

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091418\
 Data File : VW005367.D
 Acq On : 13 Sep 2018 23:18
 Operator : SY/AP
 Sample : J4865-04MSD
 Misc : 3.85G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB3N2MSD

Quant Time: Sep 14 06:58:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 06:56:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	296035	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	286191	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	124261	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	85655	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.28%
7) Chloroethane-d5	2.89	69	68159	28.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.84%
10) 1,1-Dichloroethene-d2	4.03	63	165303	27.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.40%
20) 2-Butanone-d5	7.10	46	56500	43.91	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.82%
24) Chloroform-d	7.66	84	166467	30.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	120.60%
26) 1,2-Dichloroethane-d4	8.32	65	110033	31.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.64%
29) Benzene-d6	8.28	84	339378	29.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.16%
33) 1,2-Dichloropropane-d6	9.28	67	102469	31.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.96%#
37) Toluene-d8	10.33	98	331465	28.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.92%
38) trans-1,3-Dichloropropene-	10.59	79	49361	30.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	120.32%
39) 2-Hexanone-d5	10.93	63	45809	44.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.72%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	90324	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	113212	30.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	121.44%#

Target Compounds

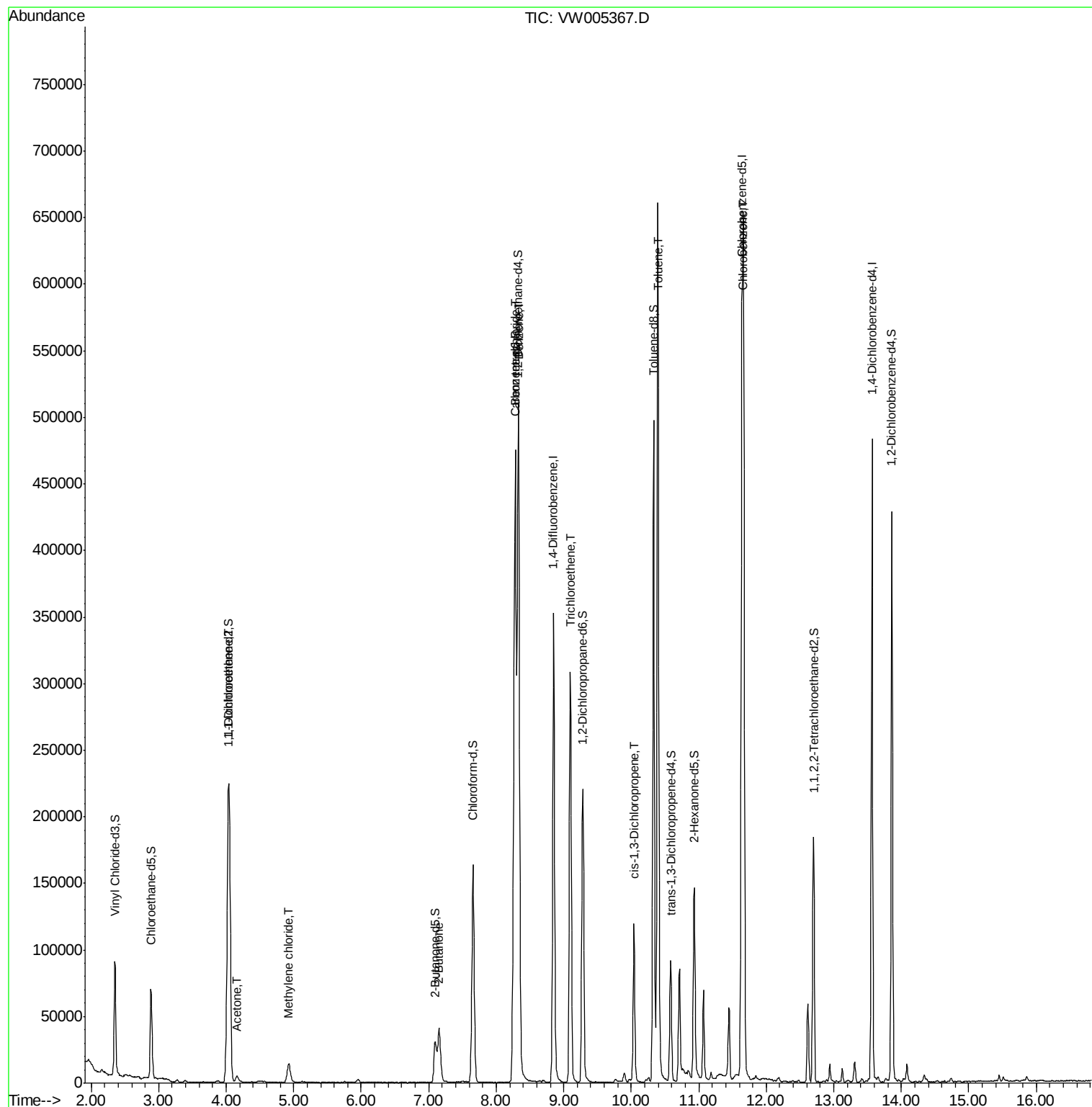
					Qvalue
12) 1,1-Dichloroethene	4.04	96	85367	26.497 ug/L	90
13) Acetone	4.15	43	6315	5.227 ug/L	92
16) Methylene chloride	4.92	84	11122	1.978 ug/L	93
21) 2-Butanone	7.15	43	2337	1.262 ug/L #	71
32) Carbon tetrachloride	8.27	117	4031	0.668 ug/L #	33
34) Benzene	8.33	78	435990	27.345 ug/L	100
35) Trichloroethene	9.10	95	106738	25.222 ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	3351	0.576 ug/L #	59
44) Toluene	10.40	91	502394	27.500 ug/L	97
52) Chlorobenzene	11.66	112	312045	26.176 ug/L	96

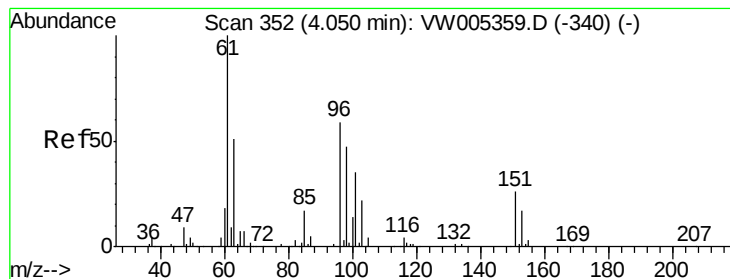
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 14 06:56:14 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 26.497 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW005367.D

Acq: 13 Sep 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

DB3N2MSD

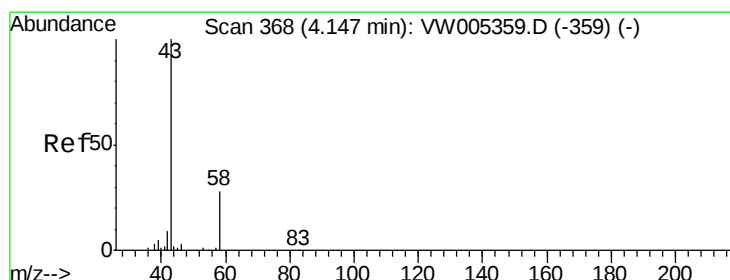
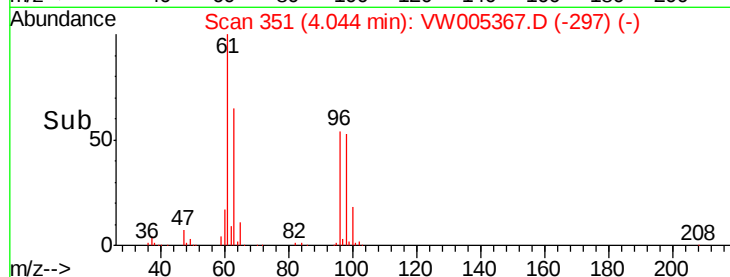
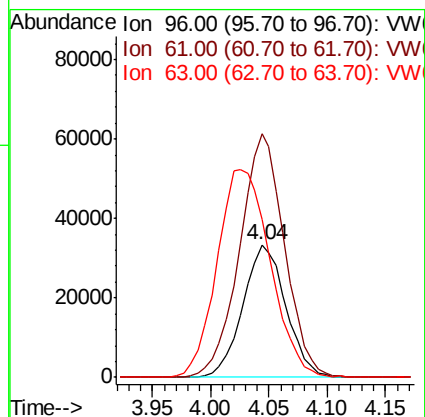
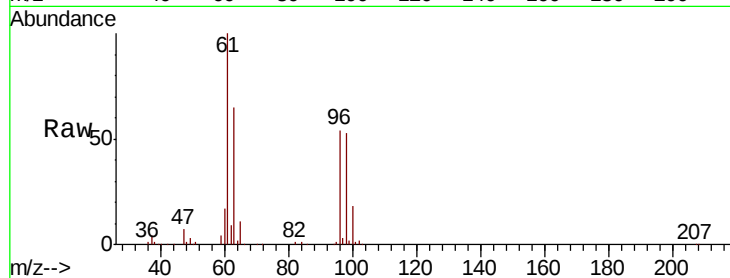
Tgt Ion: 96 Resp: 85367

Ion Ratio Lower Upper

96 100

61 183.6 123.3 229.1

63 118.7 69.4 128.8



#13

Acetone

Concen: 5.227 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW005367.D

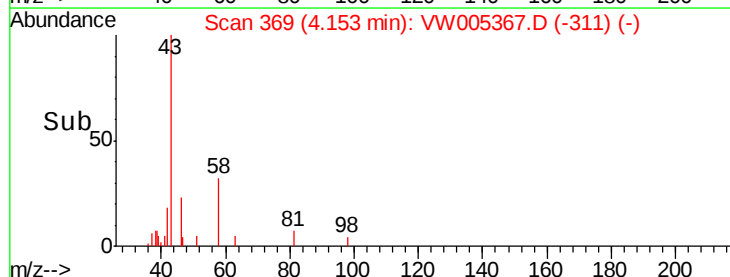
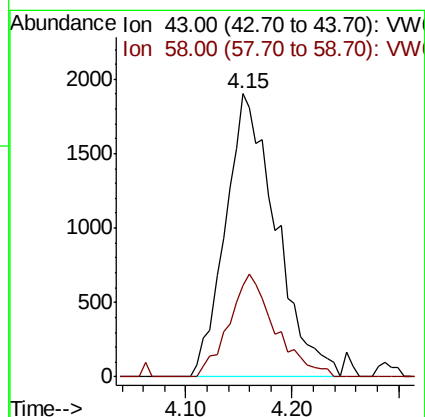
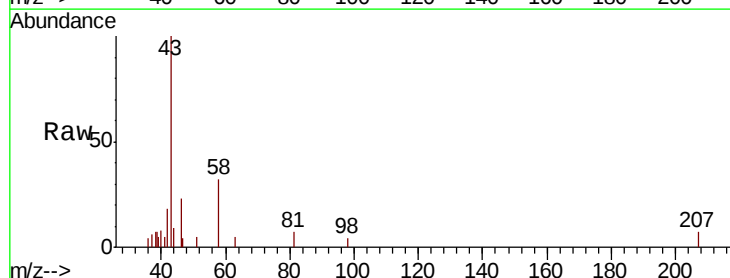
Acq: 13 Sep 2018 23:18

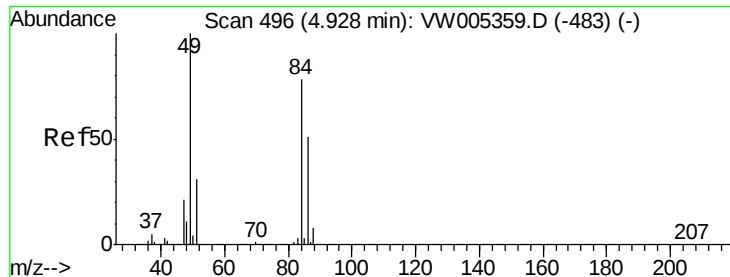
Tgt Ion: 43 Resp: 6315

Ion Ratio Lower Upper

43 100

58 33.2 0.0 57.6

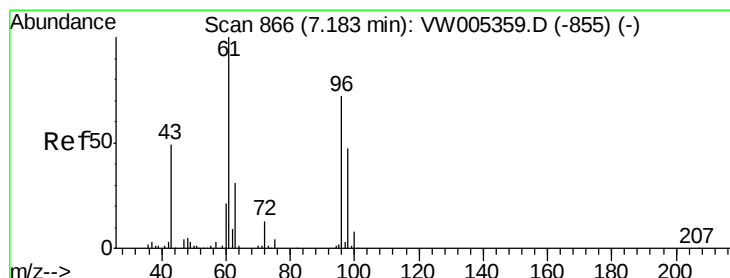
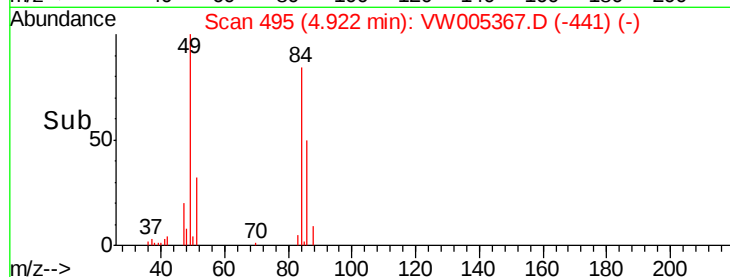
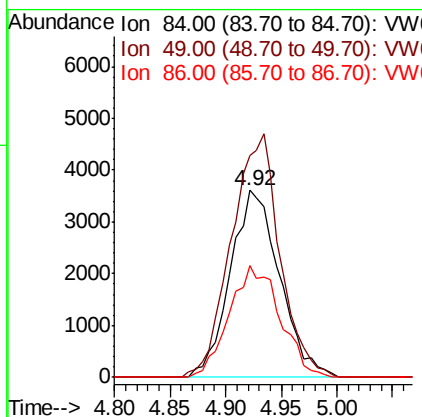
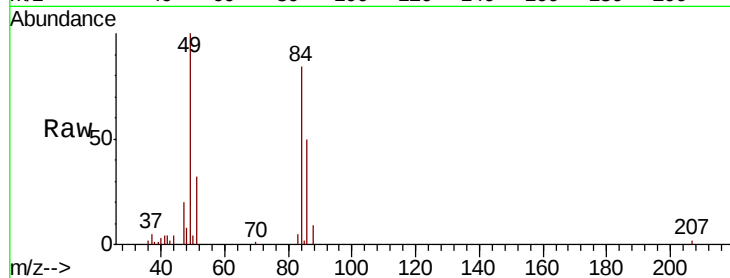




#16
Methylene chloride
Concen: 1.978 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005367.D
Acq: 13 Sep 2018 23:18

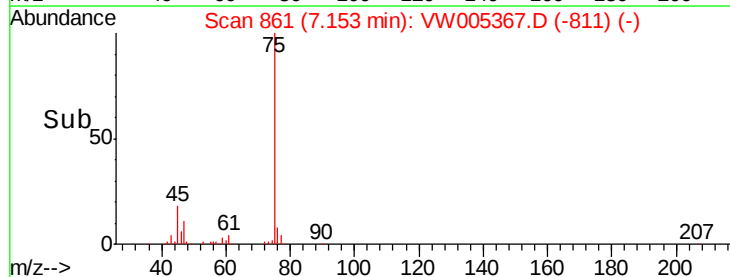
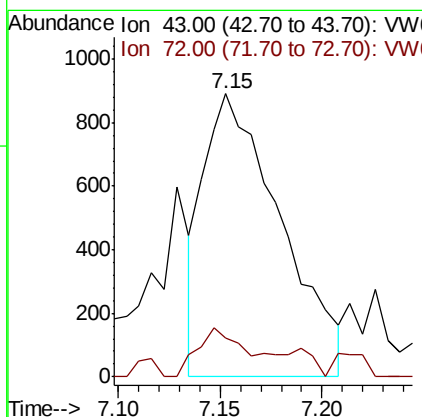
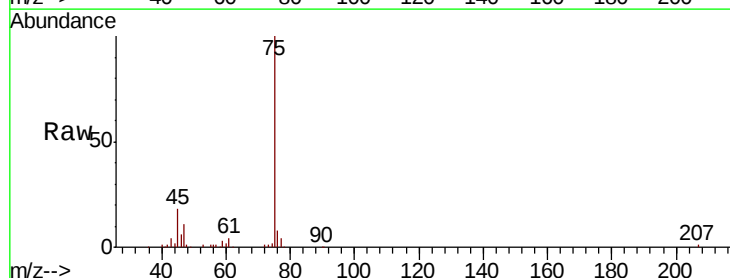
Instrument :
MSVOA_W
ClientSampleId :
DB3N2MSD

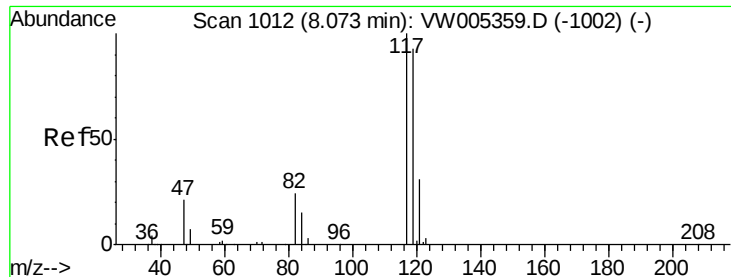
Tgt Ion: 84 Resp: 11122
Ion Ratio Lower Upper
84 100
49 118.8 90.9 168.7
86 59.6 43.6 81.0



#21
2-Butanone
Concen: 1.262 ug/L
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005367.D
Acq: 13 Sep 2018 23:18

Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
72 9.5 11.8 35.4#





#32

Carbon tetrachloride

Concen: 0.668 ug/L

RT: 8.27 min Scan# 1044

Delta R.T. 0.20 min

Lab File: VW005367.D

Acq: 13 Sep 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

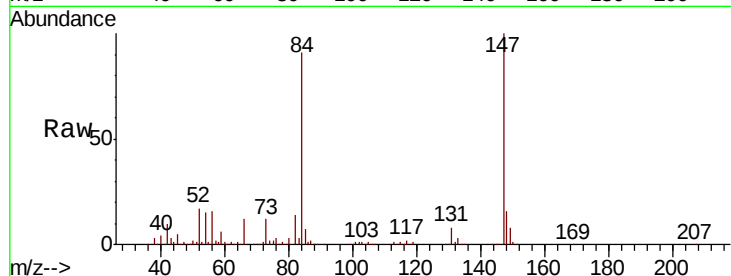
DB3N2MSD

Tgt Ion:117 Resp: 4031

Ion Ratio Lower Upper

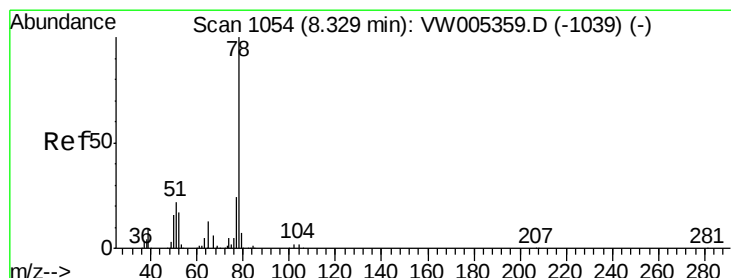
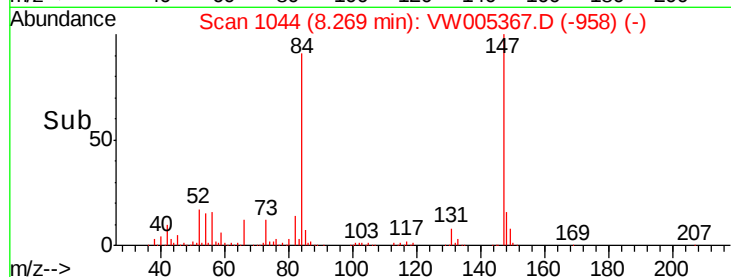
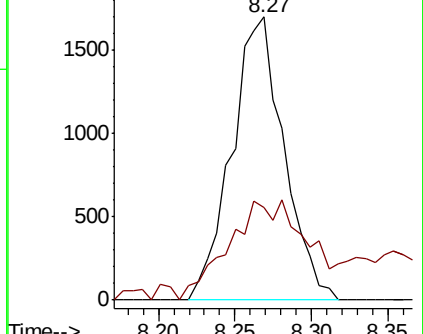
117 100

119 30.7 77.0 115.6#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.345 ug/L

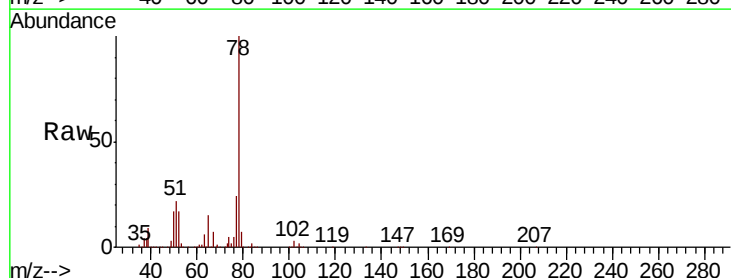
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

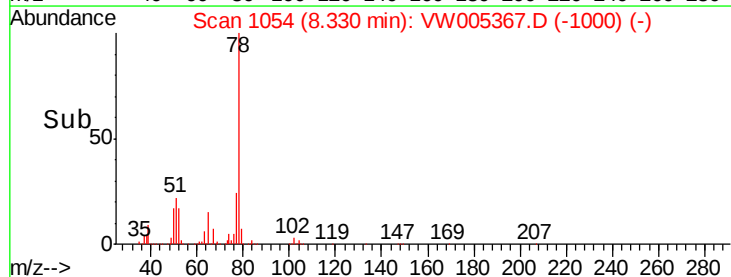
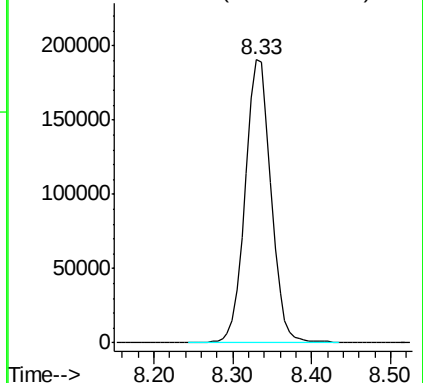
Lab File: VW005367.D

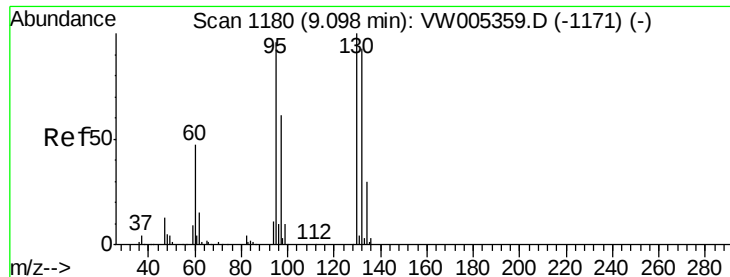
Acq: 13 Sep 2018 23:18

Tgt Ion: 78 Resp: 435990



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.222 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005367.D

Acq: 13 Sep 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

DB3N2MSD

Tgt Ion: 95 Resp: 106738

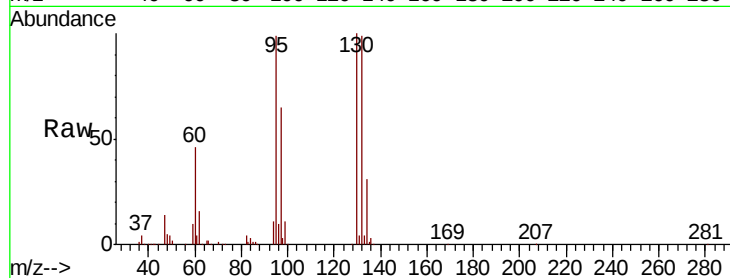
Ion Ratio Lower Upper

95 100

97 64.2 45.0 83.6

132 97.2 67.2 124.8

130 99.9 68.8 127.8



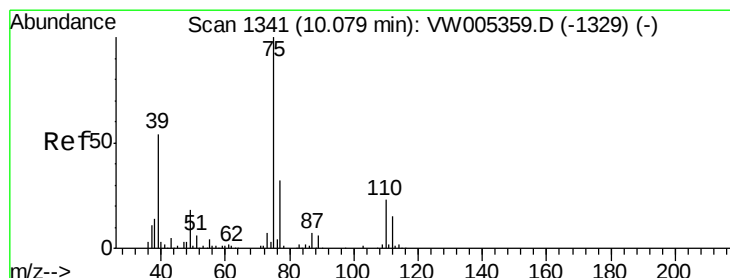
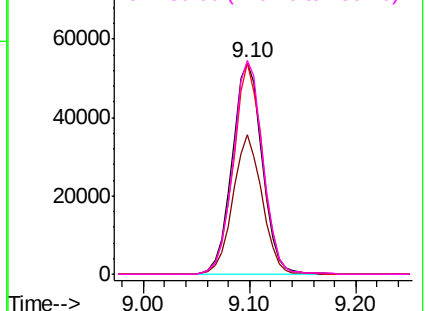
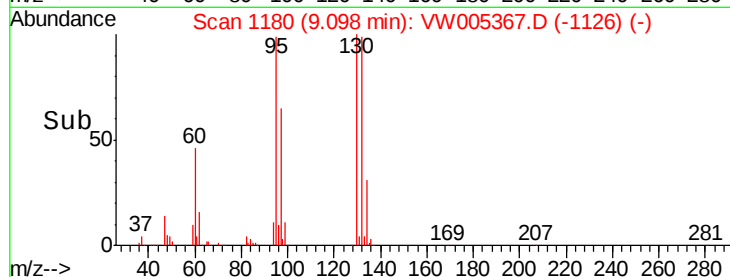
Abundance

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: 0.576 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW005367.D

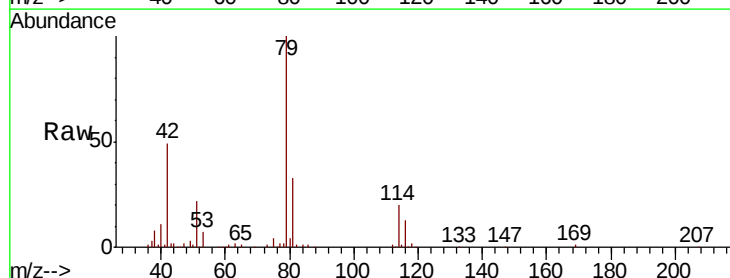
Acq: 13 Sep 2018 23:18

Tgt Ion: 75 Resp: 3351

Ion Ratio Lower Upper

75 100

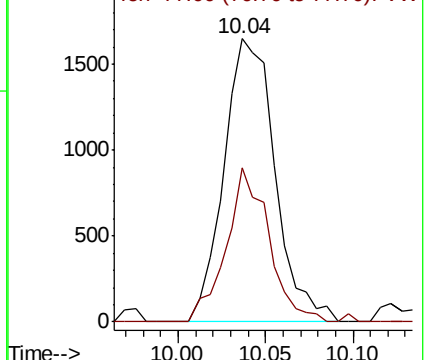
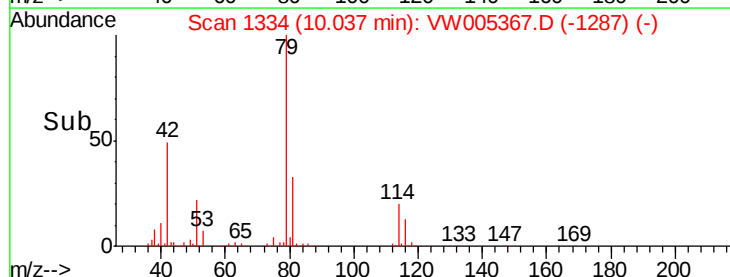
77 54.3 22.3 41.3#

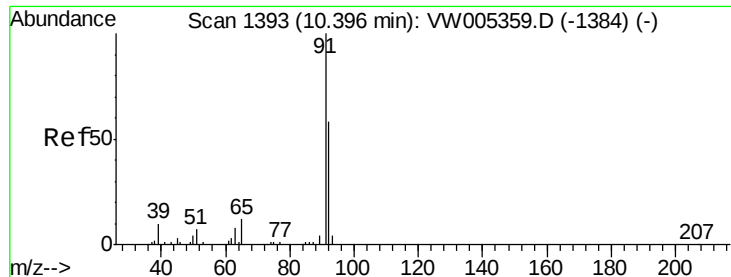


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 27.500 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005367.D

Acq: 13 Sep 2018 23:18

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ClientSampleId :

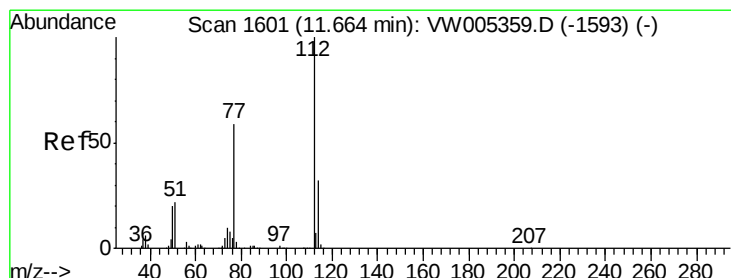
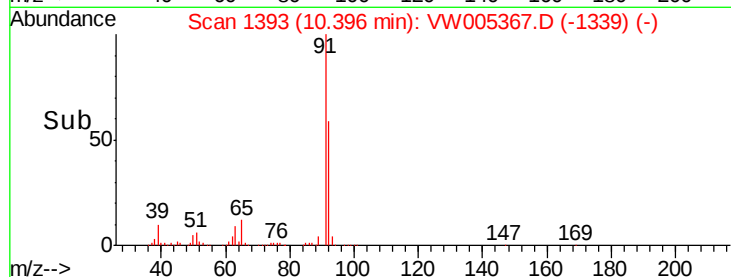
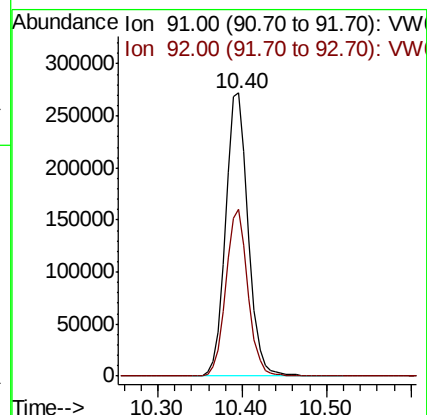
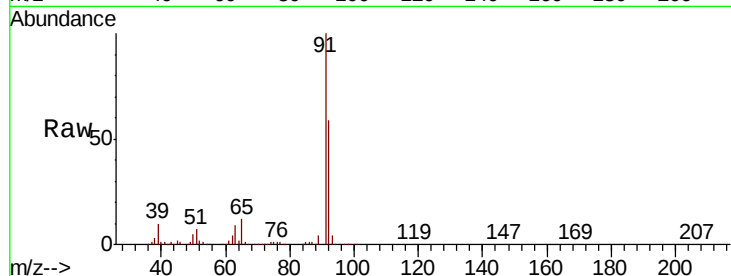
DB3N2MSD

Tgt Ion: 91 Resp: 502394

Ion Ratio Lower Upper

91 100

92 59.0 39.8 74.0



#52

Chlorobenzene

Concen: 26.176 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005367.D

Acq: 13 Sep 2018 23:18

Tgt Ion: 112 Resp: 312045

Ion Ratio Lower Upper

112 100

77 61.0 45.1 67.7

114 32.9 22.5 41.7

