

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009270.D
 Acq On : 20 Mar 2019 06:27
 Operator : SY/VA
 Sample : K1987-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190143-COMPOSITE-B

Quant Time: Mar 20 08:23:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	448549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222806	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	198180	61.60	ug/l	0.00
Spiked Amount			Recovery	=	123.20%	
35) Dibromofluoromethane	7.88	113	164402	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	10.32	98	607309	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.62	95	217674	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	

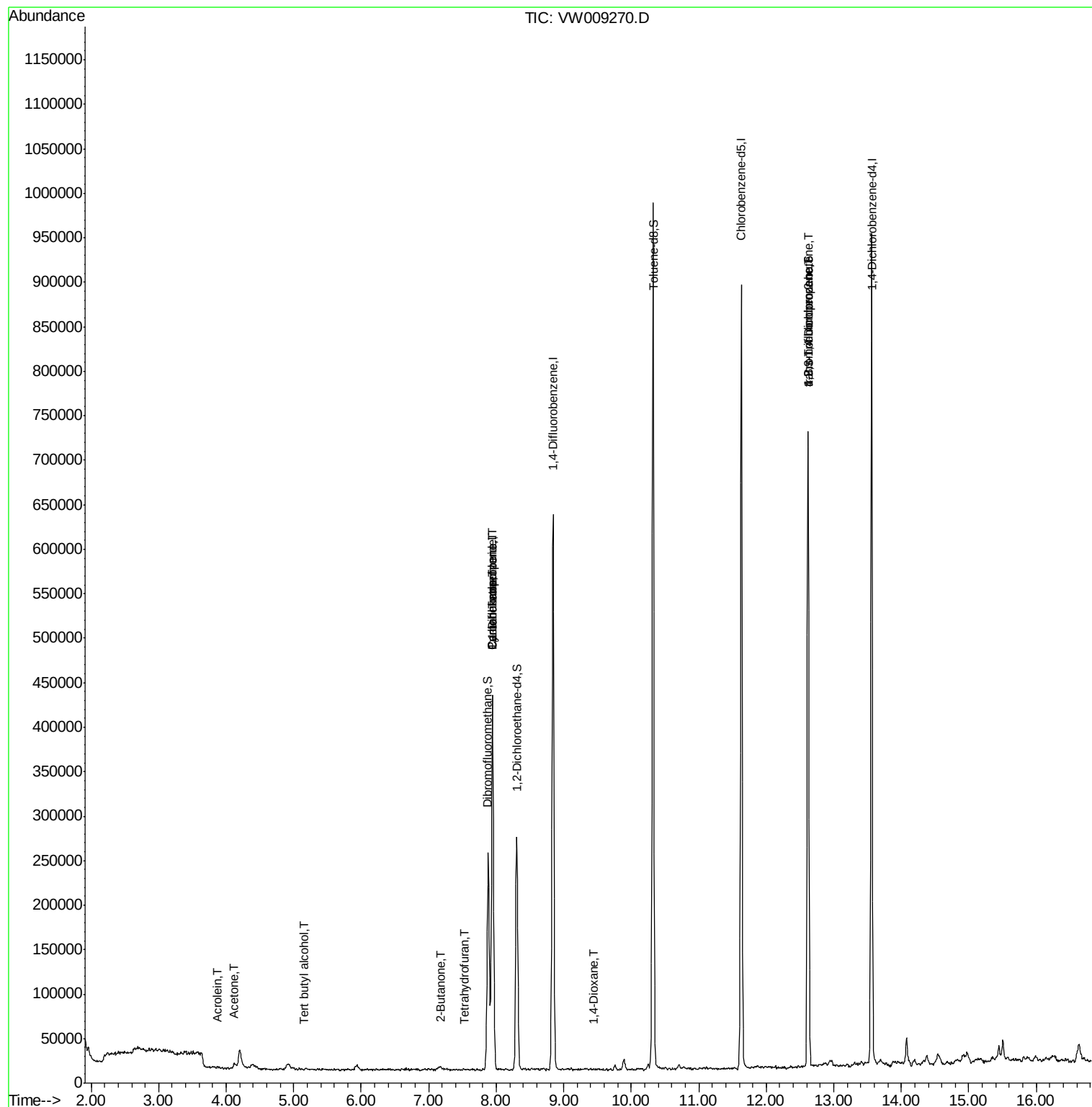
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	161	Below Cal	#	41
11) Tert butyl alcohol	5.16	59	294	1.574	ug/l #	92
13) Acrolein	3.88	56	243	1.594	ug/l #	11
16) Acetone	4.12	43	11940	18.090	ug/l	97
20) Methylene Chloride	4.93	84	5344	Below Cal	#	79
25) 2-Butanone	7.18	43	3578	3.783	ug/l #	88
29) Tetrahydrofuran	7.54	42	721	1.199	ug/l #	42
31) Cyclohexane	7.94	56	7894	1.496	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	25246	5.148	ug/l #	51
38) Carbon Tetrachloride	7.95	117	30185	5.817	ug/l #	17
49) 1,4-Dioxane	9.45	88	37	1.283	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	118769	56.725	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	118769	139.187	ug/l #	7

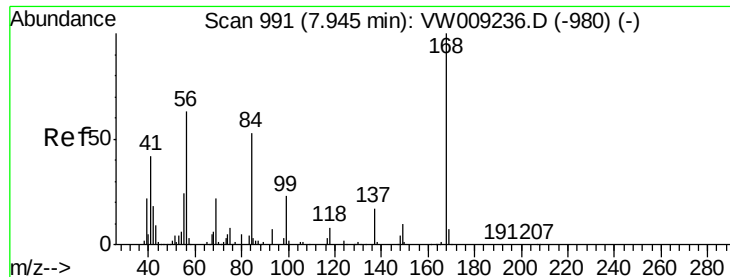
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

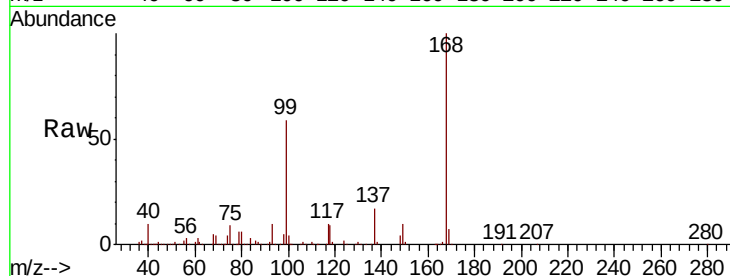
20190143-COMPOSITE-B

Tot Ion:168 Resp: 302457

Ion Ratio Lower Upper

168 100

99 59.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

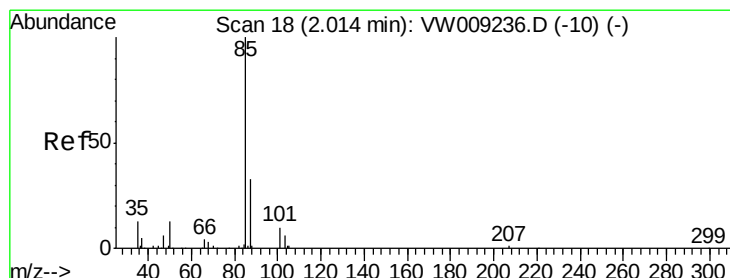
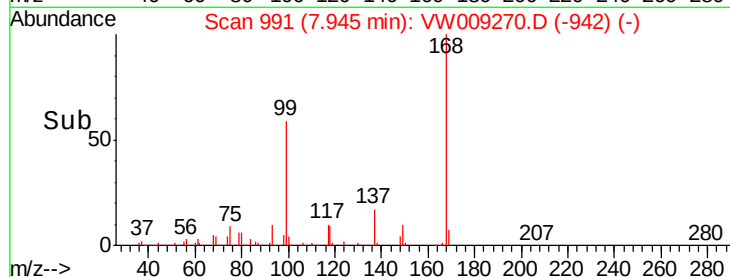
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW009270.D

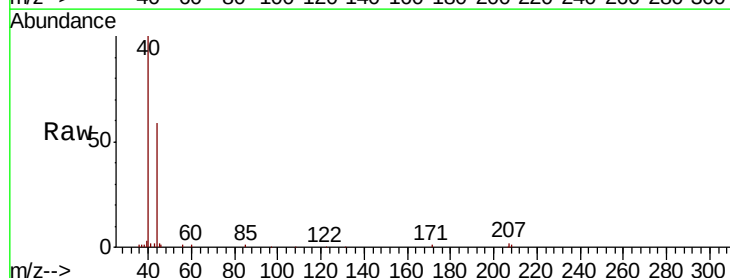
Acq: 20 Mar 2019 06:27

Tgt Ion: 85 Resp: 161

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

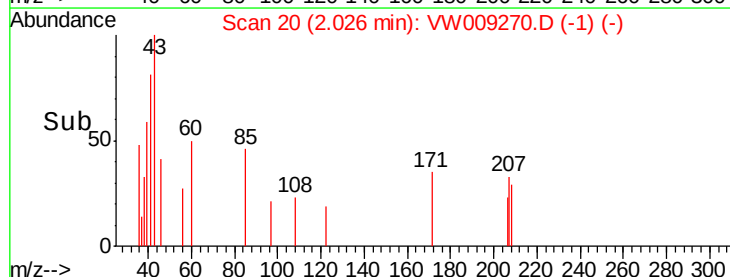
150

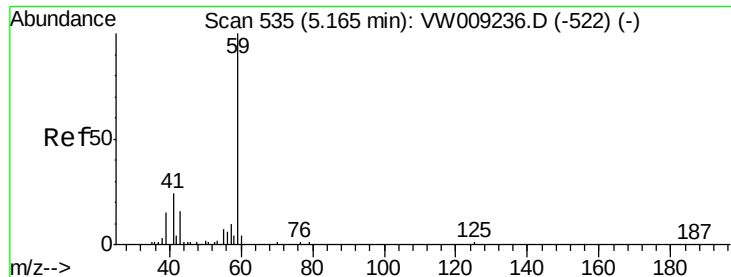
100

50

0

Time--> 1.98 2.00 2.02 2.04 2.06

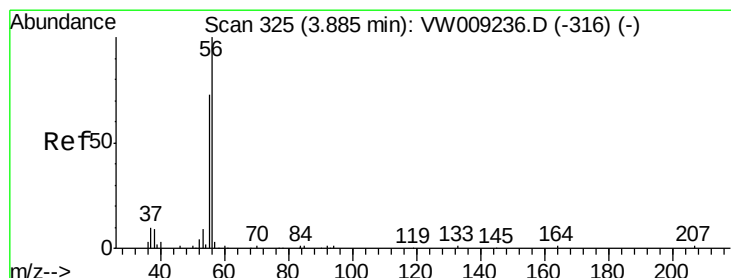
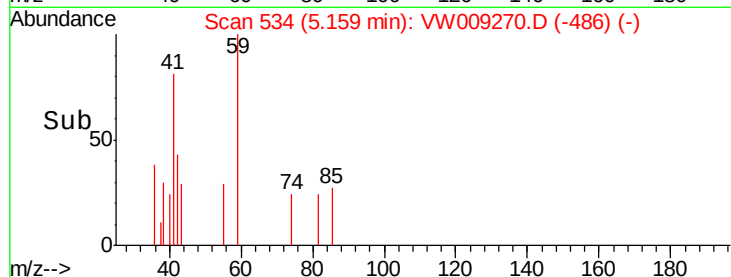
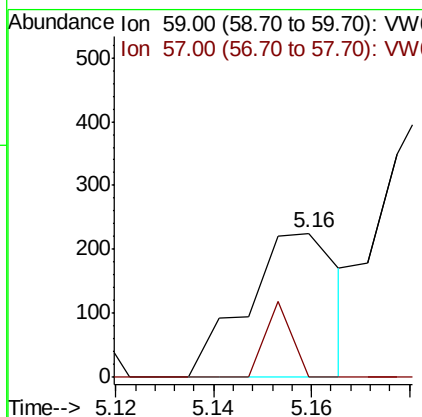
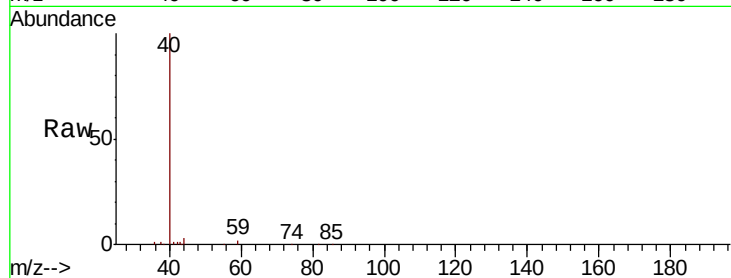




#11
Tert butyl alcohol
Concen: 1.574 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW009270.D
Acq: 20 Mar 2019 06:27

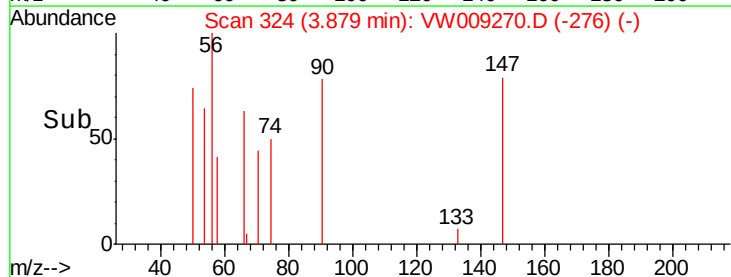
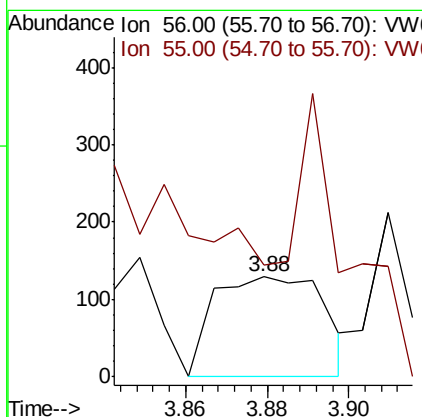
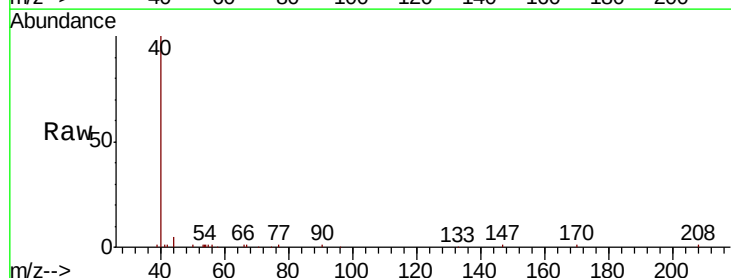
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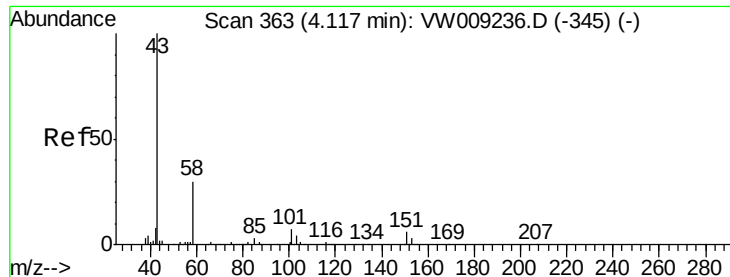
Tot Ion: 59 Resp: 294
Ion Ratio Lower Upper
59 100
57 14.6 9.4 14.0#



#13
Acrolein
Concen: 1.594 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW009270.D
Acq: 20 Mar 2019 06:27

Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 141.6 55.2 82.8#





#16

Acetone

Concen: 18.090 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

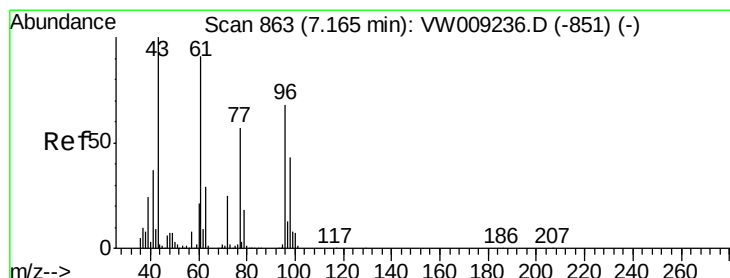
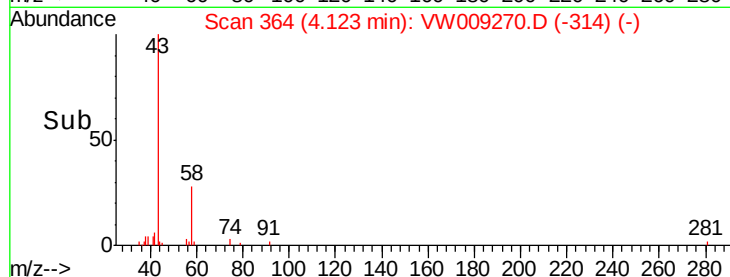
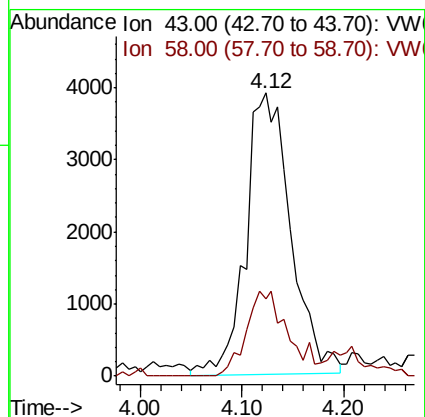
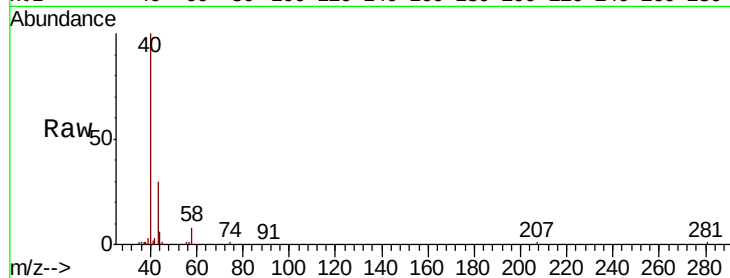
20190143-COMPOSITE-B

Tot Ion: 43 Resp: 11940

Ion Ratio Lower Upper

43 100

58 27.7 23.6 35.4



#25

2-Butanone

Concen: 3.783 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW009270.D

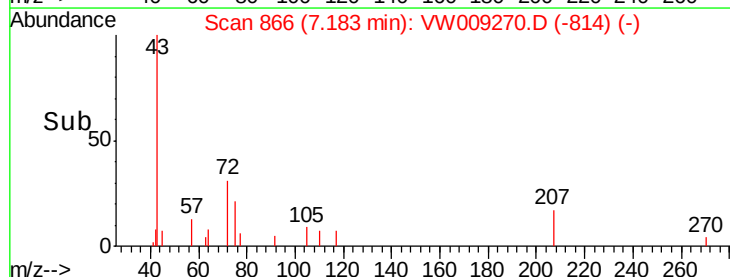
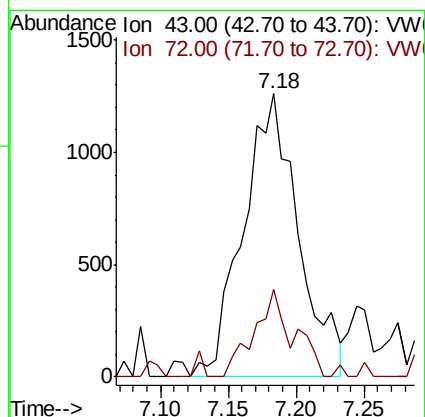
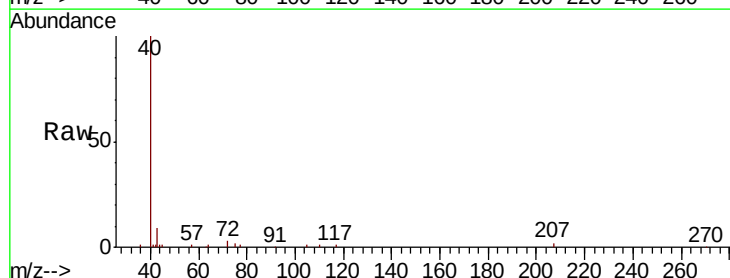
Acq: 20 Mar 2019 06:27

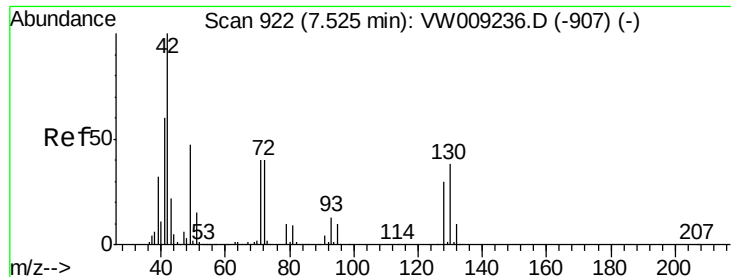
Tgt Ion: 43 Resp: 3578

Ion Ratio Lower Upper

43 100

72 30.9 20.0 30.0#

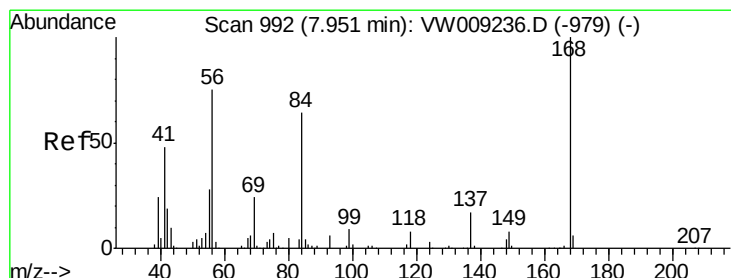
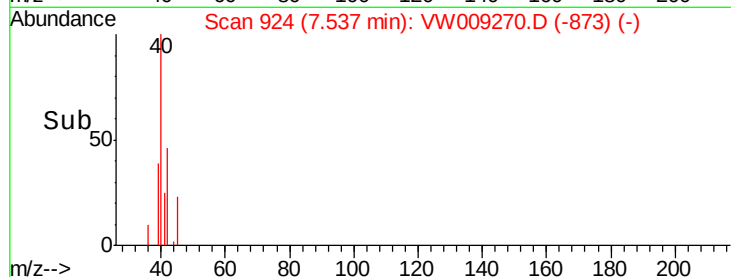
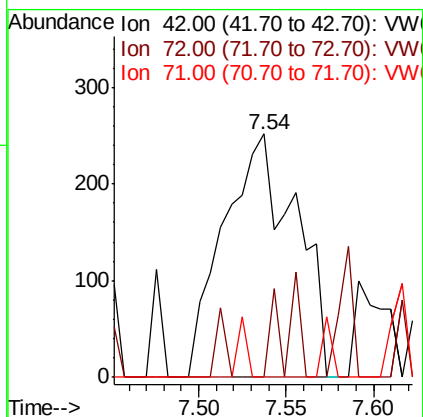
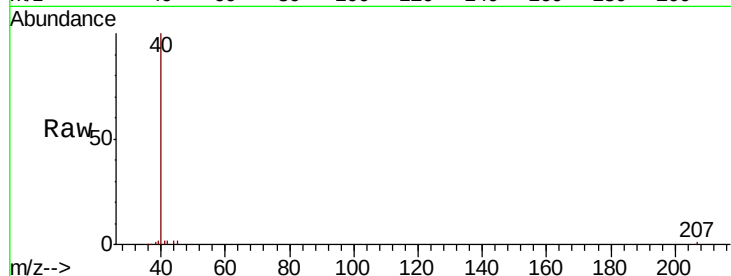




#29
Tetrahydrofuran
Concen: 1.199 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009270.D
Acq: 20 Mar 2019 06:27

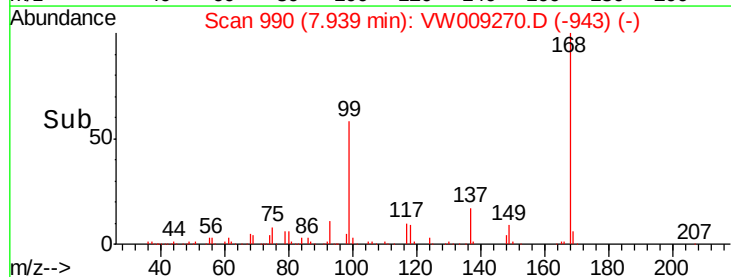
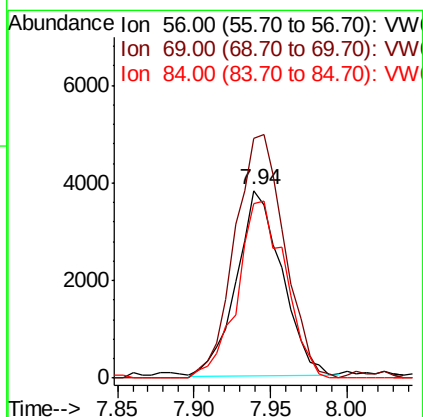
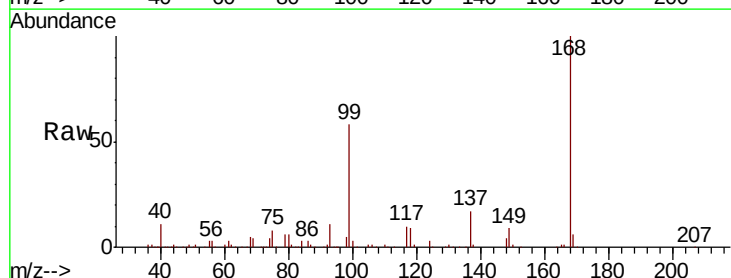
Instrument :
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ClientSampleId :
20190143-COMPOSITE-B

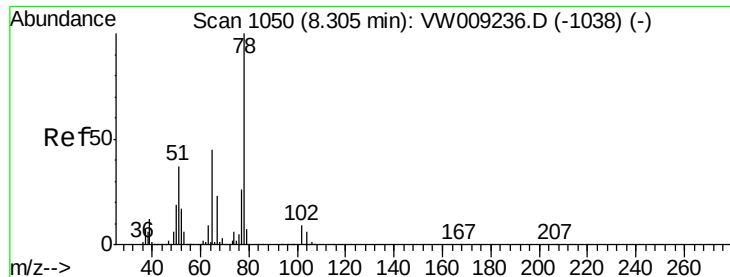
Tot Ion: 42 Resp: 721
Ion Ratio Lower Upper
42 100
72 4.6 32.4 48.6#
71 3.2 30.1 45.1#



#31
Cyclohexane
Concen: 1.496 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009270.D
Acq: 20 Mar 2019 06:27

Tgt Ion: 56 Resp: 7894
Ion Ratio Lower Upper
56 100
69 129.6 26.1 39.1#
84 94.1 68.6 103.0

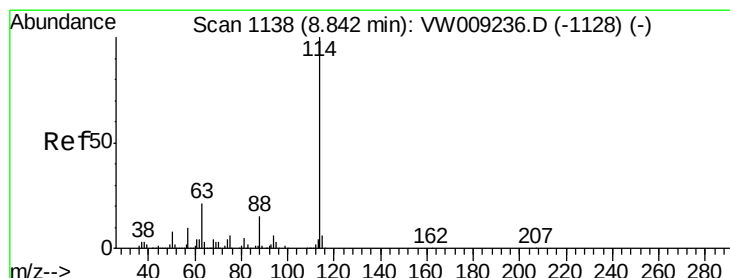
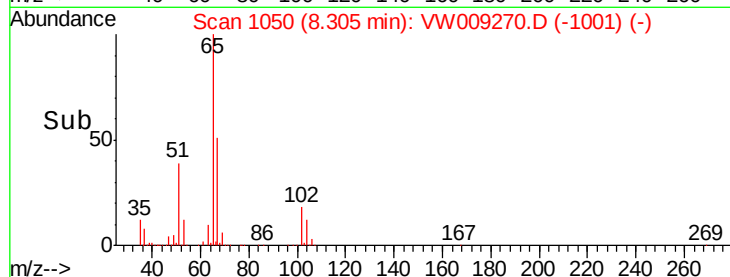
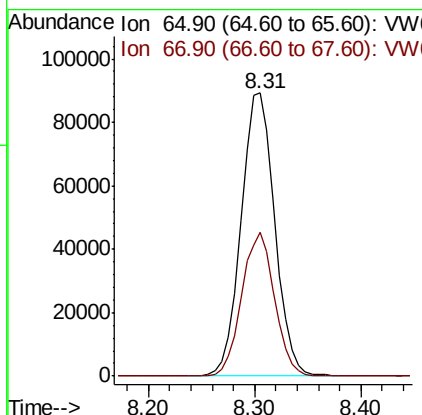
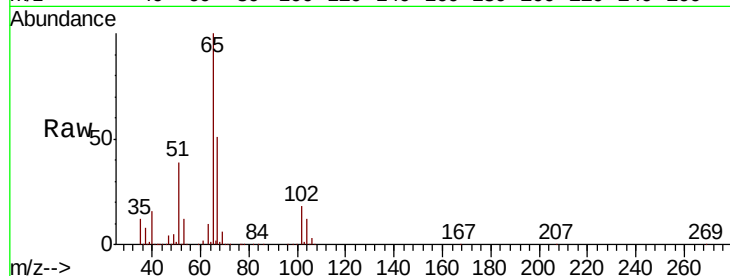




#33
 1,2-Dichloroethane-d4
 Concen: 61.601 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009270.D
 Acq: 20 Mar 2019 06:27

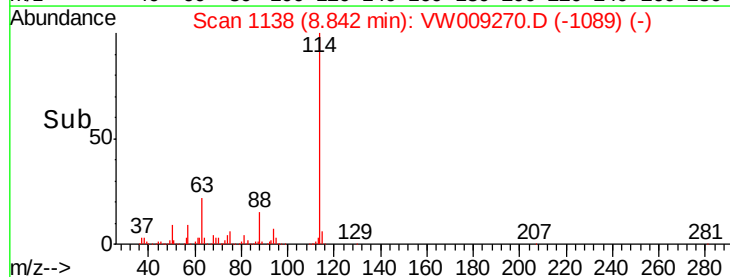
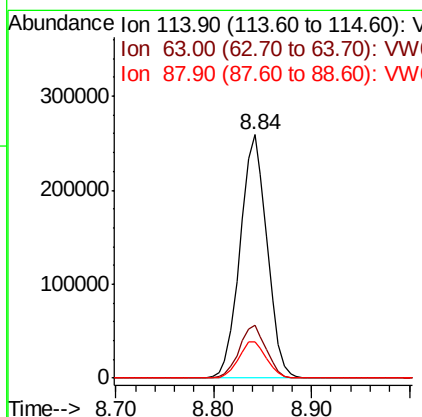
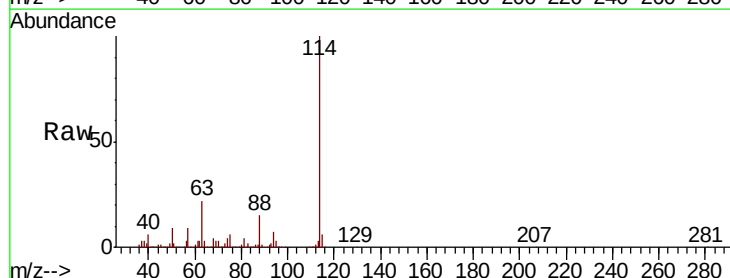
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 ClientSampleId :
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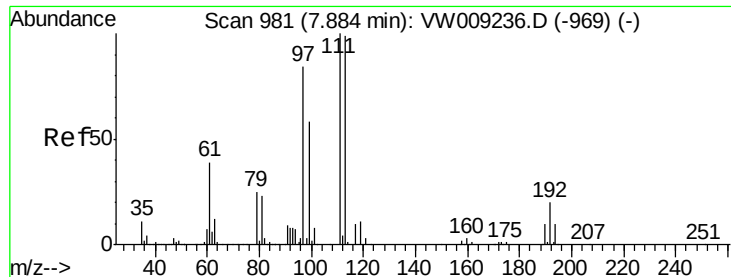
Tot Ion: 65 Resp: 198180
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009270.D
 Acq: 20 Mar 2019 06:27

Tgt Ion: 114 Resp: 492773
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.2
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.594 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

20190143-COMPOSITE-B

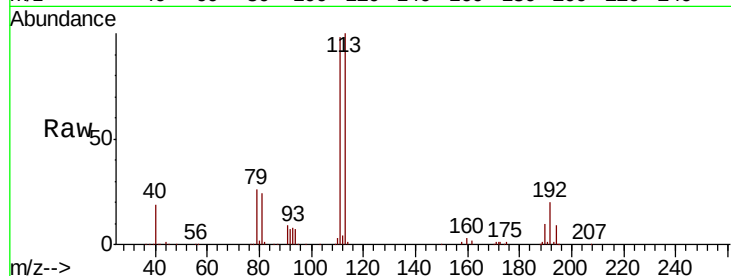
Tot Ion:113 Resp: 164402

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

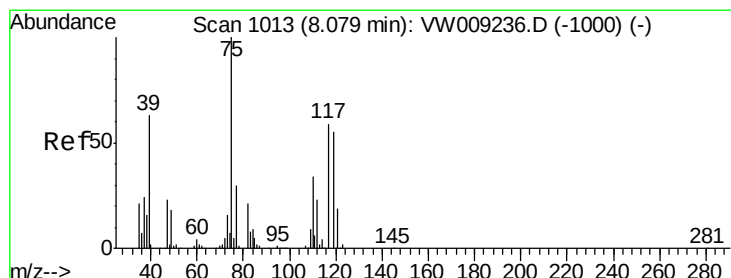
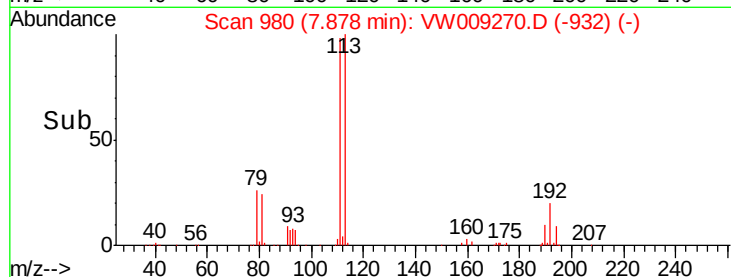
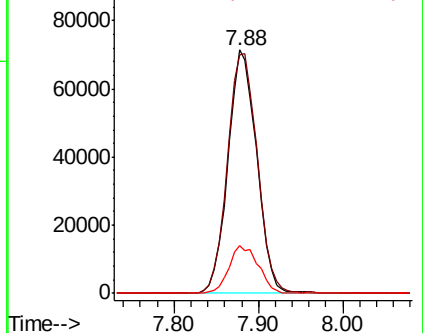
192 20.2 16.4 24.6



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: 5.148 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

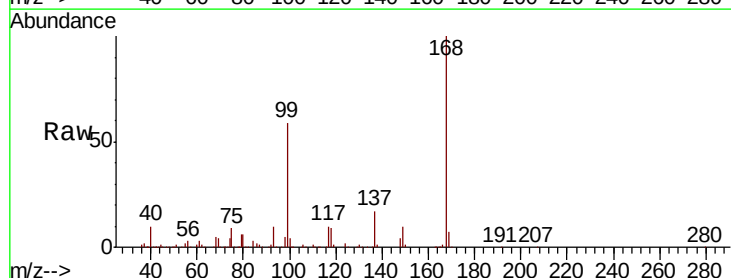
Tgt Ion: 75 Resp: 25246

Ion Ratio Lower Upper

75 100

110 9.0 16.8 50.4#

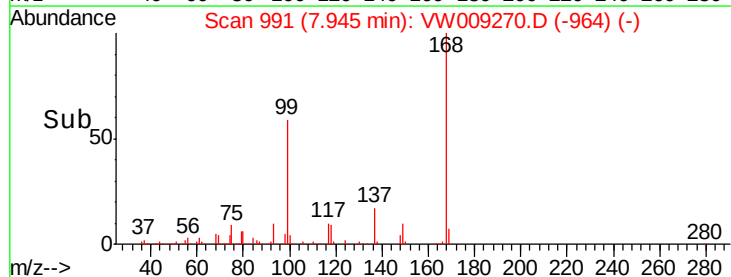
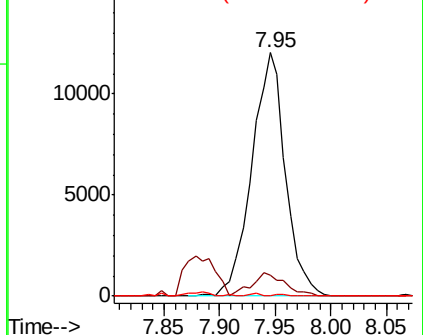
77 0.4 24.6 36.8#

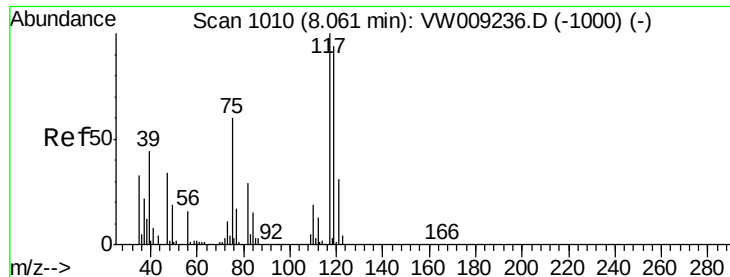


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

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20190143-COMPOSITE-B

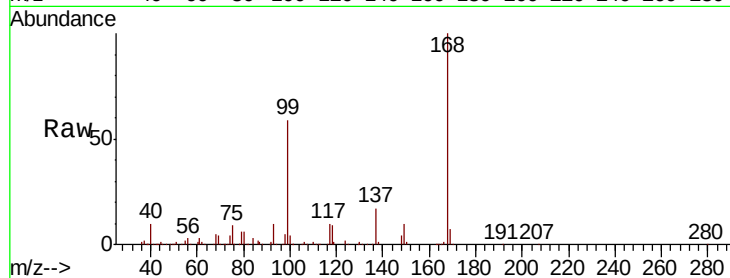
Tot Ion:117 Resp: 30185

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.0#

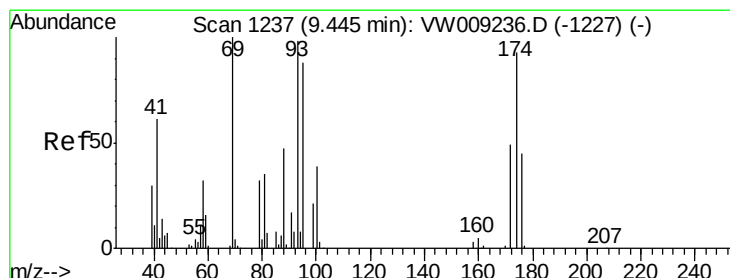
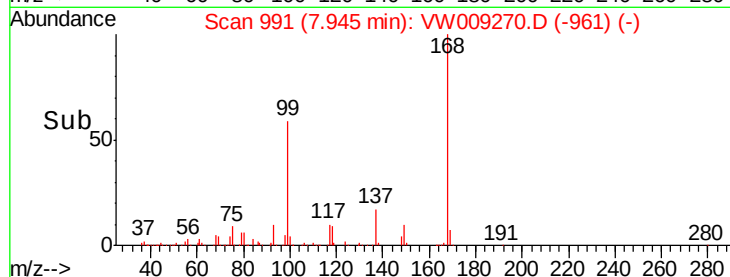
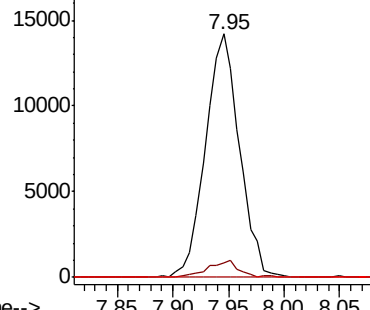
121 0.0 24.9 37.3#



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



#49

1,4-Dioxane

Concen: 1.283 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

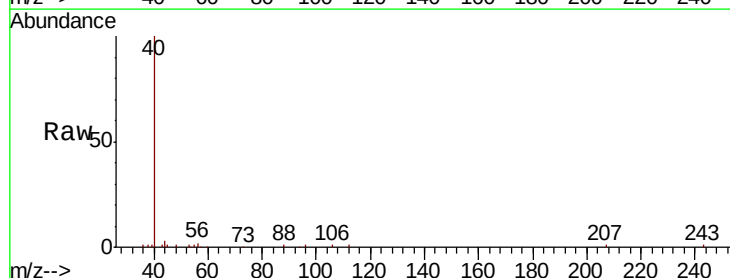
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 356.8 29.7 44.5#

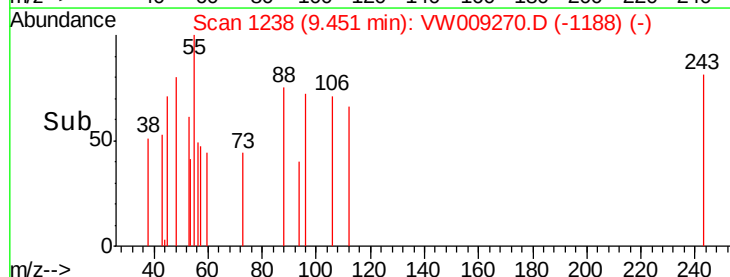
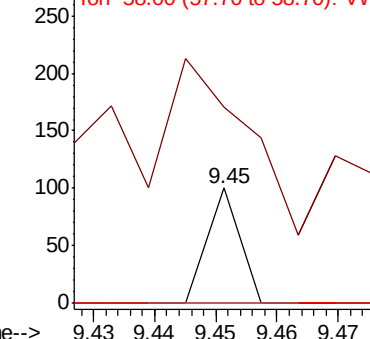
58 0.0 58.1 87.1#

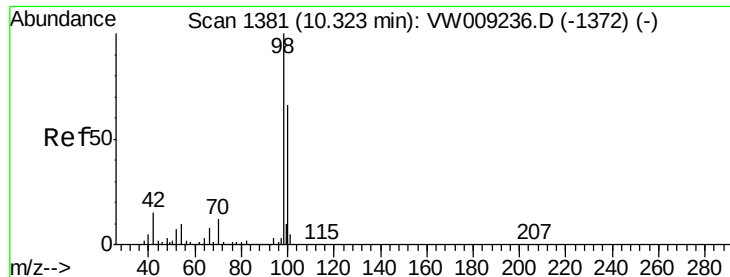


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.462 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

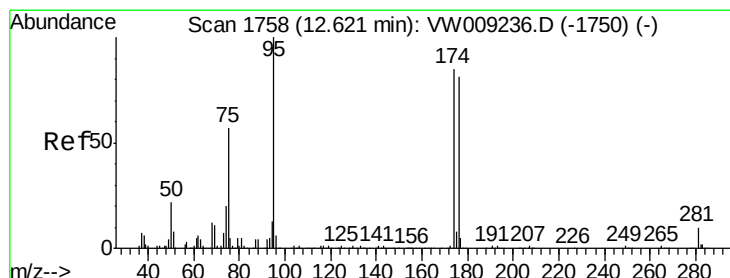
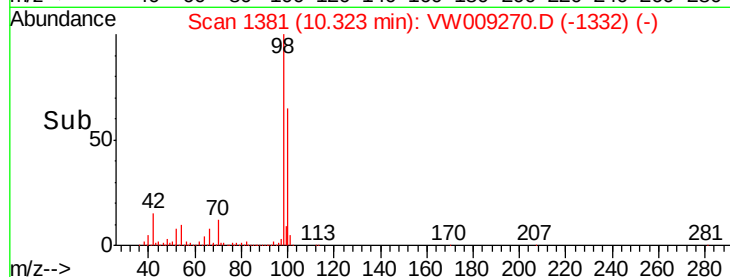
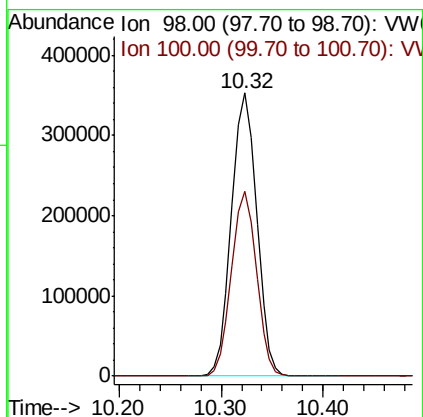
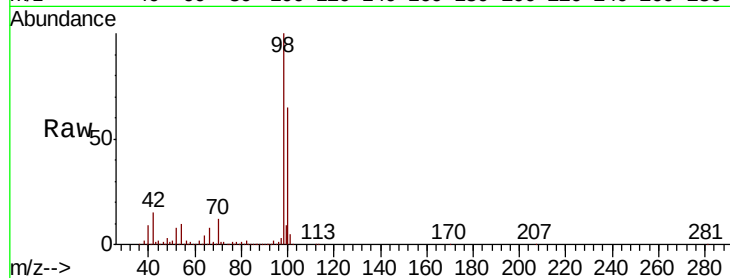
20190143-COMPOSITE-B

Tot Ion: 98 Resp: 607309

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 52.189 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

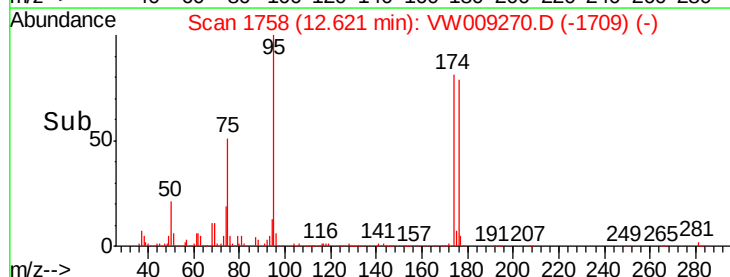
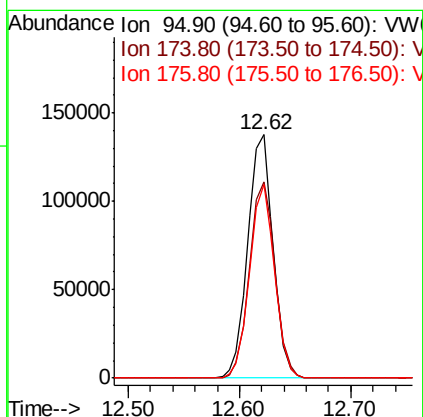
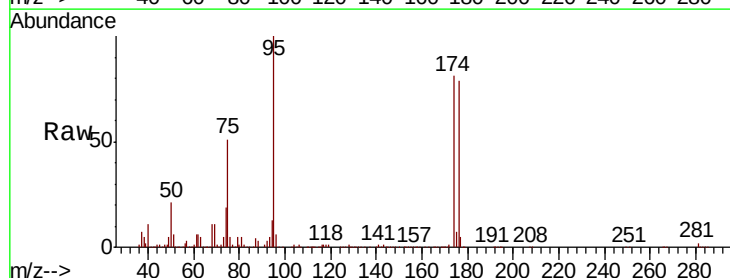
Tgt Ion: 95 Resp: 217674

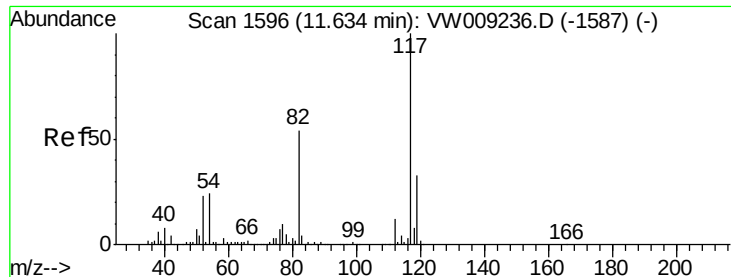
Ion Ratio Lower Upper

95 100

174 81.8 0.0 168.4

176 78.6 0.0 161.6

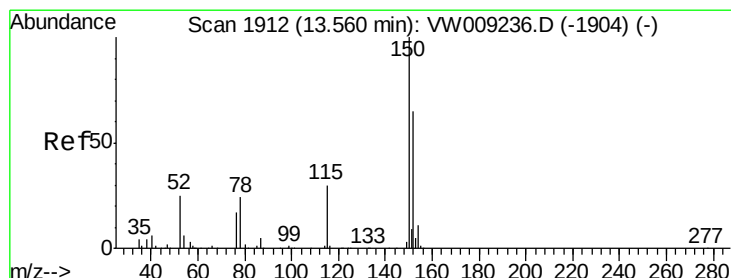
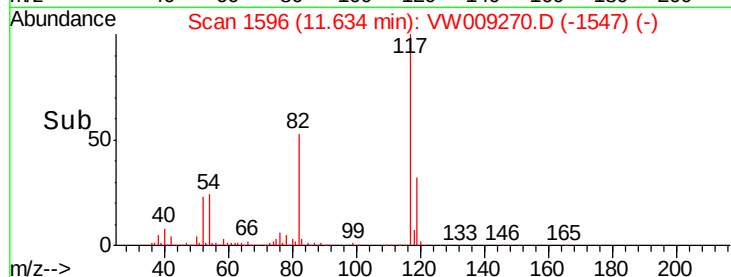
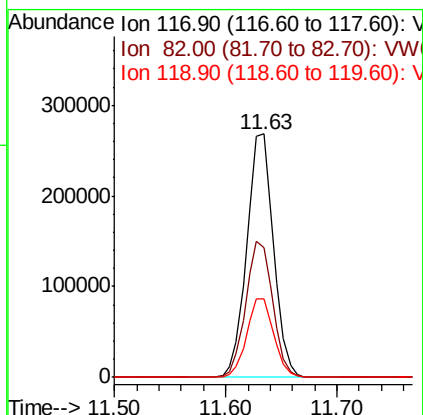
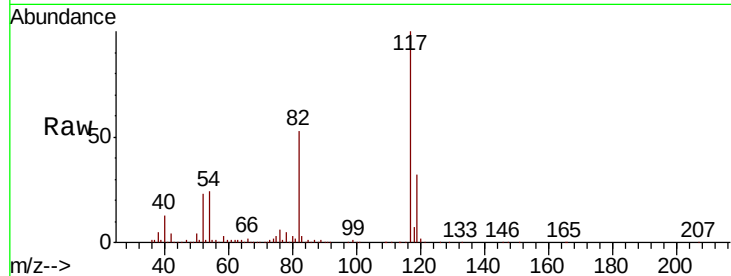




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009270.D
Acq: 20 Mar 2019 06:27

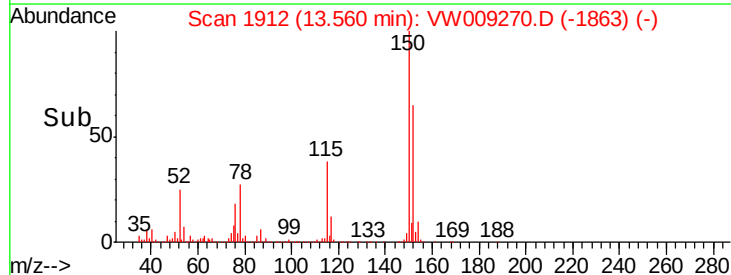
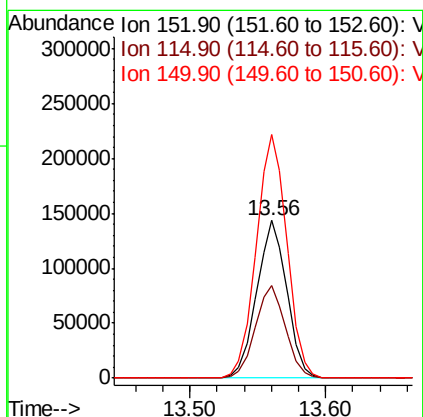
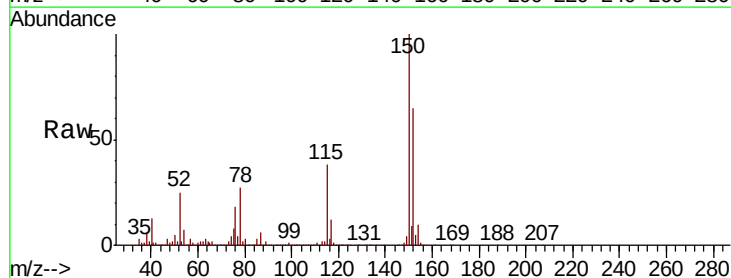
Instrument :
MSVOA_W
ClientSampleId :
20190143-COMPOSITE-B

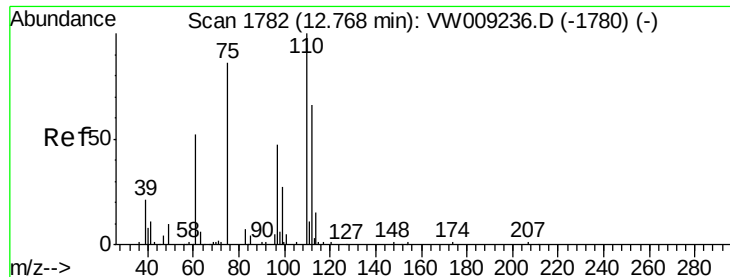
Tot Ion:117 Resp: 448549
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009270.D
Acq: 20 Mar 2019 06:27

Tgt Ion:152 Resp: 222806
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 157.4 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 56.725 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

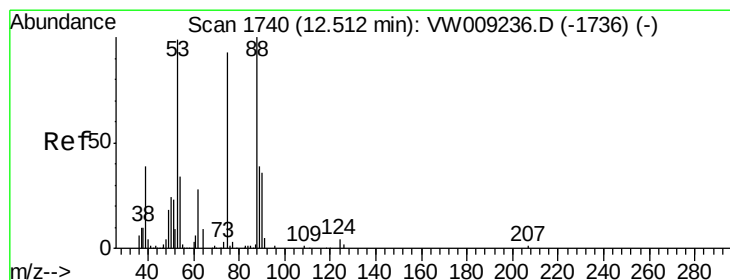
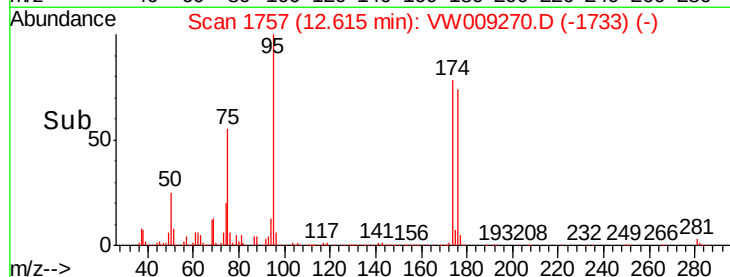
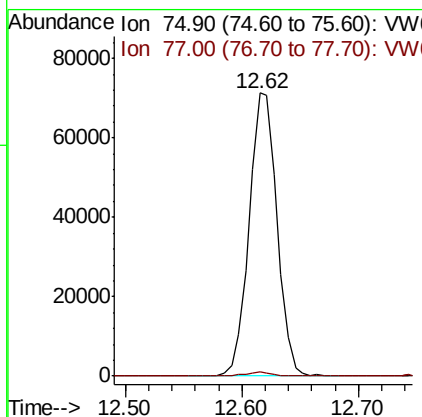
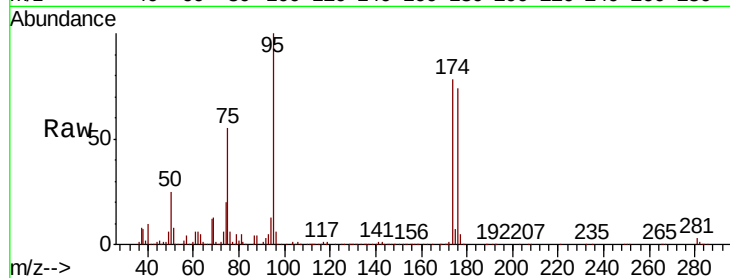
20190143-COMPOSITE-B

Tot Ion: 75 Resp: 118769

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.187 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009270.D

Acq: 20 Mar 2019 06:27

Tgt Ion: 75 Resp: 118769

Ion Ratio Lower Upper

75 100

53 0.2 86.7 130.1#

89 0.1 36.4 54.6#

