

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007295.D
 Acq On : 06 Dec 2018 22:33
 Operator : SY/AP
 Sample : J6214-17RE
 Misc : 4.17G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	121486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	86676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	25416	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	31828	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	
35) Dibromofluoromethane	7.89	113	28883	41.52	ug/l	0.00
Spiked Amount			Recovery	=	83.04%	
50) Toluene-d8	10.33	98	104785	34.20	ug/l	0.00
Spiked Amount			Recovery	=	68.40%	
62) 4-Bromofluorobenzene	12.62	95	28124	24.32	ug/l	0.00
Spiked Amount			Recovery	=	48.64%	

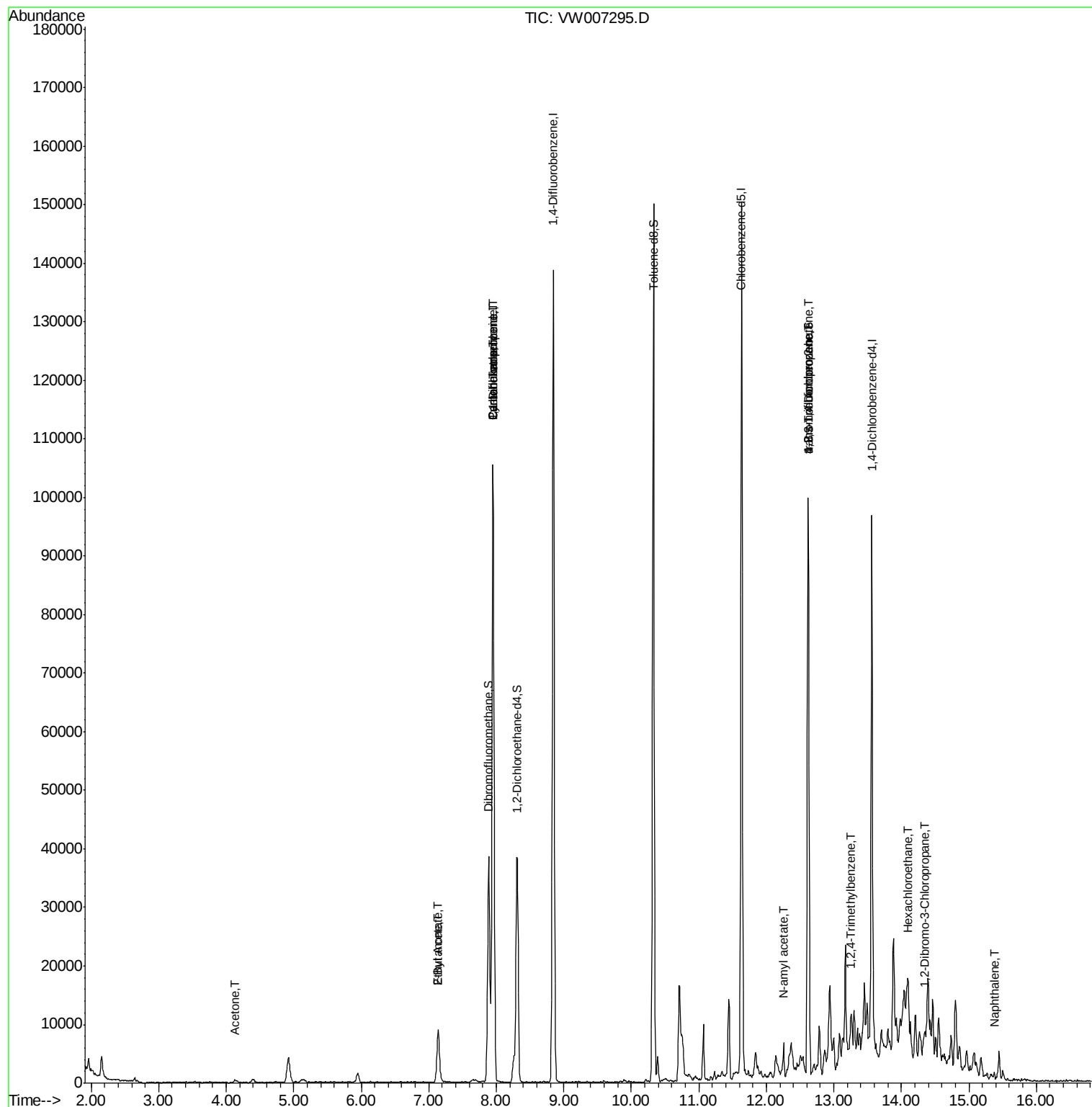
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	440	Below Cal	#	75
16) Acetone	4.13	43	888	5.120	ug/l #	66
20) Methylene Chloride	4.93	84	3588	Below Cal		94
25) 2-Butanone	7.14	43	493	2.452	ug/l #	46
31) Cyclohexane	7.95	56	1658	1.140	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	5801	4.907	ug/l #	48
37) Ethyl Acetate	7.14	43	493	1.153	ug/l #	12
38) Carbon Tetrachloride	7.95	117	7977	6.612	ug/l #	16
74) N-amyl acetate	12.26	43	1274	3.476	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	14321	72.770	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14321	156.845	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.25	105	4919	2.725	ug/l	100
90) Hexachloroethane	14.10	117	479	1.600	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.34	75	54	1.038	ug/l #	1
95) Naphthalene	15.38	128	1371	1.392	ug/l #	91

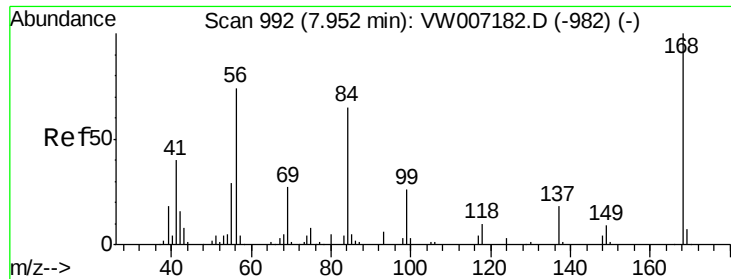
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
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Acq On : 06 Dec 2018 22:33
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Quant Time: Dec 07 01:18:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

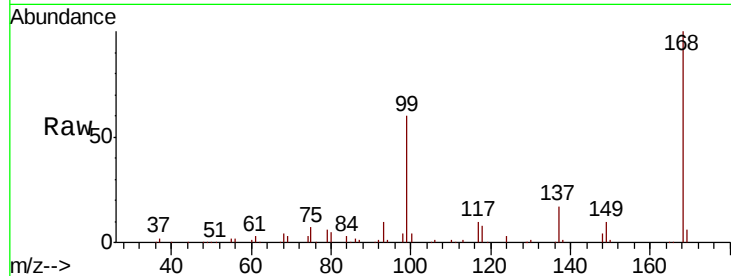
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 78684

Ion Ratio Lower Upper

168 100

99 60.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

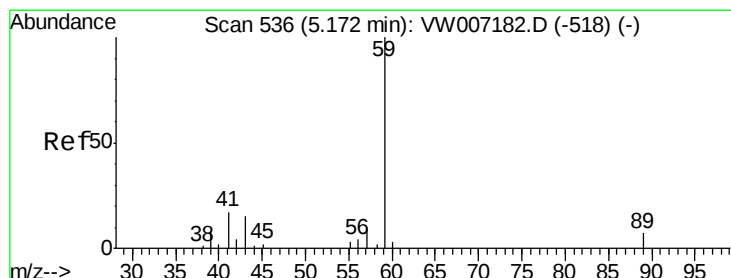
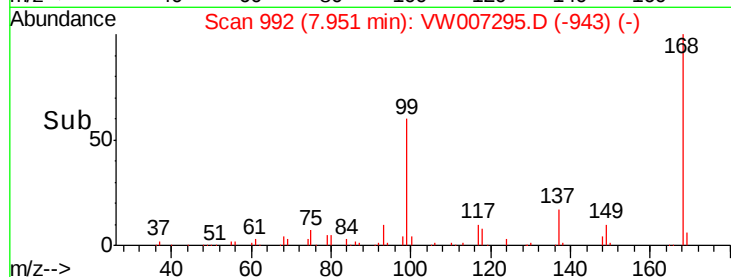
20000

10000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW007295.D

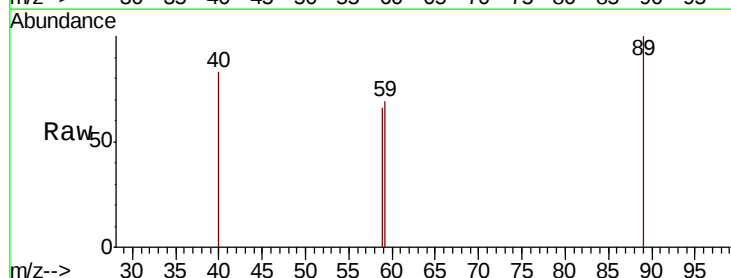
Acq: 06 Dec 2018 22:33

Tgt Ion: 59 Resp: 440

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

300

250

200

150

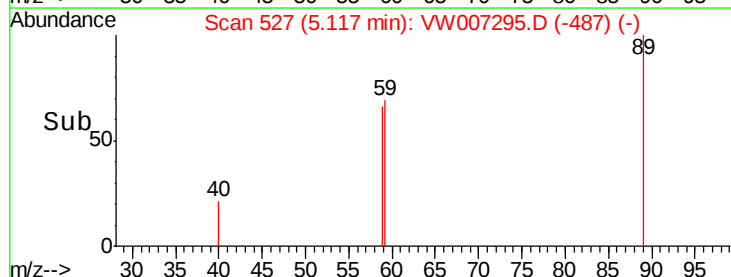
100

50

0

5.10 5.15

Time-->

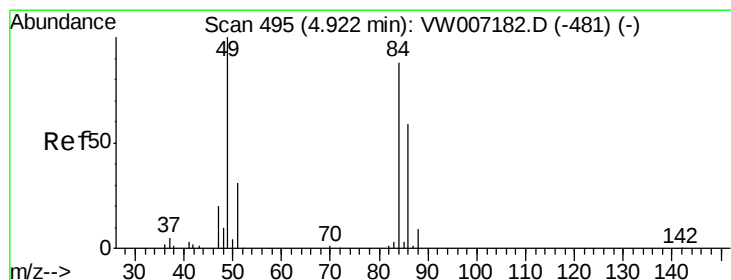
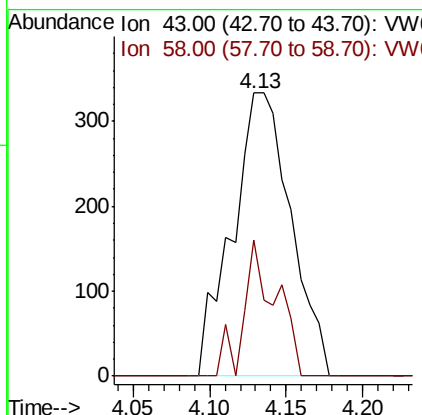
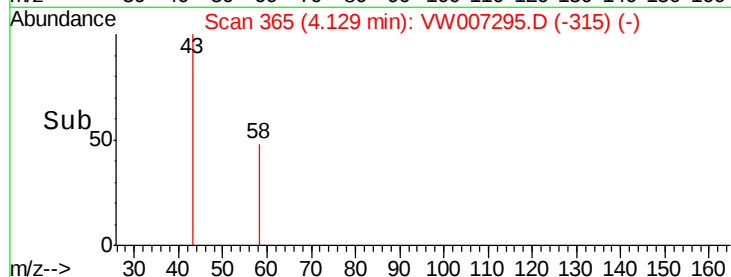
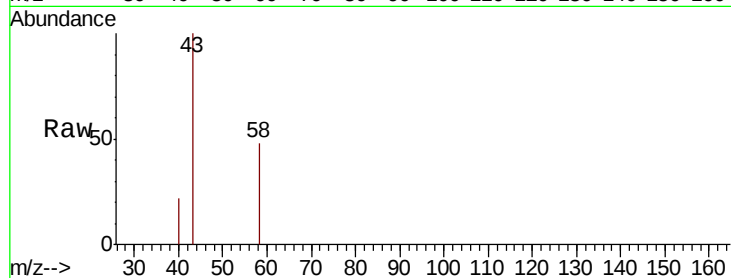




#16
Acetone
Concen: 5.120 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

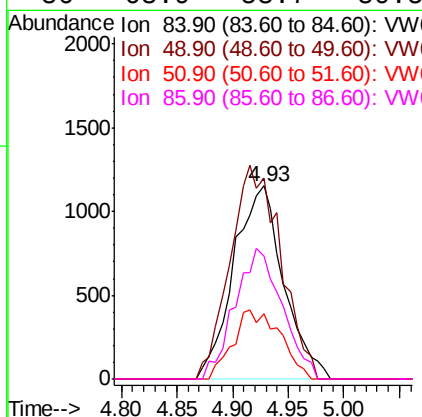
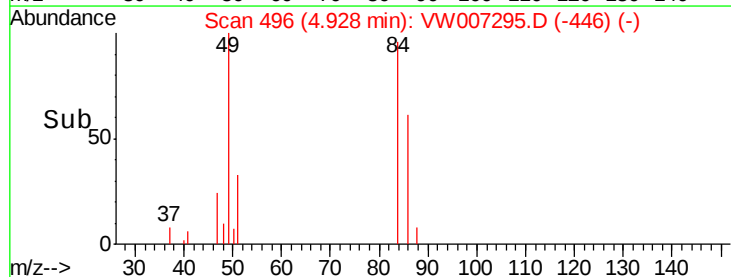
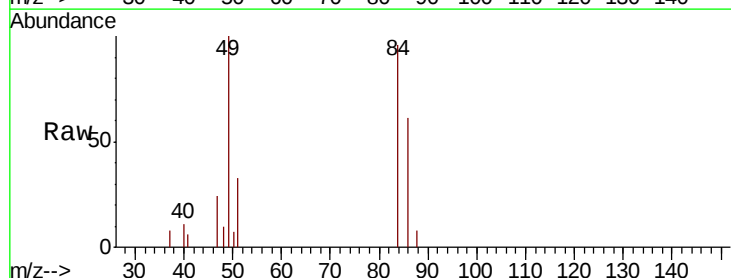
Instrument :
MSVOA_W
ClientSampled :

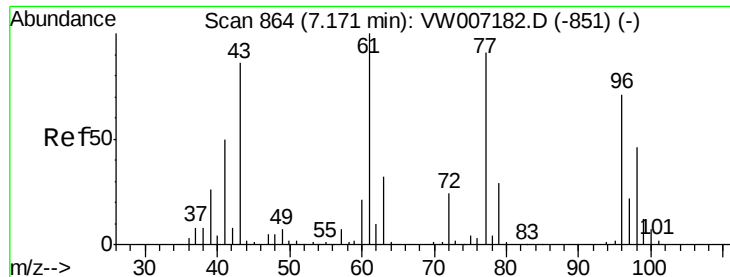
Tot Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 48.3 23.8 35.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

Tgt Ion: 84 Resp: 3588
Ion Ratio Lower Upper
84 100
49 104.0 90.6 135.8
51 33.9 27.6 41.4
86 63.9 53.7 80.5





#25

2-Butanone

Concen: 2.452 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

Instrument :

MSVOA_W

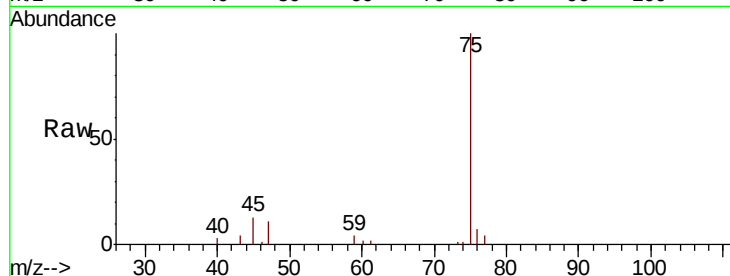
ClientSampled :

Tot Ion: 43 Resp: 493

Ion Ratio Lower Upper

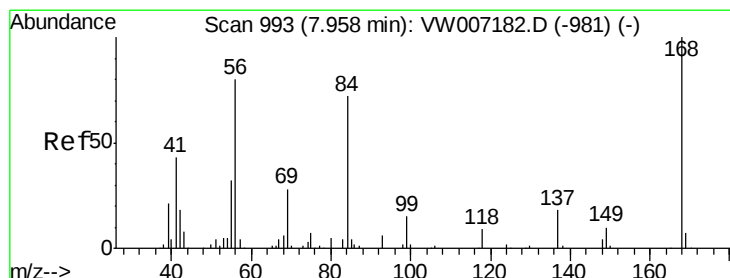
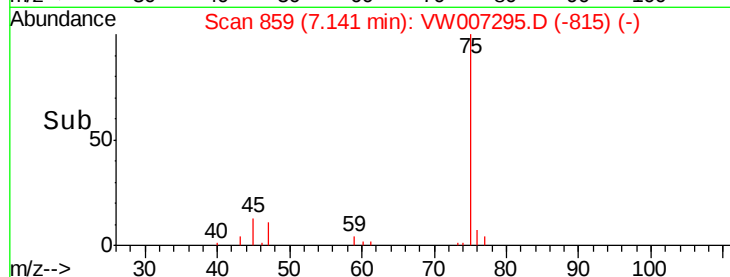
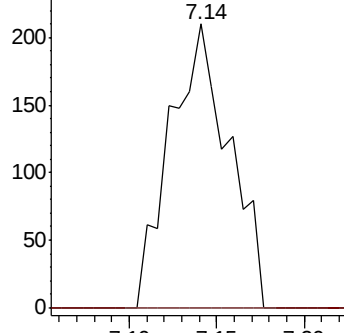
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.140 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

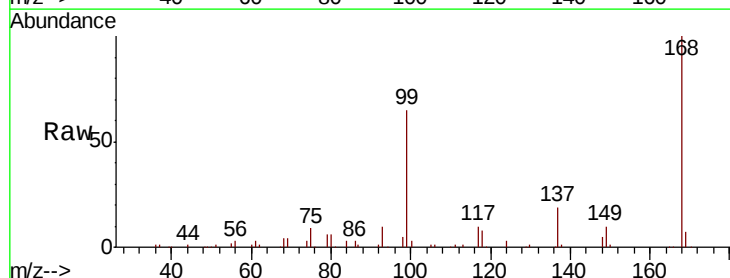
Tgt Ion: 56 Resp: 1658

Ion Ratio Lower Upper

56 100

69 158.7 28.2 42.2#

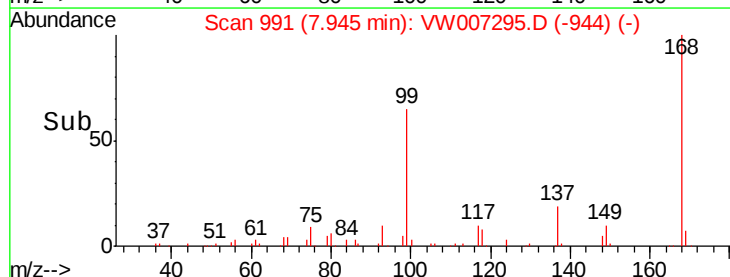
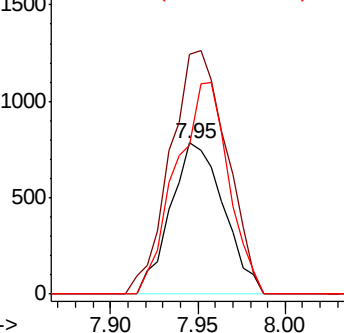
84 98.7 72.1 108.1

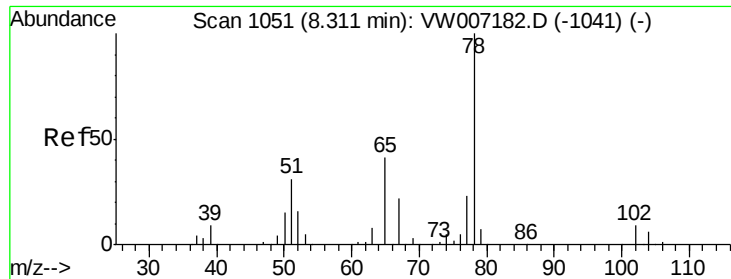


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

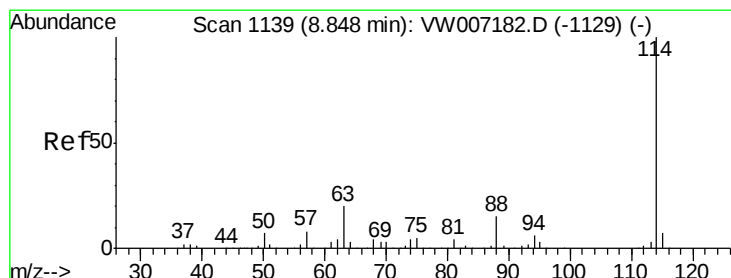
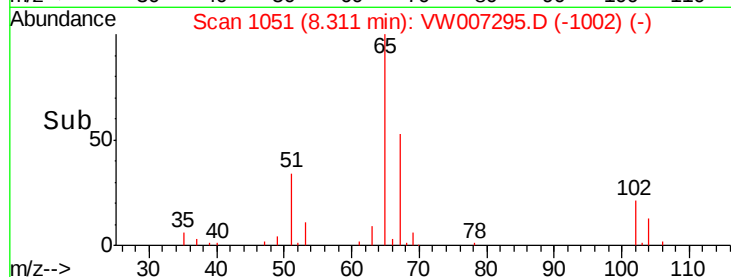
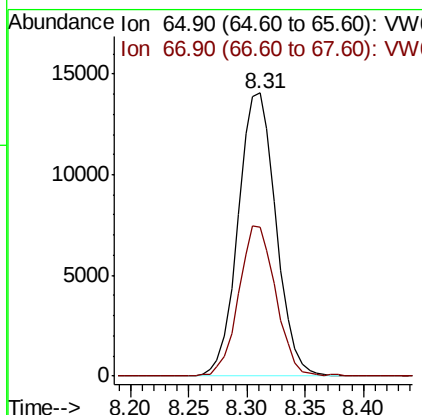
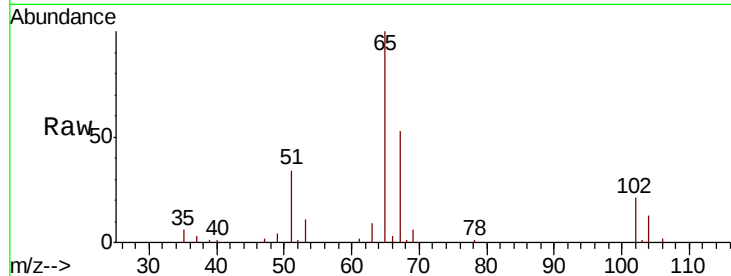




#33
 1,2-Dichloroethane-d4
 Concen: 43.446 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007295.D
 Acq: 06 Dec 2018 22:33

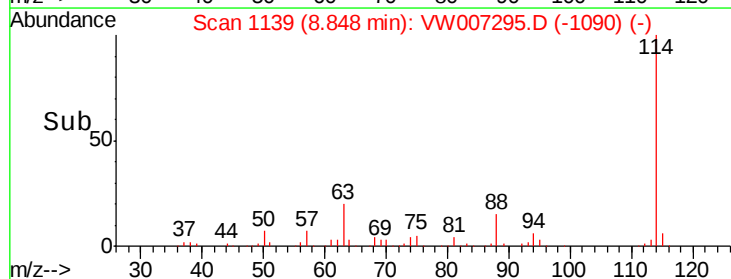
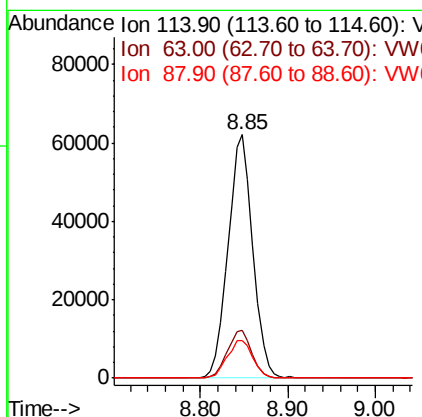
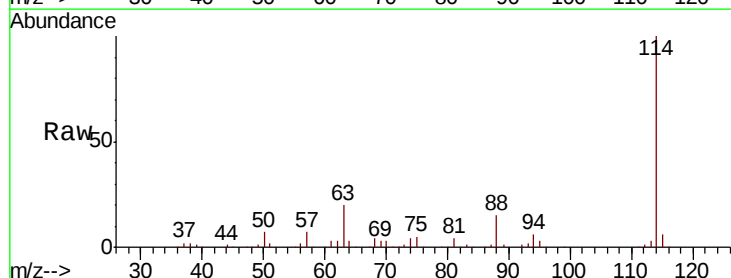
Instrument :
 MSVOA_W
 ClientSampleId :

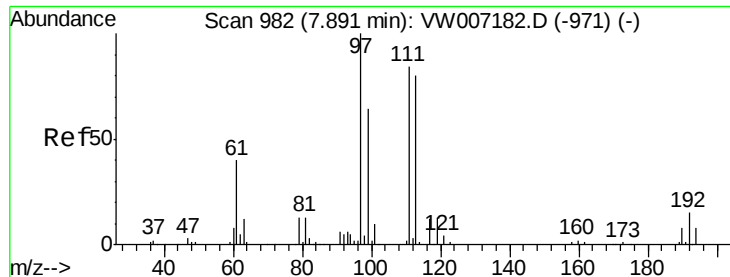
Tot Ion: 65 Resp: 31828
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007295.D
 Acq: 06 Dec 2018 22:33

Tgt Ion: 114 Resp: 121486
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.2
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 41.521 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

Instrument :
MSVOA_W
ClientSampleId :

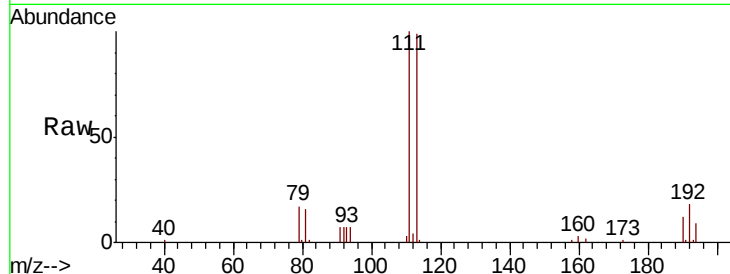
Tot Ion:113 Resp: 28883

Ion Ratio Lower Upper

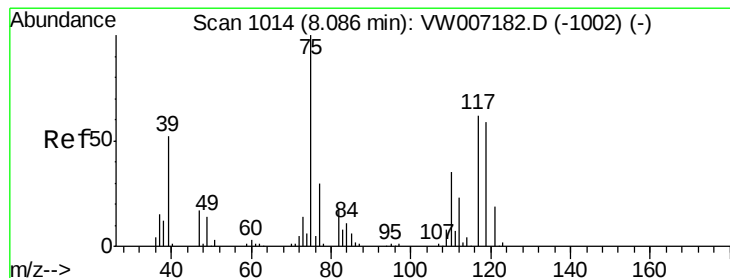
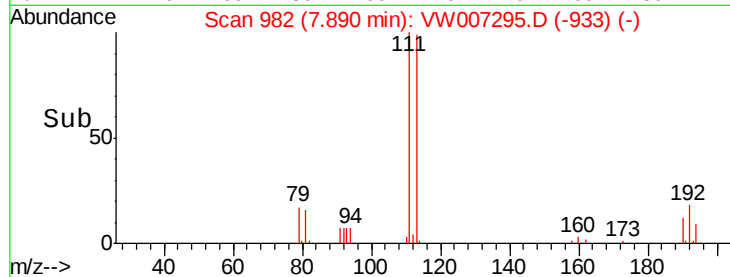
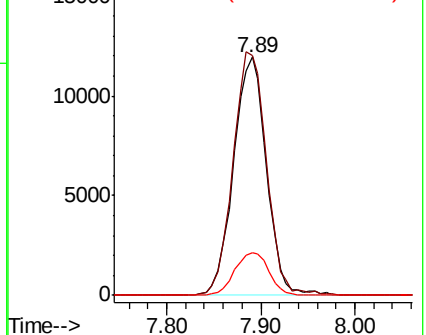
113 100

111 103.9 82.2 123.4

192 18.5 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

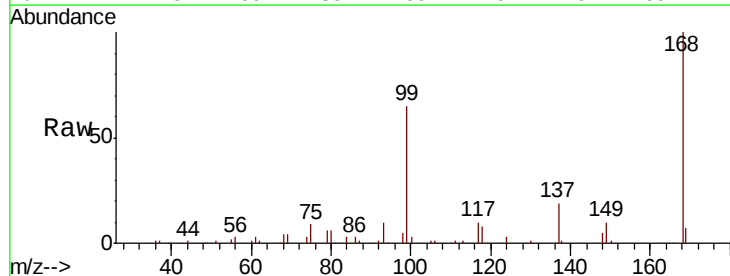
Tgt Ion: 75 Resp: 5801

Ion Ratio Lower Upper

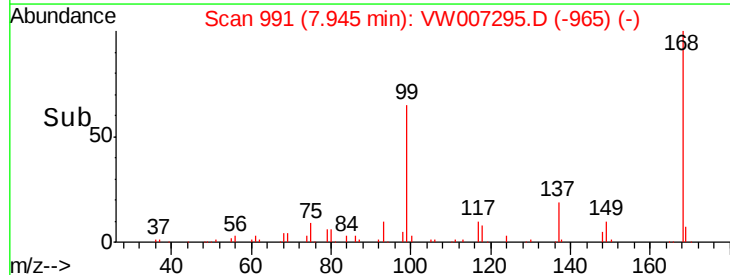
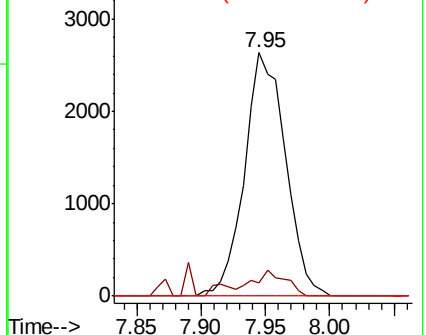
75 100

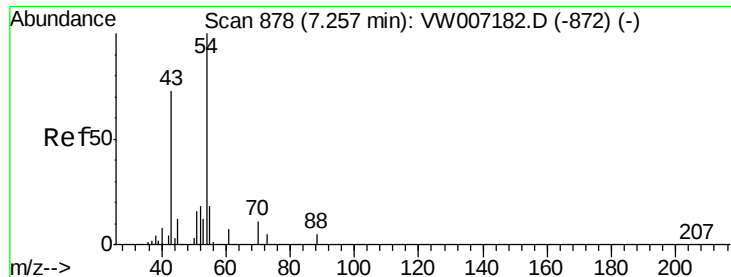
110 8.3 18.3 54.9#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.153 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.12 min

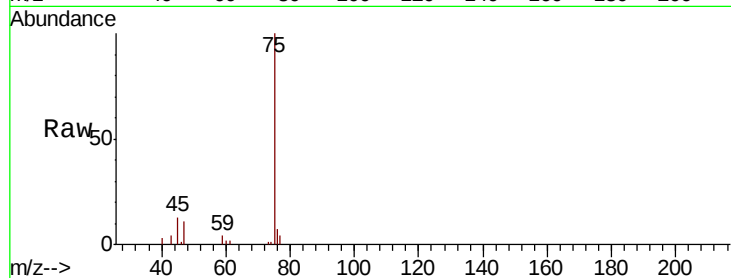
Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

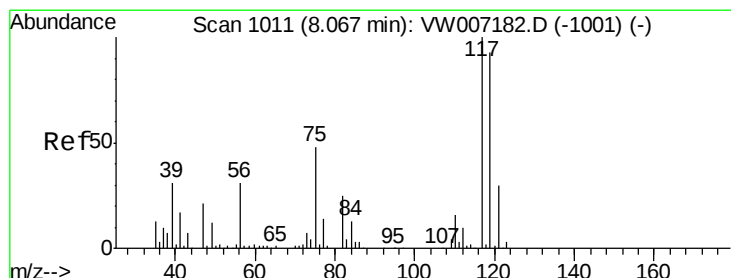
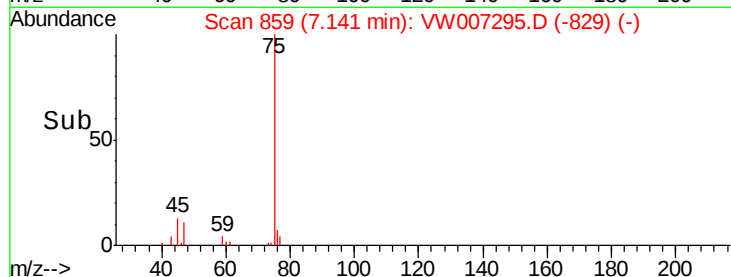
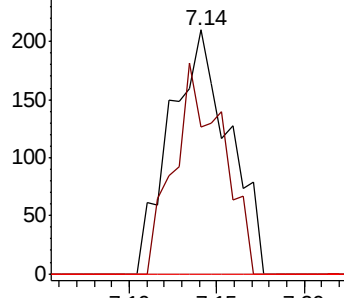
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 493

Ion	Ratio	Lower	Upper
43	100		
61	70.4	12.1	18.1#
70	0.0	9.1	13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.612 ug/l

RT: 7.95 min Scan# 992

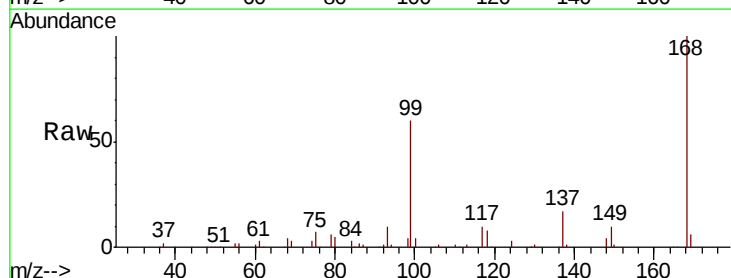
Delta R.T. -0.12 min

Lab File: VW007295.D

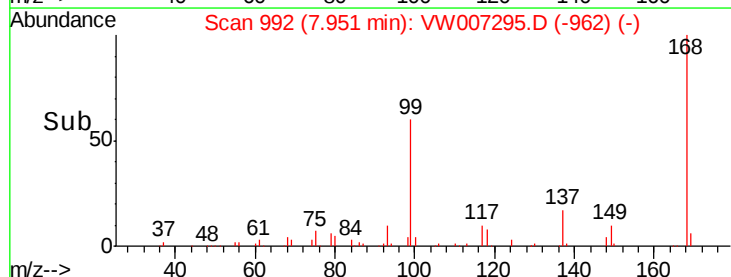
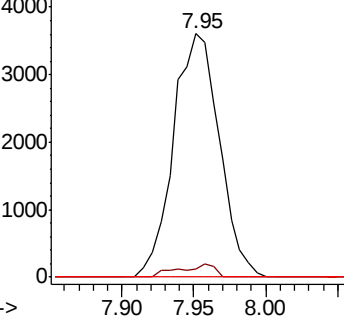
Acq: 06 Dec 2018 22:33

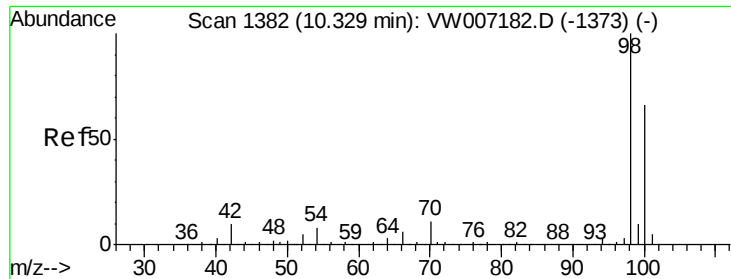
Tgt Ion: 117 Resp: 7977

Ion	Ratio	Lower	Upper
117	100		
119	3.1	74.1	111.1#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 34.196 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

Instrument :

MSVOA_W

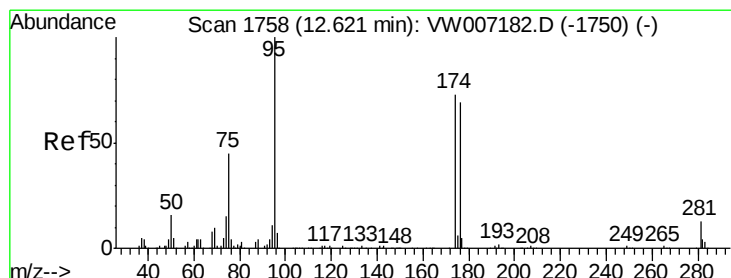
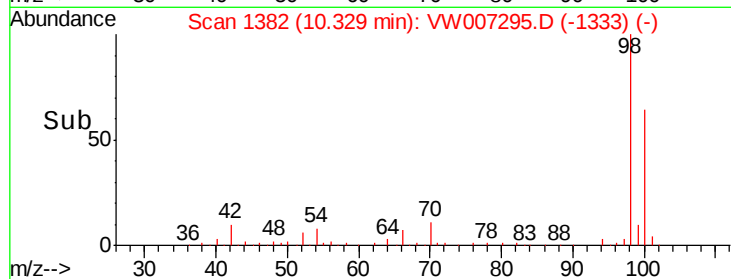
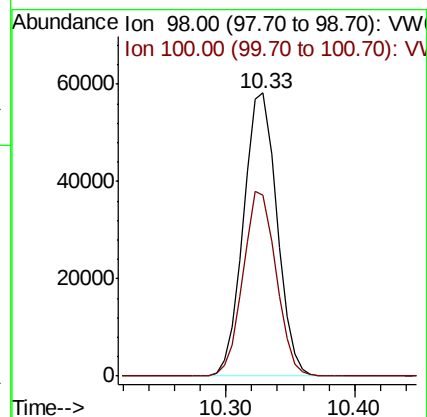
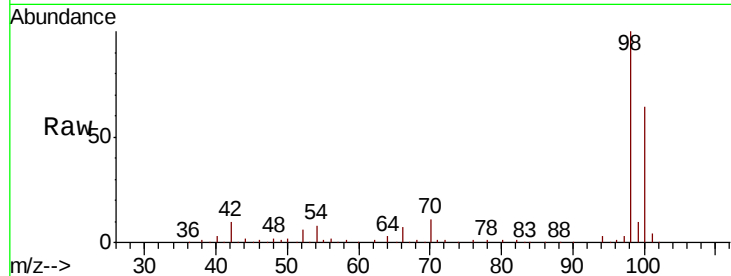
ClientSampleId :

Tot Ion: 98 Resp: 104785

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 24.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

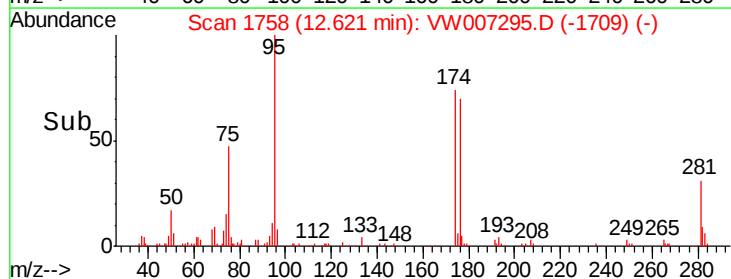
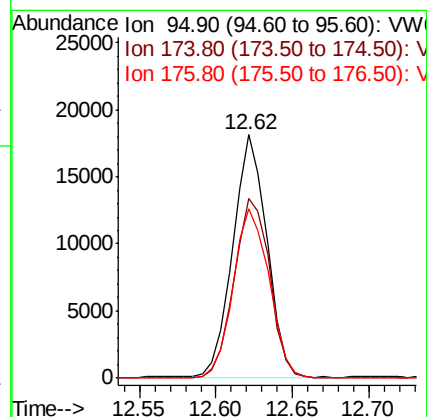
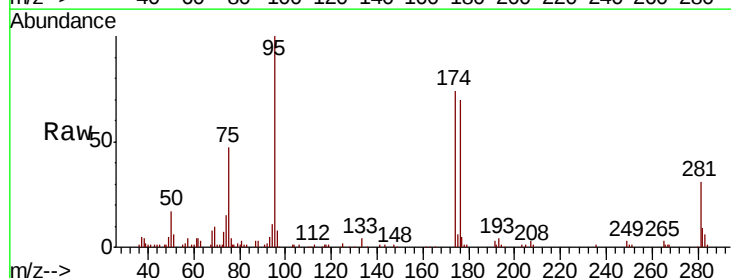
Tgt Ion: 95 Resp: 28124

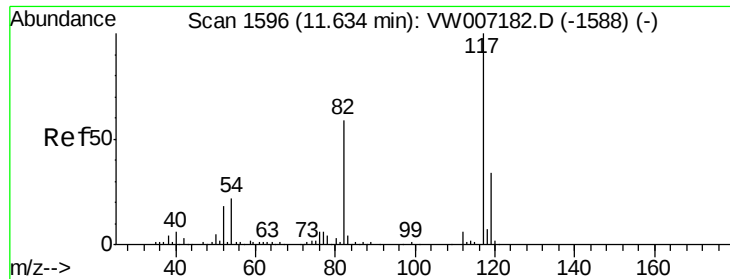
Ion Ratio Lower Upper

95 100

174 76.9 0.0 148.0

176 72.8 0.0 139.4

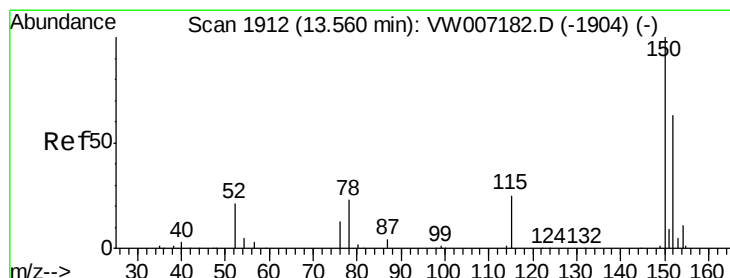
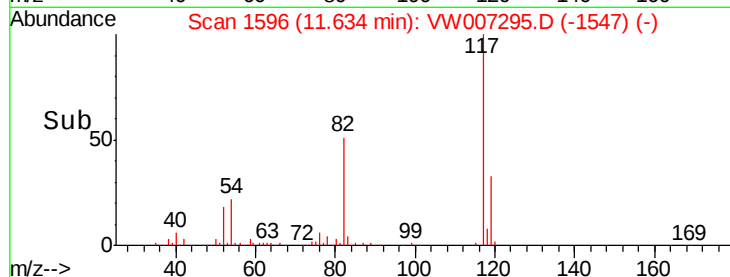
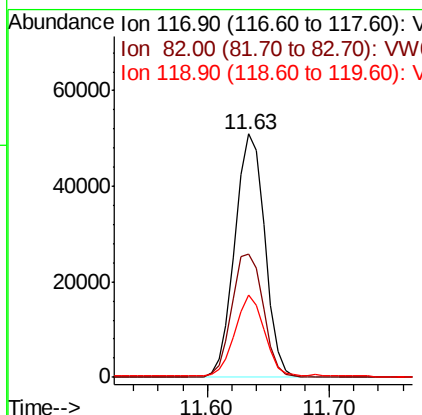
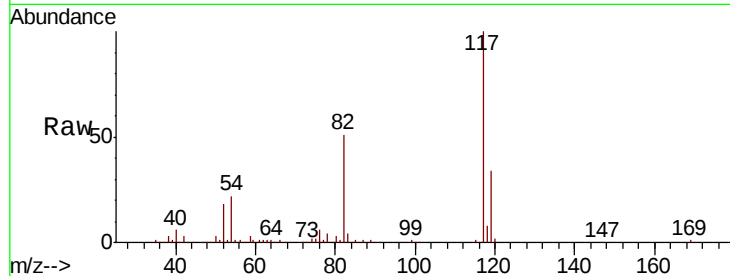




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

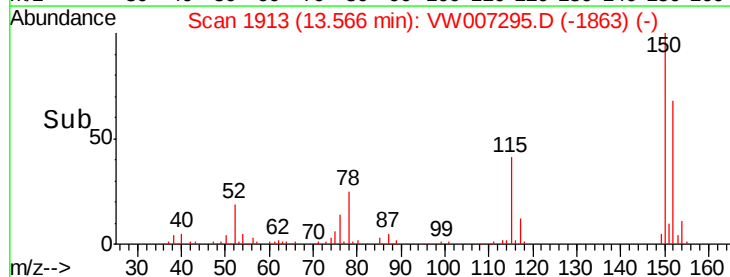
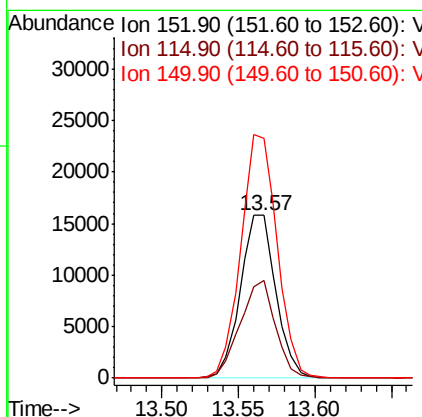
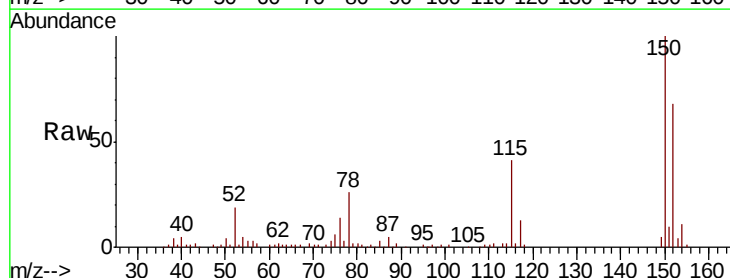
Instrument :
MSVOA_W
ClientSampled :

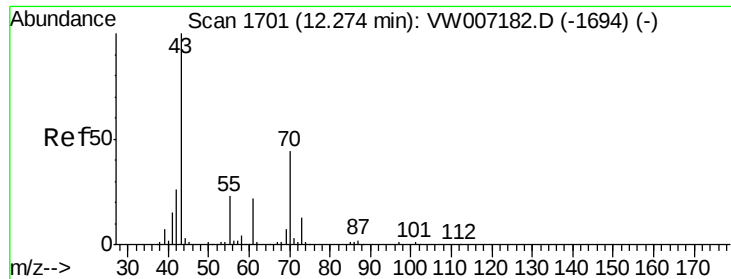
Tot Ion:117 Resp: 86676
Ion Ratio Lower Upper
117 100
82 50.9 47.4 71.2
119 33.4 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

Tgt Ion:152 Resp: 25416
Ion Ratio Lower Upper
152 100
115 59.7 31.3 93.8
150 152.4 0.0 358.0





#74

N-amvl acetate

Concen: 3.476 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1274

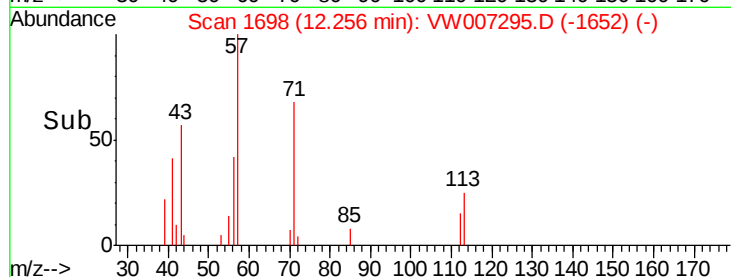
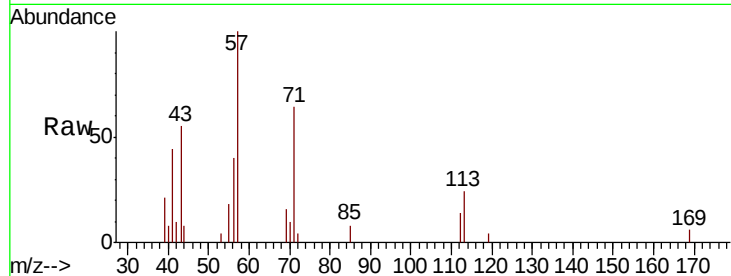
Ion Ratio Lower Upper

43 100

70 10.7 34.0 51.0#

55 21.0 19.0 28.6

61 0.0 19.7 29.5#

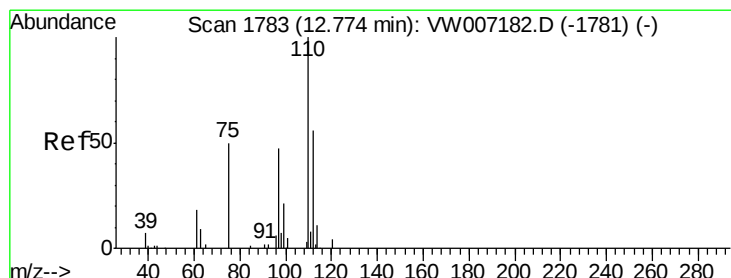
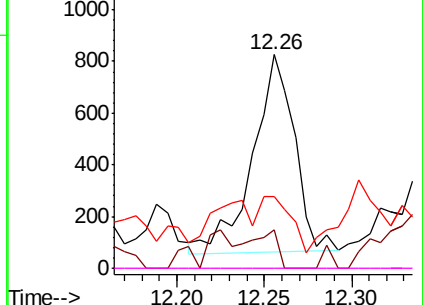


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 72.770 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007295.D

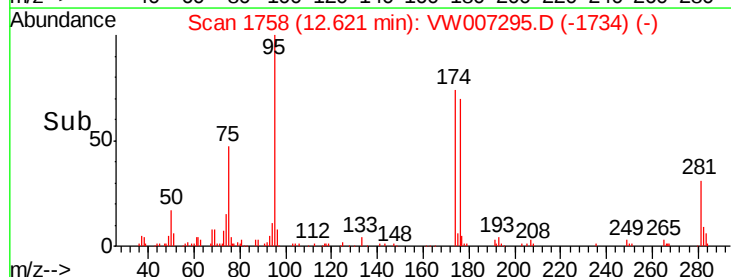
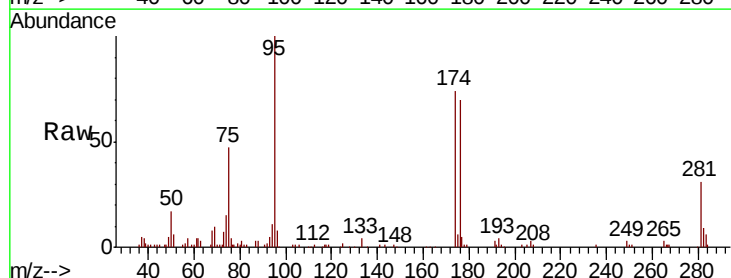
Acq: 06 Dec 2018 22:33

Tgt Ion: 75 Resp: 14321

Ion Ratio Lower Upper

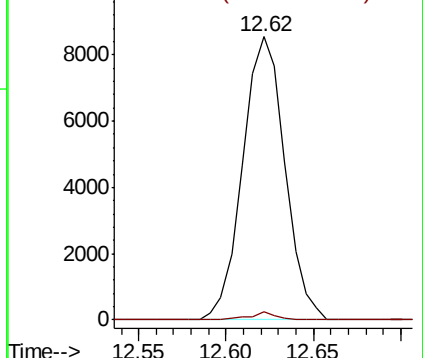
75 100

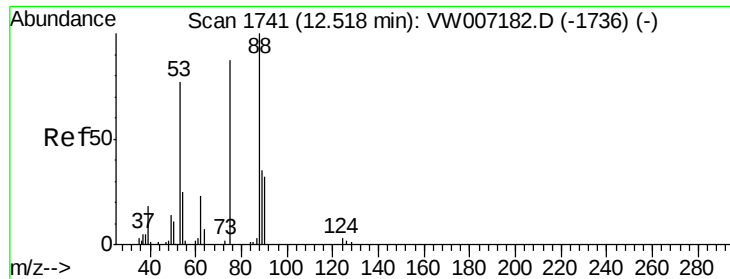
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

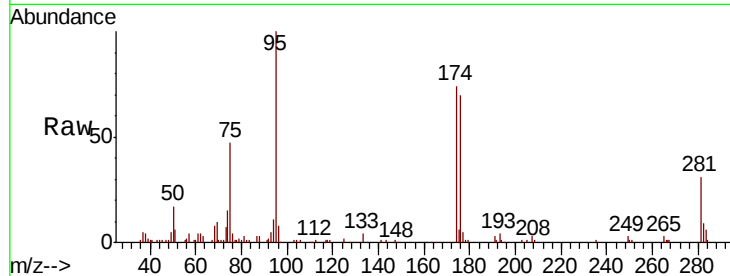




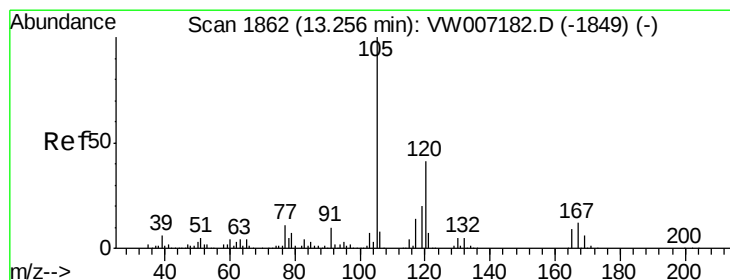
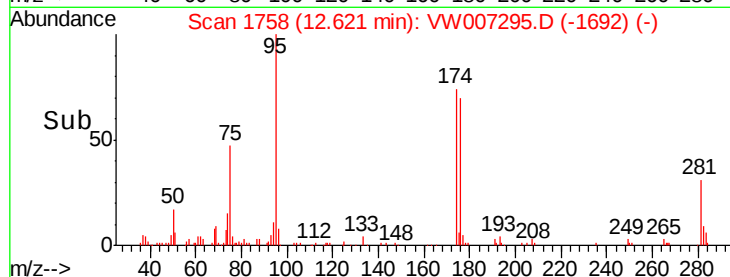
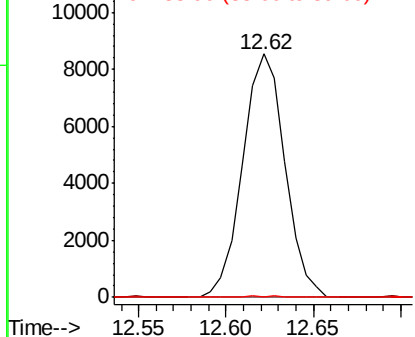
#81
trans-1,4-Dichloro-2-butene
Concen: 156.845 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 14321
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.3 36.4 54.6#

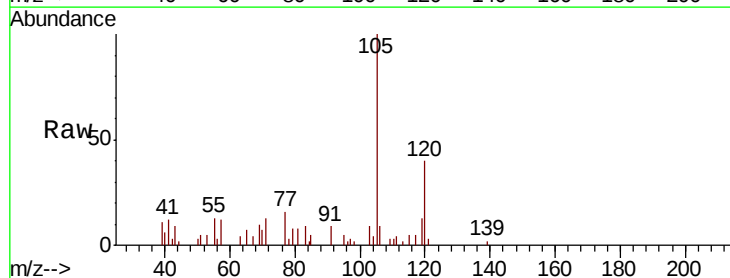


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

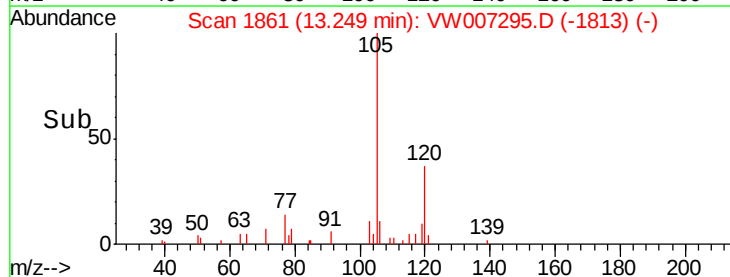
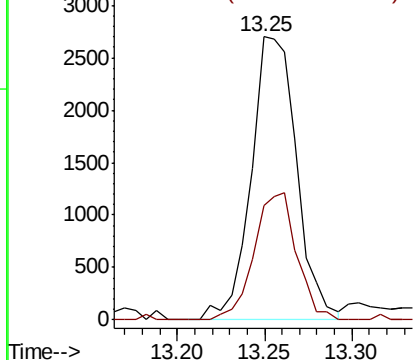


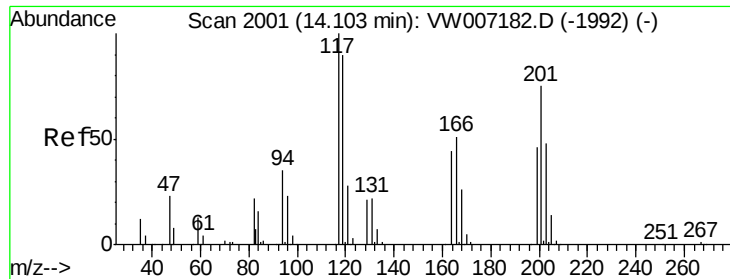
#84
1,2,4-Trimethylbenzene
Concen: 2.725 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

Tgt Ion:105 Resp: 4919
Ion Ratio Lower Upper
105 100
120 42.1 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 1.600 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

Instrument :

MSVOA_W

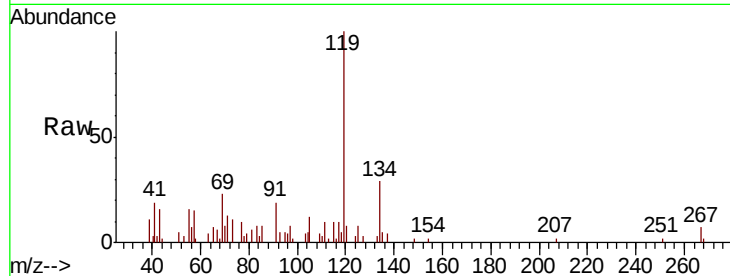
ClientSampled :

Tot Ion:117 Resp: 479

Ion Ratio Lower Upper

117 100

201 0.0 36.0 108.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.10

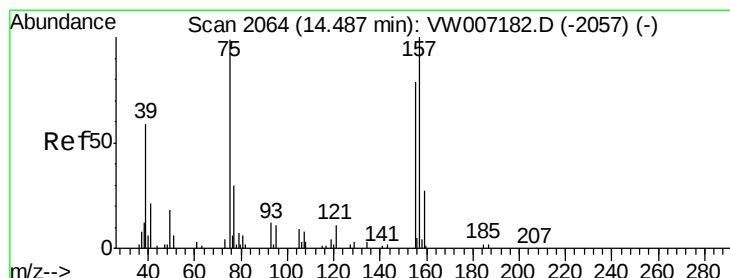
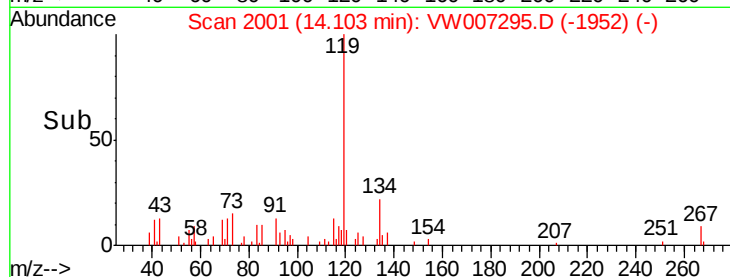
300

200

100

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.038 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW007295.D

Acq: 06 Dec 2018 22:33

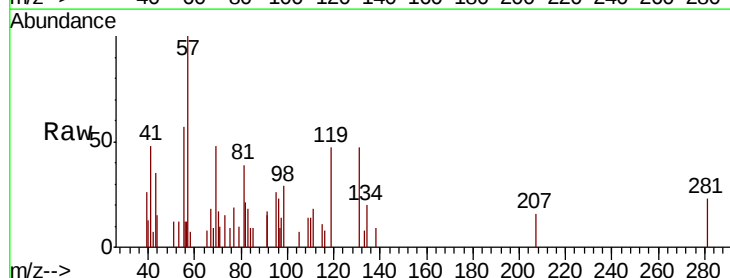
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.2#

157 0.0 55.3 165.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.34

80

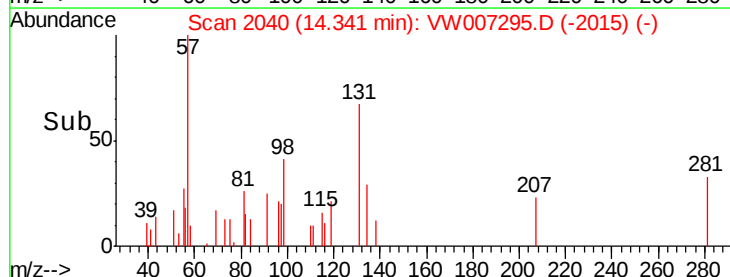
60

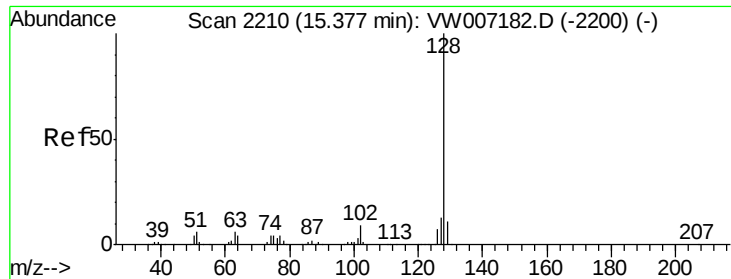
40

20

0

Time-->





#95
Naphthalene
Concen: 1.392 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007295.D
Acq: 06 Dec 2018 22:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.3	15.5#
129	15.0	8.6	13.0#

