

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010065.D
 Acq On : 19 Apr 2019 14:21
 Operator : SY/VA
 Sample : K2455-15
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 20 03:53:44 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	671609	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	586343	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194802	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153377	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.68%
7) Chloroethane-d5	2.89	69	143900	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.01	63	325388	18.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.96%
20) 2-Butanone-d5	7.08	46	139967	40.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.54%
24) Chloroform-d	7.64	84	445814	22.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	8.31	65	263287	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.40%
29) Benzene-d6	8.27	84	846283	26.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.04%
33) 1,2-Dichloropropane-d6	9.27	67	267028	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.08%
37) Toluene-d8	10.32	98	714820	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.28%
38) trans-1,3-Dichloropropene-	10.58	79	106672	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	102439	45.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	195564	20.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	170662	23.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
13) Acetone	4.12	43	92766	30.385	ug/L 99
14) Carbon disulfide	4.37	76	21863	0.951	ug/L 99
16) Methylene chloride	4.91	84	45182	3.715	ug/L 93
21) 2-Butanone	7.17	43	34504	8.631	ug/L 100
53) Ethylbenzene	11.73	91	7646203	186.686	ug/L 99
54) m,p-Xylene	11.84	106	21030	1.404	ug/L 89
55) o-xylene	12.16	106	404840	28.175	ug/L 97
56) Styrene	12.16	104	26497	1.053	ug/L # 1
57) Isopropylbenzene	12.46	105	977684	25.546	ug/L 99
58) 1,1,2,2-Tetrachloroethane	12.69	83	6014	0.642	ug/L # 74
59) 1,2,3-Trichloropropane	12.80	75	12408	1.769	ug/L # 1
66) 1,2-Dibromo-3-chloropropan	14.46	75	9908	8.478	ug/L # 13
68) 1,2,4-trichlorobenzene	15.15	180	14412	2.041	ug/L # 1
69) Naphthalene	15.38	128	308737	20.369	ug/L # 70
70) 1,2,3-Trichlorobenzene	15.53	180	40261	5.975	ug/L # 1

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Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

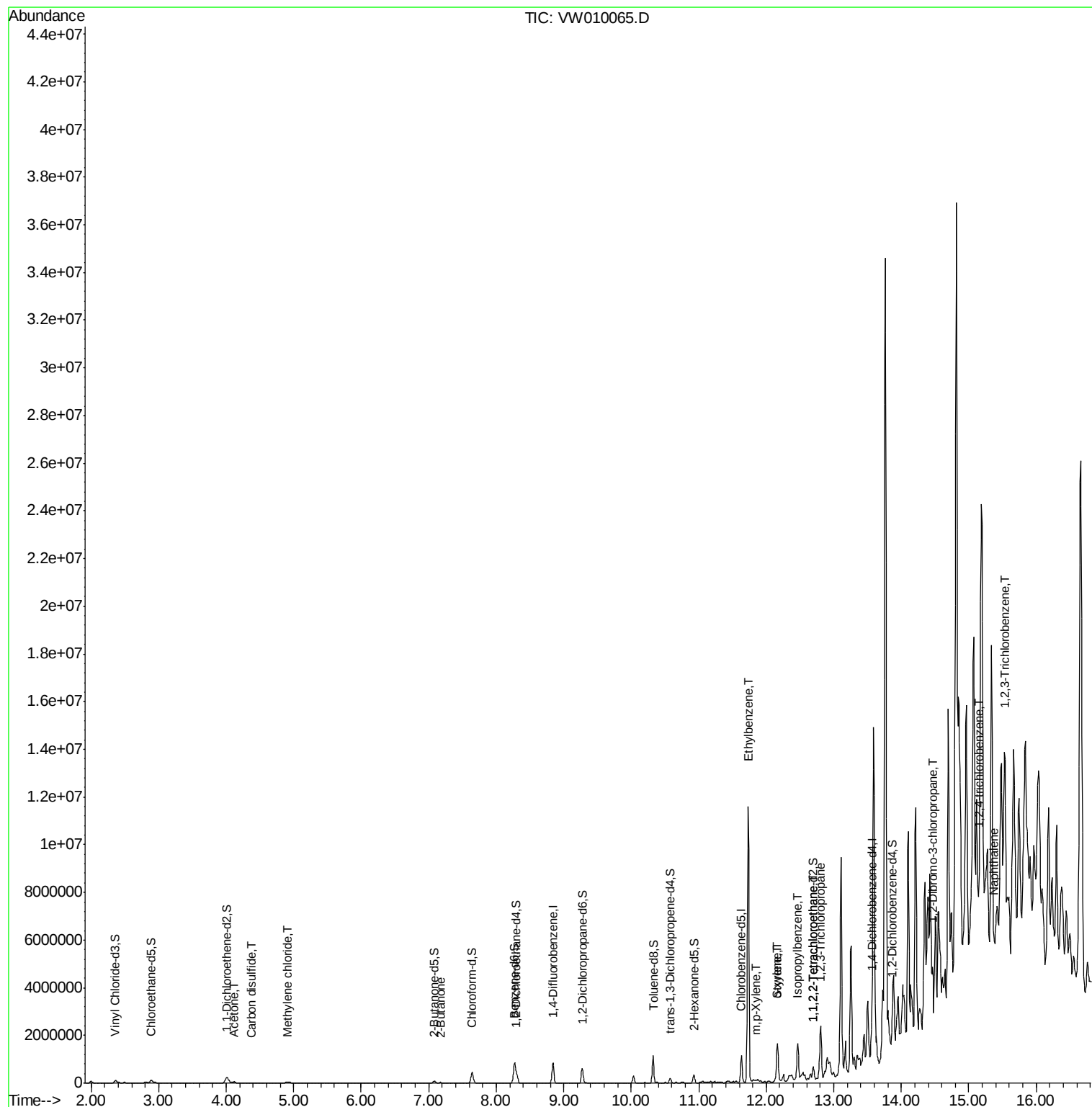
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

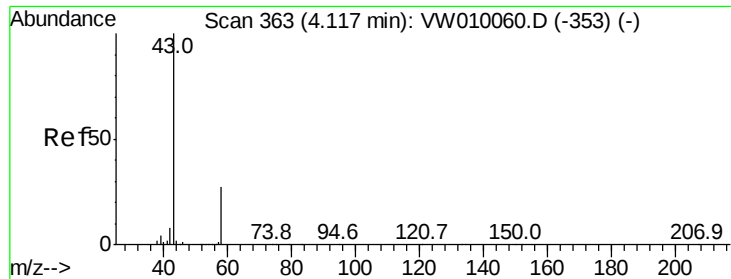
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#13

Acetone

Concen: 30.385 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

Instrument :

MSVOA_W

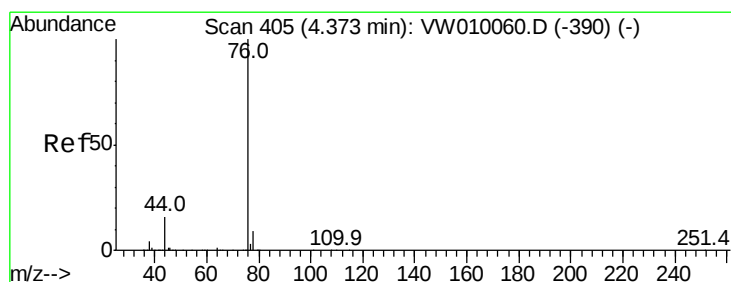
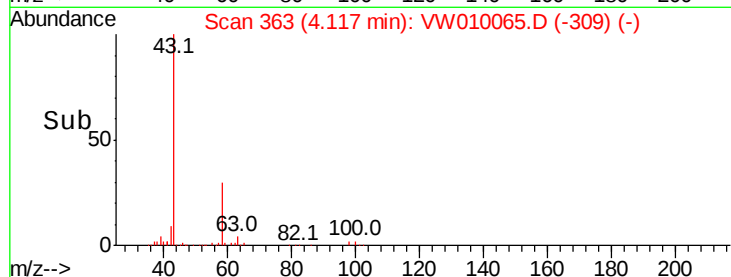
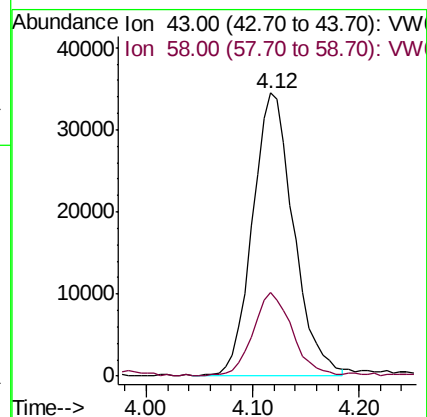
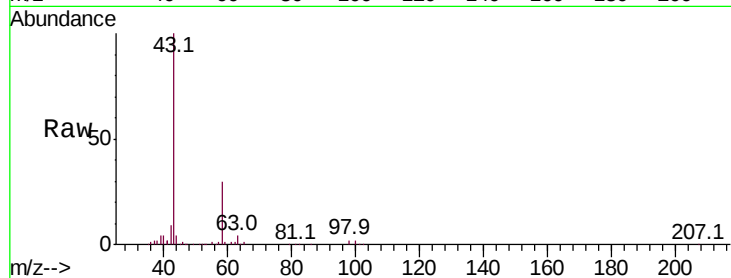
ClientSampleId :

Tot Ion: 43 Resp: 92766

Ion Ratio Lower Upper

43 100

58 28.5 0.0 56.2



#14

Carbon disulfide

Concen: 0.951 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010065.D

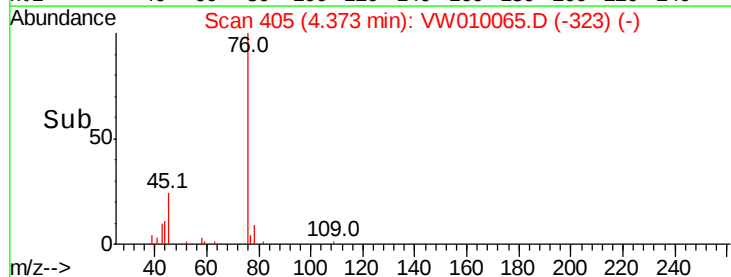
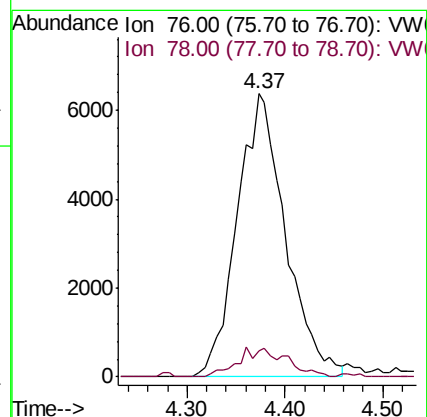
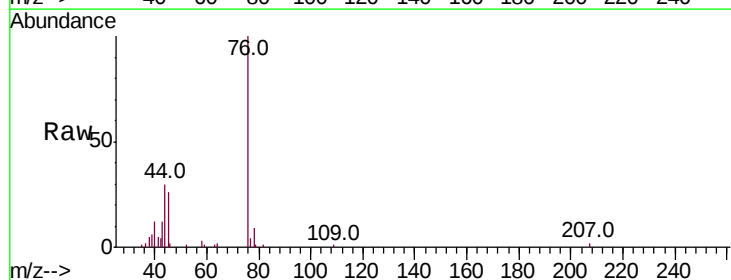
Acq: 19 Apr 2019 14:21

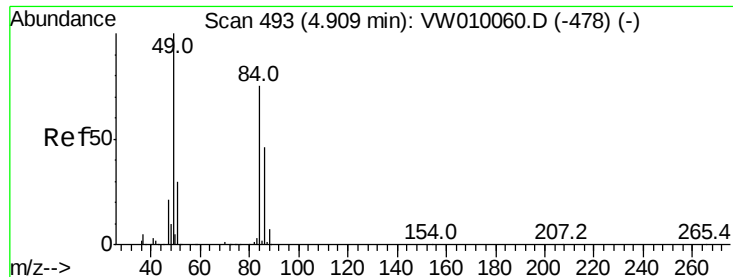
Tgt Ion: 76 Resp: 21863

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

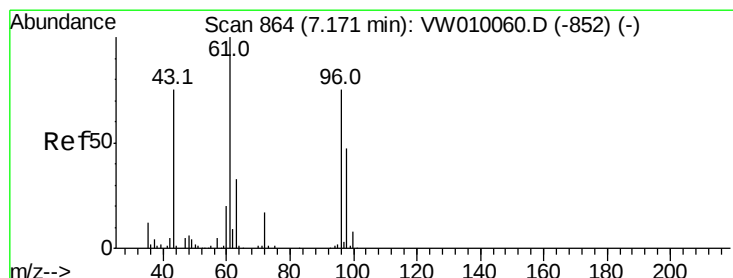
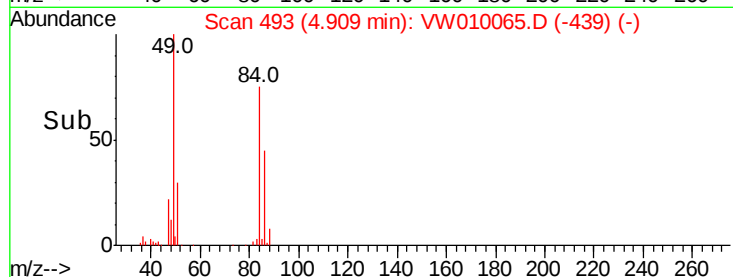
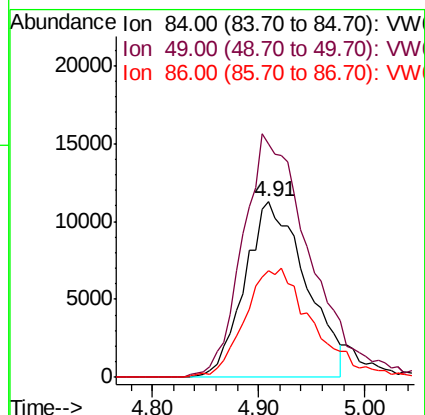
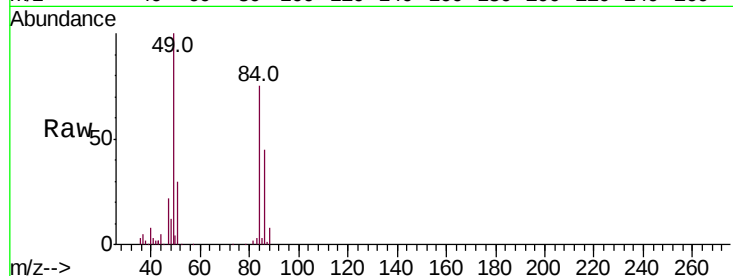




#16
Methvlene chloride
Concen: 3.715 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010065.D
Acq: 19 Apr 2019 14:21

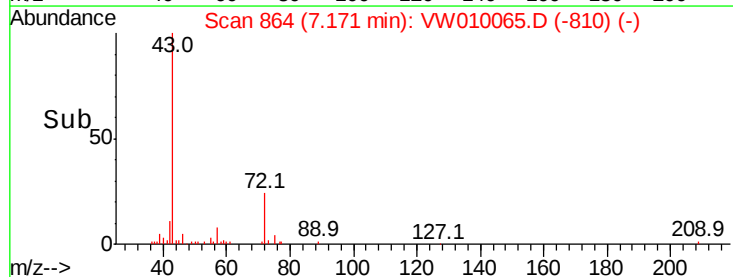
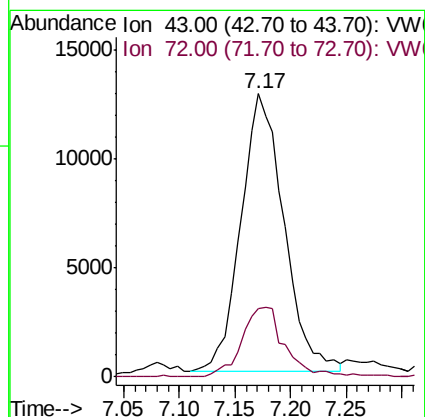
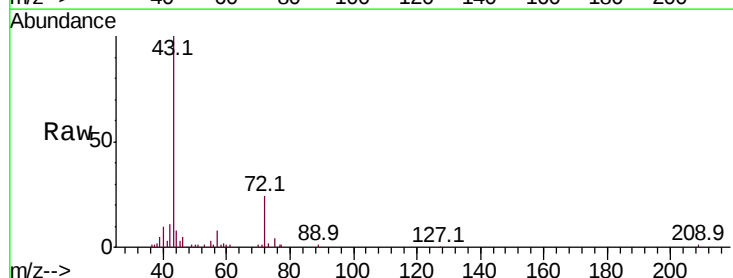
Instrument :
MSVOA_W
ClientSampleId :

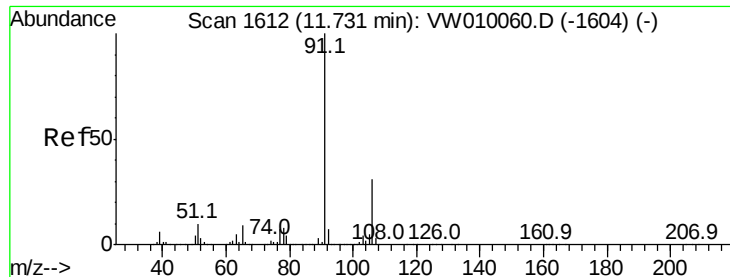
Tot Ion: 84 Resp: 45182
Ion Ratio Lower Upper
84 100
49 133.4 100.7 187.1
86 60.7 43.8 81.3



#21
2-Butanone
Concen: 8.631 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010065.D
Acq: 19 Apr 2019 14:21

Tgt Ion: 43 Resp: 34504
Ion Ratio Lower Upper
43 100
72 23.8 11.9 35.7

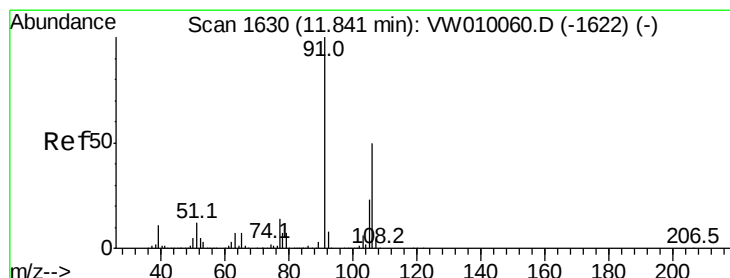
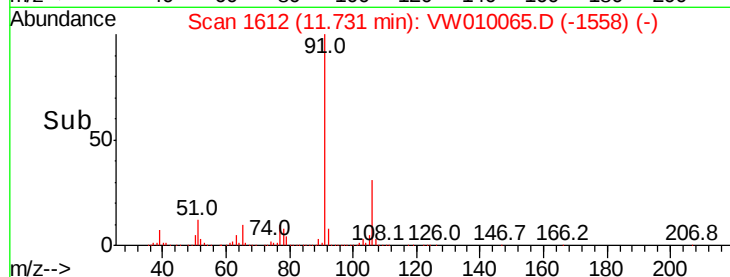
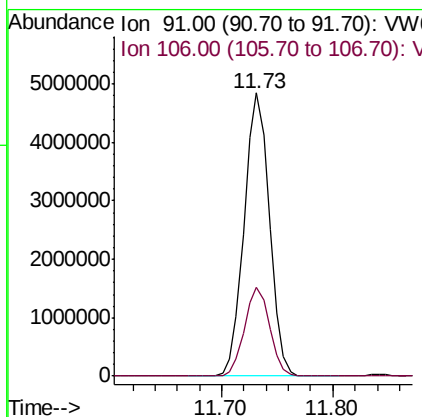
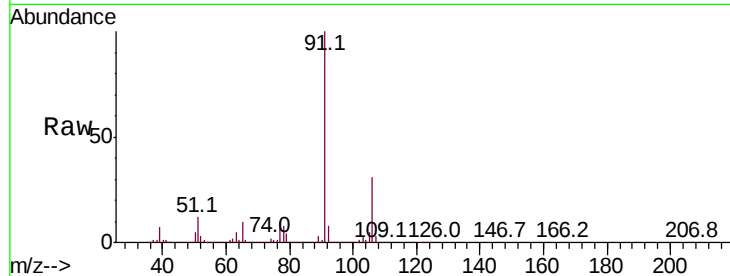




#53
Ethylbenzene
Concen: 186.686 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010065.D
Acq: 19 Apr 2019 14:21

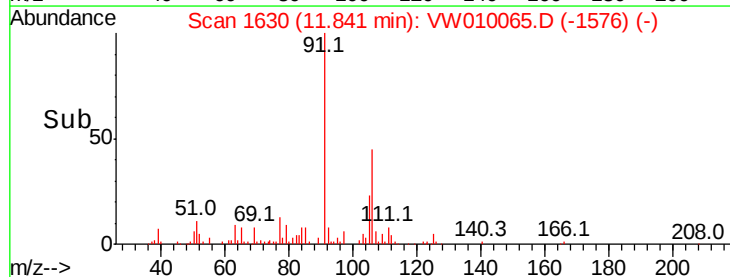
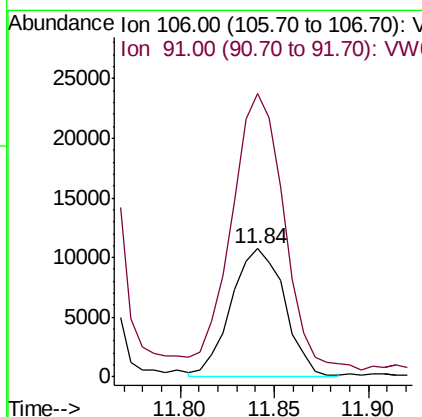
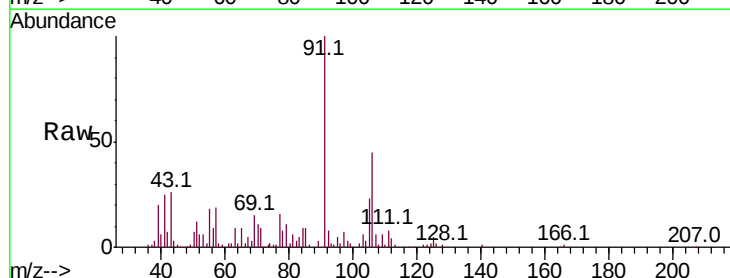
Instrument :
MSVOA_W
ClientSampleId :

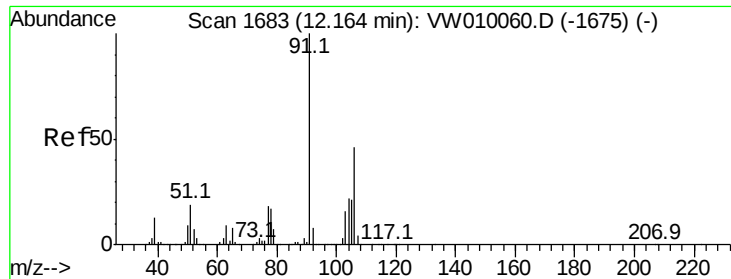
Tot Ion: 91 Resp: 7646203
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.4



#54
m,p-Xylene
Concen: 1.404 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010065.D
Acq: 19 Apr 2019 14:21

Tgt Ion:106 Resp: 21030
Ion Ratio Lower Upper
106 100
91 221.1 143.4 266.2

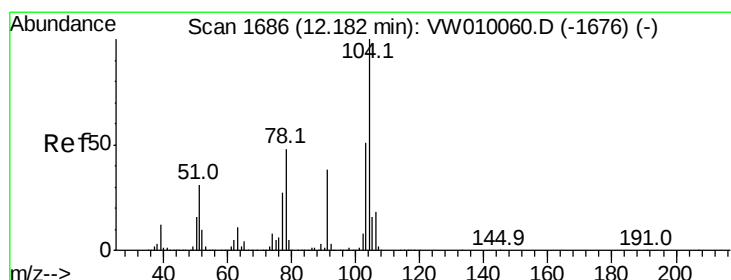
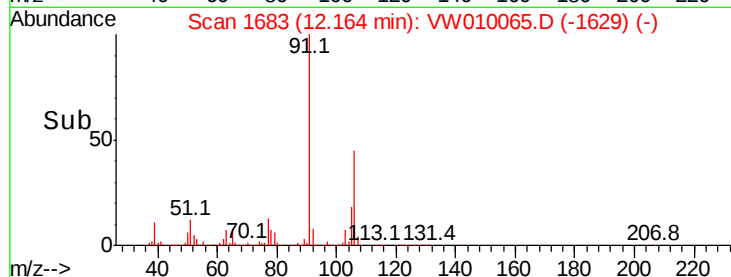
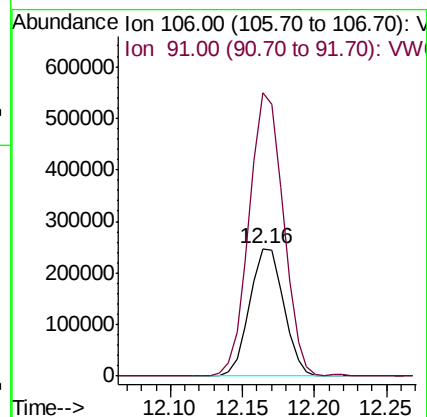
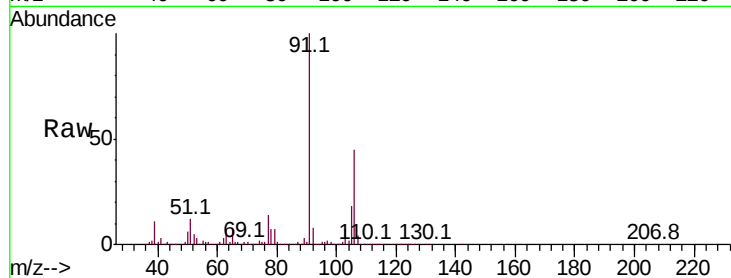




#55
o-xylene
Concen: 28.175 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010065.D
Acq: 19 Apr 2019 14:21

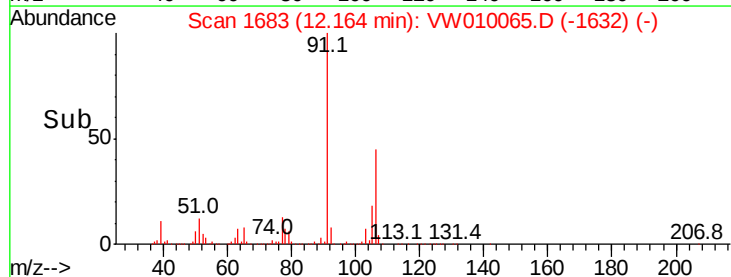
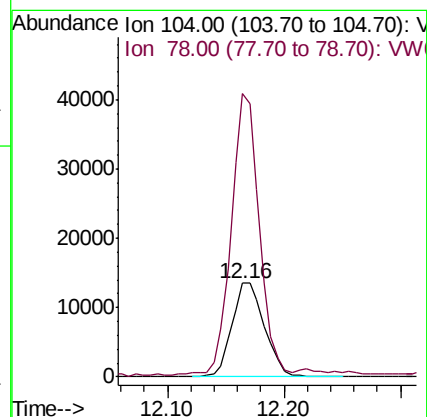
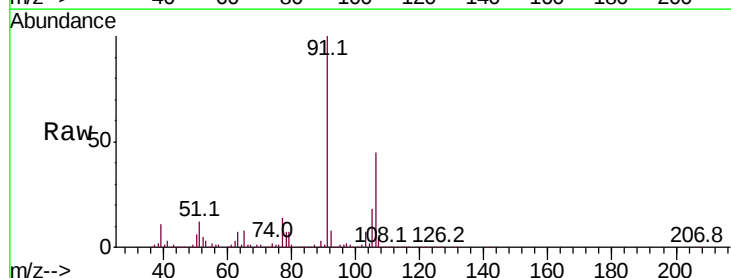
Instrument :
MSVOA_W
ClientSampleId :

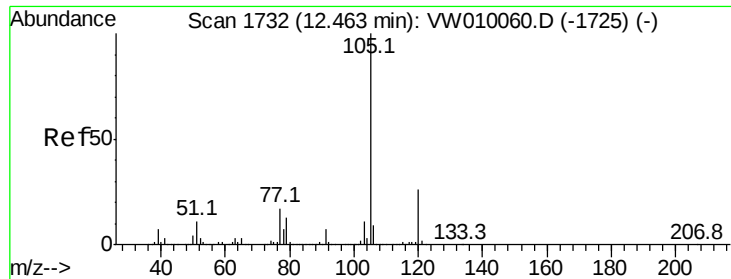
Tot Ion:106 Resp: 404840
Ion Ratio Lower Upper
106 100
91 222.5 152.2 282.7



#56
Styrene
Concen: 1.053 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW010065.D
Acq: 19 Apr 2019 14:21

Tgt Ion:104 Resp: 26497
Ion Ratio Lower Upper
104 100
78 301.5 32.7 60.7#





#57

Isopropylbenzene

Concen: 25.546 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

Instrument :

MSVOA_W

ClientSampled :

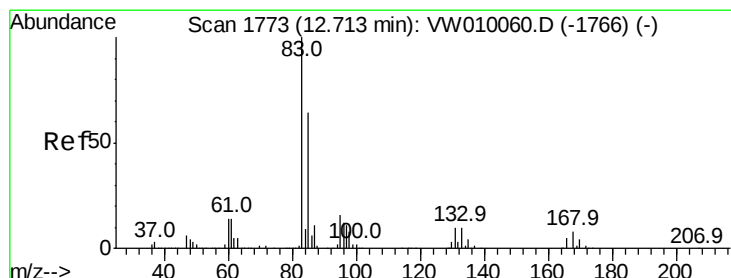
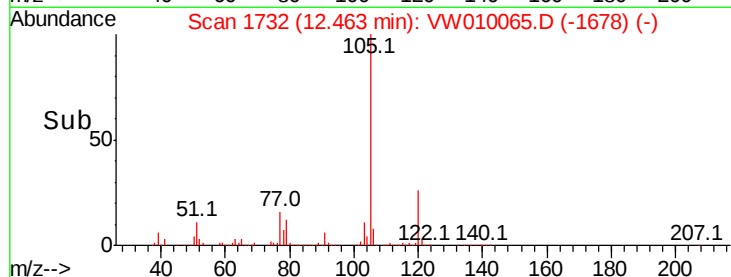
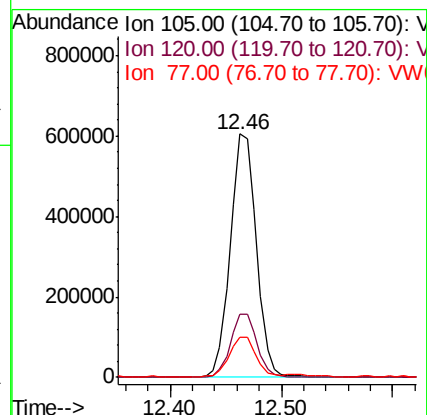
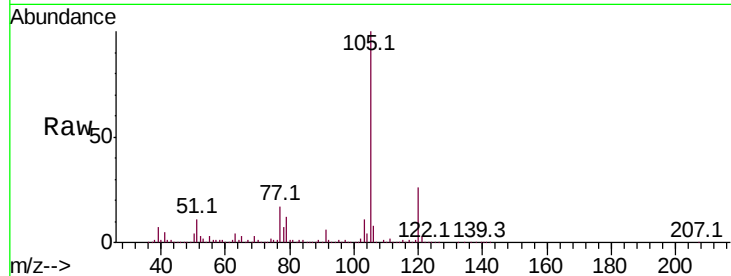
Tot Ion:105 Resp: 977684

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

77 16.8 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 0.642 ug/L

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

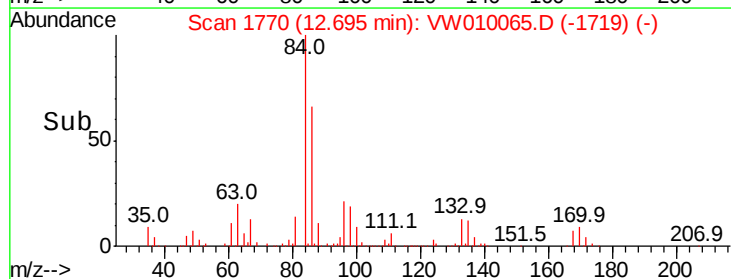
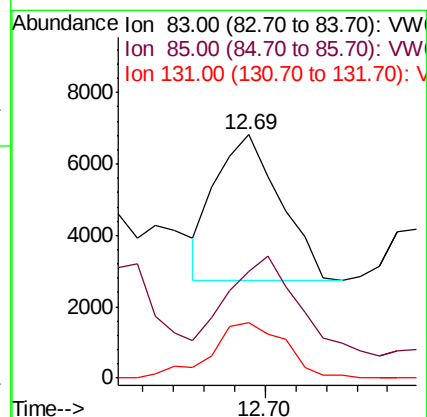
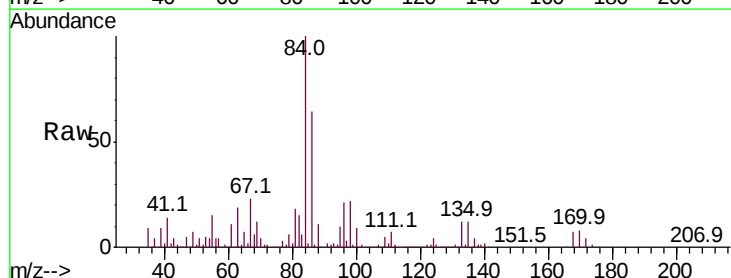
Tgt Ion: 83 Resp: 6014

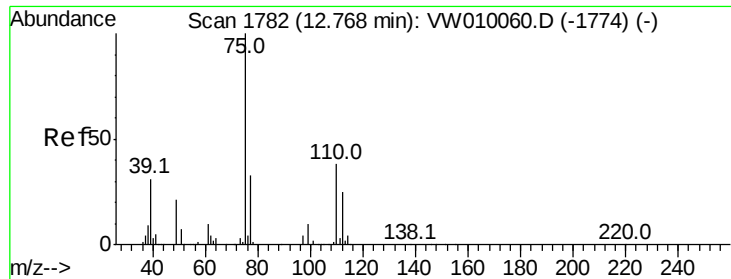
Ion Ratio Lower Upper

83 100

85 43.7 44.1 81.9#

131 22.7 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 1.769 ug/L

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

Instrument :

MSVOA_W

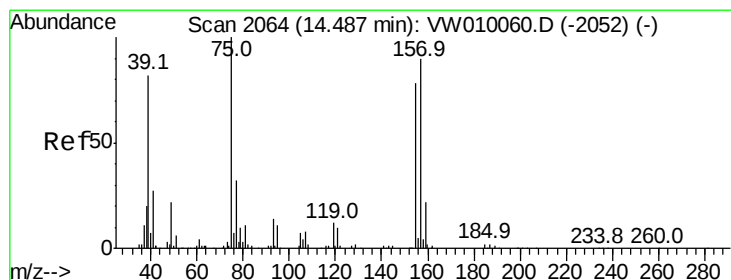
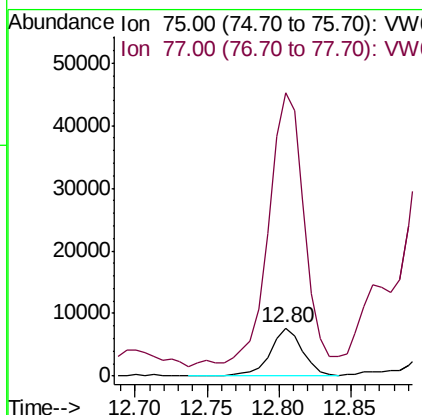
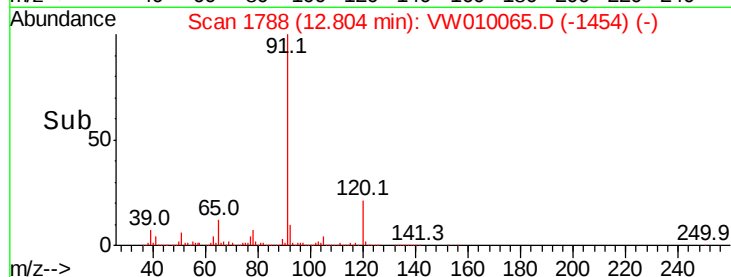
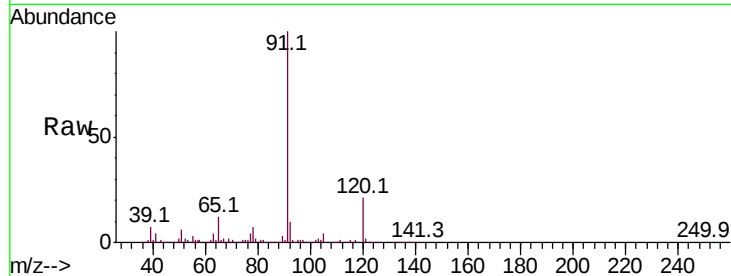
ClientSampled :

Tot Ion: 75 Resp: 12408

Ion Ratio Lower Upper

75 100

77 584.7 25.8 38.6#



#66

1,2-Dibromo-3-chloropropane

Concen: 8.478 ug/L

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

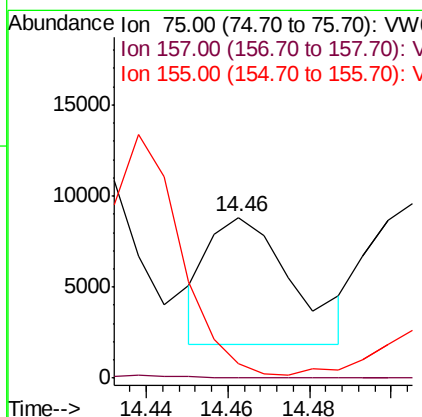
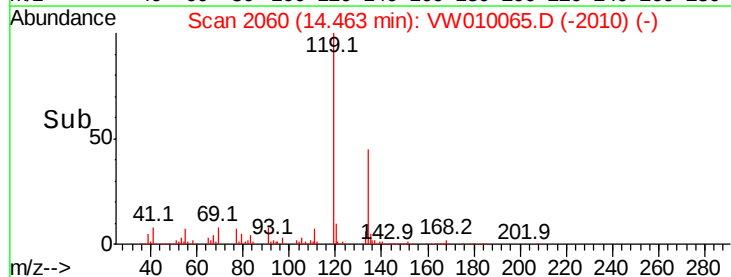
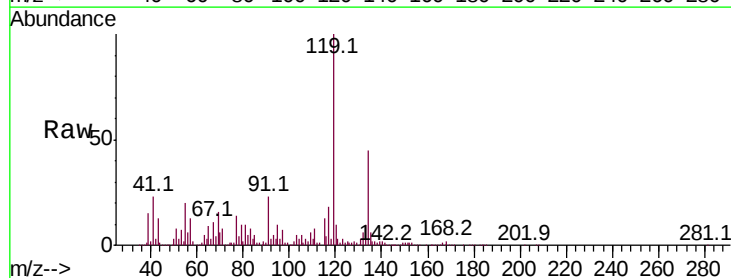
Tgt Ion: 75 Resp: 9908

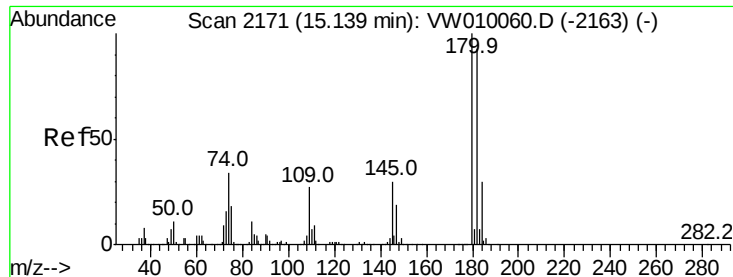
Ion Ratio Lower Upper

75 100

157 0.0 73.3 109.9#

155 9.3 58.6 88.0#





#68

1,2,4-trichlorobenzene

Concen: 2.041 ug/L

RT: 15.15 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

Instrument :

MSVOA_W

ClientSampled :

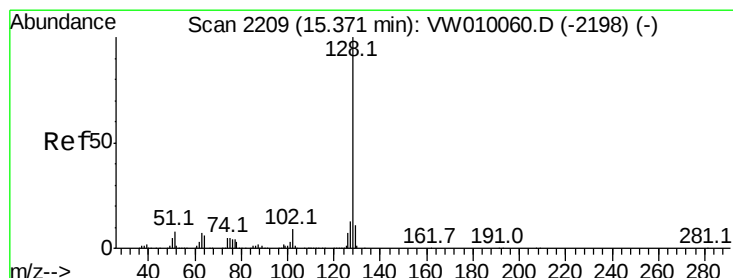
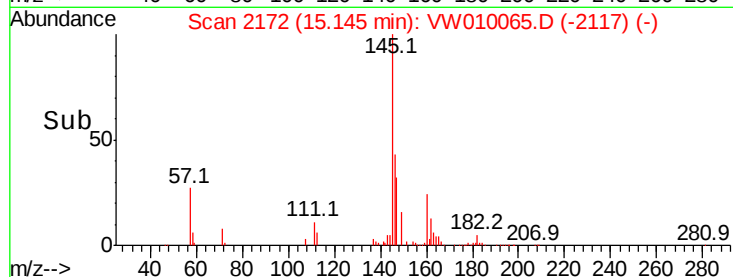
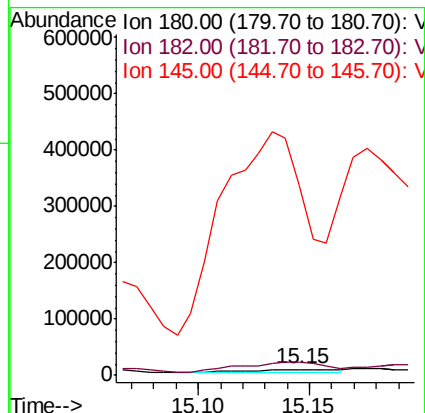
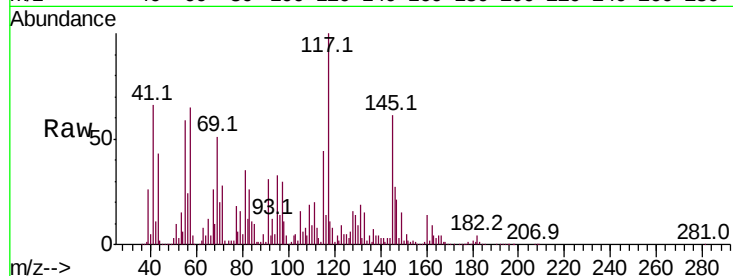
Tot Ion:180 Resp: 14412

Ion Ratio Lower Upper

180 100

182 327.8 75.4 113.0#

145 6947.9 25.0 37.4#



#69

Naphthalene

Concen: 20.369 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

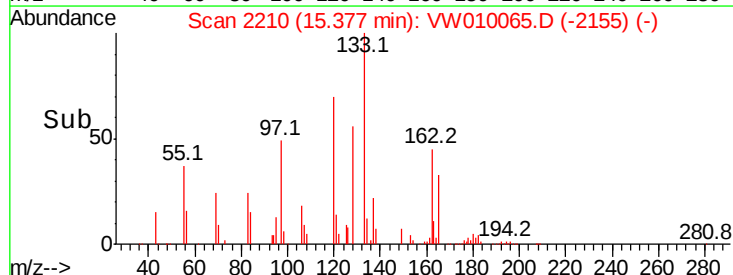
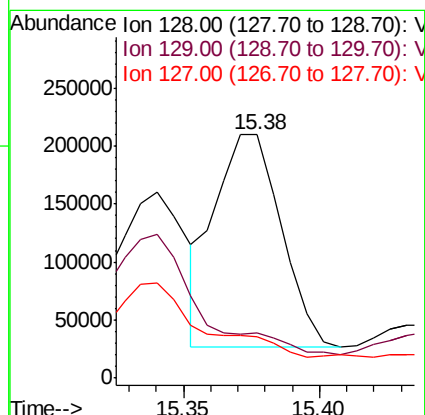
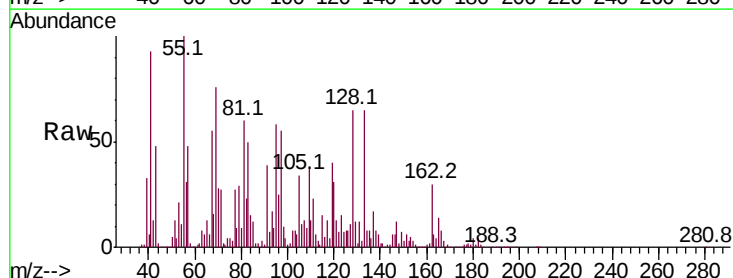
Tgt Ion:128 Resp: 308737

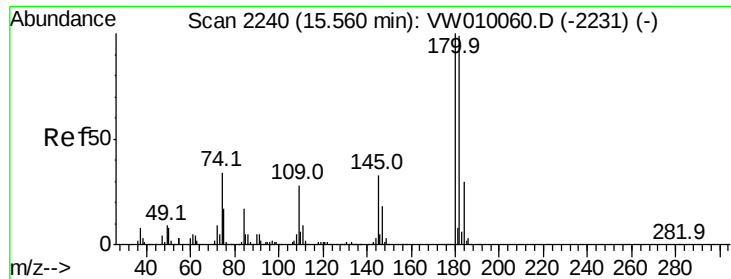
Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 0.5 10.6 16.0#





#70

1,2,3-Trichlorobenzene

Concen: 5.975 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW010065.D

Acq: 19 Apr 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

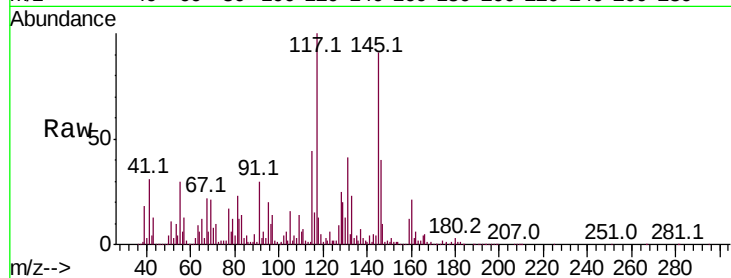
Tot Ion:180 Resp: 40261

Ion Ratio Lower Upper

180 100

182 29.0 76.0 114.0#

145 8014.7 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

