

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\
 Data File : VW005825.D
 Acq On : 03 Oct 2018 21:35
 Operator : SY/AP
 Sample : J5182-08
 Misc : 3.51G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 07:04:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 04 07:04:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	198358	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	151999	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	44805	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	40312	15.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.76%
7) Chloroethane-d5	2.90	69	39089	19.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.24%
10) 1,1-Dichloroethene-d2	4.01	63	70169	12.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.84%
20) 2-Butanone-d5	7.10	46	8997	11.08	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	22.16%
24) Chloroform-d	7.65	84	128570	25.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.92%
26) 1,2-Dichloroethane-d4	8.31	65	74695	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.80%
29) Benzene-d6	8.27	84	184419	24.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.04%
33) 1,2-Dichloropropane-d6	9.27	67	64180	29.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.04%
37) Toluene-d8	10.33	98	141064	18.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.96%
38) trans-1,3-Dichloropropene-	10.59	79	18999	16.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.52%
39) 2-Hexanone-d5	10.93	63	3859	7.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	15.16%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44846	21.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	33778	21.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.24%

Target Compounds

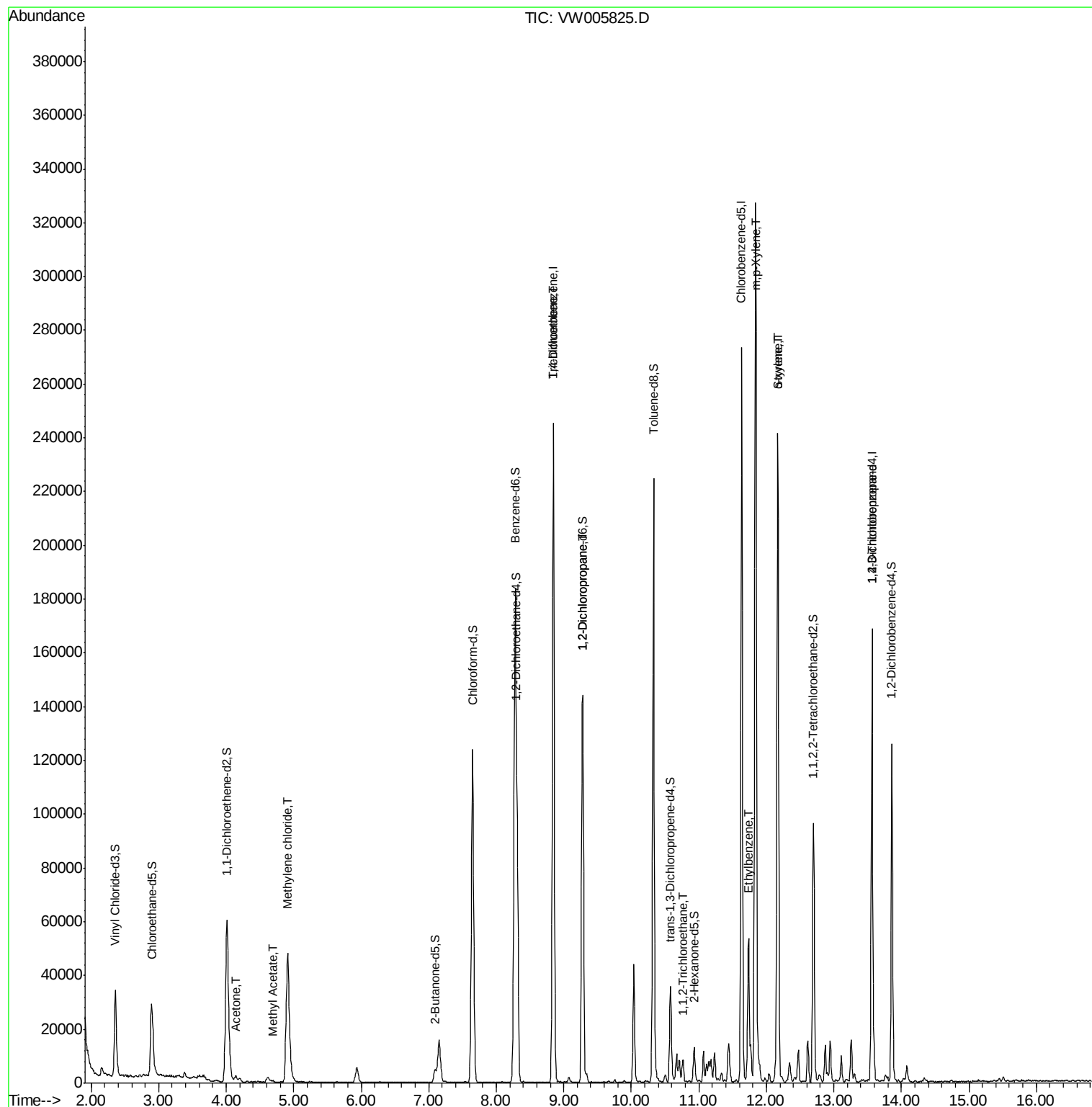
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.15	43	2379	2.814	ug/L	95
15) Methyl Acetate	4.69	43	950	0.633	ug/L #	67
16) Methylene chloride	4.92	84	38999	11.924	ug/L	94
35) Trichloroethene	8.84	95	6368	2.772	ug/L #	5
40) 1,2-Dichloropropane	9.28	63	7991	3.818	ug/L #	87
46) 1,1,2-Trichloroethane	10.77	97	2605	1.492	ug/L #	24
53) Ethylbenzene	11.74	91	32871	2.991	ug/L	97
54) m,p-Xylene	11.84	106	93943	22.691	ug/L	98
55) o-xylene	12.17	106	60815	15.585	ug/L	98
56) Styrene	12.18	104	4362	0.637	ug/L #	1
59) 1,2,3-Trichloropropane	13.57	75	4835	2.673	ug/L	94

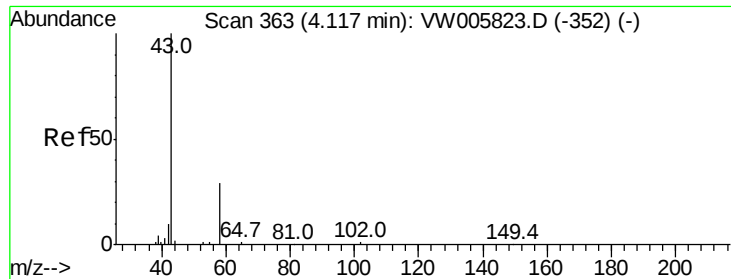
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 04 07:04:02 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.814 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW005825.D

Acq: 03 Oct 2018 21:35

Instrument :

MSVOA_W

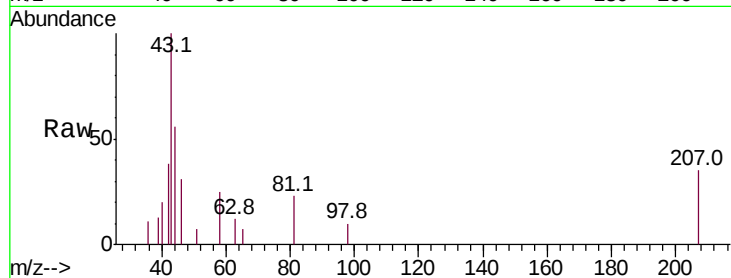
ClientSampled :

Tot Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

58 18.0 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

800

600

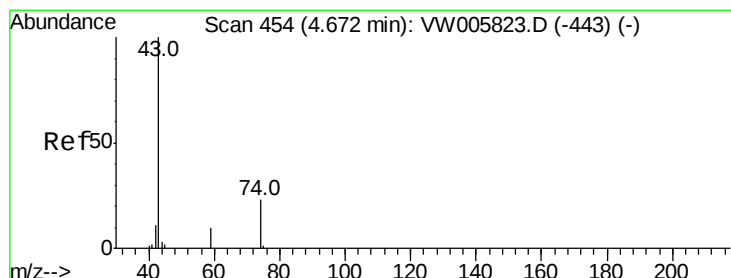
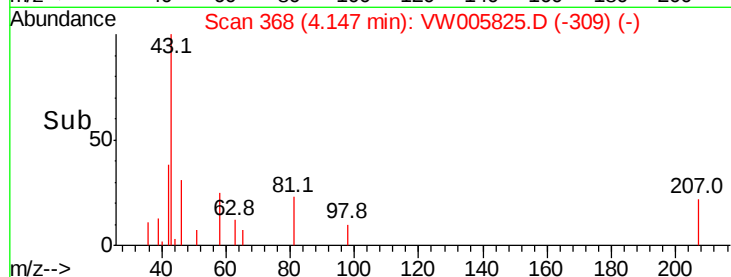
400

200

0

Time-->

4.05 4.10 4.15 4.20 4.25



#15

Methyl Acetate

Concen: 0.633 ug/L

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW005825.D

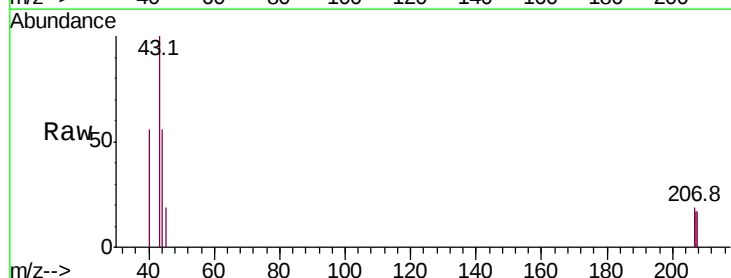
Acq: 03 Oct 2018 21:35

Tgt Ion: 43 Resp: 950

Ion Ratio Lower Upper

43 100

74 7.9 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.69

300

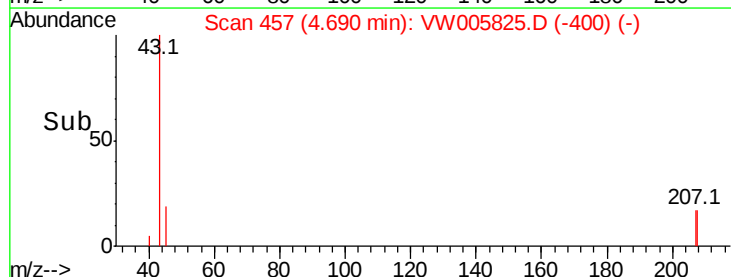
200

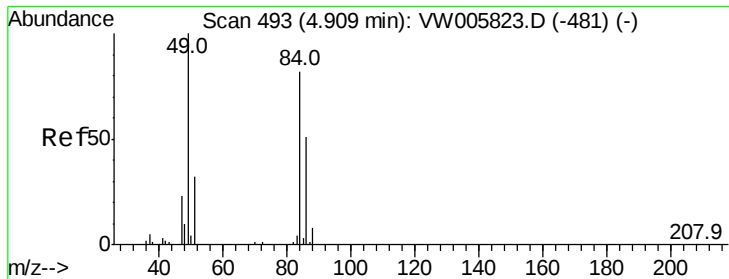
100

0

Time-->

4.60 4.65 4.70 4.75

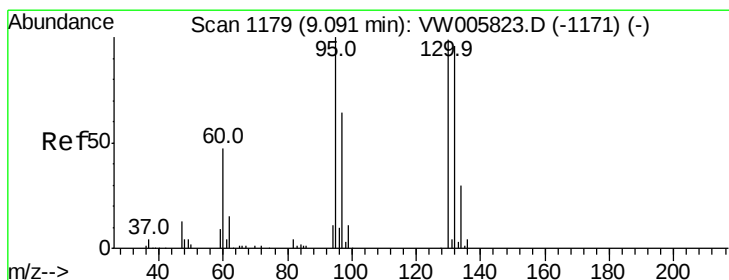
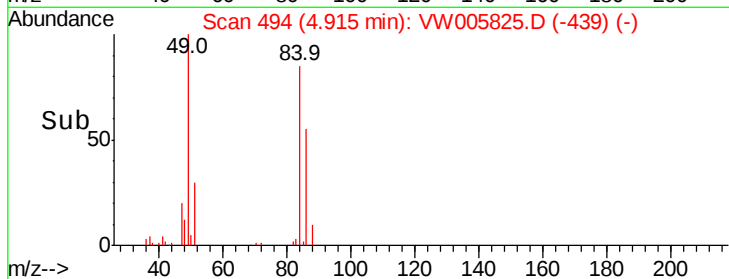
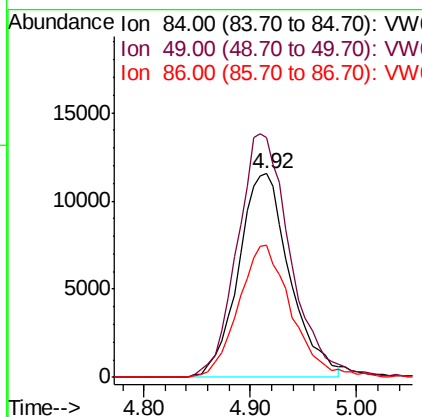
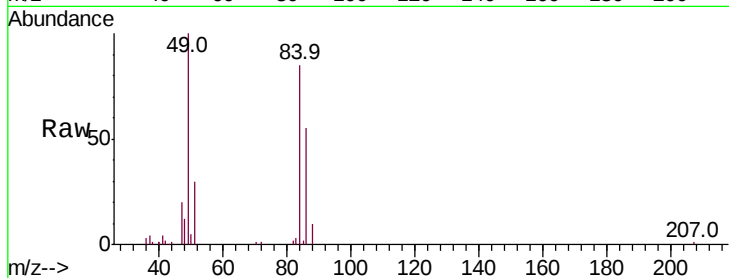




#16
Methylene chloride
Concen: 11.924 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005825.D
Acq: 03 Oct 2018 21:35

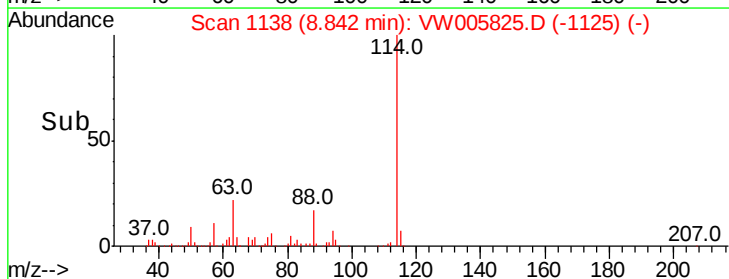
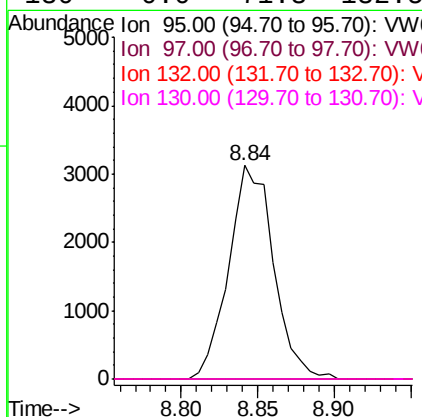
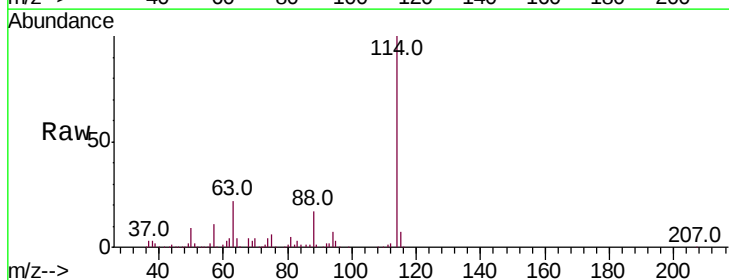
Instrument :
MSVOA_W
ClientSampleId :

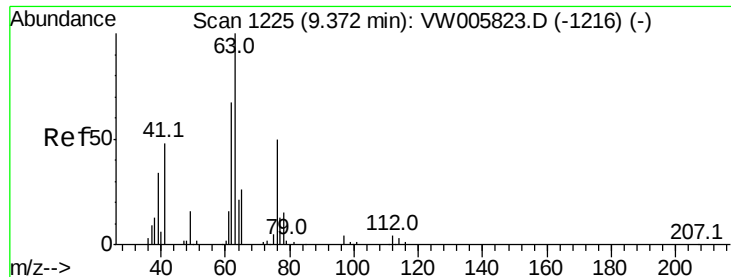
Tot Ion: 84 Resp: 38999
Ion Ratio Lower Upper
84 100
49 117.8 87.2 162.0
86 65.2 43.2 80.2



#35
Trichloroethene
Concen: 2.772 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW005825.D
Acq: 03 Oct 2018 21:35

Tgt Ion: 95 Resp: 6368
Ion Ratio Lower Upper
95 100
97 0.0 45.2 84.0#
132 0.0 68.0 126.4#
130 0.0 71.3 132.5#





#40

1,2-Dichloropropane

Concen: 3.818 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW005825.D

Acq: 03 Oct 2018 21:35

Instrument :

MSVOA_W

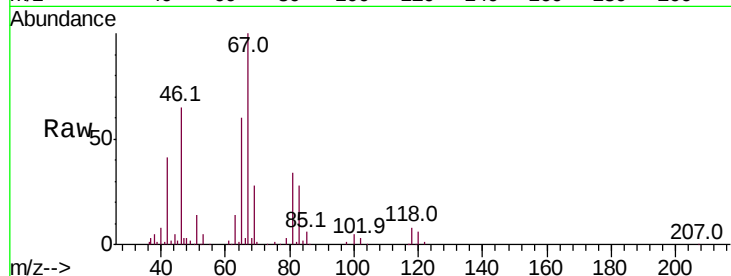
ClientSampleId :

Tot Ion: 63 Resp: 7991

Ion Ratio Lower Upper

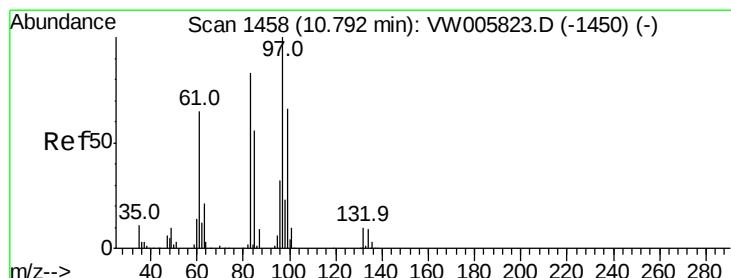
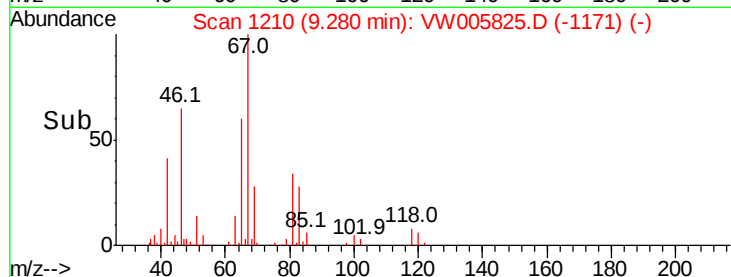
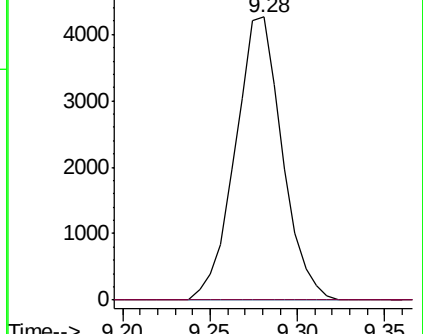
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#46

1,1,2-Trichloroethane

Concen: 1.492 ug/L

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW005825.D

Acq: 03 Oct 2018 21:35

Tgt Ion: 97 Resp: 2605

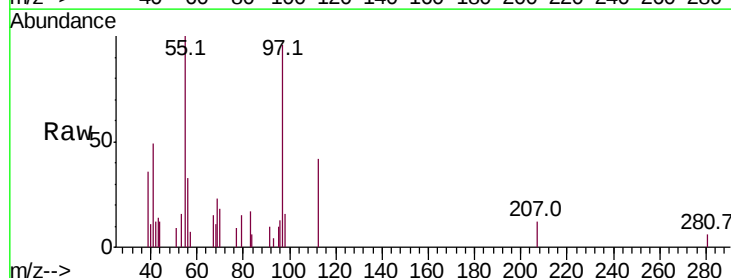
Ion Ratio Lower Upper

97 100

83 17.7 58.3 108.3#

85 0.0 38.0 70.6#

99 0.0 42.8 79.4#

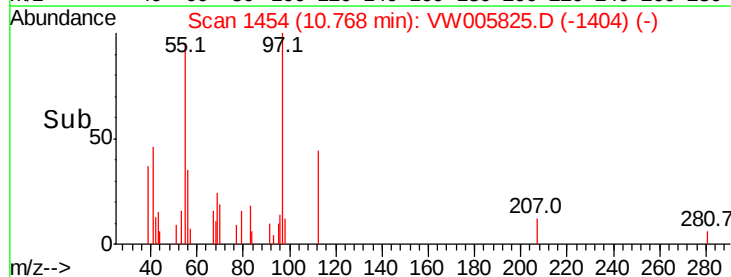
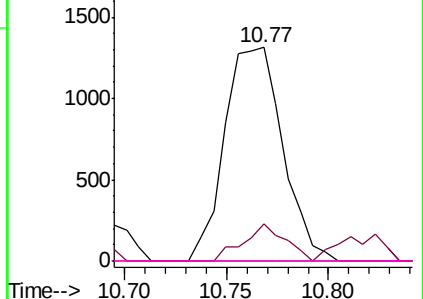


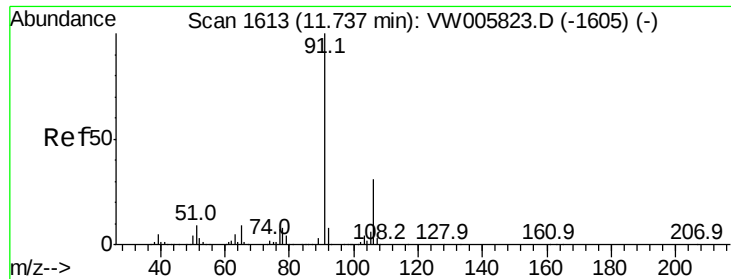
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#53

Ethylbenzene

Concen: 2.991 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005825.D

Acq: 03 Oct 2018 21:35

Instrument :

MSVOA_W

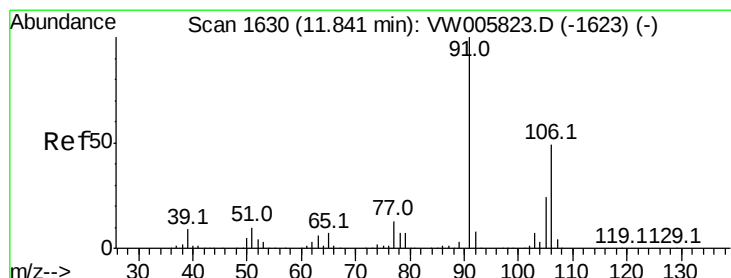
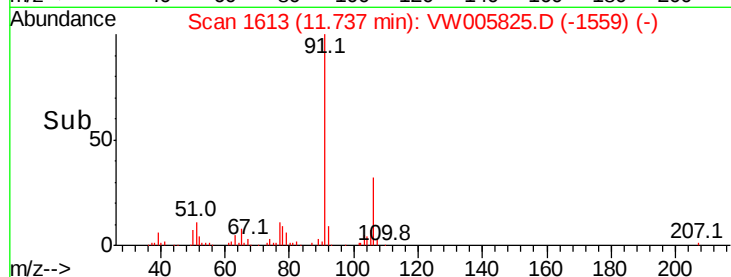
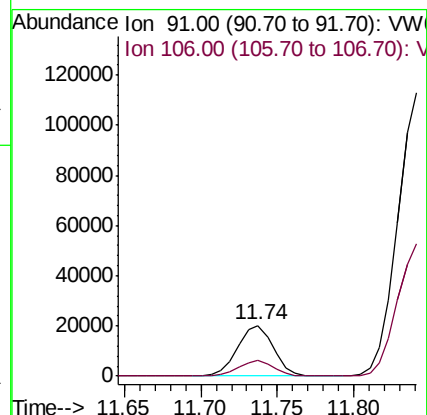
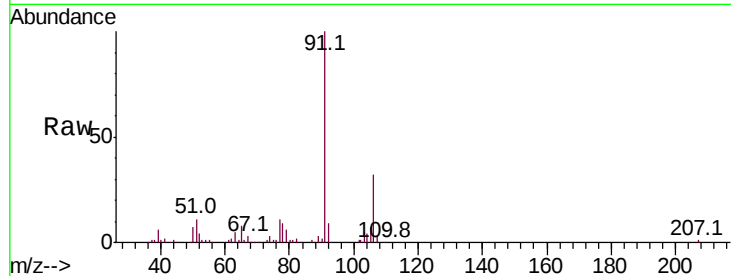
ClientSampleId :

Tot Ion: 91 Resp: 32871

Ion Ratio Lower Upper

91 100

106 32.4 21.5 39.9



#54

m,p-Xylene

Concen: 22.691 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW005825.D

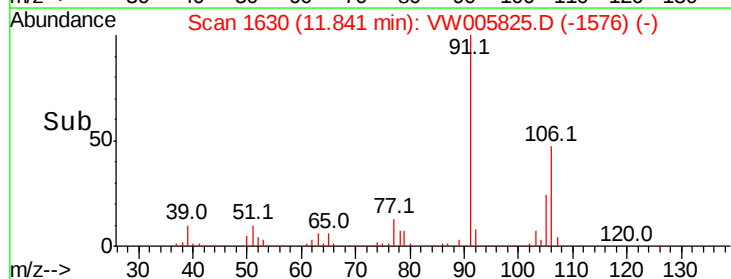
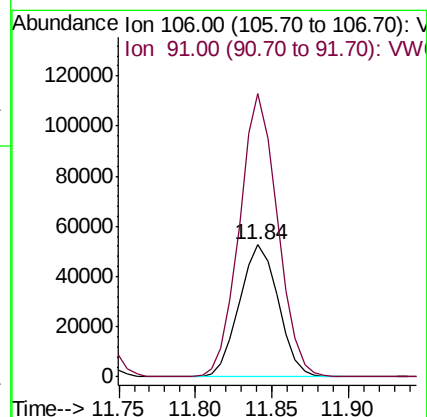
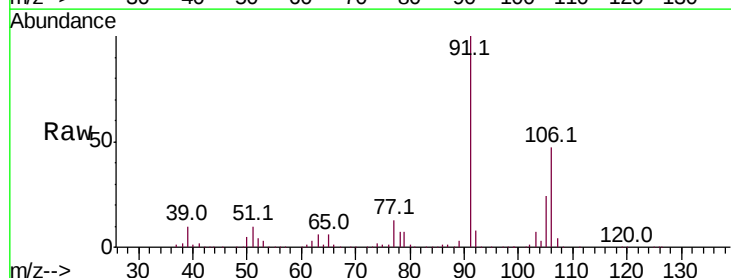
Acq: 03 Oct 2018 21:35

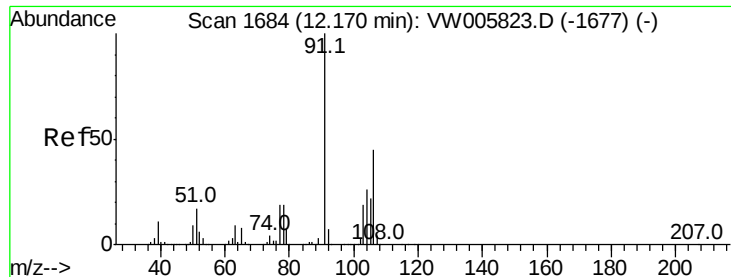
Tgt Ion: 106 Resp: 93943

Ion Ratio Lower Upper

106 100

91 214.0 147.7 274.3





#55

o-xylene

Concen: 15.585 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005825.D

Acq: 03 Oct 2018 21:35

Instrument :

MSVOA_W

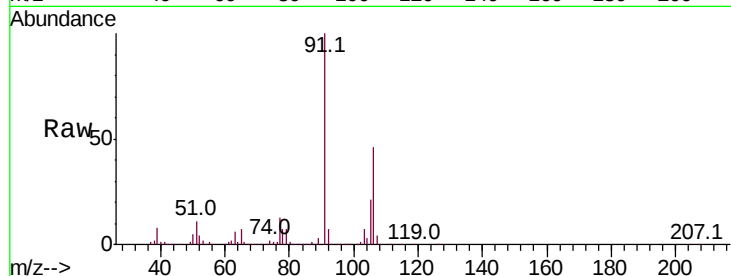
ClientSampled :

Tot Ion:106 Resp: 60815

Ion Ratio Lower Upper

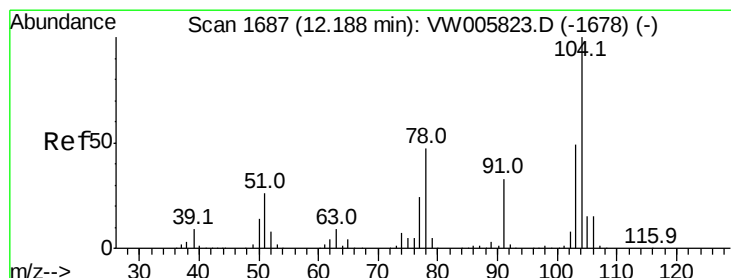
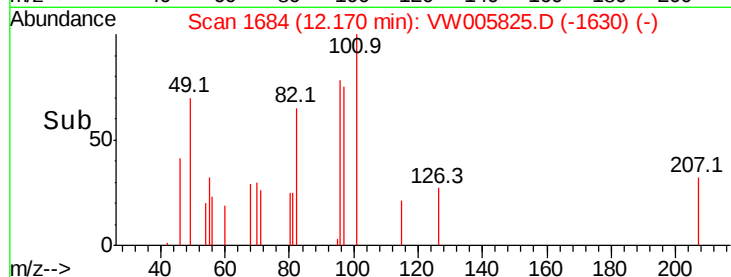
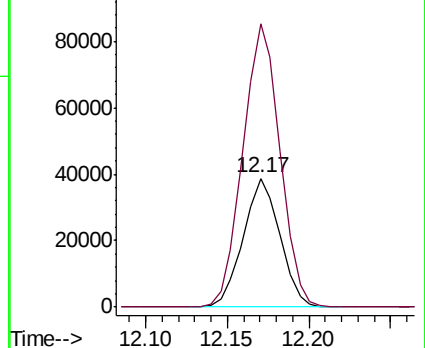
106 100

91 219.6 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 0.637 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW005825.D

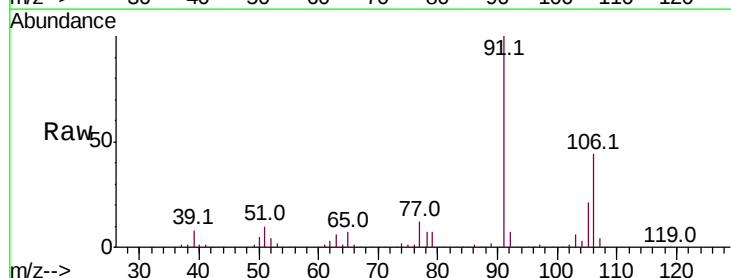
Acq: 03 Oct 2018 21:35

Tgt Ion:104 Resp: 4362

Ion Ratio Lower Upper

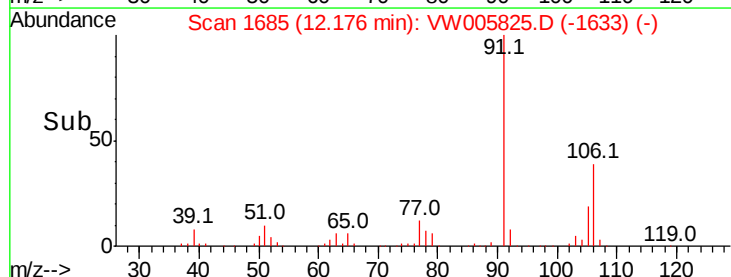
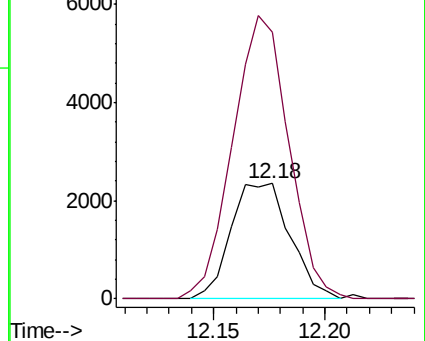
104 100

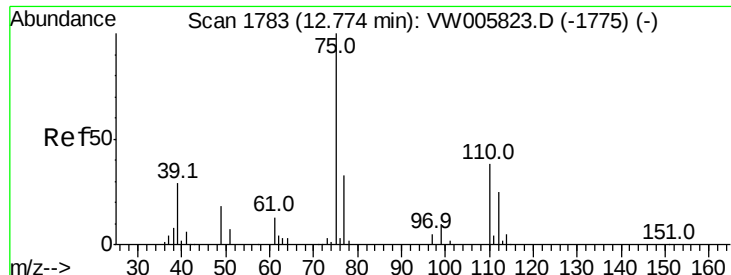
78 230.9 32.2 59.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#59

1,2,3-Trichloropropane

Concen: 2.673 ug/L

RT: 13.57 min Scan# 1913

Delta R.T. 0.79 min

Lab File: VW005825.D

Acq: 03 Oct 2018 21:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 4835

Ion Ratio Lower Upper

75 100

77 34.8 25.2 37.8

