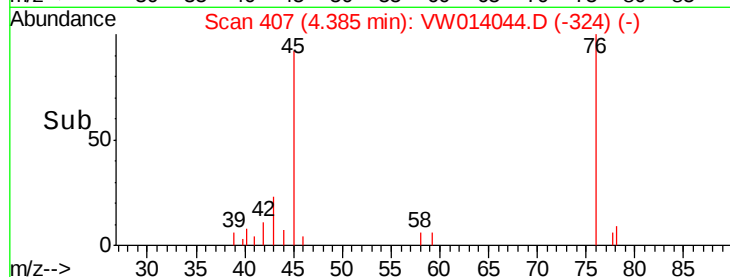
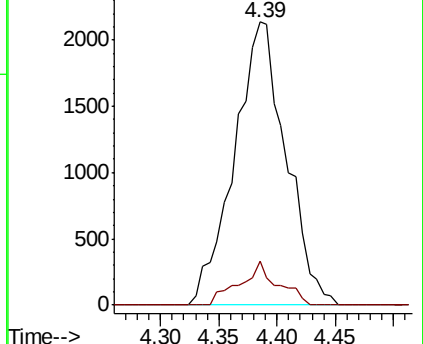
76 100

78 15.5 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#21

2-Butanone

Concen: 2.649 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014044.D

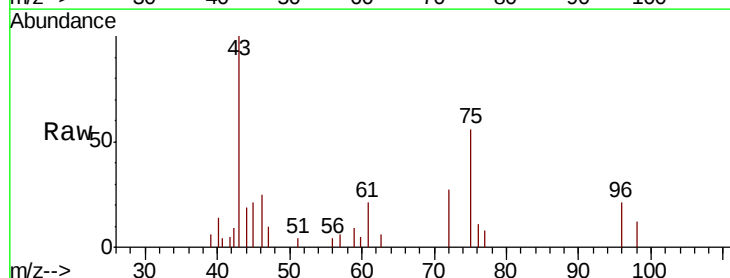
Acq: 15 Nov 2019 16:39

Tgt Ion: 43 Resp: 4256

Ion Ratio Lower Upper

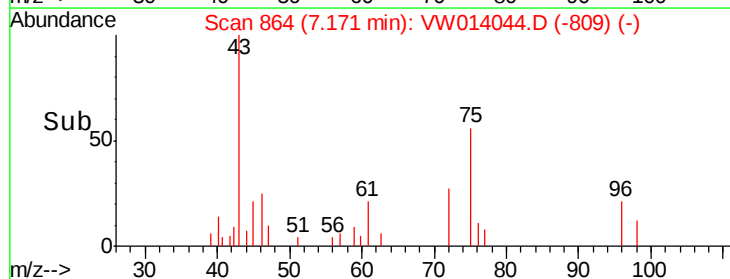
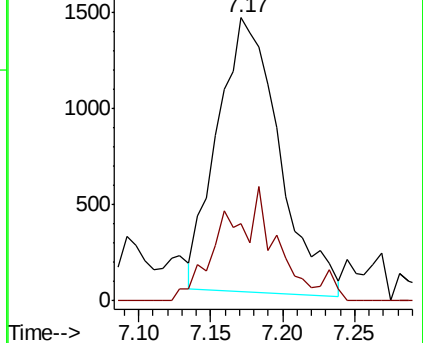
43 100

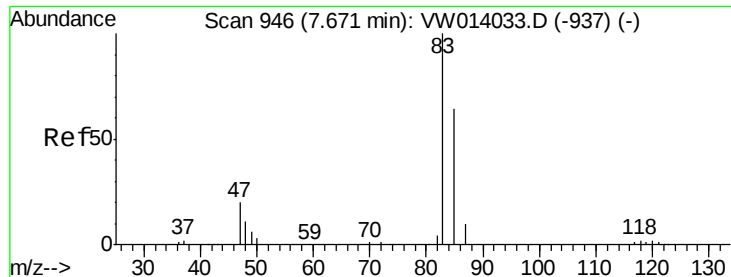
72 20.0 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

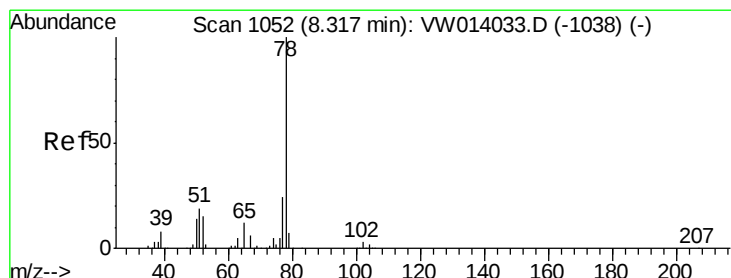
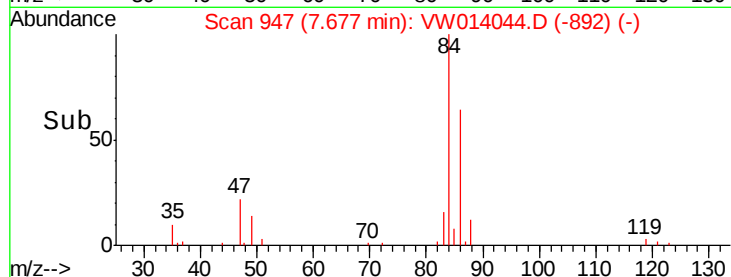
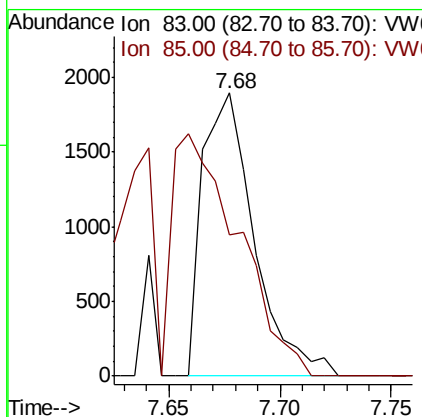
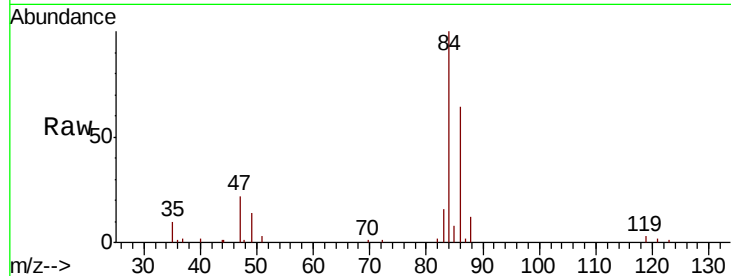




#25
Chloroform
Concen: 0.397 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW014044.D
Acq: 15 Nov 2019 16:39

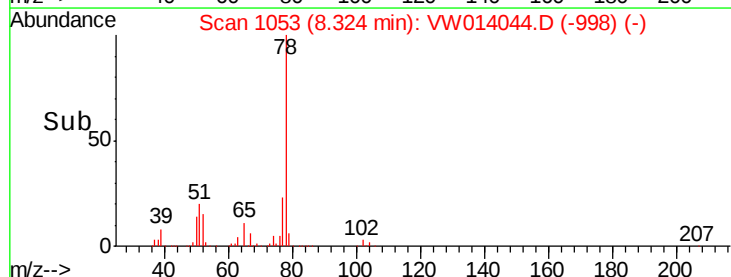
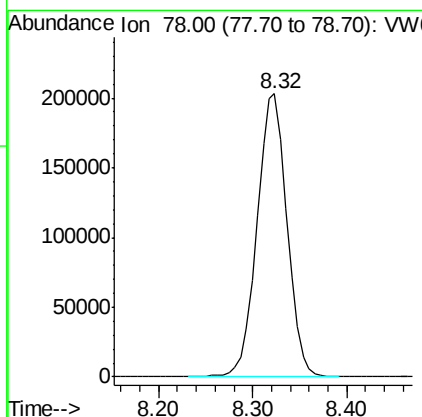
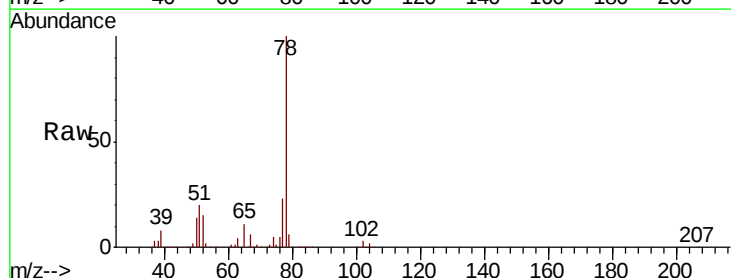
Instrument :
MSVOA_W
ClientSampleId :

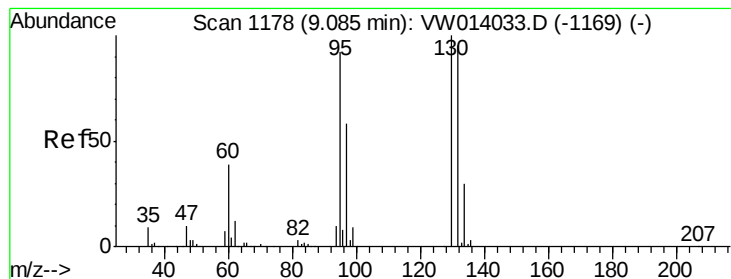
Tot Ion: 83 Resp: 3066
Ion Ratio Lower Upper
83 100
85 109.7 46.1 85.7#



#34
Benzene
Concen: 33.750 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014044.D
Acq: 15 Nov 2019 16:39

Tgt Ion: 78 Resp: 454121





#35

Trichloroethene

Concen: 26.289 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014044.D

Acq: 15 Nov 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 94357

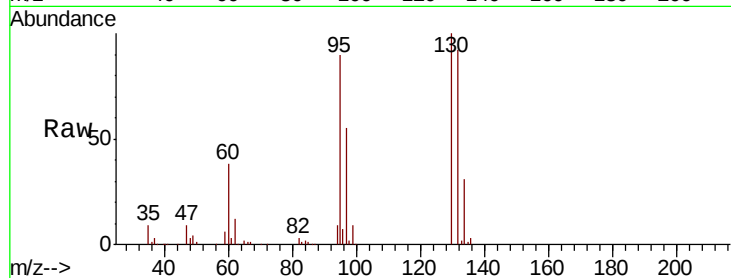
Ion Ratio Lower Upper

95 100

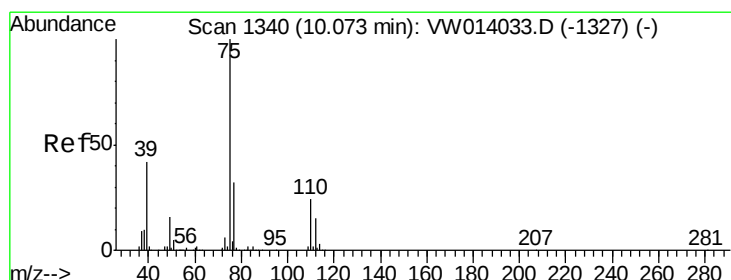
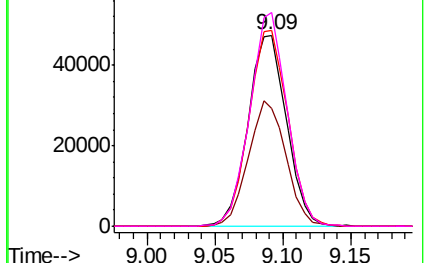
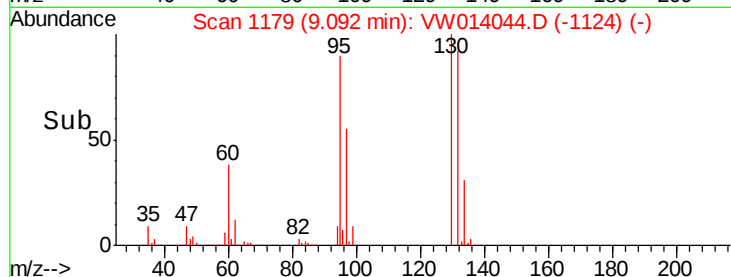
97 63.9 45.1 83.9

132 103.8 73.7 136.9

130 108.4 76.6 142.2



Abundance Ion 95.00 (94.70 to 95.70): VW
Ion 97.00 (96.70 to 97.70): VW
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.633 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014044.D

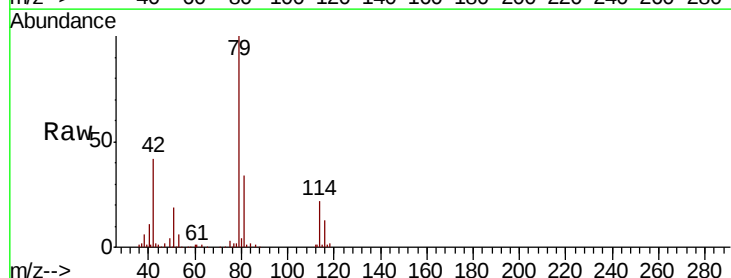
Acq: 15 Nov 2019 16:39

Tgt Ion: 75 Resp: 3237

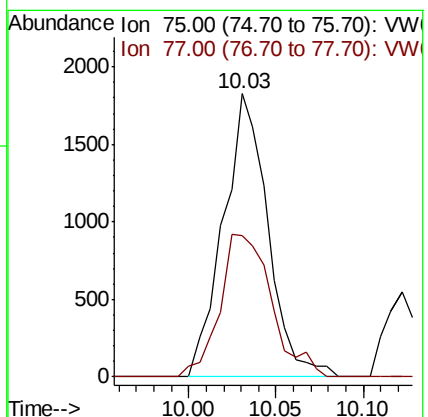
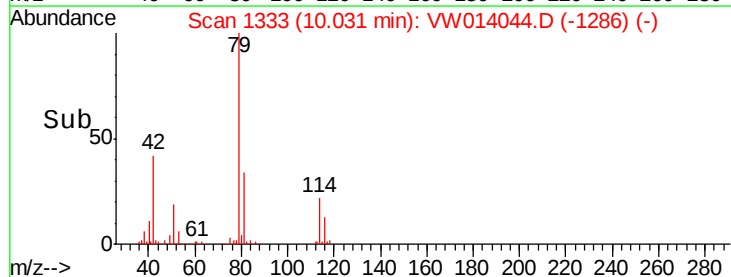
Ion Ratio Lower Upper

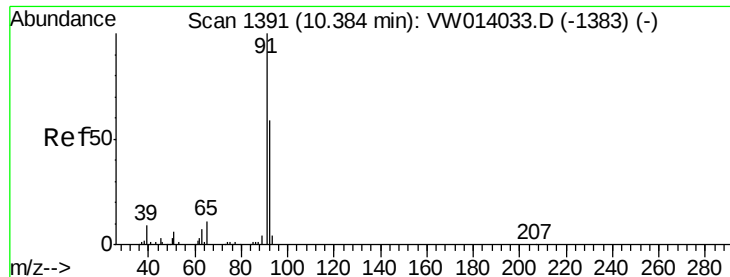
75 100

77 49.8 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 26.826 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014044.D

Acq: 15 Nov 2019 16:39

Instrument :

MSVOA_W

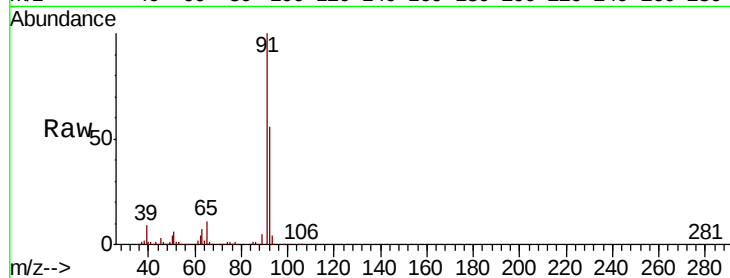
ClientSampleId :

Tot Ion: 91 Resp: 393539

Ion Ratio Lower Upper

91 100

92 56.4 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

250000

200000

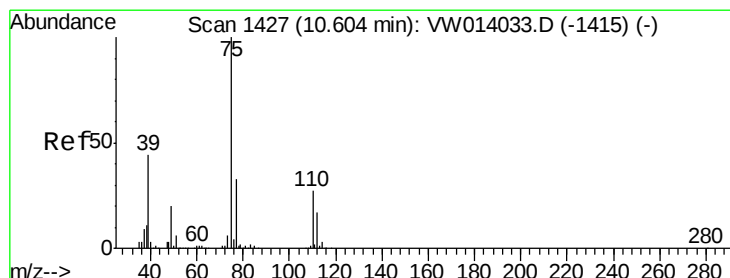
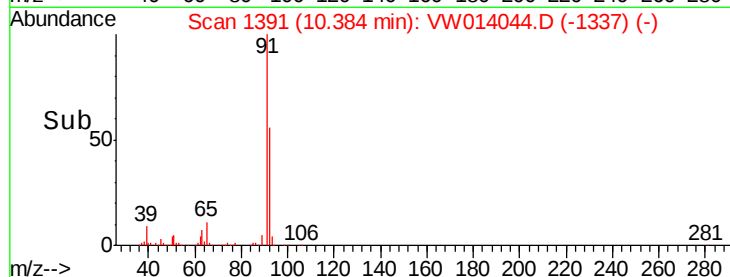
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.674 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW014044.D

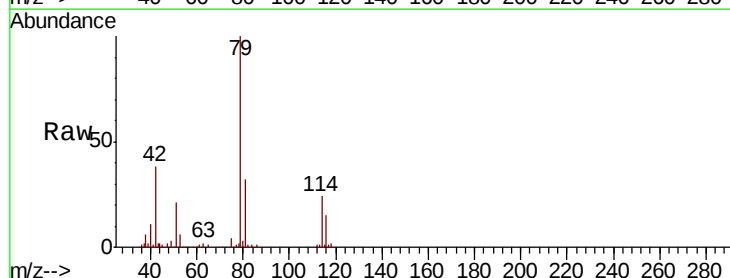
Acq: 15 Nov 2019 16:39

Tgt Ion: 75 Resp: 2726

Ion Ratio Lower Upper

75 100

77 34.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

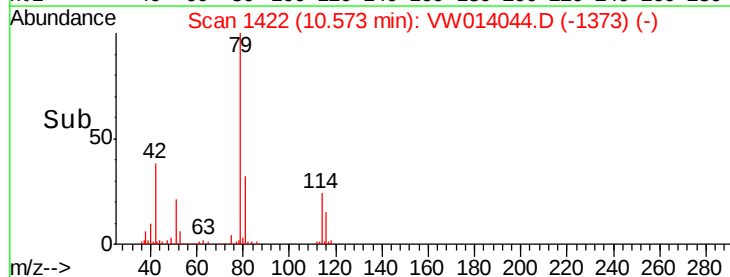
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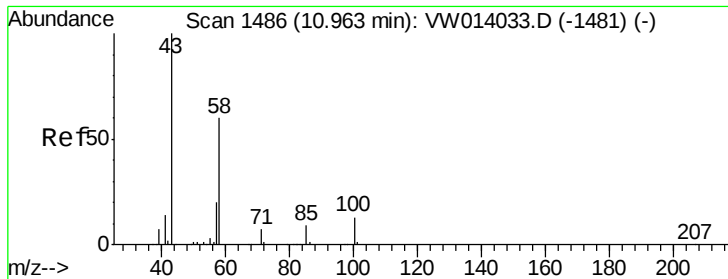
1000

500

0

Time-->





#49

2-Hexanone

Concen: 6.659 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW014044.D

Acq: 15 Nov 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 10267

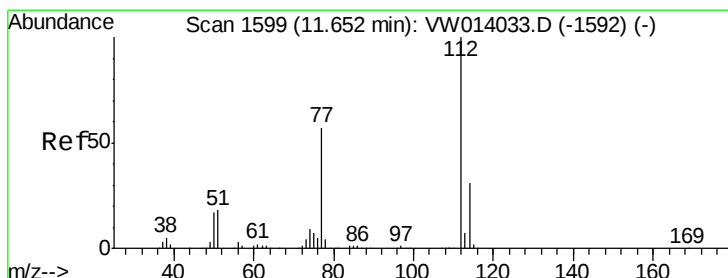
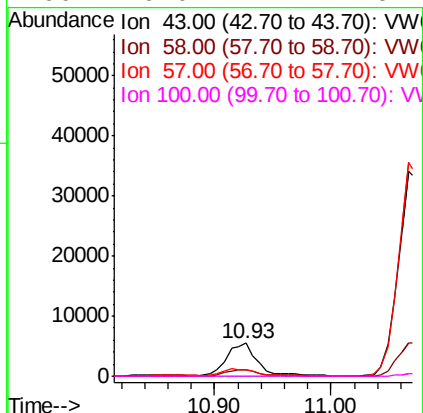
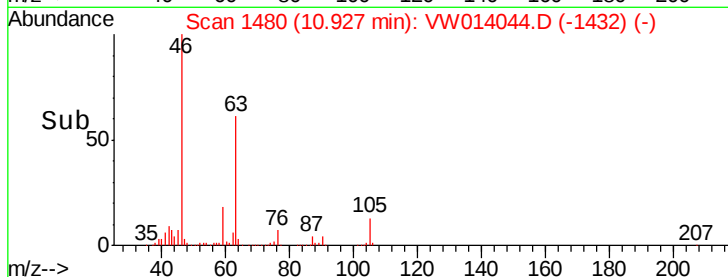
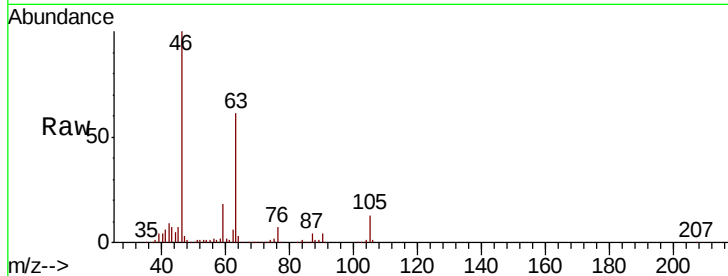
Ion Ratio Lower Upper

43 100

58 21.7 44.4 66.6#

57 23.3 16.5 24.7

100 0.0 11.1 16.7#



#52

Chlorobenzene

Concen: 22.187 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014044.D

Acq: 15 Nov 2019 16:39

Tgt Ion: 112 Resp: 204052

Ion Ratio Lower Upper

112 100

77 54.8 42.2 63.4

114 32.6 22.5 41.9

