

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010068.D
 Acq On : 19 Apr 2019 15:46
 Operator : SY/VA
 Sample : K2455-18
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 20 03:54:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 20 03:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	227068	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	209917	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	81880	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38913	18.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.52%
7) Chloroethane-d5	2.88	69	33397	15.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.48%
10) 1,1-Dichloroethene-d2	4.00	63	77723	13.06	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.24%
20) 2-Butanone-d5	7.08	46	35518	30.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.20%
24) Chloroform-d	7.65	84	100110	15.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	61.00%
26) 1,2-Dichloroethane-d4	8.31	65	60950	14.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	59.84%#
29) Benzene-d6	8.27	84	197790	17.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.60%
33) 1,2-Dichloropropane-d6	9.27	67	64605	17.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	70.32%
37) Toluene-d8	10.32	98	163825	15.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	62.28%
38) trans-1,3-Dichloropropene-	10.57	79	25845	14.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.36%
39) 2-Hexanone-d5	10.93	63	26777	32.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	53946	15.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	62.80%
61) 1,2-Dichlorobenzene-d4	13.62	152	232	0.08	ug/L	-0.24
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.32%#

Target Compounds

					Ovalue
13) Acetone	4.12	43	7462	7.229	ug/L 63
16) Methylene chloride	4.90	84	7654	1.862	ug/L 89
44) Toluene	10.39	91	55705	4.246	ug/L 99
46) 1,1,2-Trichloroethane	10.76	97	5185	2.033	ug/L # 28
49) 2-Hexanone	10.93	43	45127	23.583	ug/L # 34
53) Ethylbenzene	11.73	91	45936	3.133	ug/L 99
54) m,p-Xylene	11.84	106	173294	32.310	ug/L 94
55) o-xylene	12.16	106	90710	17.634	ug/L 97
56) Styrene	12.18	104	213493	23.707	ug/L 99
57) Isopropylbenzene	12.46	105	26025	1.899	ug/L # 84
58) 1,1,2,2-Tetrachloroethane	12.69	83	23753	7.079	ug/L # 55
66) 1,2-Dibromo-3-chloropropan	14.46	75	15657	31.874	ug/L # 13
68) 1,2,4-trichlorobenzene	15.14	180	1556	0.524	ug/L # 1
69) Naphthalene	15.37	128	7352367	1154.023	ug/L 98
70) 1,2,3-Trichlorobenzene	15.53	180	17967	6.343	ug/L # 1

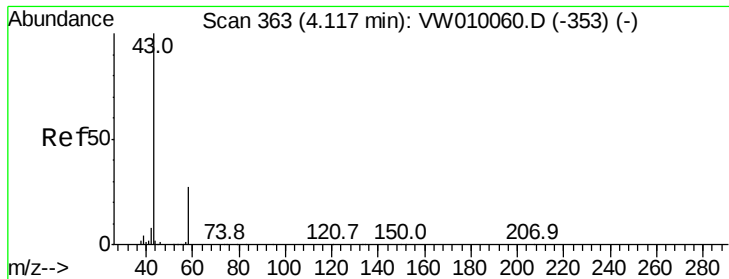
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010068.D
Acq On : 19 Apr 2019 15:46
Operator : SY/VA
Sample : K2455-18
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Apr 20 03:54:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

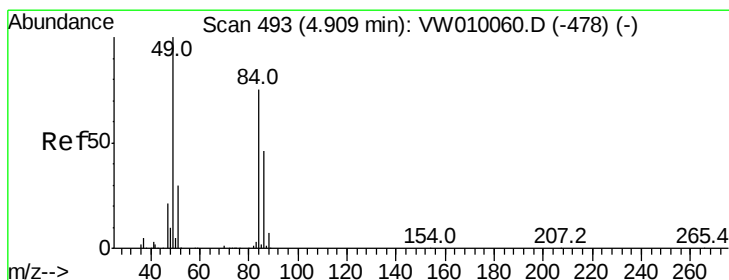
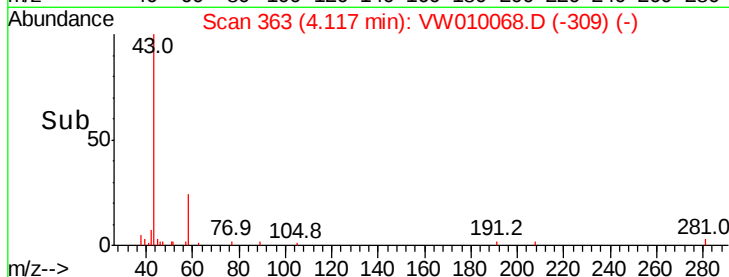
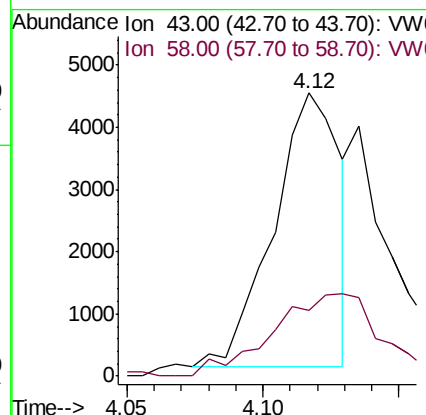
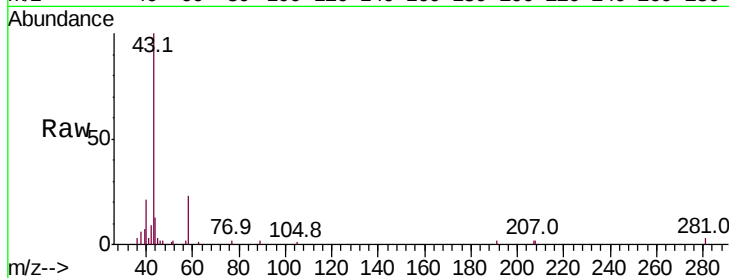
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#13
Acetone
Concen: 7.229 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

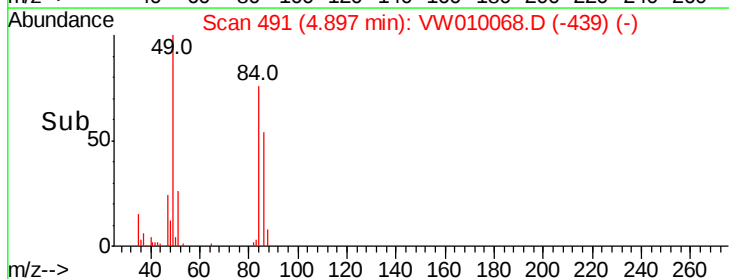
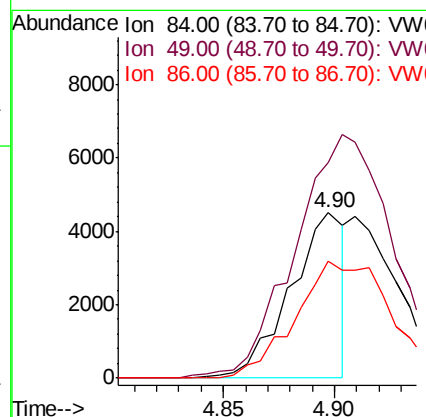
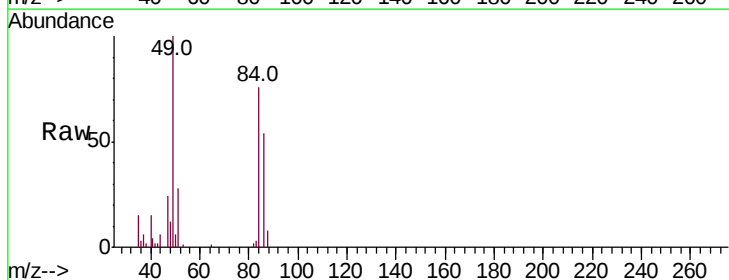
Instrument :
MSVOA_W
ClientSampled :

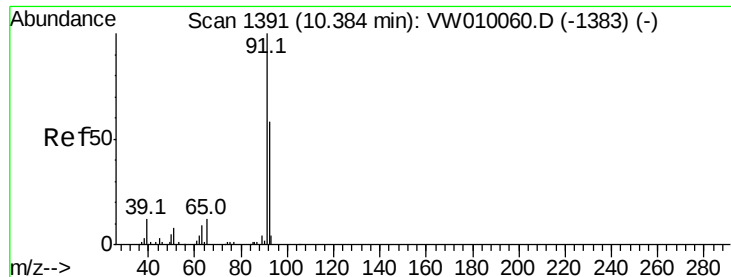
Tot Ion: 43 Resp: 7462
Ion Ratio Lower Upper
43 100
58 47.8 0.0 56.2



#16
Methylene chloride
Concen: 1.862 ug/L
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

Tgt Ion: 84 Resp: 7654
Ion Ratio Lower Upper
84 100
49 130.7 100.7 187.1
86 70.5 43.8 81.3





#44

Toluene

Concen: 4.246 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Instrument :

MSVOA_W

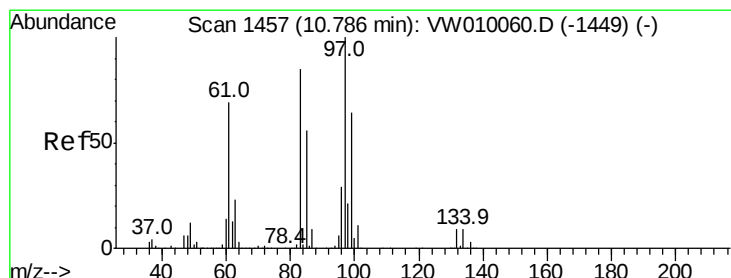
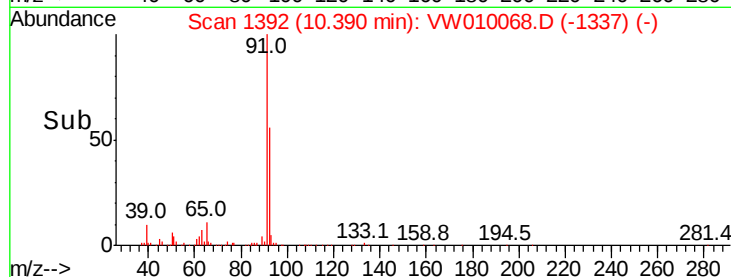
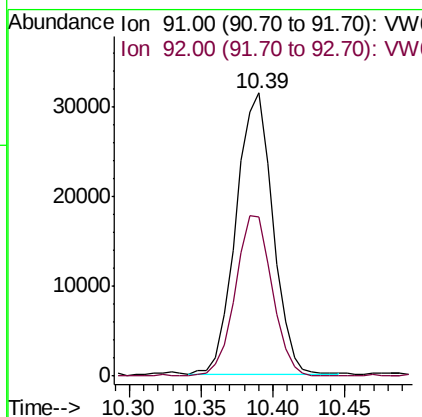
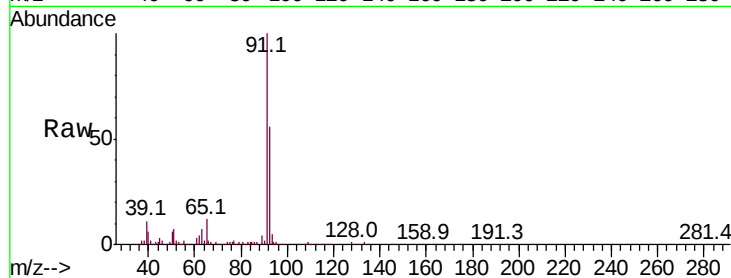
ClientSampleId :

Tot Ion: 91 Resp: 55705

Ion Ratio Lower Upper

91 100

92 56.3 39.8 74.0



#46

1,1,2-Trichloroethane

Concen: 2.033 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Tgt Ion: 97 Resp: 5185

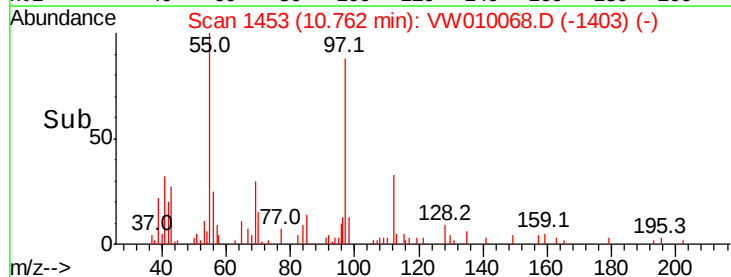
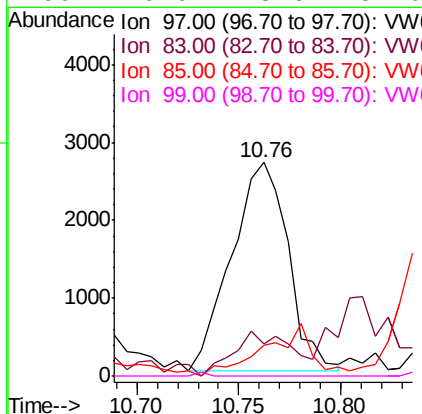
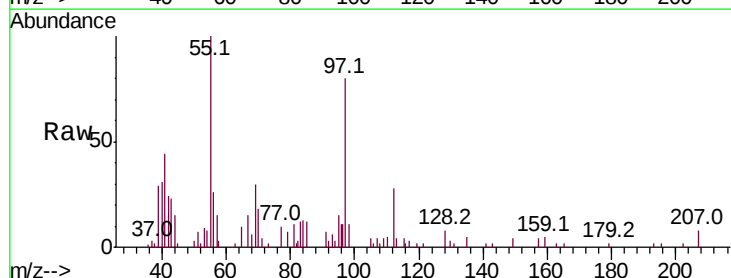
Ion Ratio Lower Upper

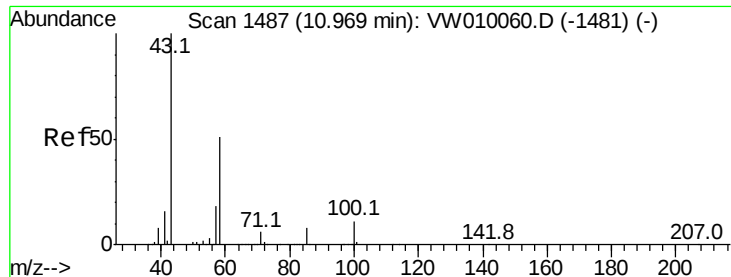
97 100

83 15.2 59.1 109.7#

85 14.6 39.3 73.1#

99 0.0 43.6 81.0#





#49

2-Hexanone

Concen: 23.583 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 45127

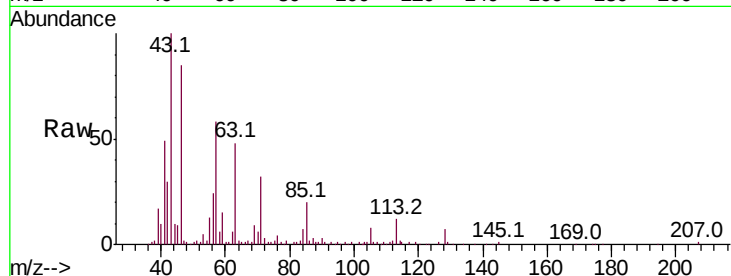
Ion Ratio Lower Upper

43 100

58 5.7 39.8 59.8#

57 58.4 14.1 21.1#

100 0.2 8.4 12.6#



Abundance

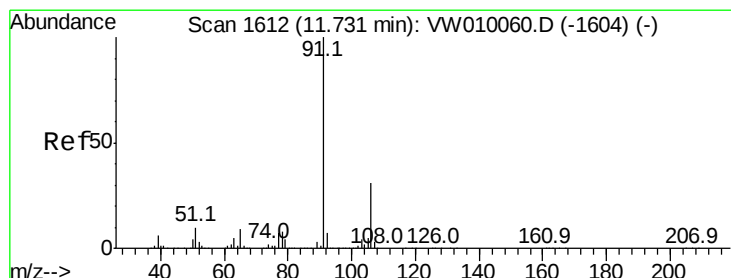
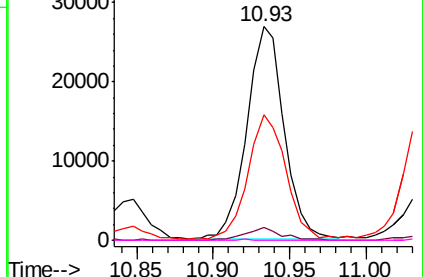
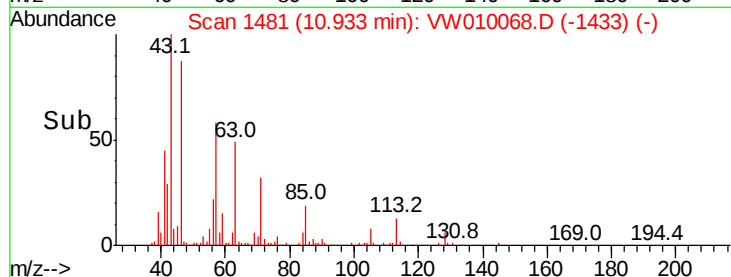
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#53

Ethylbenzene

Concen: 3.133 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010068.D

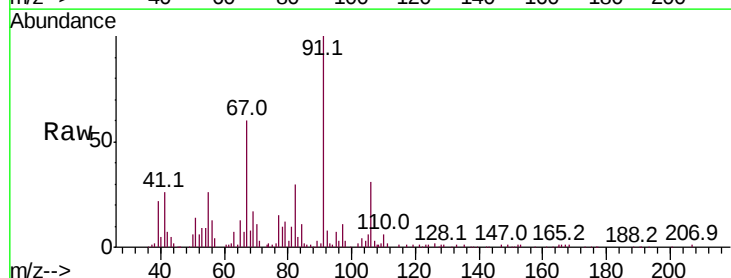
Acq: 19 Apr 2019 15:46

Tgt Ion: 91 Resp: 45936

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4

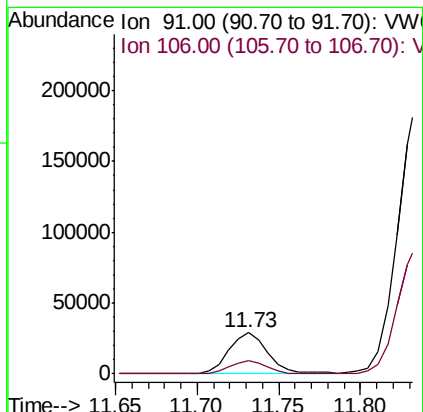
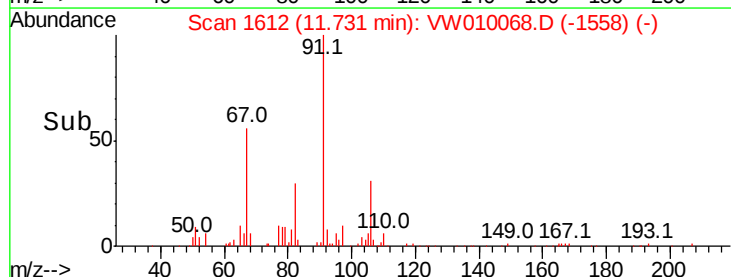


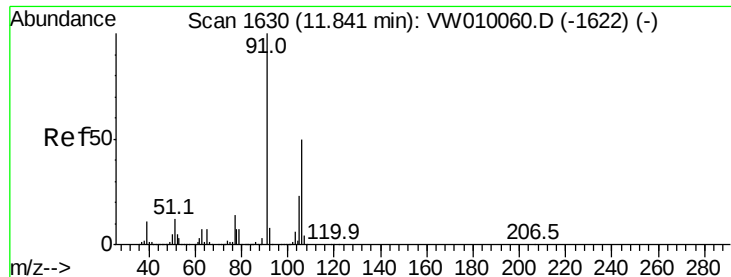
Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW

Time-->





#54

m,p-Xylene

Concen: 32.310 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Instrument :

MSVOA_W

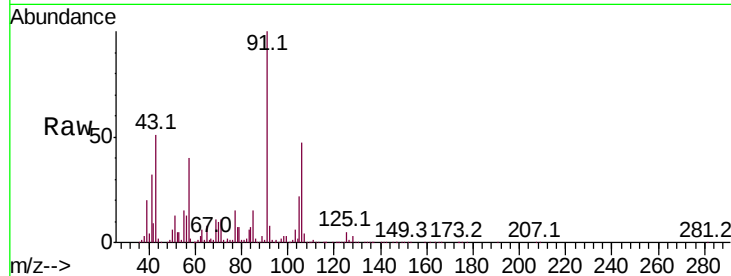
ClientSampleId :

Tot Ion:106 Resp: 173294

Ion Ratio Lower Upper

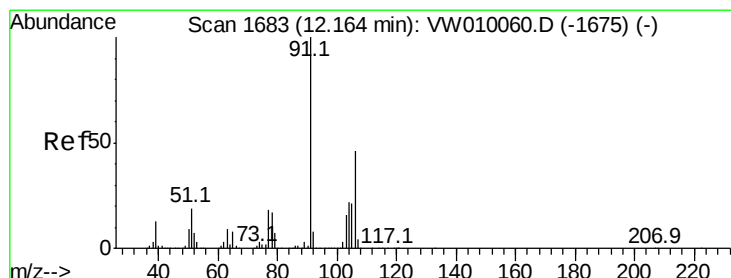
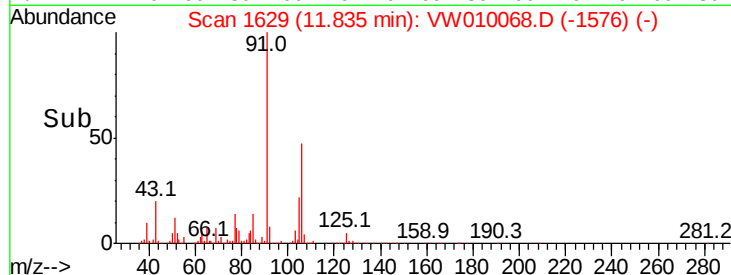
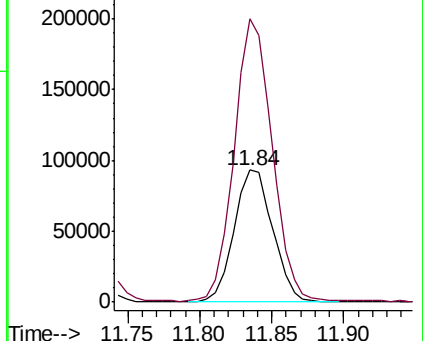
106 100

91 214.1 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 17.634 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010068.D

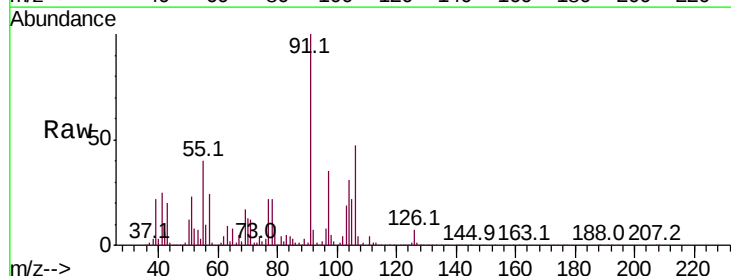
Acq: 19 Apr 2019 15:46

Tgt Ion:106 Resp: 90710

Ion Ratio Lower Upper

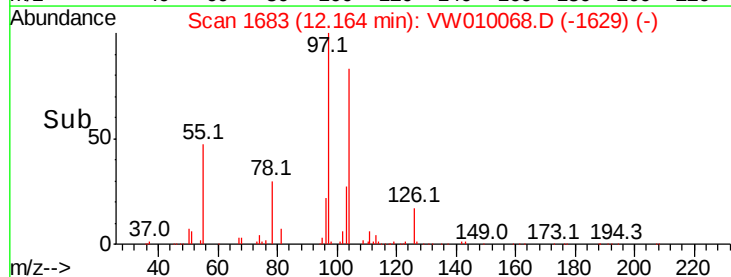
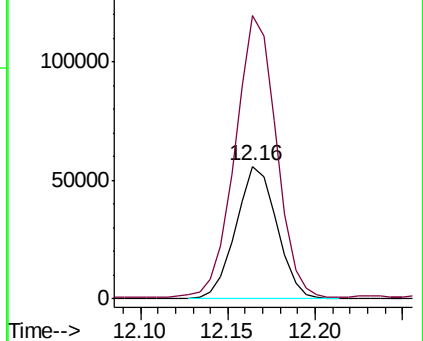
106 100

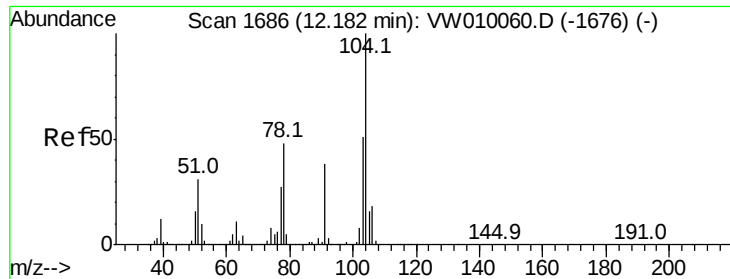
91 213.1 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 23.707 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Instrument :

MSVOA_W

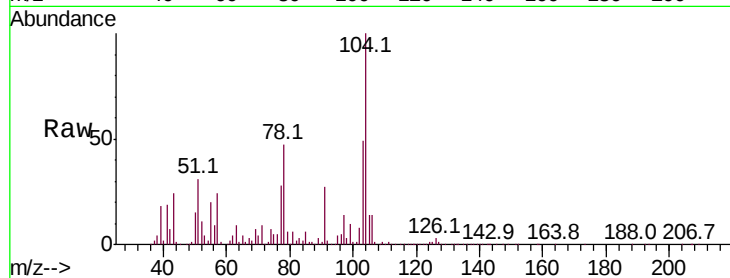
ClientSampled :

Tot Ion:104 Resp: 213493

Ion Ratio Lower Upper

104 100

78 47.1 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

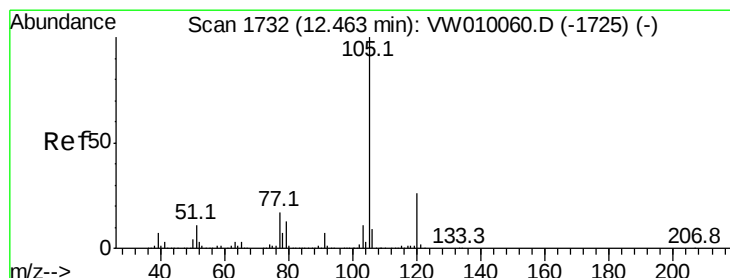
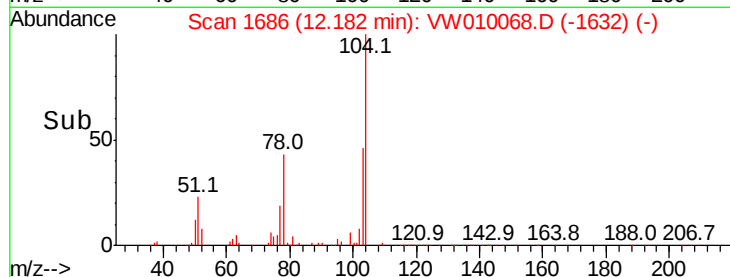
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 1.899 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

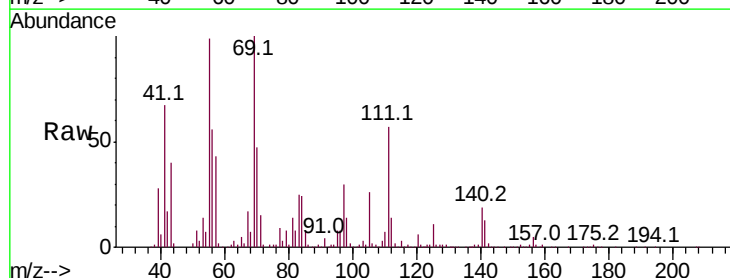
Tgt Ion:105 Resp: 26025

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

77 33.9 13.4 20.2#



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): VW

25000

20000

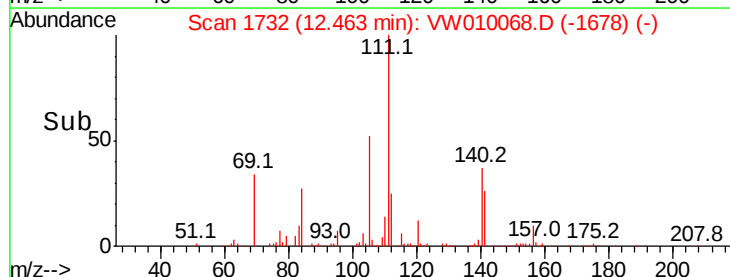
15000

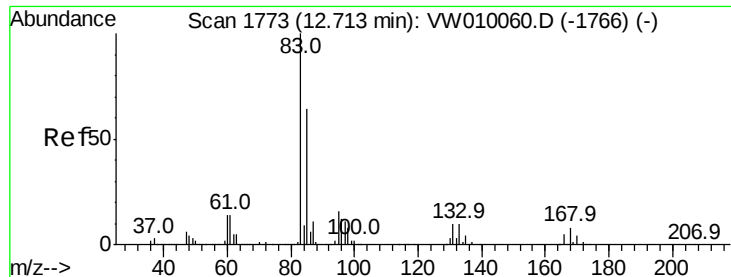
10000

5000

0

Time-->

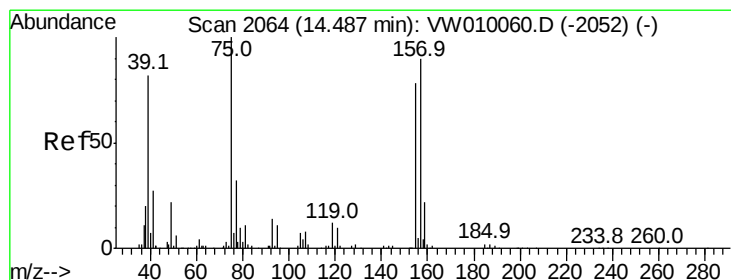
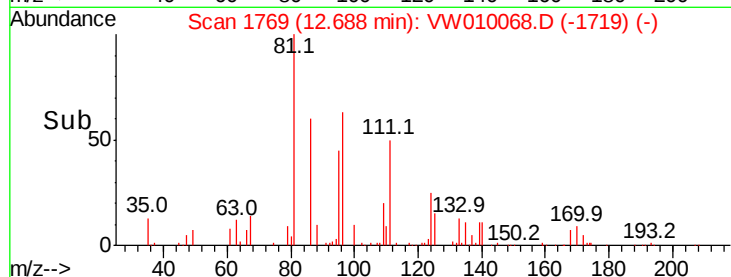
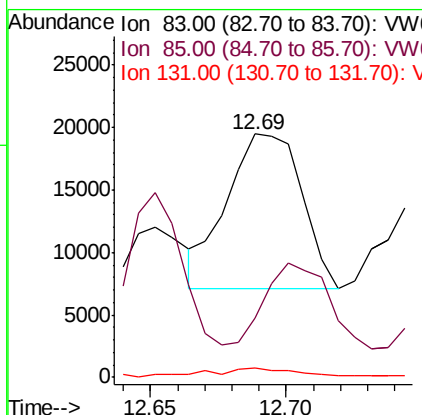
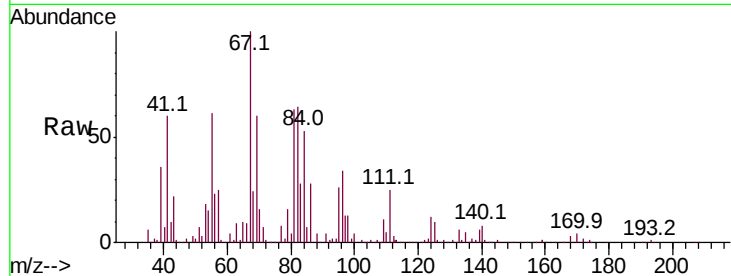




#58
 1,1,2,2-Tetrachloroethane
 Concen: 7.079 ug/L
 RT: 12.69 min Scan# 1769
 Delta R.T. -0.02 min
 Lab File: VW010068.D
 Acq: 19 Apr 2019 15:46

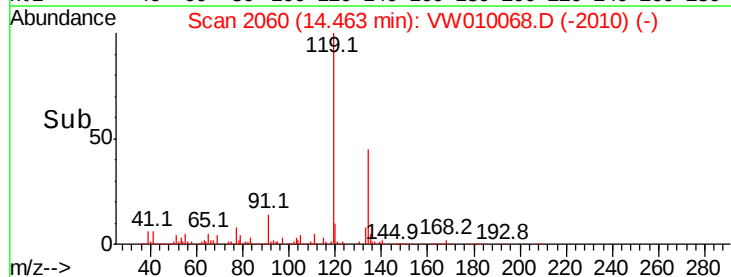
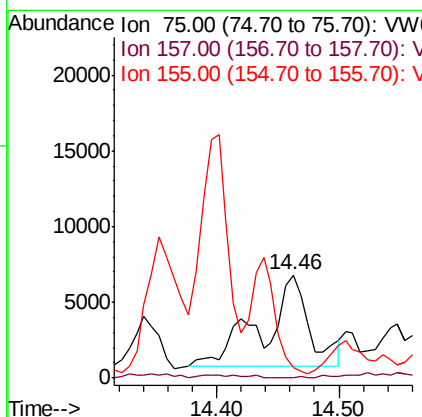
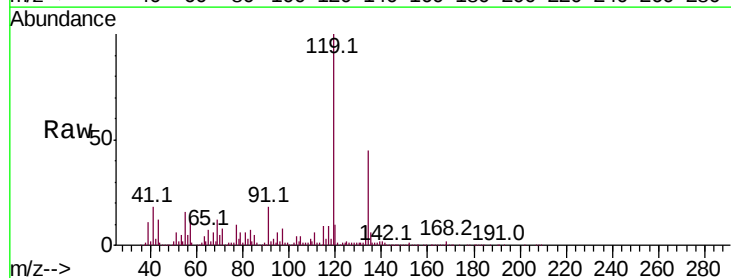
Instrument :
 MSVOA_W
 ClientSampleId :

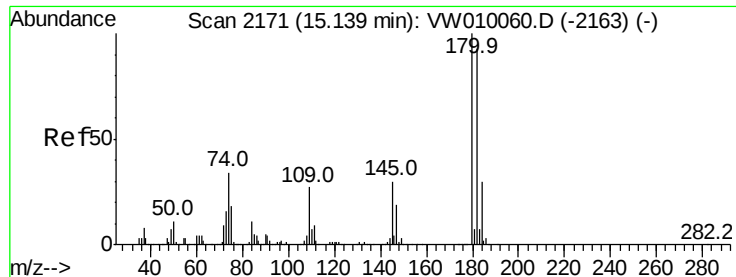
Tot Ion: 83 Resp: 23753
 Ion Ratio Lower Upper
 83 100
 85 24.1 44.1 81.9#
 131 4.1 8.3 12.5#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.874 ug/L
 RT: 14.46 min Scan# 2060
 Delta R.T. -0.02 min
 Lab File: VW010068.D
 Acq: 19 Apr 2019 15:46

Tgt Ion: 75 Resp: 15657
 Ion Ratio Lower Upper
 75 100
 157 0.0 73.3 109.9#
 155 10.6 58.6 88.0#





#68

1,2,4-trichlorobenzene

Concen: 0.524 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Instrument :

MSVOA_W

ClientSampleId :

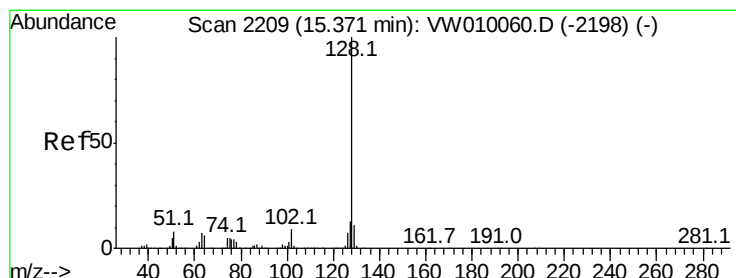
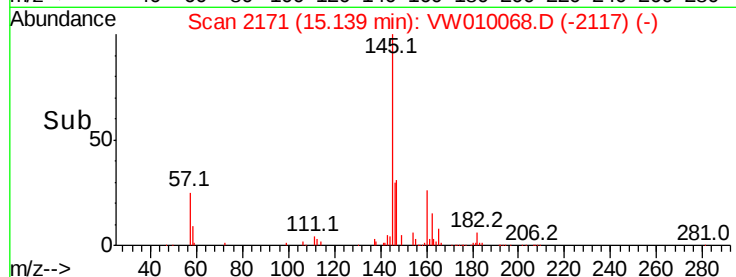
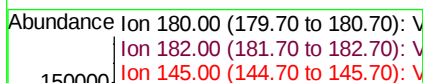
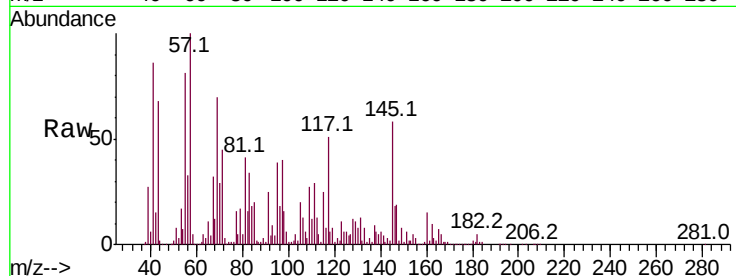
Tot Ion:180 Resp: 1556

Ion Ratio Lower Upper

180 100

182 1235.1 75.4 113.0#

145 20966.1 25.0 37.4#



#69

Naphthalene

Concen: 1154.023 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

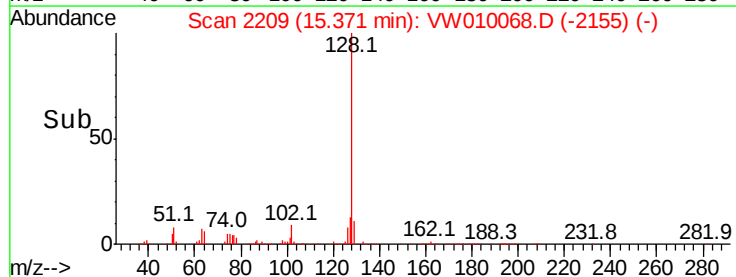
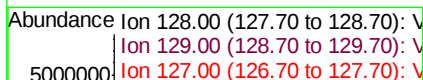
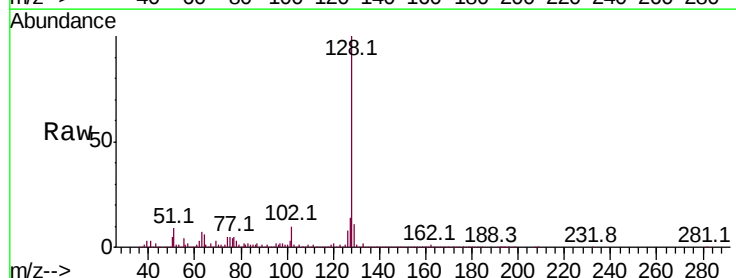
Tgt Ion:128 Resp: 7352367

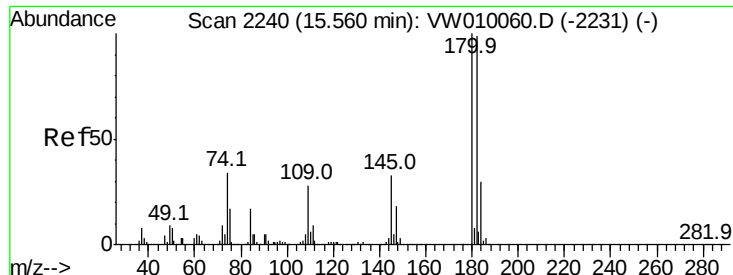
Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

127 14.0 10.6 16.0





#70

1,2,3-Trichlorobenzene

Concen: 6.343 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW010068.D

Acq: 19 Apr 2019 15:46

Instrument :

MSVOA_W

ClientSampleId :

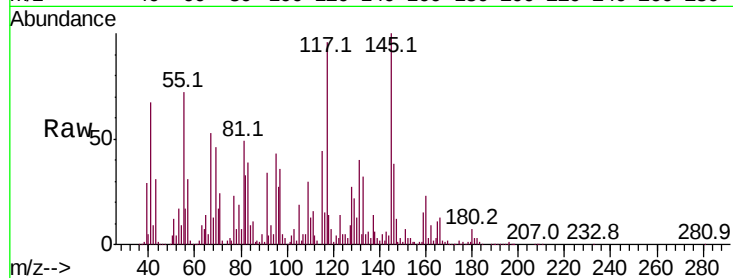
Tot Ion:180 Resp: 17967

Ion Ratio Lower Upper

180 100

182 38.7 76.0 114.0#

145 1908.8 26.3 39.5#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

