

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010066.D
 Acq On : 19 Apr 2019 14:49
 Operator : SY/VA
 Sample : K2455-16
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 20 03:53:54 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	598927	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	427094	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	135076	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	150916	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.64%
7) Chloroethane-d5	2.89	69	122049	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.16%
10) 1,1-Dichloroethene-d2	4.01	63	265974	16.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.76%
20) 2-Butanone-d5	7.08	46	139098	45.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.86%
24) Chloroform-d	7.65	84	372638	21.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.08%
26) 1,2-Dichloroethane-d4	8.31	65	226129	21.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.20%
29) Benzene-d6	8.27	84	694112	29.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.28%
33) 1,2-Dichloropropane-d6	9.27	67	221299	29.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.40%
37) Toluene-d8	10.32	98	519367	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	10.57	79	97603	27.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.16%
39) 2-Hexanone-d5	10.93	63	115494	69.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.44%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	156928	22.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.76%
61) 1,2-Dichlorobenzene-d4	13.56	152	114516	22.55	ug/L	-0.30
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

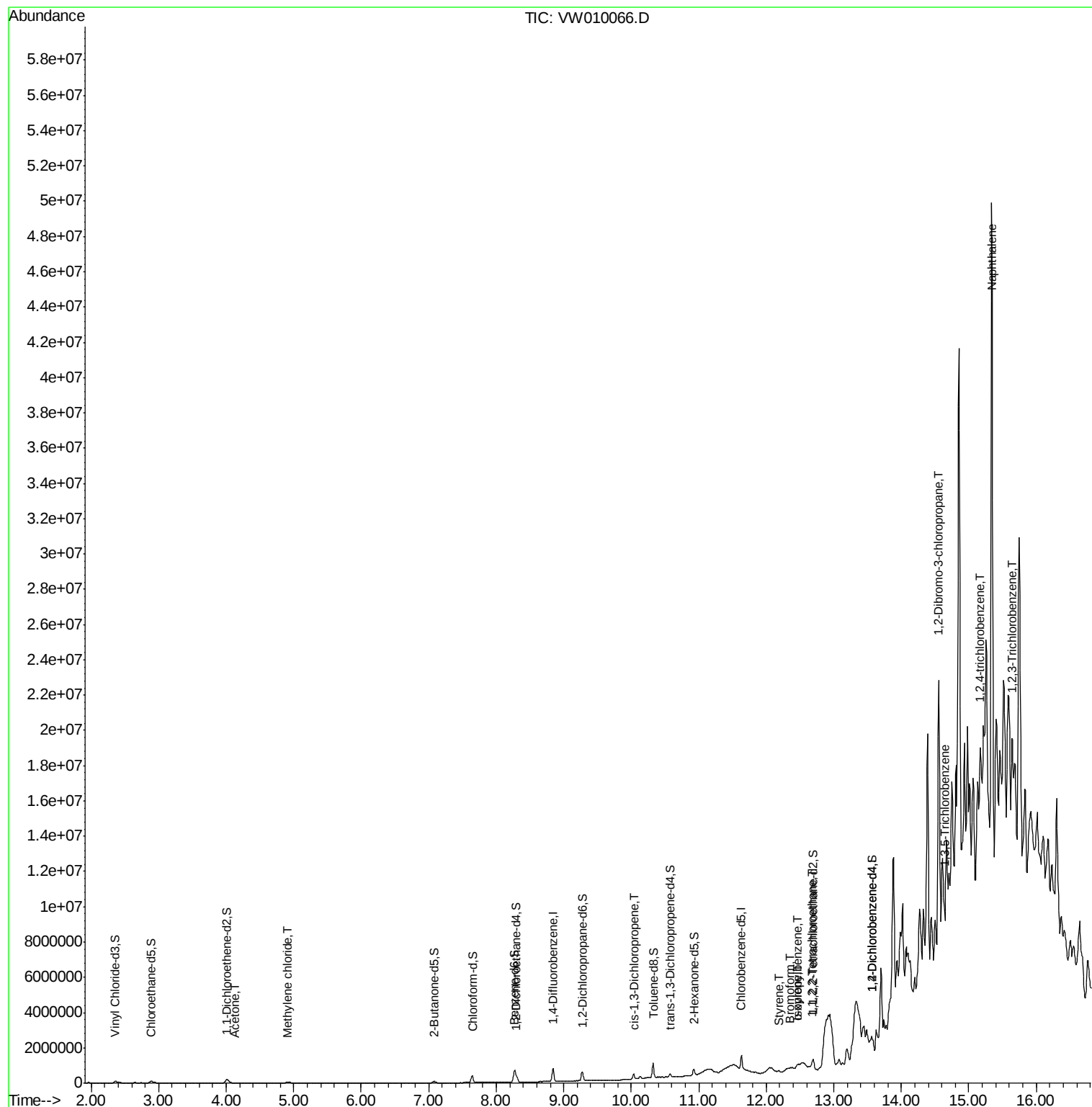
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	26967	9.905	ug/L	98
16) Methylene chloride	4.91	84	25911	2.389	ug/L	93
42) cis-1,3-Dichloropropene	10.04	75	7442	0.725	ug/L #	1
55) o-xylene	12.46	106	14393	1.375	ug/L	90
56) Styrene	12.18	104	28619	1.562	ug/L	80
57) Isopropylbenzene	12.45	105	64638	2.319	ug/L #	62
58) 1,1,2,2-Tetrachloroethane	12.68	83	3935	0.576	ug/L #	23
62) Bromoform	12.35	173	1610	0.679	ug/L #	11
66) 1,2-Dibromo-3-chloropropan	14.55	75	42260	52.150	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.65	180	4703	0.787	ug/L #	17
68) 1,2,4-trichlorobenzene	15.18	180	87754	17.920	ug/L #	1
69) Naphthalene	15.33	128	123624	11.762	ug/L #	1
70) 1,2,3-Trichlorobenzene	15.64	180	130839	28.002	ug/L	89

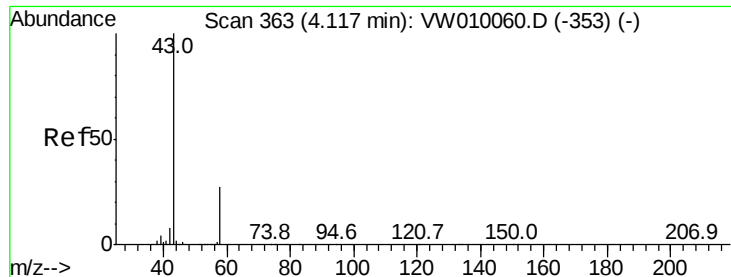
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Apr 20 03:53:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration





#13

Acetone

Concen: 9.905 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010066.D

Acq: 19 Apr 2019 14:49

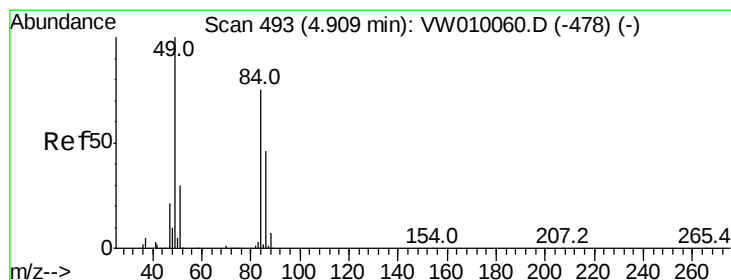
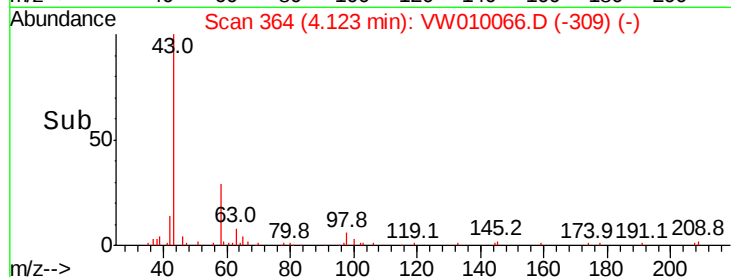
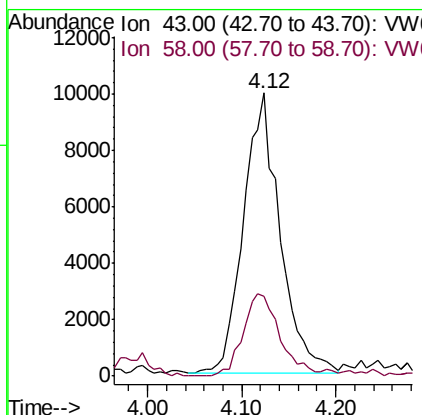
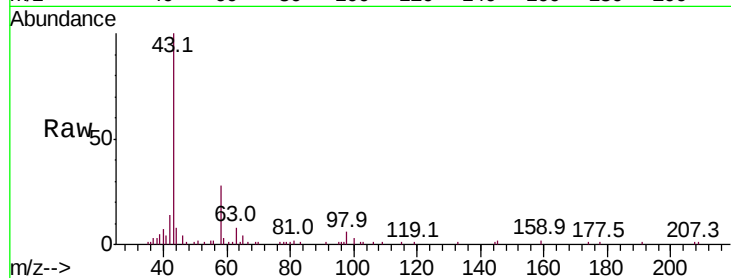
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 26967

Ion Ratio Lower Upper

43 100

58 29.3 0.0 56.2



#16

Methylene chloride

Concen: 2.389 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010066.D

Acq: 19 Apr 2019 14:49

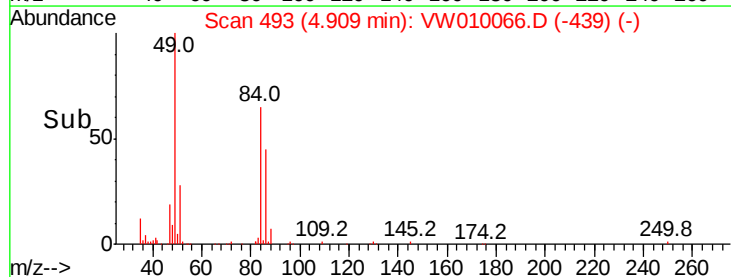
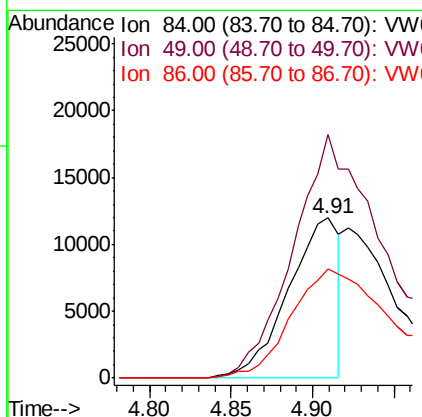
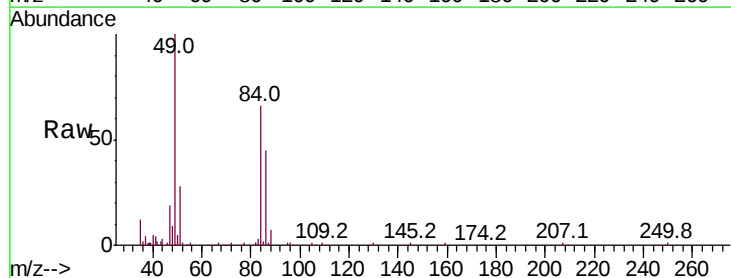
Tgt Ion: 84 Resp: 25911

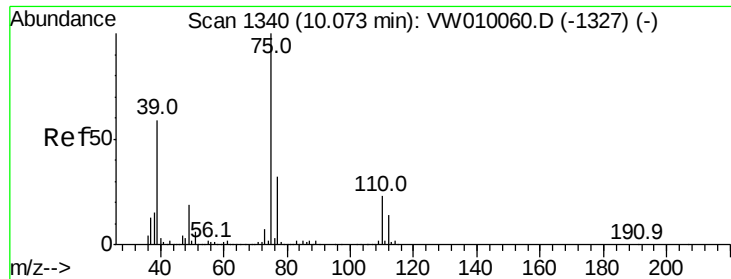
Ion Ratio Lower Upper

84 100

49 152.0 100.7 187.1

86 68.6 43.8 81.3





#42

cis-1,3-Dichloropropene

Concen: 0.725 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW010066.D

Acq: 19 Apr 2019 14:49

Instrument :

MSVOA_W

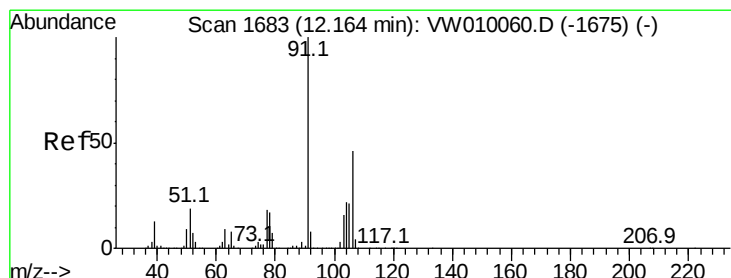
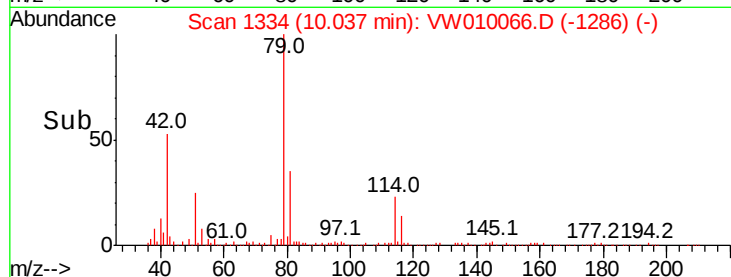
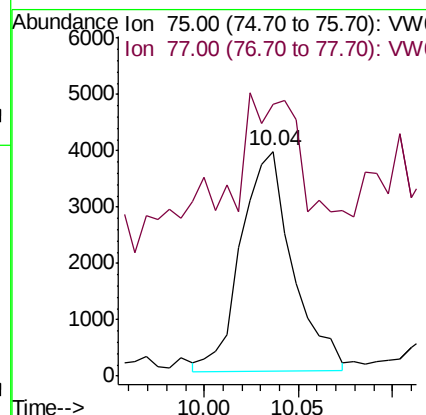
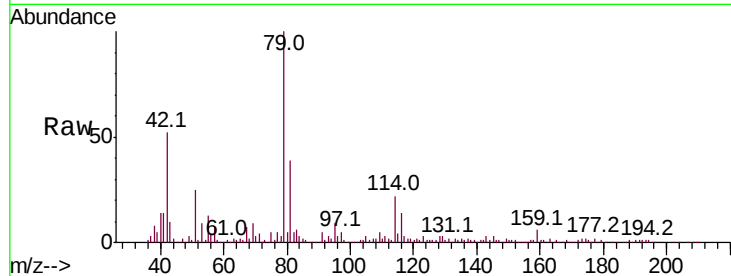
ClientSampleId :

Tot Ion: 75 Resp: 7442

Ion Ratio Lower Upper

75 100

77 120.6 21.8 40.4#



#55

o-xylene

Concen: 1.375 ug/L

RT: 12.46 min Scan# 1731

Delta R.T. 0.29 min

Lab File: VW010066.D

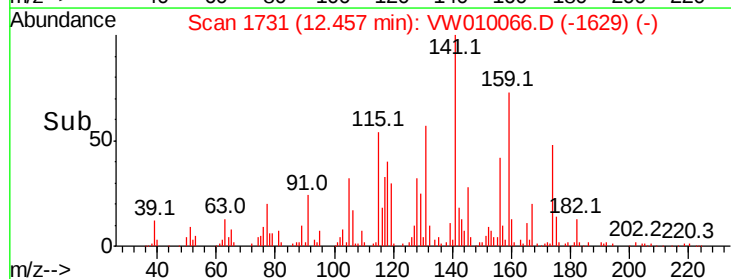
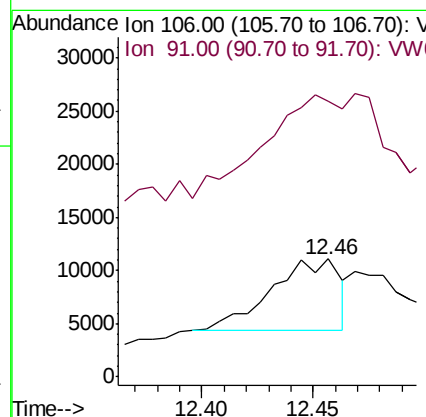
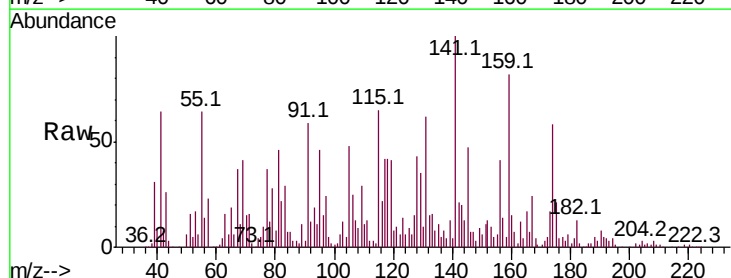
Acq: 19 Apr 2019 14:49

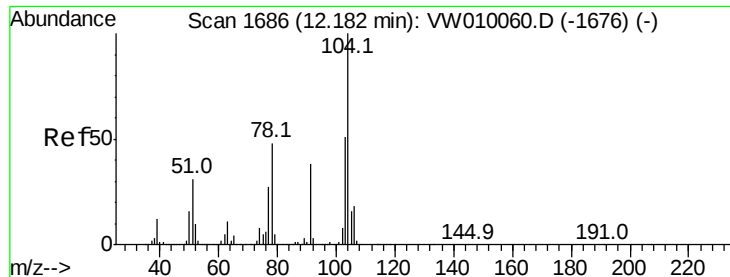
Tgt Ion:106 Resp: 14393

Ion Ratio Lower Upper

106 100

91 233.4 152.2 282.7





#56

Stvrene

Concen: 1.562 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010066.D

Acq: 19 Apr 2019 14:49

Instrument :

MSVOA_W

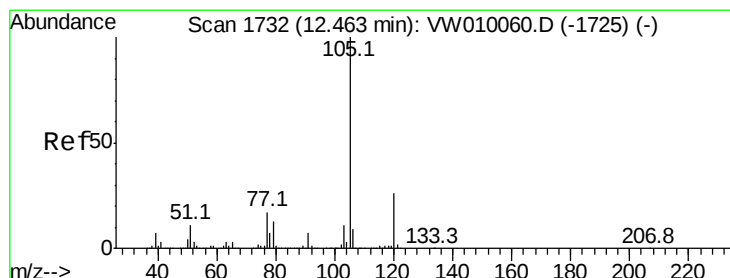
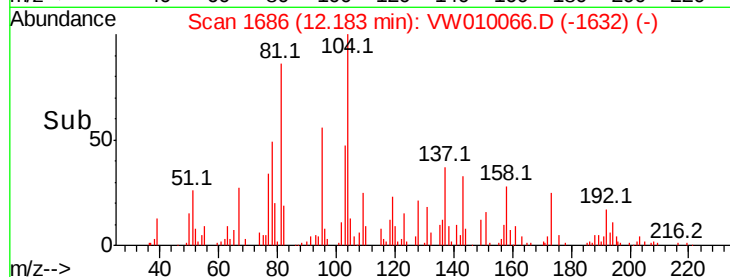
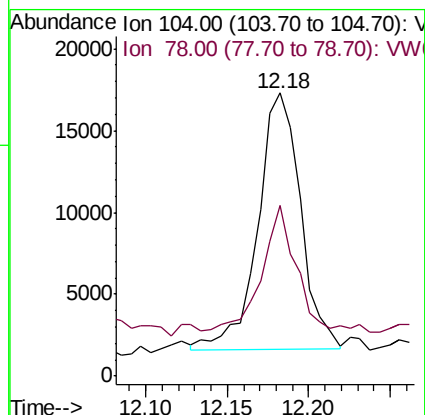
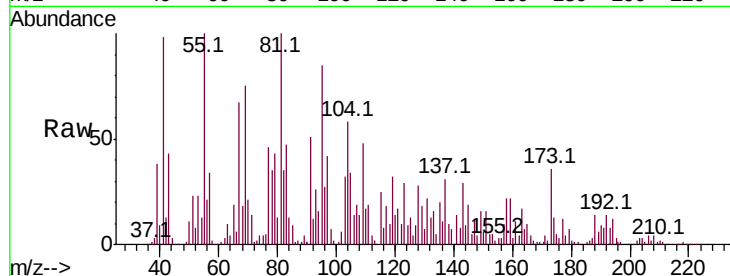
ClientSampleId :

Tot Ion:104 Resp: 28619

Ion Ratio Lower Upper

104 100

78 60.1 32.7 60.7



#57

Isopropylbenzene

Concen: 2.319 ug/L

RT: 12.45 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VW010066.D

Acq: 19 Apr 2019 14:49

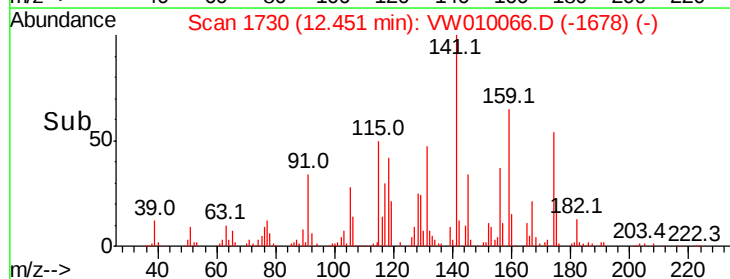
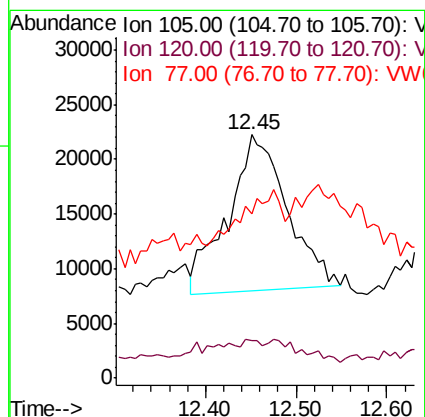
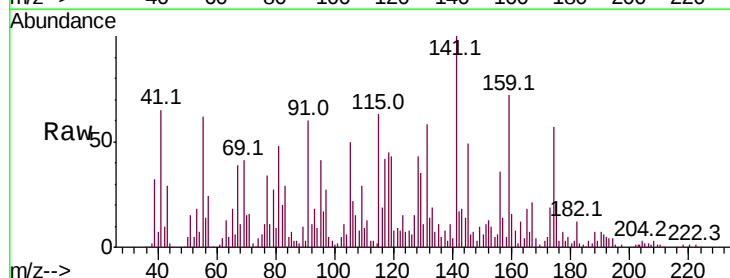
Tgt Ion:105 Resp: 64638

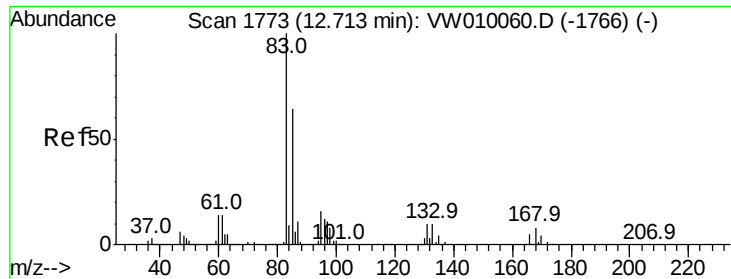
Ion Ratio Lower Upper

105 100

120 1.0 20.6 30.8#

77 7.5 13.4 20.2#

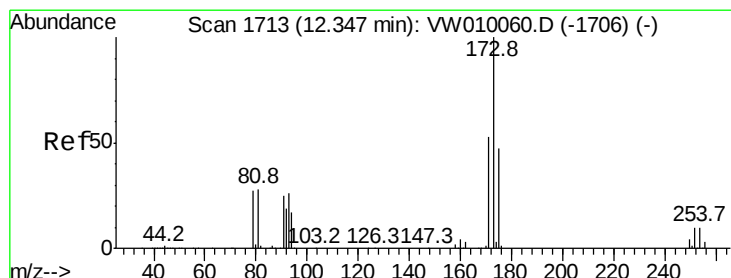
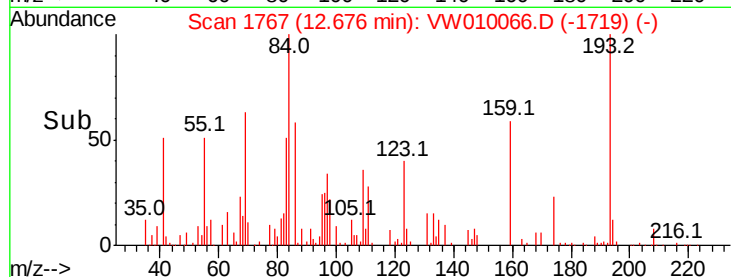
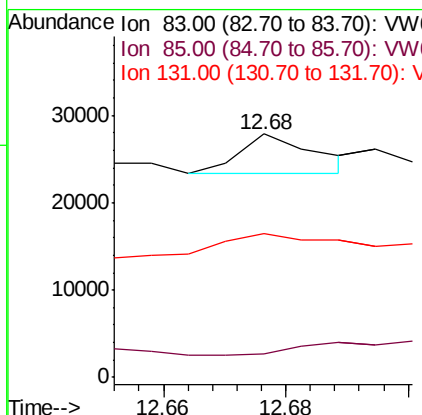
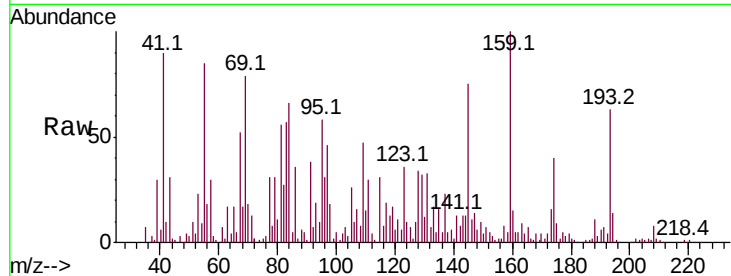




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.576 ug/L
 RT: 12.68 min Scan# 1767
 Delta R.T. -0.04 min
 Lab File: VW010066.D
 Acq: 19 Apr 2019 14:49

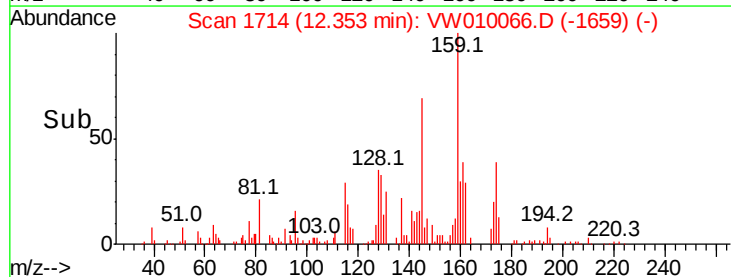
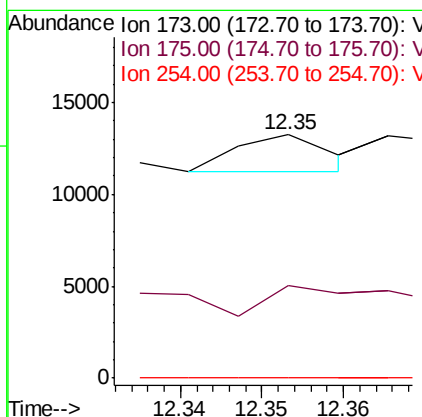
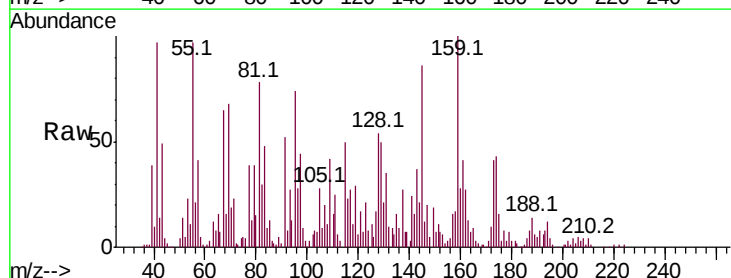
Instrument :
 MSVOA_W
 ClientSampleId :

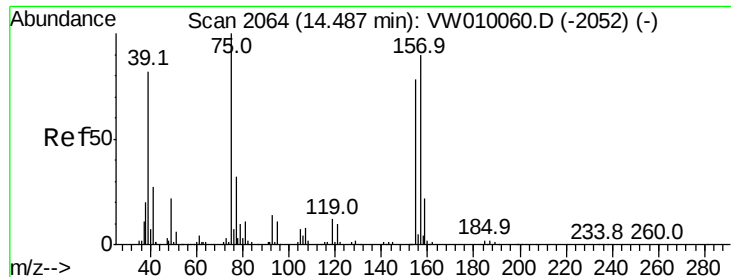
Tot Ion: 83 Resp: 3935
 Ion Ratio Lower Upper
 83 100
 85 9.6 44.1 81.9#
 131 58.9 8.3 12.5#



#62
 Bromoform
 Concen: 0.679 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW010066.D
 Acq: 19 Apr 2019 14:49

Tgt Ion: 173 Resp: 1610
 Ion Ratio Lower Upper
 173 100
 175 116.5 38.4 57.6#
 254 0.0 7.7 11.5#

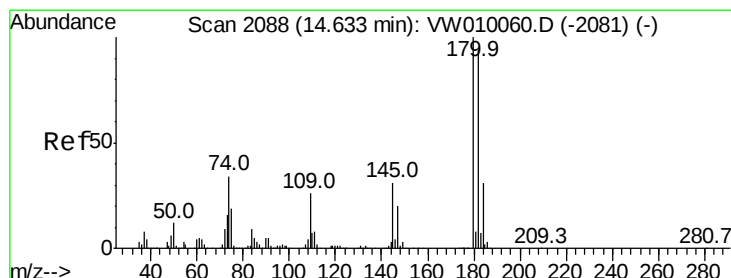
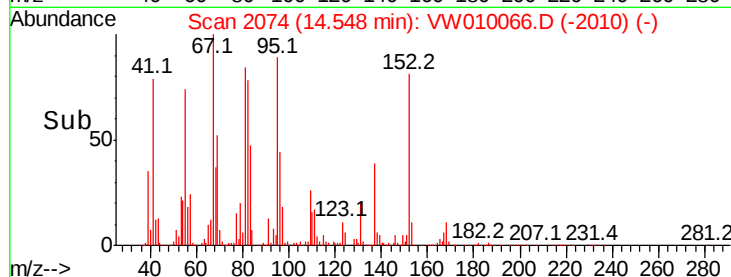
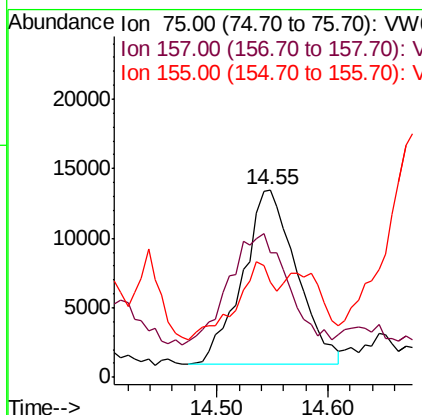
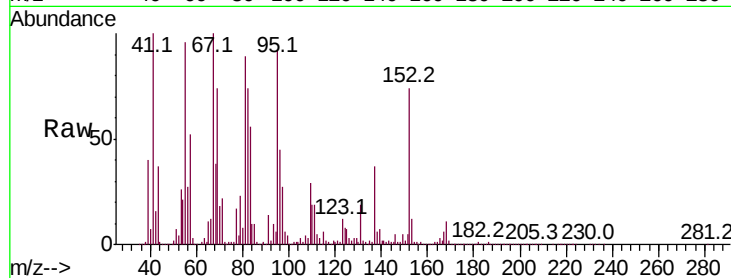




#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.150 ug/L
 RT: 14.55 min Scan# 2074
 Delta R.T. 0.06 min
 Lab File: VW010066.D
 Acq: 19 Apr 2019 14:49

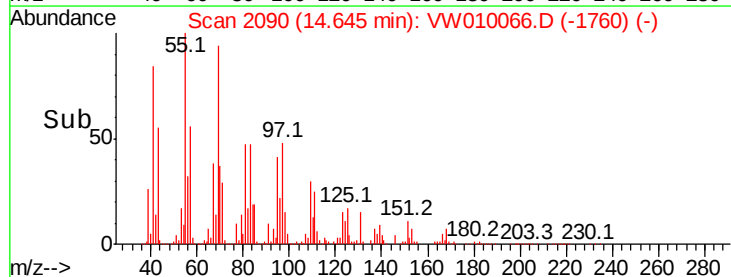
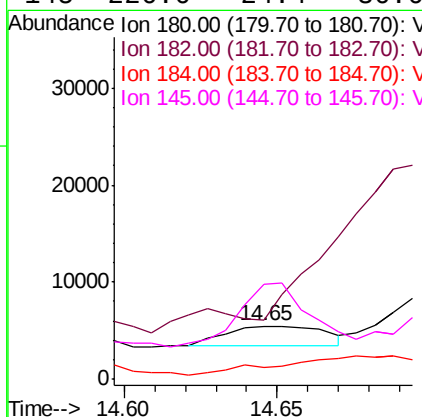
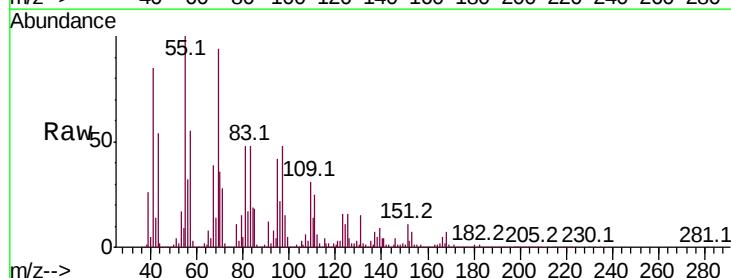
Instrument :
 MSVOA_W
 ClientSampleId :

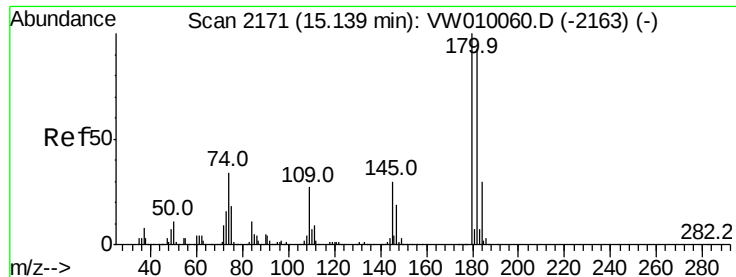
Tot Ion: 75 Resp: 42260
 Ion Ratio Lower Upper
 75 100
 157 66.6 73.3 109.9#
 155 50.6 58.6 88.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.787 ug/L
 RT: 14.65 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VW010066.D
 Acq: 19 Apr 2019 14:49

Tgt Ion:180 Resp: 4703
 Ion Ratio Lower Upper
 180 100
 182 81.0 76.8 115.2
 184 20.6 24.0 36.0#
 145 226.6 24.4 36.6#



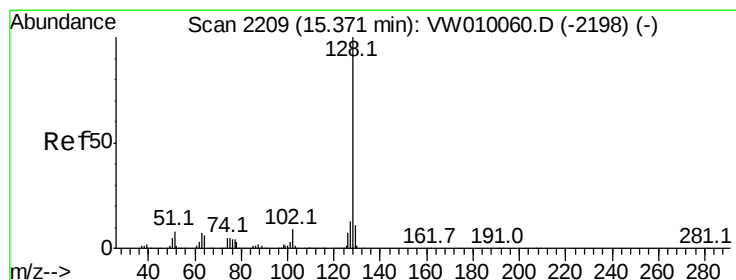
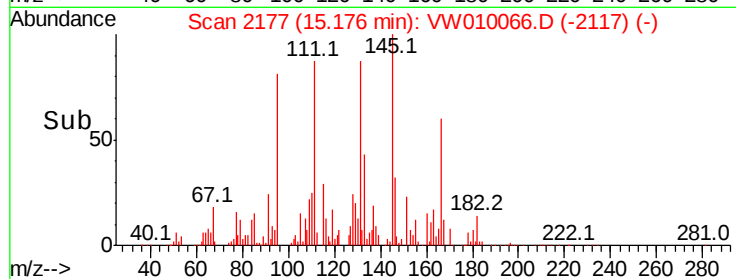
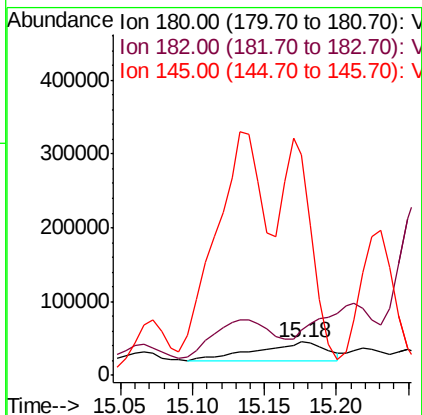
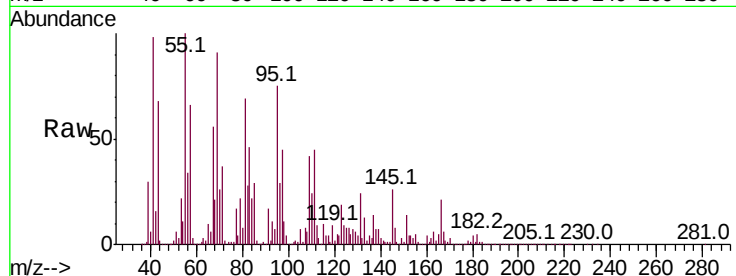


#68

1,2,4-trichlorobenzene
Concen: 17.920 ug/L
RT: 15.18 min Scan# 2177
Delta R.T. 0.04 min
Lab File: VW010066.D
Acq: 19 Apr 2019 14:49

Instrument :
MSVOA_W
ClientSampled :

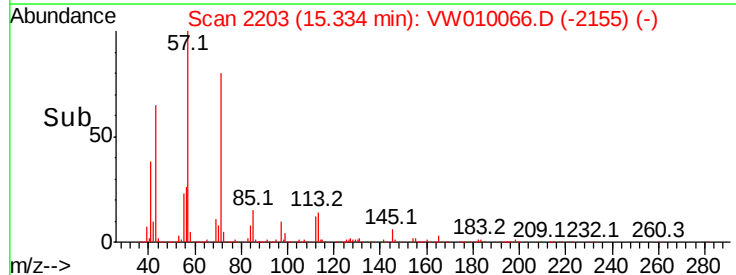
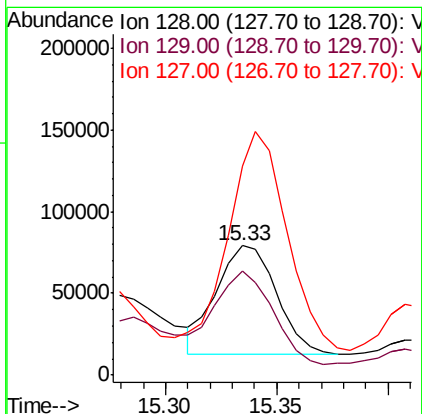
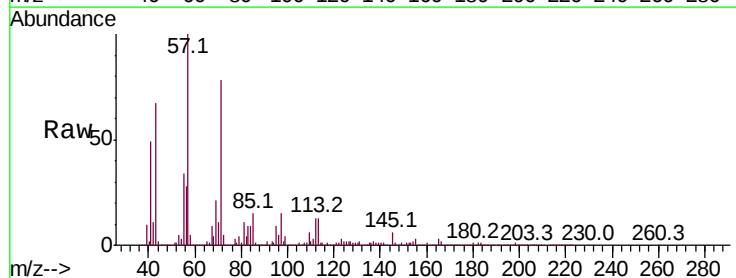
Tot Ion:180 Resp: 87754
Ion Ratio Lower Upper
180 100
182 0.0 75.4 113.0#
145 511.1 25.0 37.4#

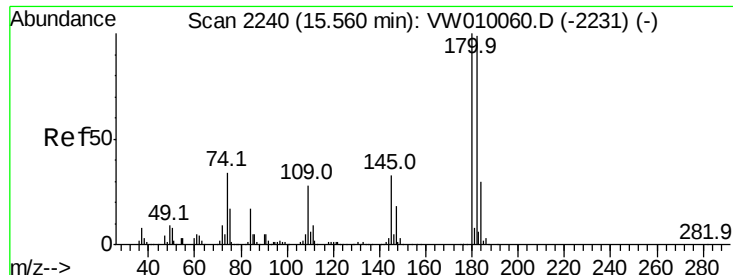


#69

Naphthalene
Concen: 11.762 ug/L
RT: 15.33 min Scan# 2203
Delta R.T. -0.04 min
Lab File: VW010066.D
Acq: 19 Apr 2019 14:49

Tgt Ion:128 Resp: 123624
Ion Ratio Lower Upper
128 100
129 84.4 8.6 12.8#
127 199.8 10.6 16.0#





#70

1,2,3-Trichlorobenzene

Concen: 28.002 ug/L

RT: 15.64 min Scan# 2253

Delta R.T. 0.08 min

Lab File: VW010066.D

Acq: 19 Apr 2019 14:49

Instrument :

MSVOA_W

ClientSampleId :

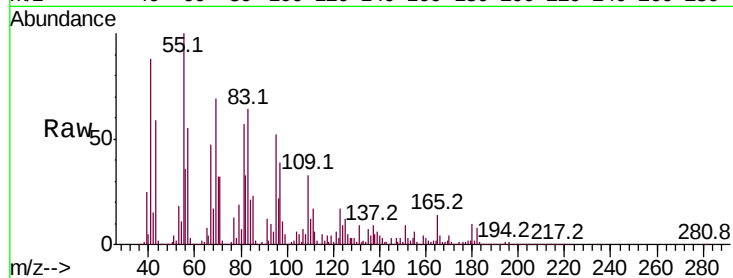
Tot Ion:180 Resp: 130839

Ion Ratio Lower Upper

180 100

182 83.7 76.0 114.0

145 38.2 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

