

Data File : VW008204.D
Acq On : 11 Jan 2019 19:43
Operator : SY/VA
Sample : K1081-03
Misc : 7.30G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUP-3A-G-3-010819

Quant Time: Jan 12 00:17:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	111953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	193165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60655	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.88	113	58741	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	239400	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	80765	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	

Target Compounds

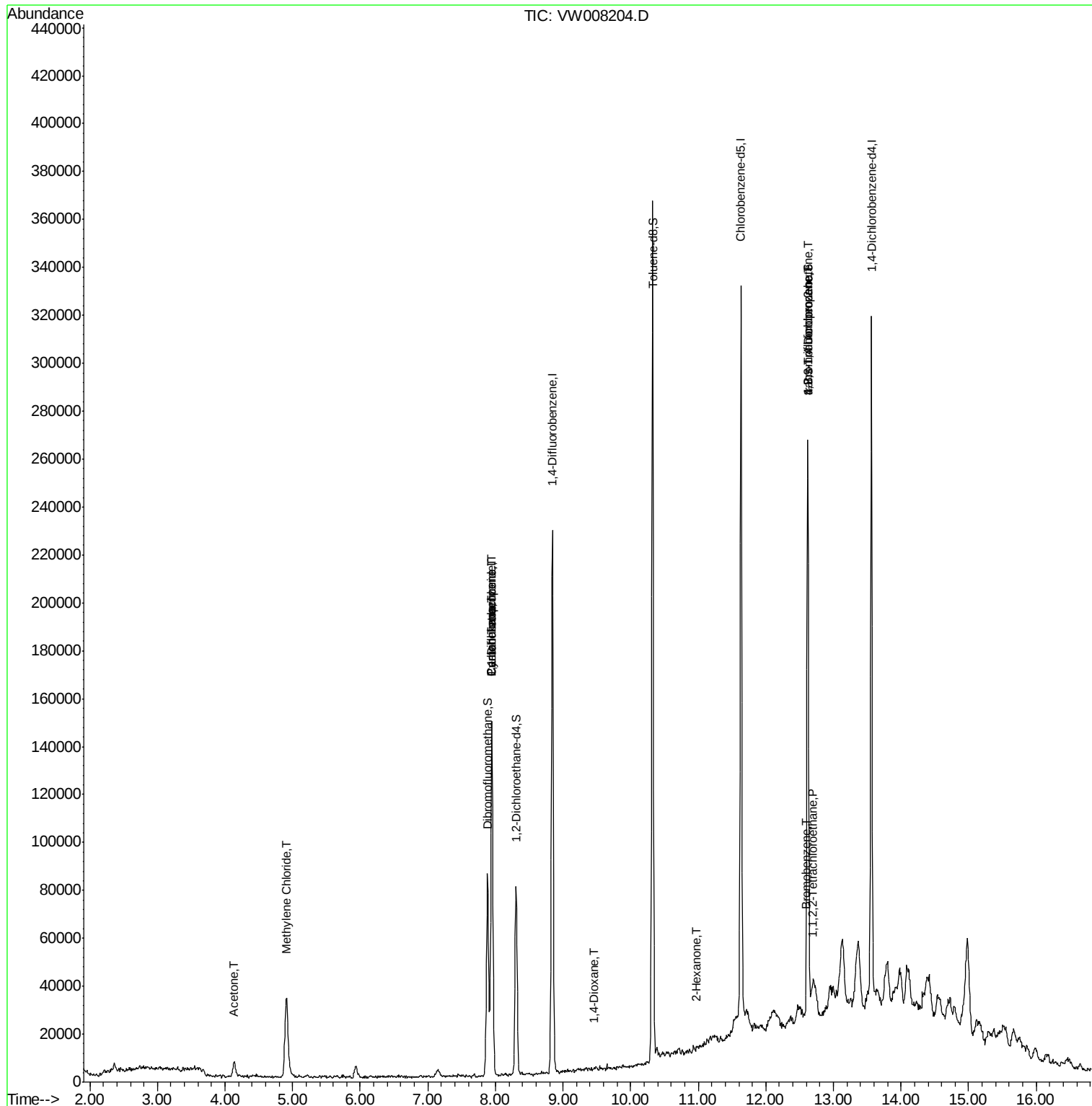
						Qvalue
11) Tert butyl alcohol	5.20	59	519	Below Cal	#	100
13) Acrolein	3.91	56	68	Below Cal	#	52
16) Acetone	4.13	43	12275	36.184	ug/l #	86
20) Methylene Chloride	4.92	84	27255	19.022	ug/l	91
31) Cyclohexane	7.95	56	2725	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8769	4.407	ug/l #	45
38) Carbon Tetrachloride	7.95	117	10886	5.977	ug/l #	16
49) 1,4-Dioxane	9.45	88	26	2.460	ug/l #	1
59) 2-Hexanone	10.98	43	527	1.010	ug/l	81
75) 1,1,2,2-Tetrachloroethane	12.69	83	2201	2.387	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	38155	57.030	ug/l #	1
77) Bromobenzene	12.59	156	1512	1.242	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38155	132.806	ug/l #	11

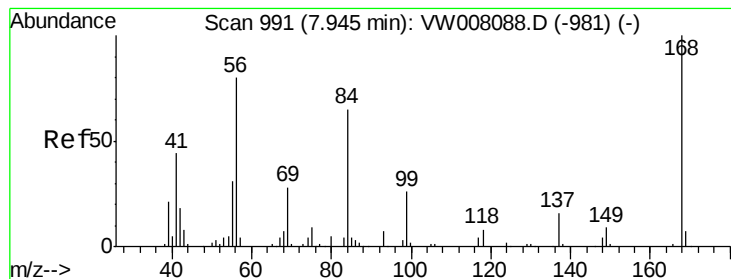
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008204.D

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Instrument :

MSVOA_W

ClientSampleId :

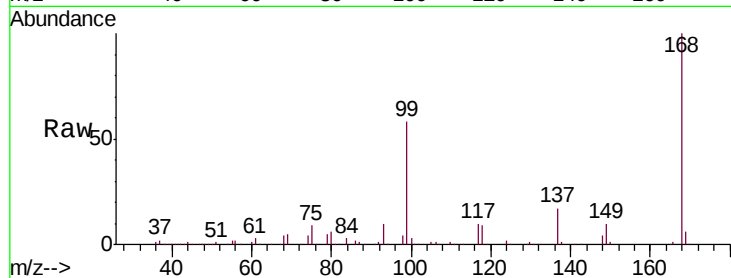
SUP-3A-G-3-010819

Tgt Ion: 168 Resp: 111953

Ion Ratio Lower Upper

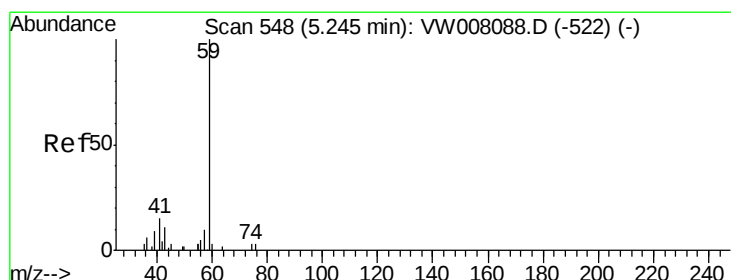
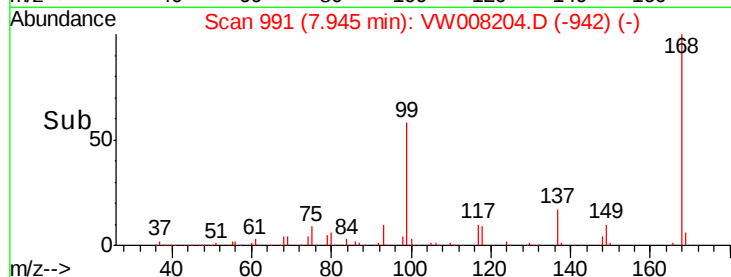
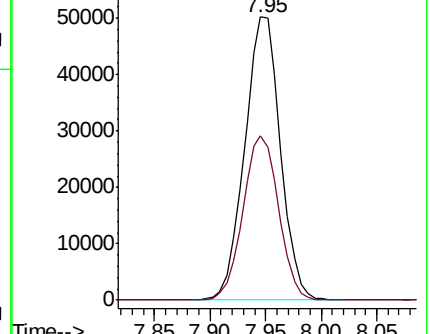
168 100

99 57.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. -0.04 min

Lab File: VW008204.D

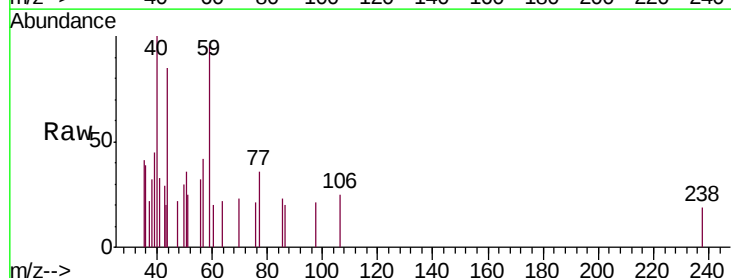
Acq: 11 Jan 2019 19:43

Tgt Ion: 59 Resp: 519

Ion Ratio Lower Upper

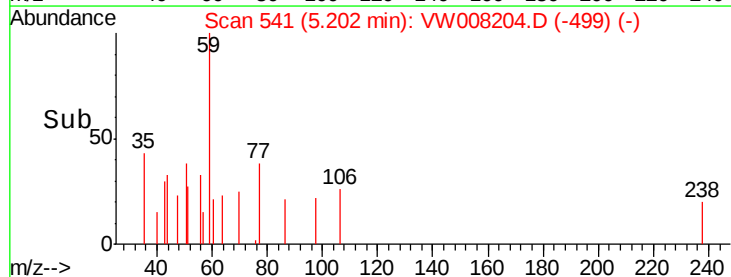
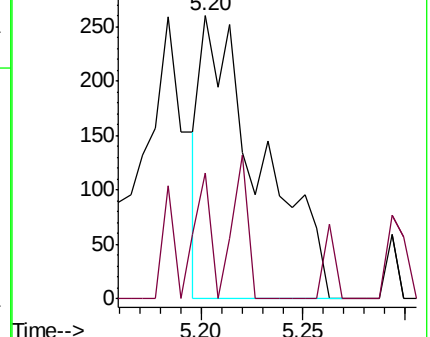
59 100

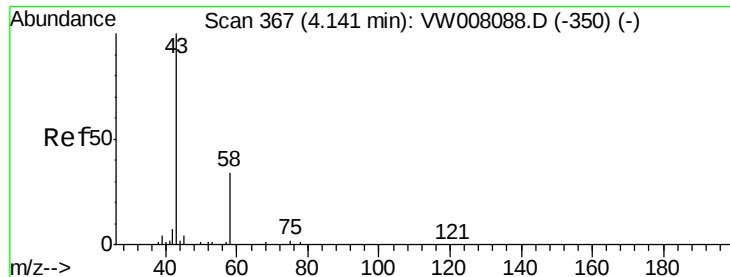
57 12.3 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 36.184 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

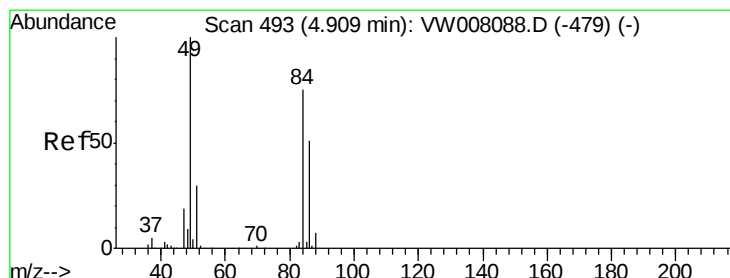
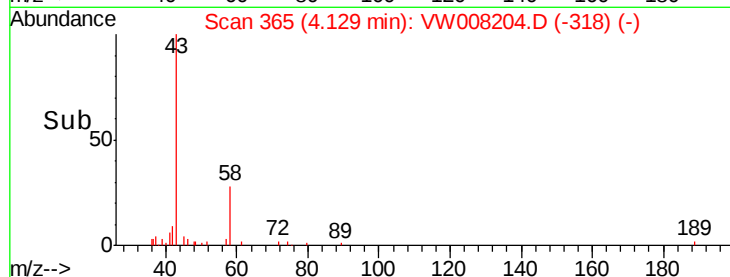
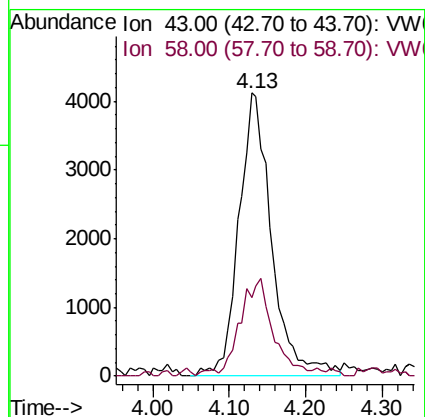
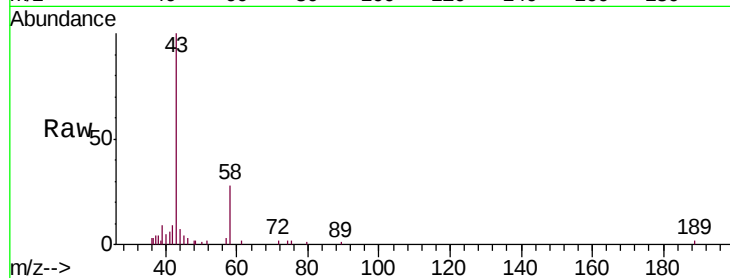
SUP-3A-G-3-010819

Tgt Ion: 43 Resp: 12275

Ion Ratio Lower Upper

43 100

58 26.2 27.5 41.3#



#20

Methylene Chloride

Concen: 19.022 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

Tgt Ion: 84 Resp: 27255

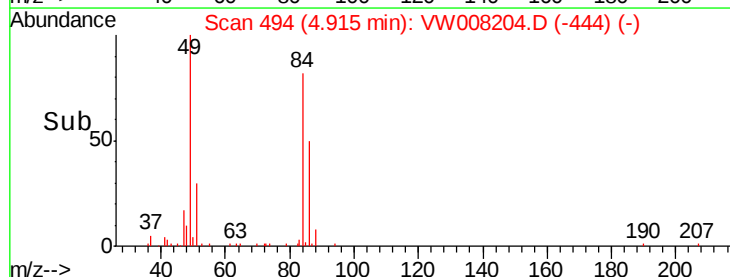
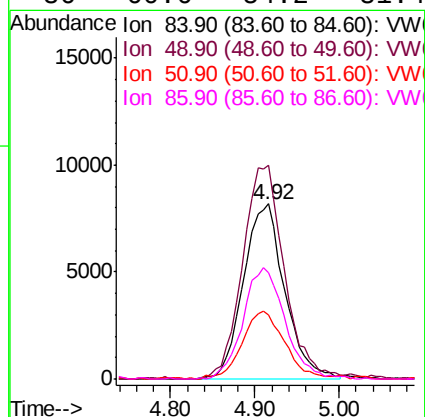
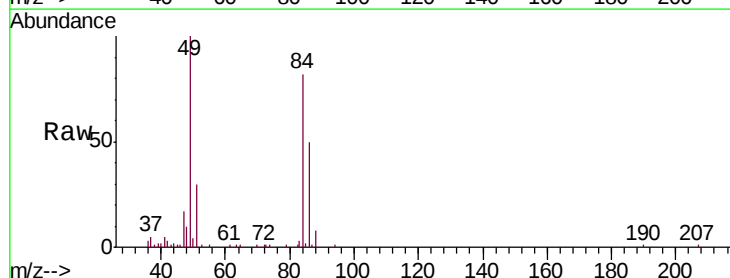
Ion Ratio Lower Upper

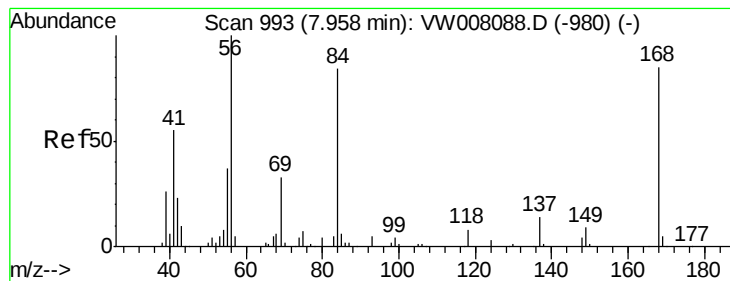
84 100

49 122.1 107.1 160.7

51 35.7 32.4 48.6

86 60.6 54.2 81.4





#31

Cyclohexane

Concen: 1.029 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

SUP-3A-G-3-010819

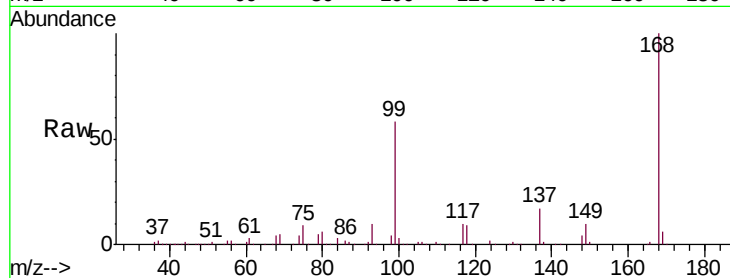
Tgt Ion: 56 Resp: 2725

Ion Ratio Lower Upper

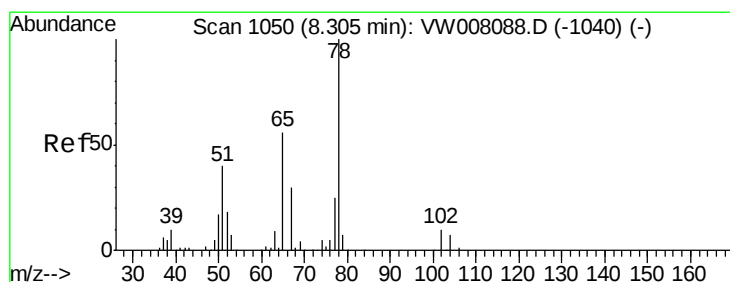
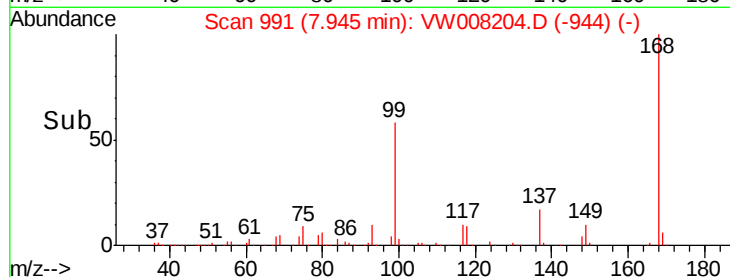
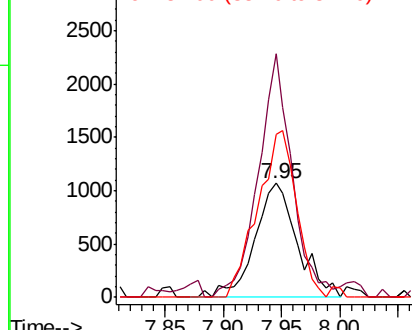
56 100

69 204.5 26.2 39.4#

84 142.7 67.4 101.2#



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: 48.206 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008204.D

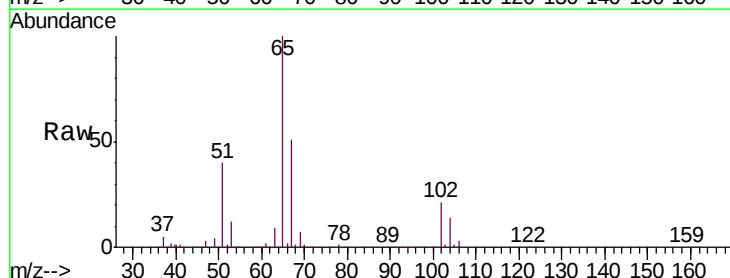
Acq: 11 Jan 2019 19:43

Tgt Ion: 65 Resp: 60655

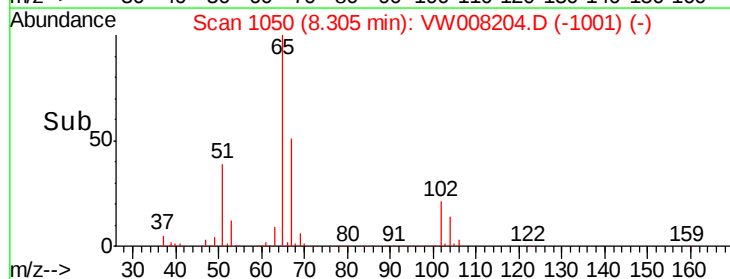
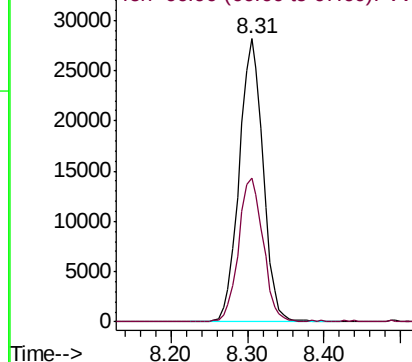
Ion Ratio Lower Upper

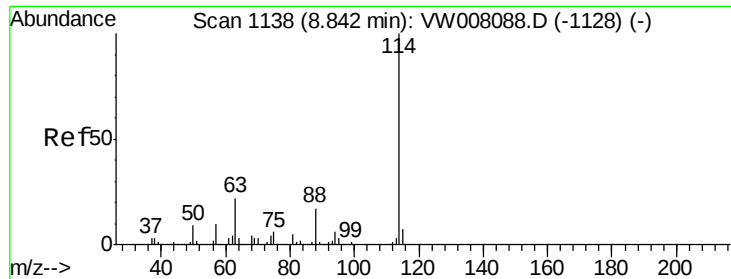
65 100

67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

SUP-3A-G-3-010819

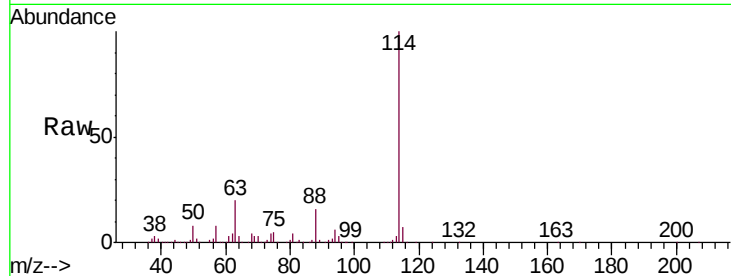
Tgt Ion:114 Resp: 193165

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.4

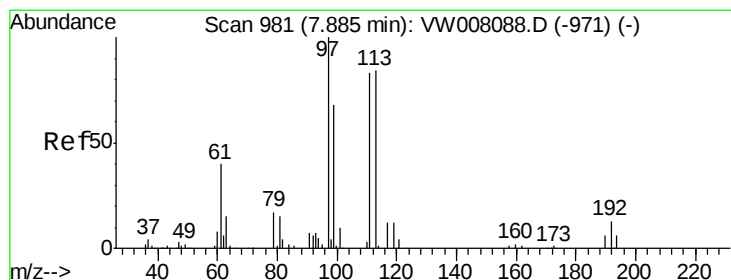
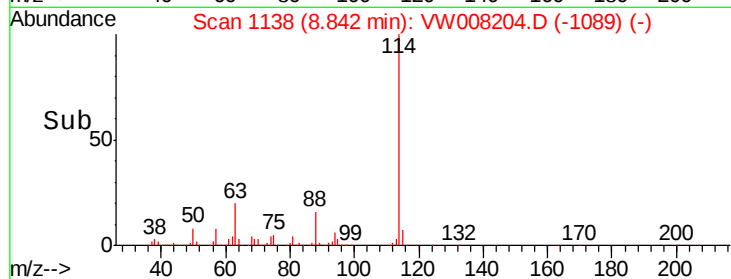
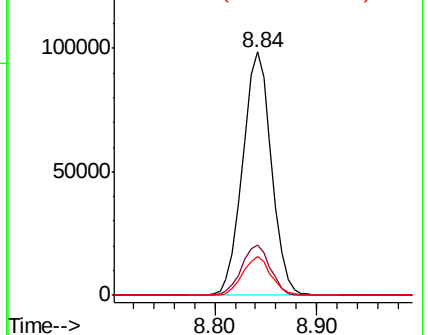
88 16.2 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.140 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

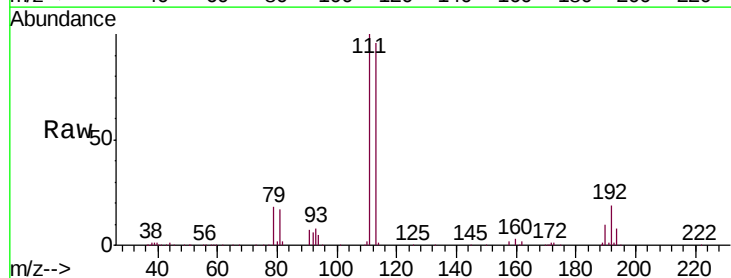
Tgt Ion:113 Resp: 58741

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.8

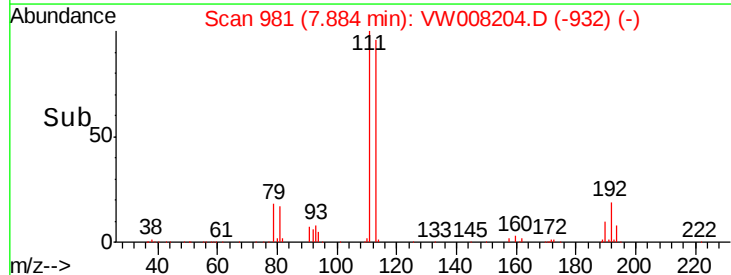
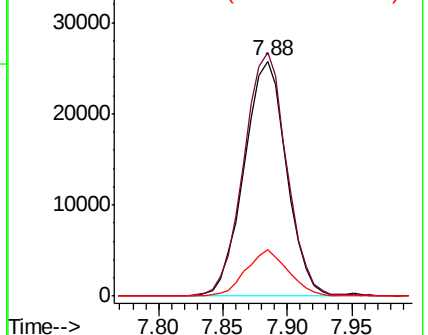
192 19.5 12.8 19.2#

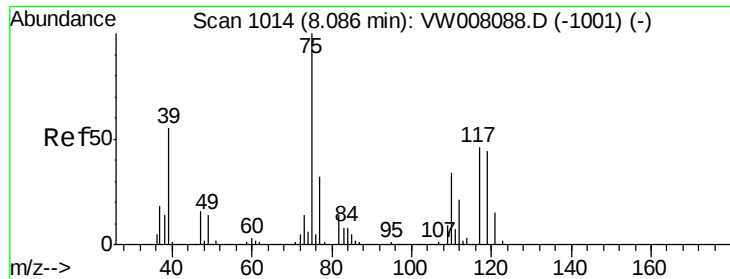


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

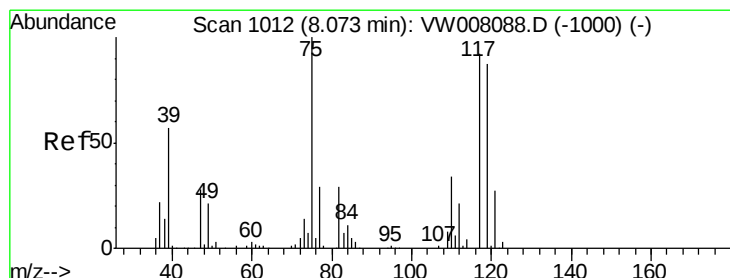
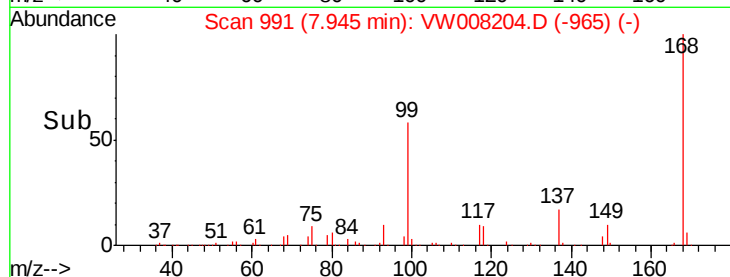
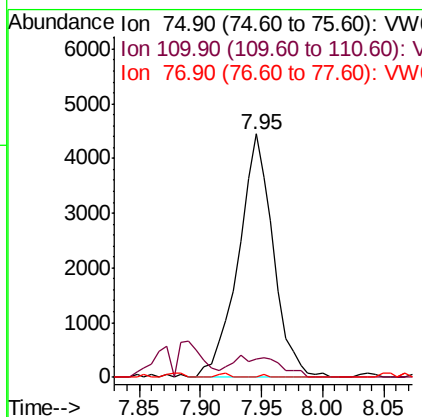
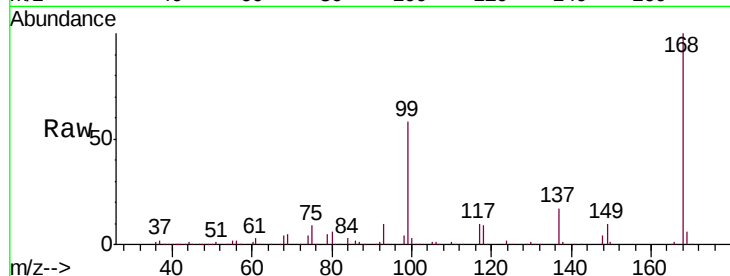




#36
 1,1-Dichloropropene
 Concen: 4.407 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008204.D
 Acq: 11 Jan 2019 19:43

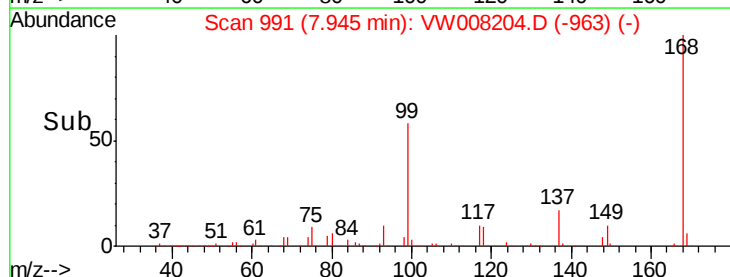
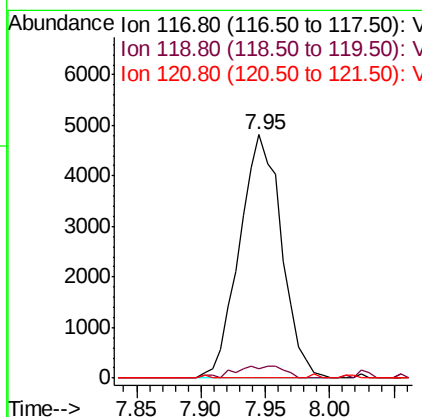
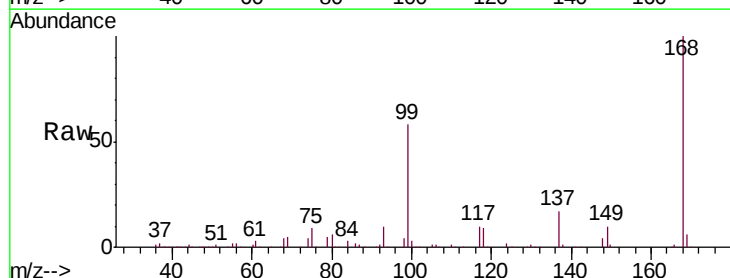
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-3A-G-3-010819

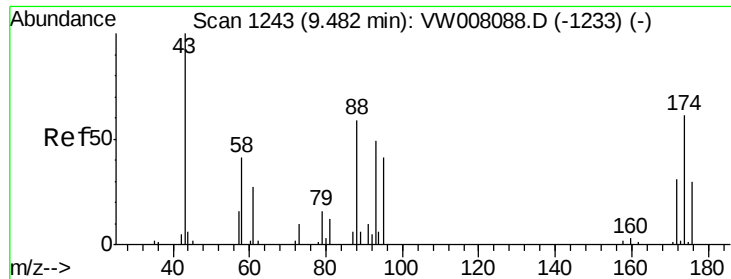
Tgt Ion: 75 Resp: 8769
 Ion Ratio Lower Upper
 75 100
 110 3.4 17.1 51.3#
 77 0.2 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.977 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008204.D
 Acq: 11 Jan 2019 19:43

Tgt Ion: 117 Resp: 10886
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.8 113.8#
 121 0.0 23.7 35.5#

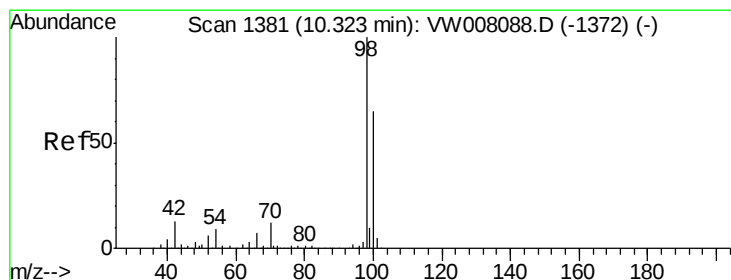
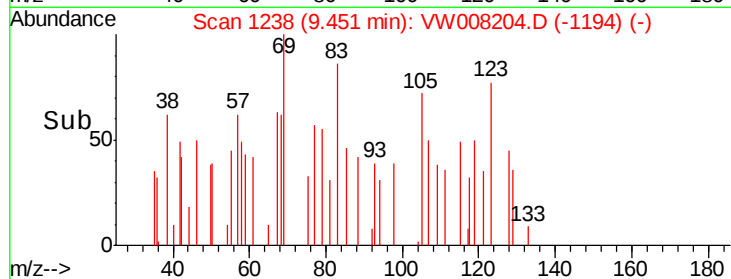
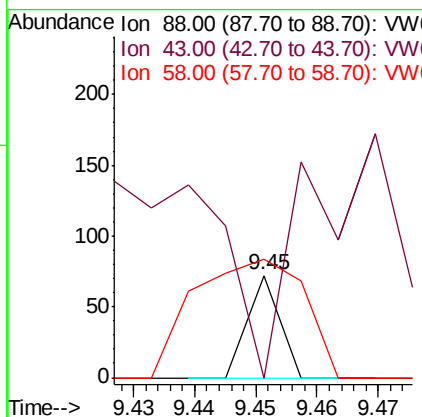
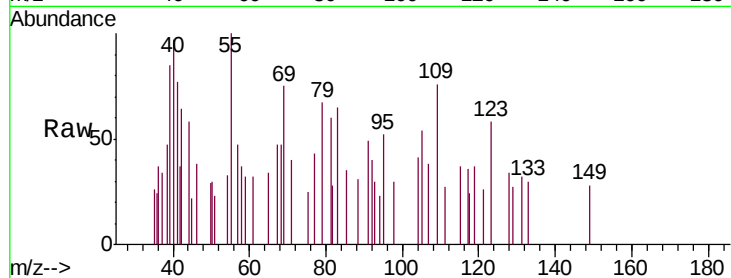




#49
1,4-Dioxane
Concen: 2.460 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VW008204.D
Acq: 11 Jan 2019 19:43

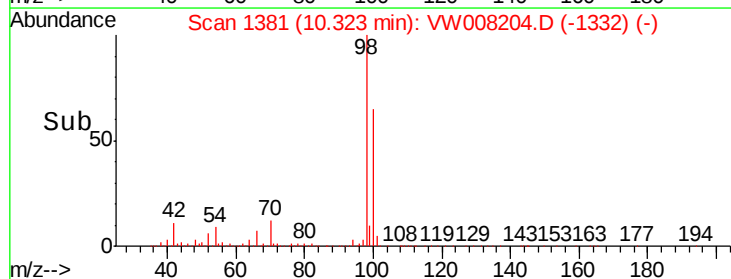
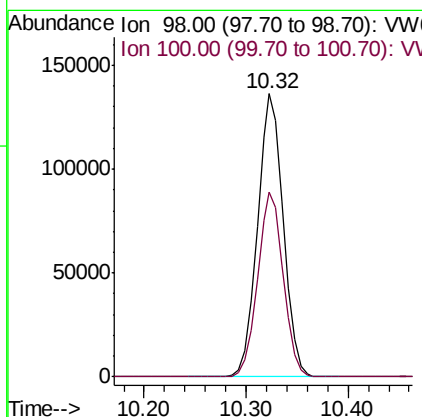
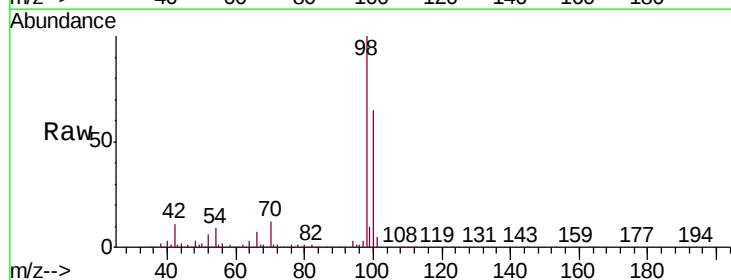
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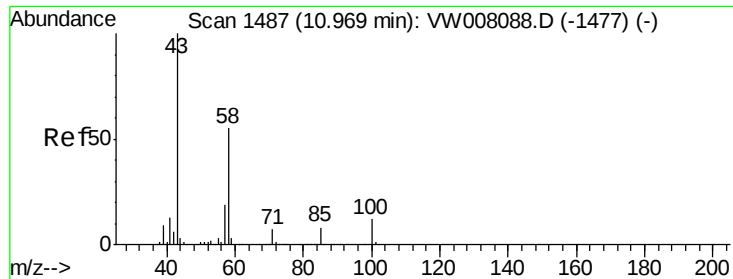
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 684.6 0.0 0.0#
58 403.8 61.7 92.5#



#50
Toluene-d8
Concen: 50.638 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008204.D
Acq: 11 Jan 2019 19:43

Tgt Ion: 98 Resp: 239400
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5

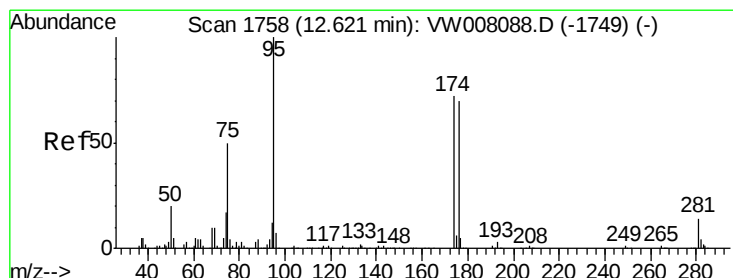
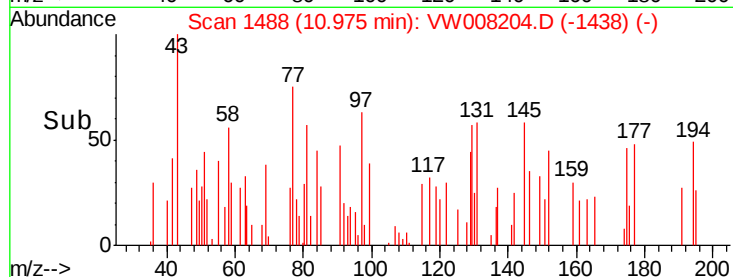
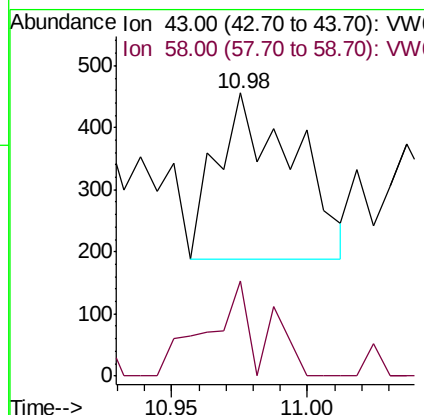
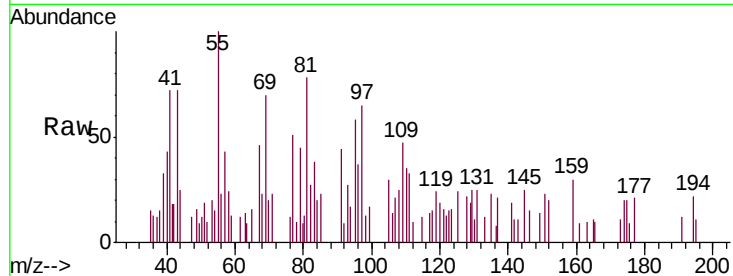




#59
2-Hexanone
Concen: 1.010 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW008204.D
Acq: 11 Jan 2019 19:43

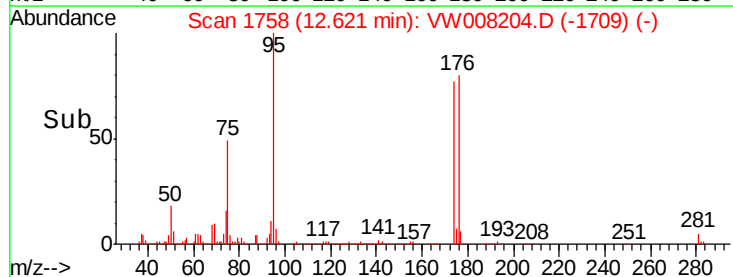
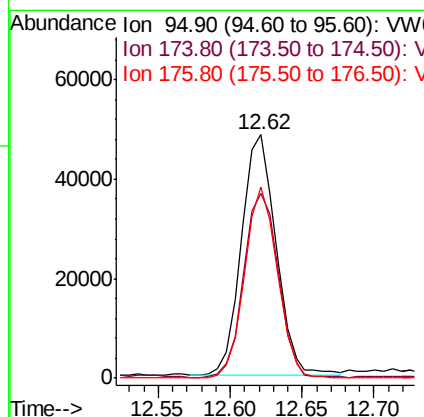
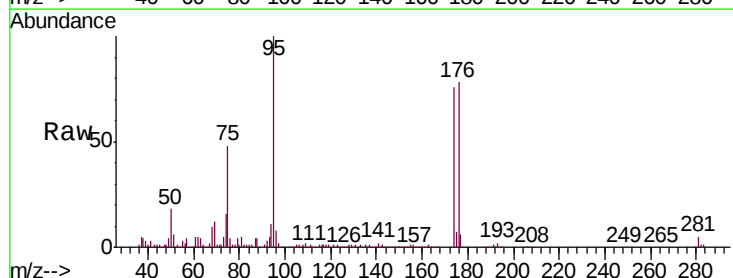
Instrument :
MSVOA_W
ClientSampleId :
SUP-3A-G-3-010819

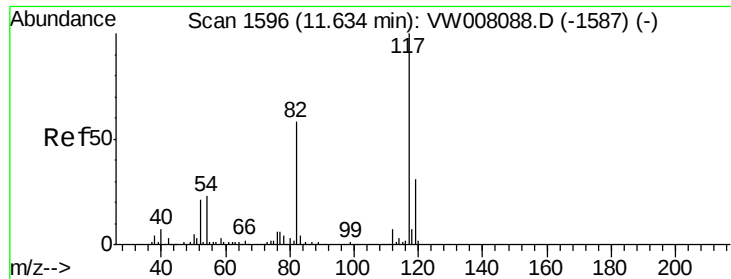
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 41.0 27.2 81.5



#62
4-Bromofluorobenzene
Concen: 47.653 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008204.D
Acq: 11 Jan 2019 19:43

Tgt Ion: 95 Resp: 80765
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.0
176 75.0 0.0 140.2

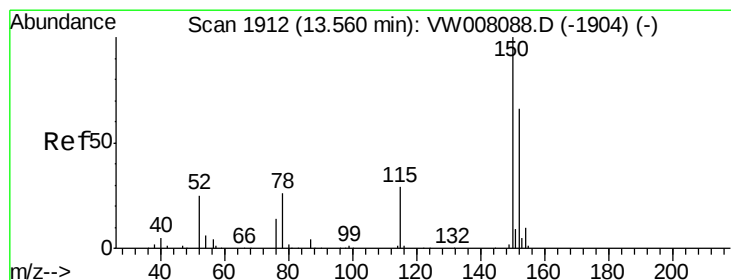
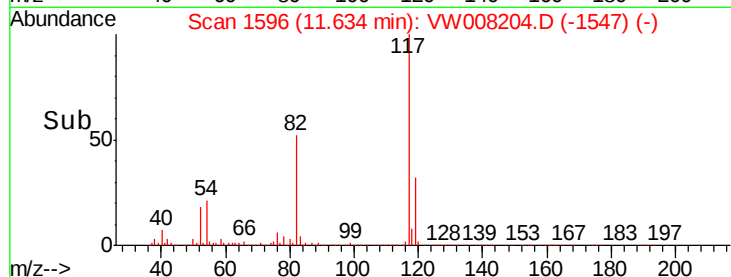
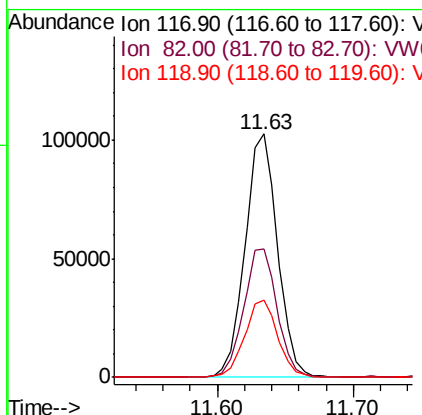
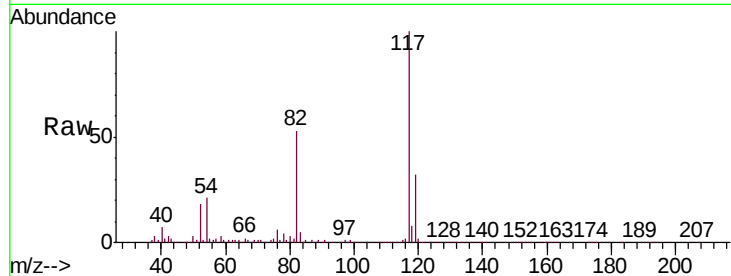




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008204.D
Acq: 11 Jan 2019 19:43

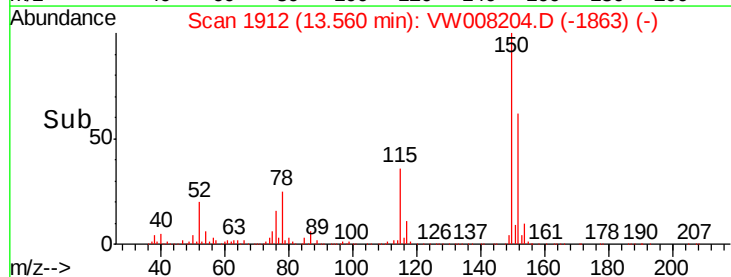
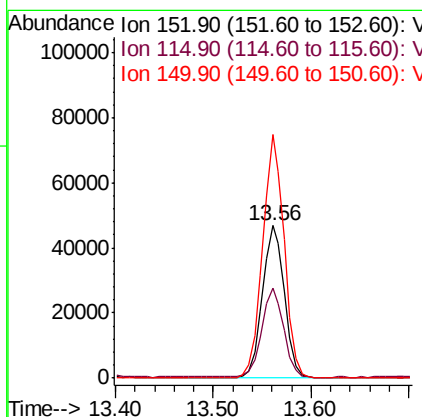
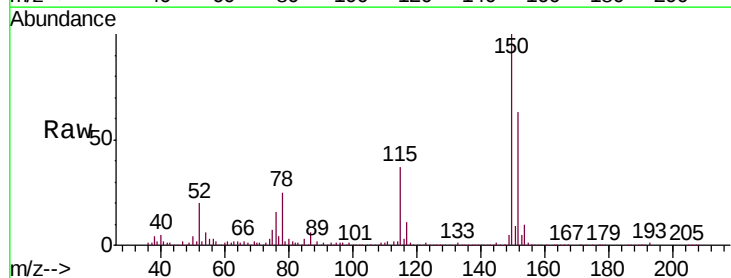
Instrument :
MSVOA_W
ClientSampleId :
SUP-3A-G-3-010819

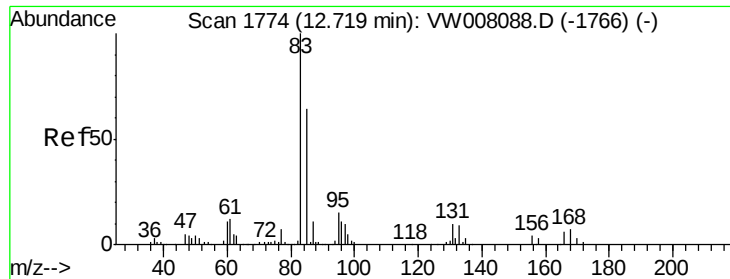
Tgt Ion:117 Resp: 170711
Ion Ratio Lower Upper
117 100
82 52.5 46.4 69.6
119 31.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008204.D
Acq: 11 Jan 2019 19:43

Tgt Ion:152 Resp: 73390
Ion Ratio Lower Upper
152 100
115 58.4 30.8 92.4
150 156.5 0.0 350.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.387 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

SUP-3A-G-3-010819

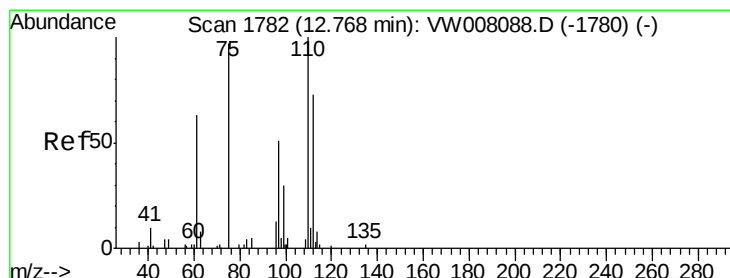
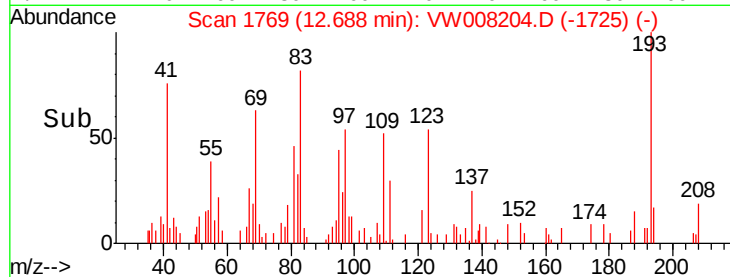
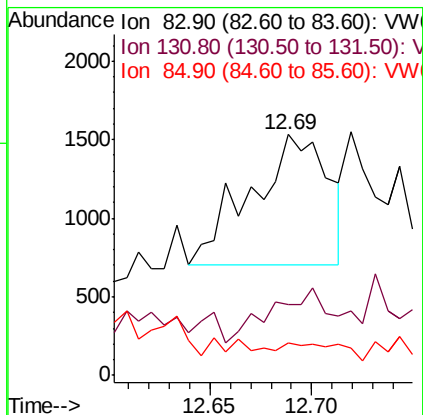
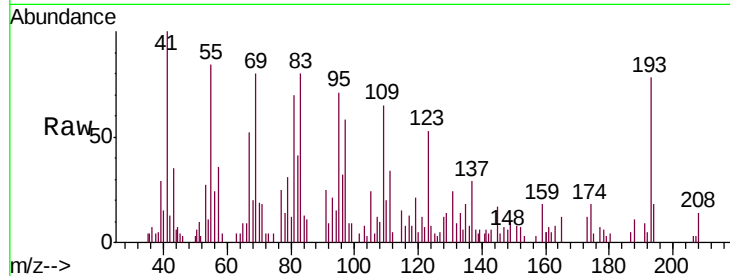
Tgt Ion: 83 Resp: 2201

Ion Ratio Lower Upper

83 100

131 30.8 5.3 16.1#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 57.030 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008204.D

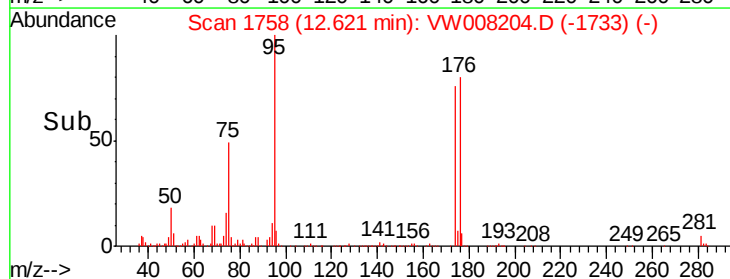
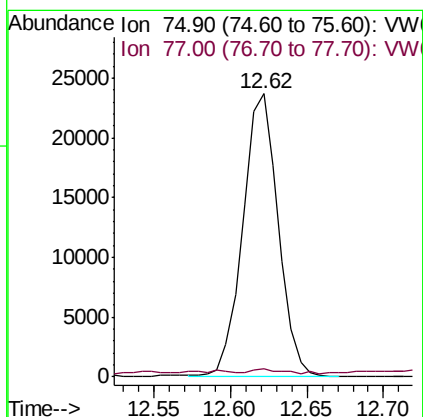
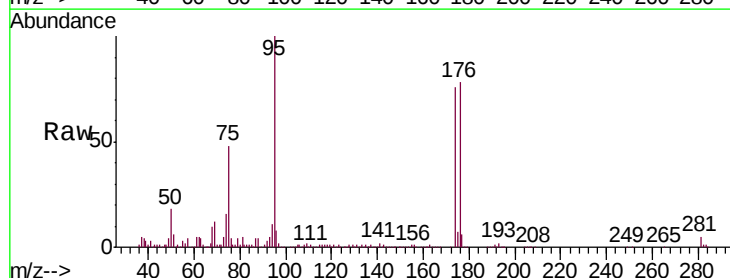
Acq: 11 Jan 2019 19:43

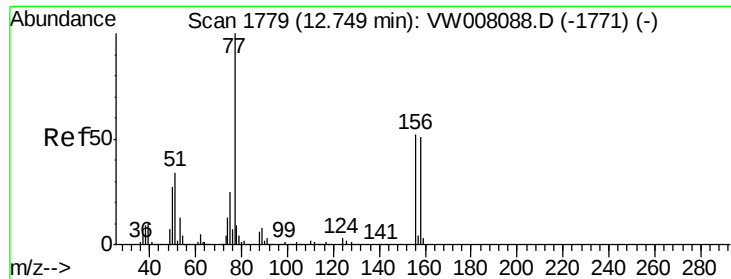
Tgt Ion: 75 Resp: 38155

Ion Ratio Lower Upper

75 100

77 1.6 179.4 538.2#





#77

Bromobenzene

Concen: 1.242 ug/l

RT: 12.59 min Scan# 1753

Delta R.T. -0.16 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

SUP-3A-G-3-010819

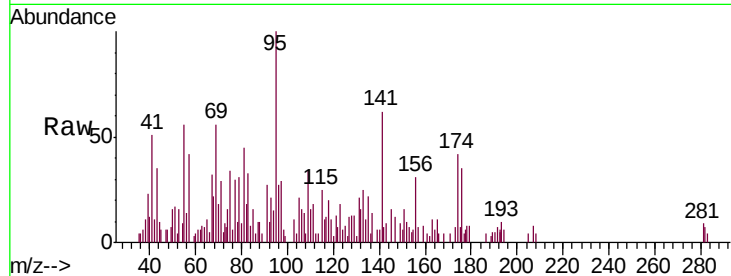
Tgt Ion: 156 Resp: 1512

Ion Ratio Lower Upper

156 100

77 14.7 104.2 312.5#

158 11.5 47.9 143.6#

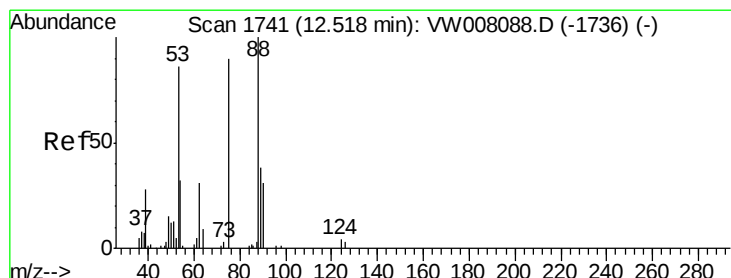
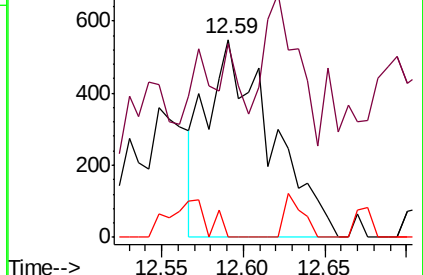
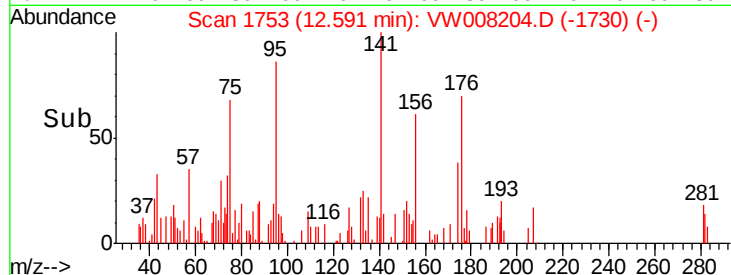


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 132.806 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008204.D

Acq: 11 Jan 2019 19:43

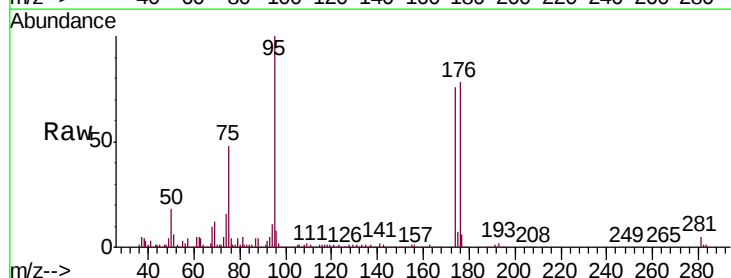
Tgt Ion: 75 Resp: 38155

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.6 35.4 53.2#



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

Time-->

