

Data File : VW006828.D
Acq On : 13 Nov 2018 02:18
Operator : SY/AP
Sample : J5909-03
Misc : 6.61G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SR-6-S

Quant Time: Nov 13 03:35:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	93242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	125293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	39716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	26534	38.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.86%	
35) Dibromofluoromethane	7.89	113	28991	38.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.72%	
50) Toluene-d8	10.33	98	120219	38.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.76%	
62) 4-Bromofluorobenzene	12.62	95	33318	29.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.50%	

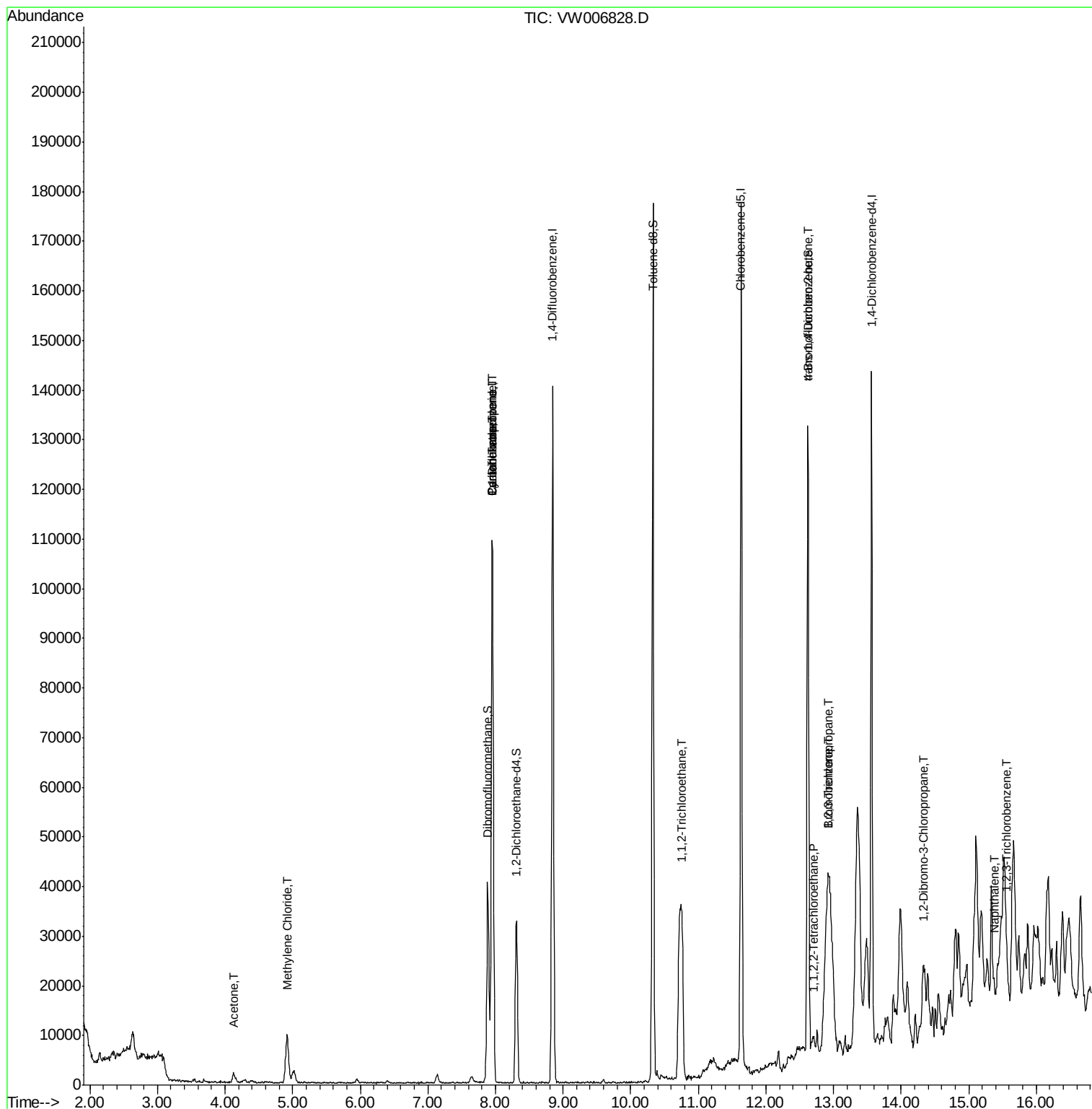
Target Compounds				Qvalue		
16) Acetone	4.13	43	3159	32.271	ug/l	98
20) Methylene Chloride	4.92	84	7921	4.118	ug/l	97
31) Cyclohexane	7.95	56	1525	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5865	5.002	ug/l #	47
38) Carbon Tetrachloride	7.95	117	7972	6.256	ug/l #	15
55) 1,1,2-Trichloroethane	10.76	97	742	1.182	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	12.71	83	670	1.757	ug/l #	30
76) 1,2,3-Trichloropropane	12.92	75	1226	4.283	ug/l #	100
77) Bromobenzene	12.91	156	61829	88.957	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	16022	138.466	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.32	75	444	7.272	ug/l #	1
95) Naphthalene	15.38	128	2135	1.533	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.57	180	811	1.015	ug/l #	1

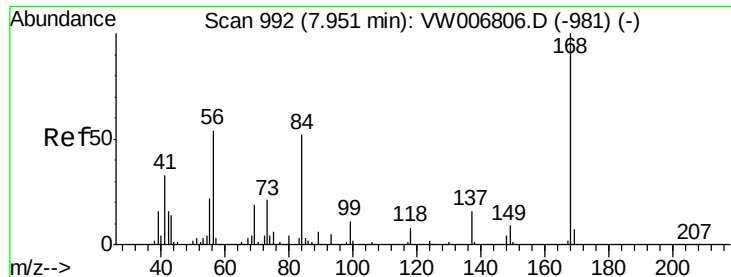
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampleId :

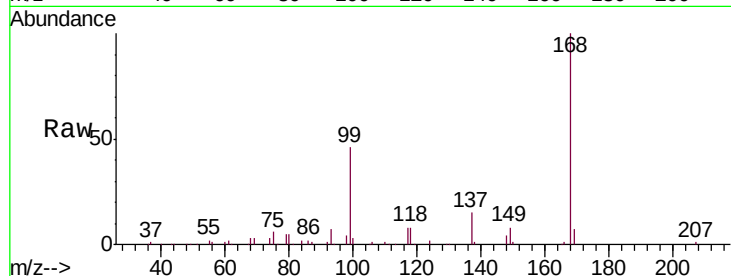
SR-6-S

Tgt Ion:168 Resp: 93242

Ion Ratio Lower Upper

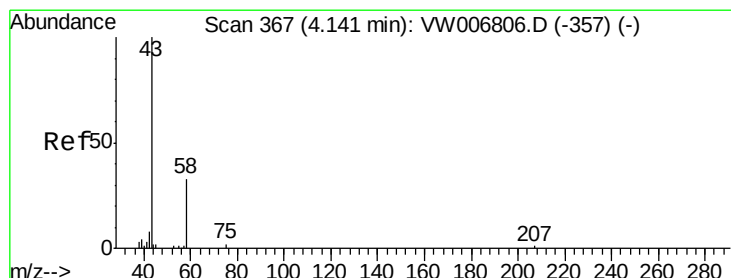
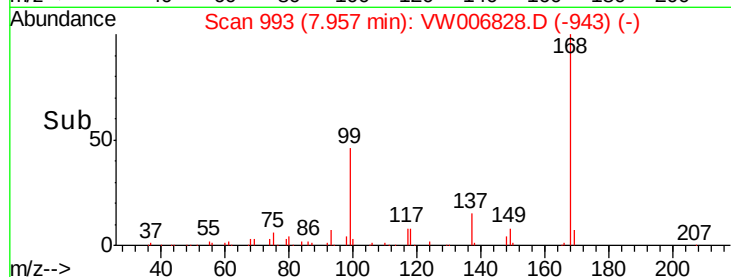
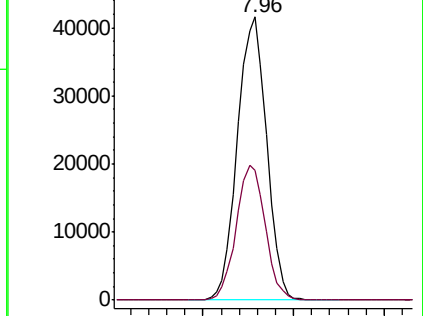
168 100

99 45.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 32.271 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW006828.D

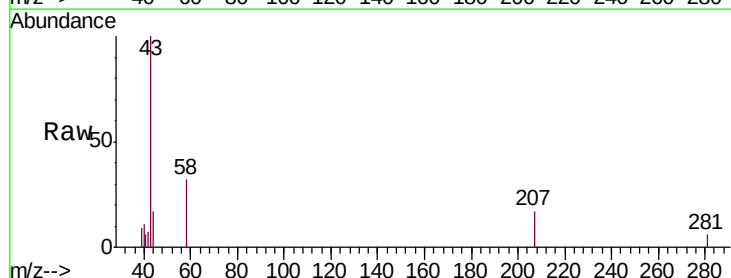
Acq: 13 Nov 2018 02:18

Tgt Ion: 43 Resp: 3159

Ion Ratio Lower Upper

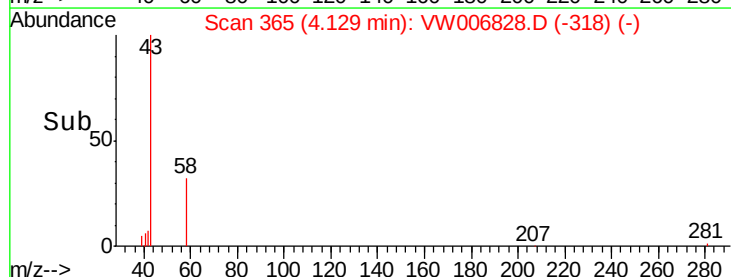
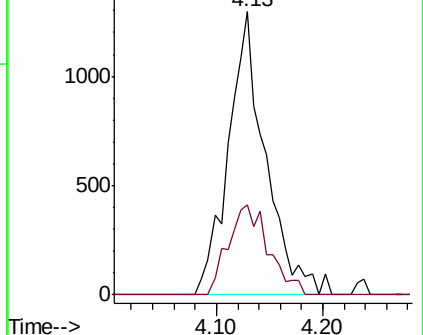
43 100

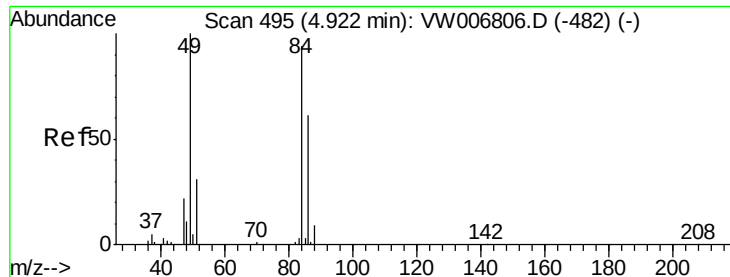
58 31.8 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

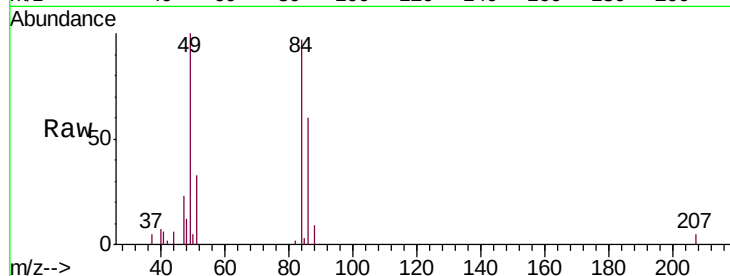




#20
Methylene Chloride
Concen: 4.118 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW006828.D
Acq: 13 Nov 2018 02:18

Instrument :
MSVOA_W
ClientSampleId :
SR-6-S

Tgt Ion:	84	Resp:	7921
Ion	Ratio	Lower	Upper
84	100		
49	102.6	84.8	127.2
51	33.7	26.2	39.4
86	61.5	51.8	77.8



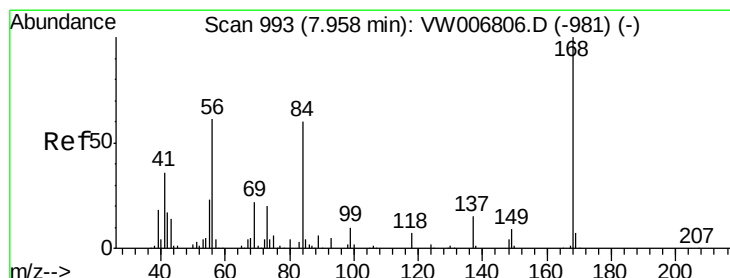
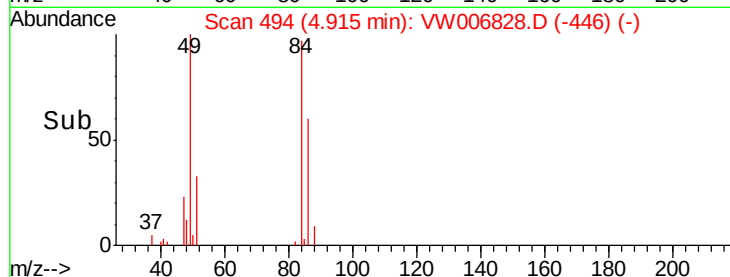
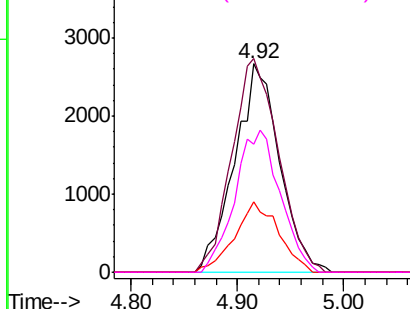
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

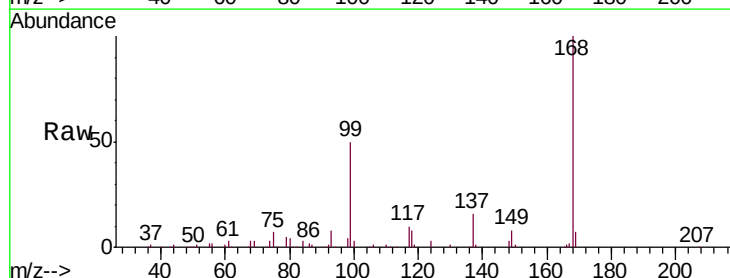
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006828.D
Acq: 13 Nov 2018 02:18

Tgt Ion:	56	Resp:	1525
Ion	Ratio	Lower	Upper
56	100		
69	189.9	28.9	43.3#
84	204.5	79.0	118.4#

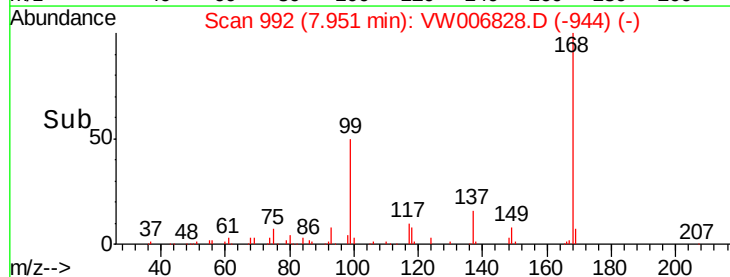
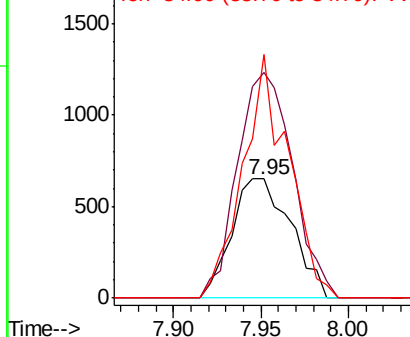


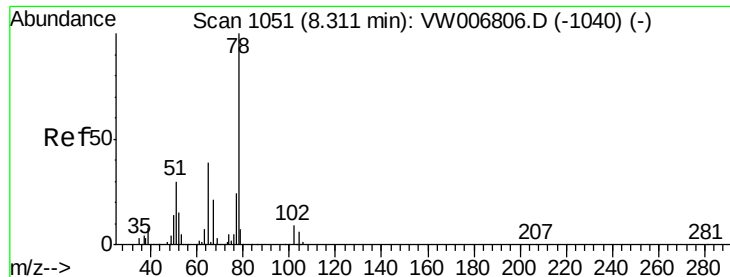
Abundance

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

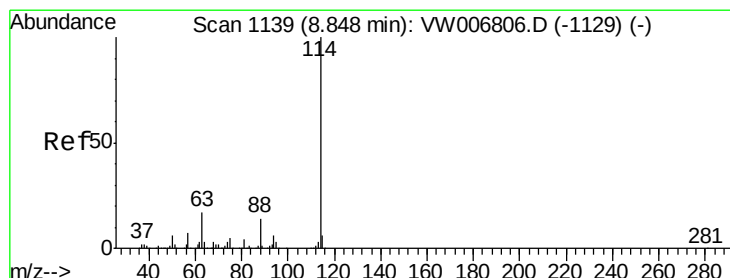
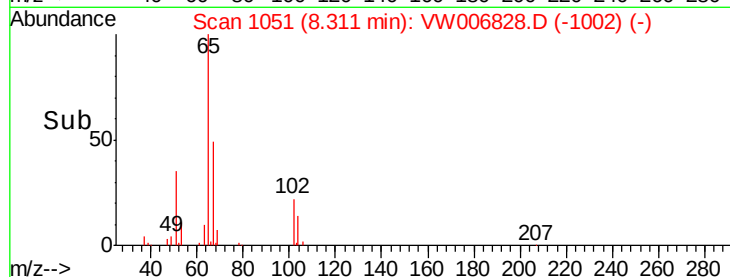
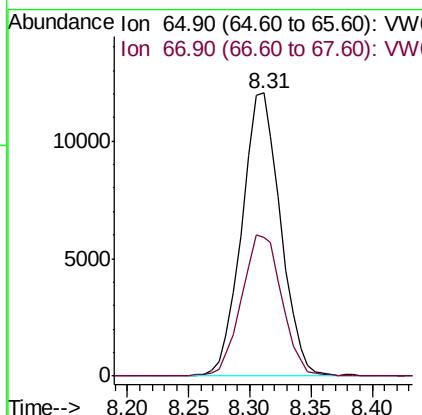
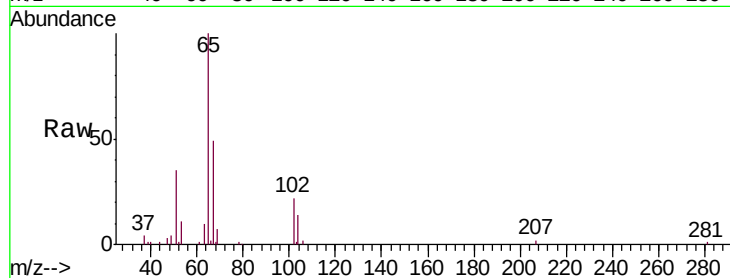




#33
 1,2-Dichloroethane-d4
 Concen: 38.928 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006828.D
 Acq: 13 Nov 2018 02:18

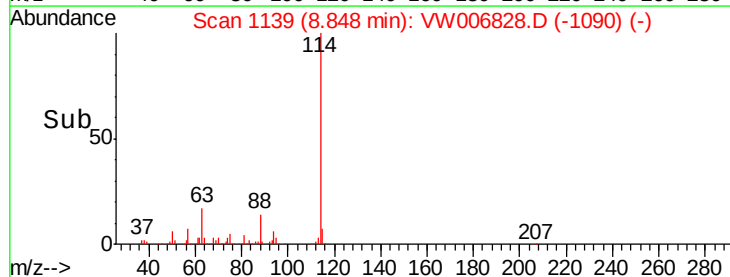
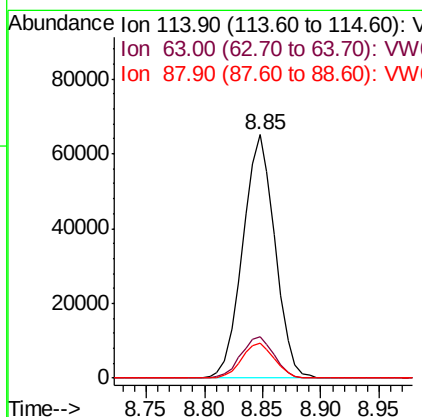
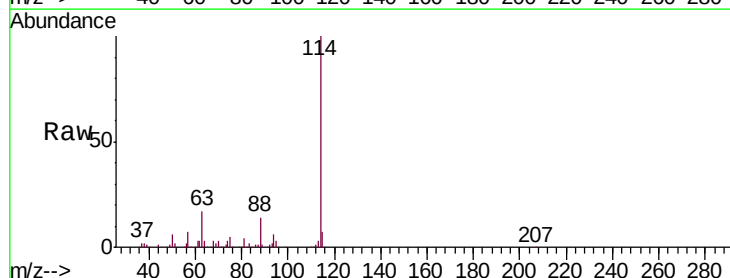
Instrument :
 MSVOA_W
 ClientSampleId :
 SR-6-S

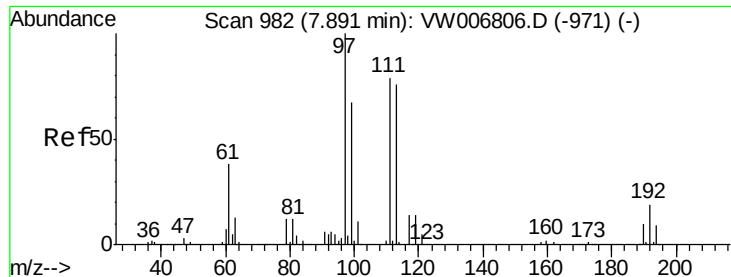
Tgt Ion: 65 Resp: 26534
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006828.D
 Acq: 13 Nov 2018 02:18

Tgt Ion: 114 Resp: 125293
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 33.6
 88 14.4 0.0 28.4





#35

Dibromofluoromethane

Concen: 38.858 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampleId :

SR-6-S

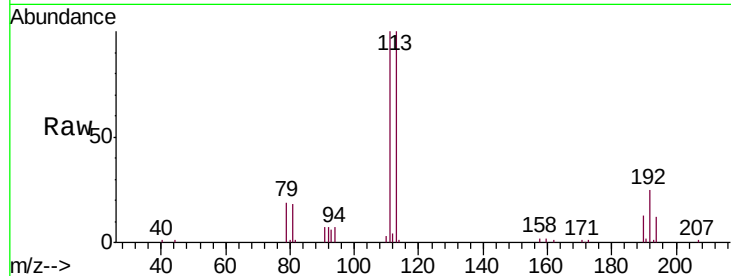
Tgt Ion:113 Resp: 28991

Ion Ratio Lower Upper

113 100

111 102.2 81.0 121.6

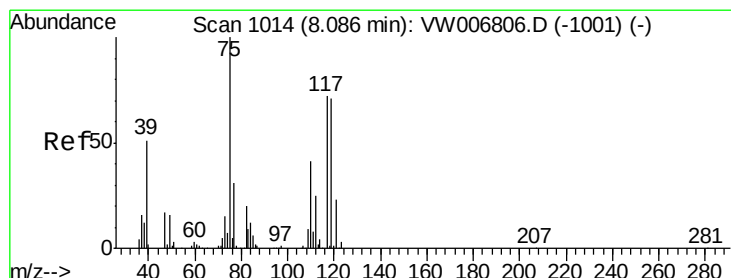
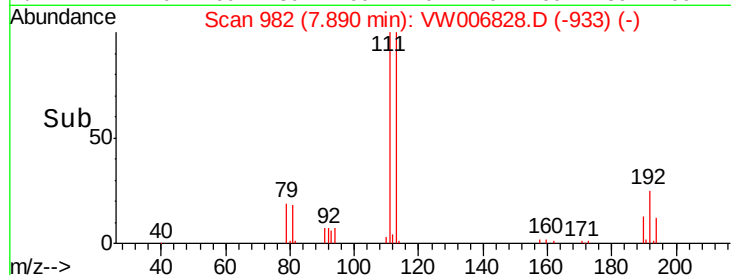
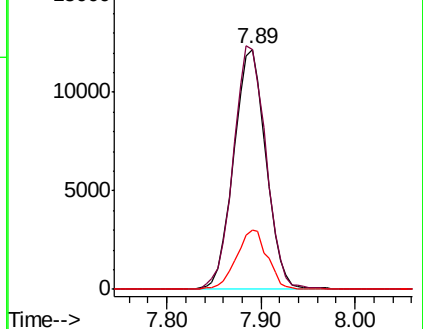
192 23.6 19.0 28.6



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: 5.002 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

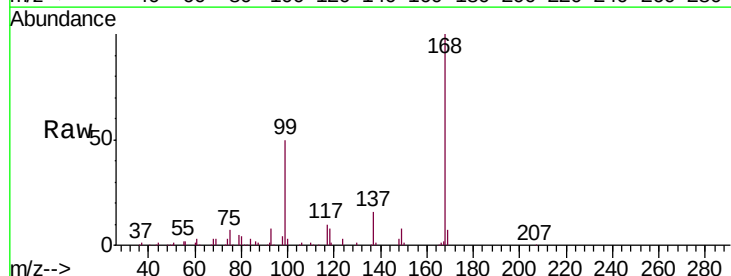
Tgt Ion: 75 Resp: 5865

Ion Ratio Lower Upper

75 100

110 8.7 19.9 59.6#

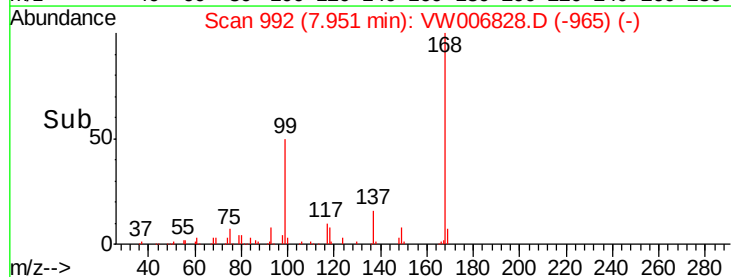
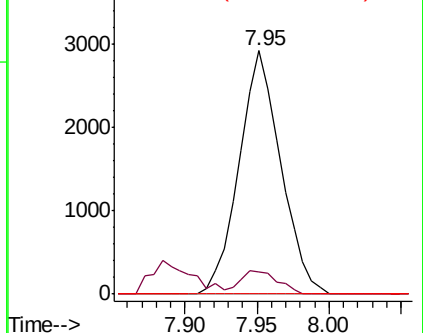
77 0.0 25.4 38.2#

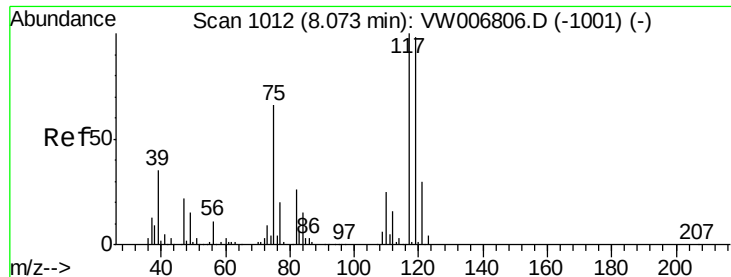


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.256 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampled :

SR-6-S

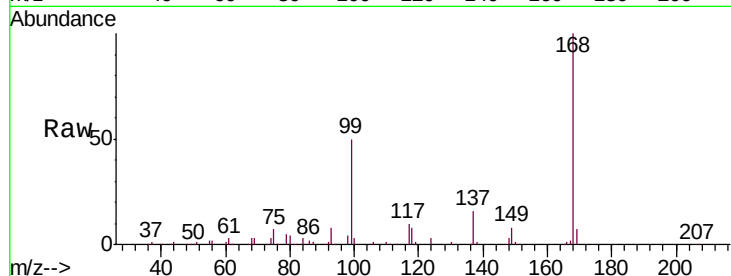
Tgt Ion: 117 Resp: 7972

Ion Ratio Lower Upper

117 100

119 5.7 78.5 117.7#

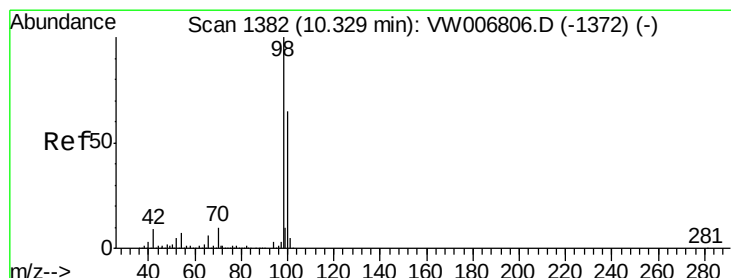
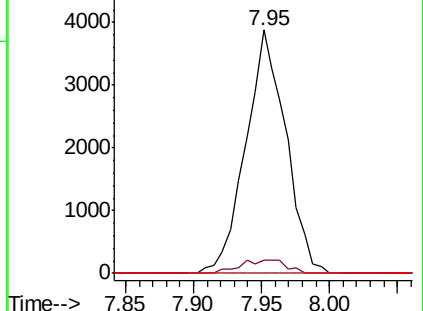
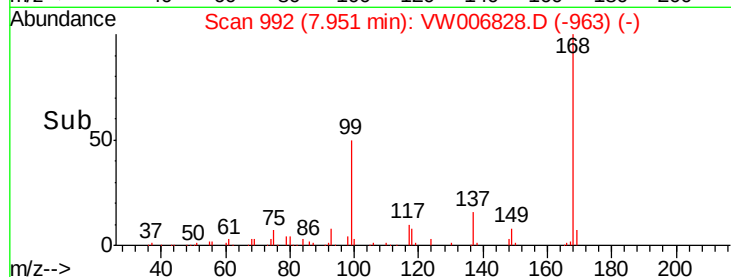
121 0.0 24.2 36.2#



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: 38.876 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006828.D

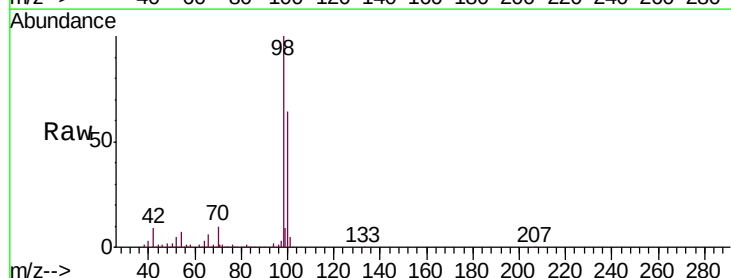
Acq: 13 Nov 2018 02:18

Tgt Ion: 98 Resp: 120219

Ion Ratio Lower Upper

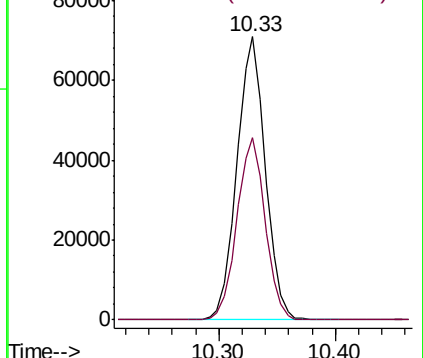
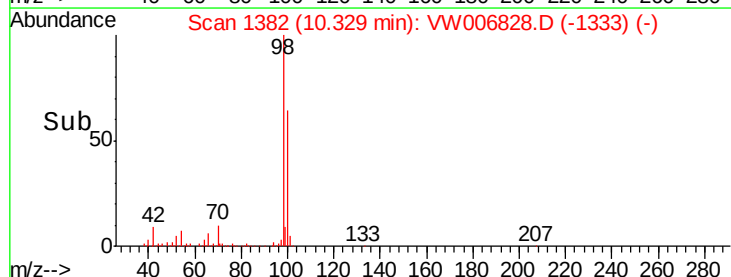
98 100

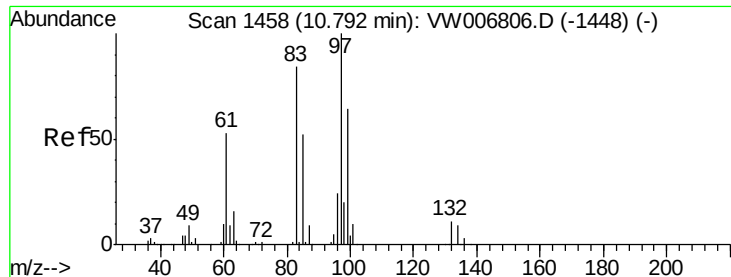
100 64.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#55

1,1,2-Trichloroethane

Concen: 1.182 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.04 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampled :

SR-6-S

Tgt Ion: 97 Resp: 742

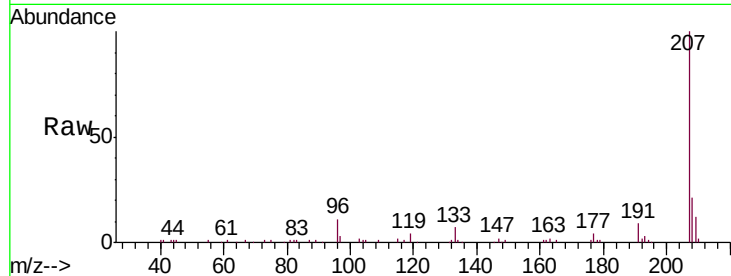
Ion Ratio Lower Upper

97 100

83 36.9 67.0 100.4#

85 0.0 41.7 62.5#

99 0.0 50.8 76.2#

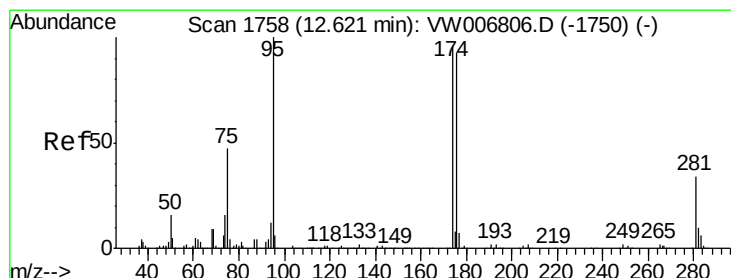
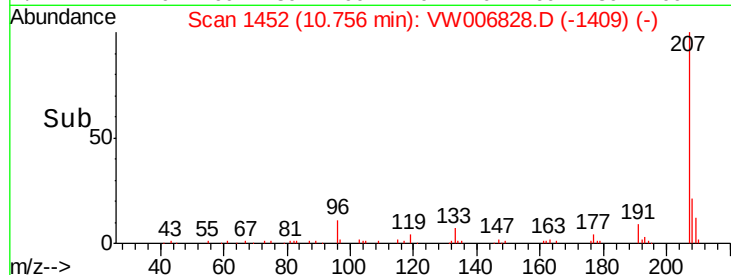
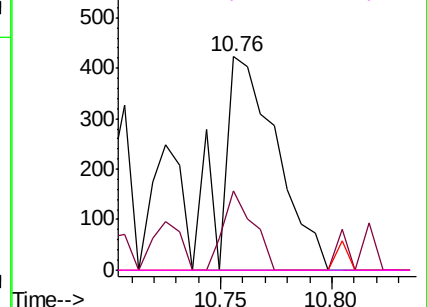


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62

4-Bromofluorobenzene

Concen: 29.253 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

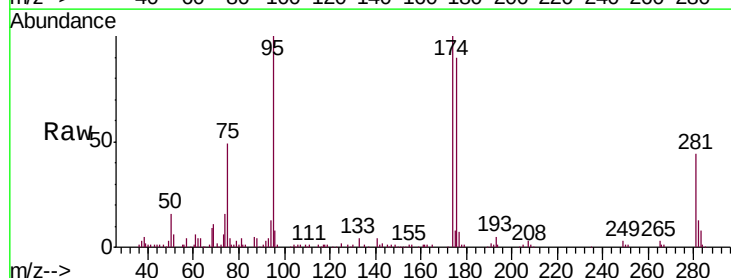
Tgt Ion: 95 Resp: 33318

Ion Ratio Lower Upper

95 100

174 98.8 0.0 196.6

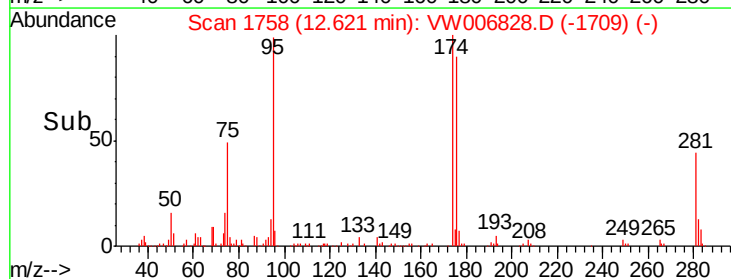
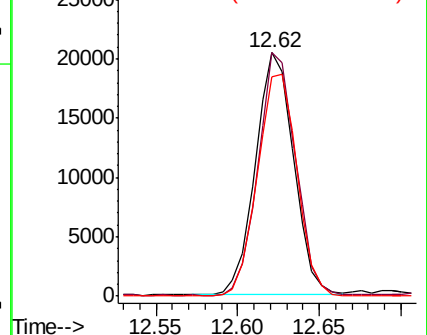
176 94.9 0.0 191.6

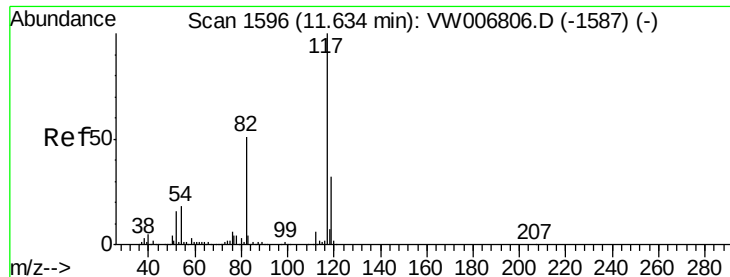


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

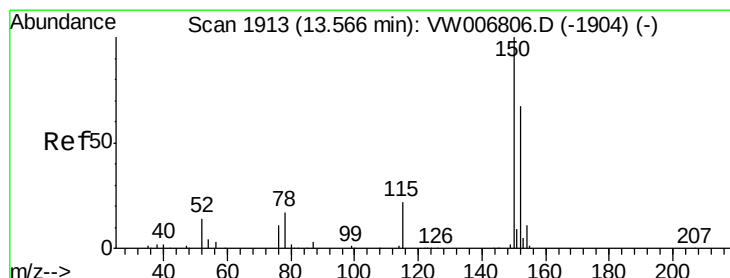
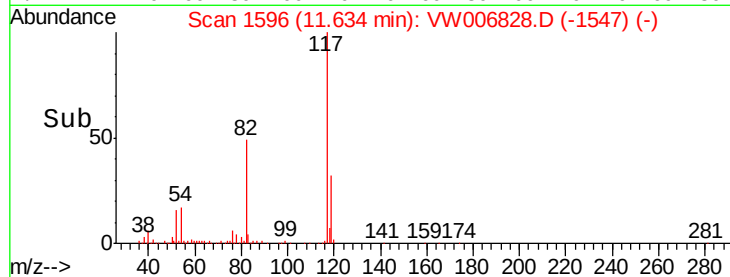
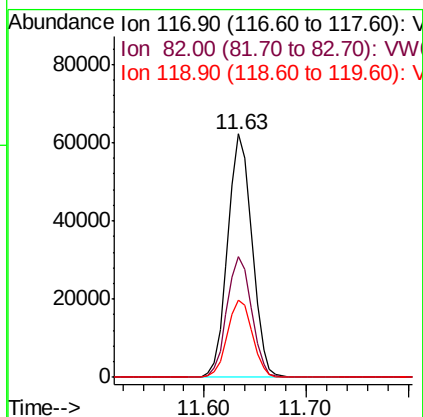
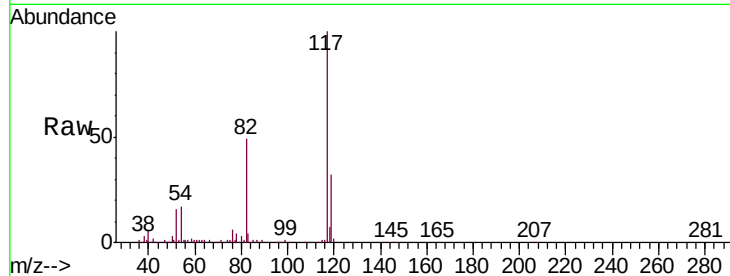




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006828.D
Acq: 13 Nov 2018 02:18

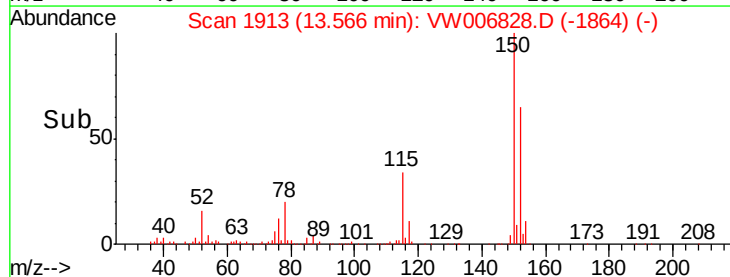
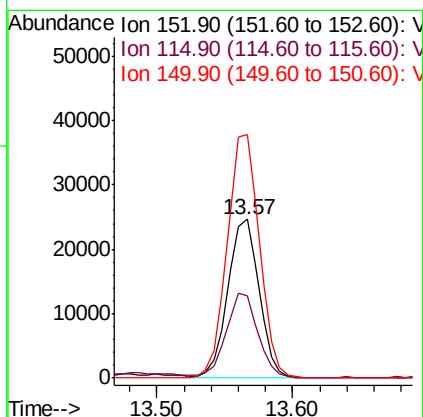
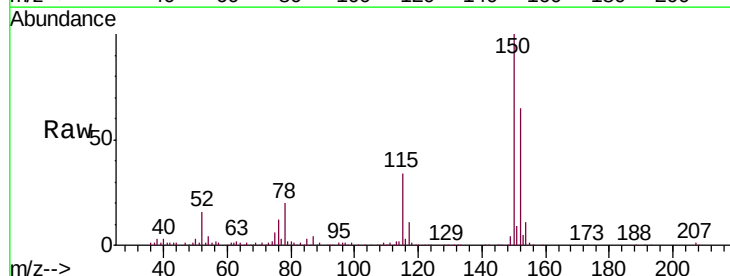
Instrument :
MSVOA_W
ClientSampleId :
SR-6-S

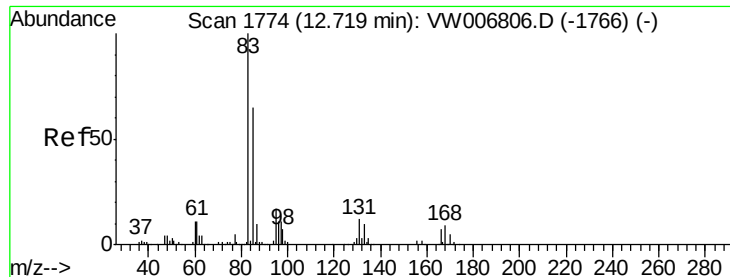
Tgt Ion:117 Resp: 102433
Ion Ratio Lower Upper
117 100
82 49.3 40.6 61.0
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006828.D
Acq: 13 Nov 2018 02:18

Tgt Ion:152 Resp: 39716
Ion Ratio Lower Upper
152 100
115 53.1 27.3 81.8
150 156.8 0.0 353.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.757 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampleId :

SR-6-S

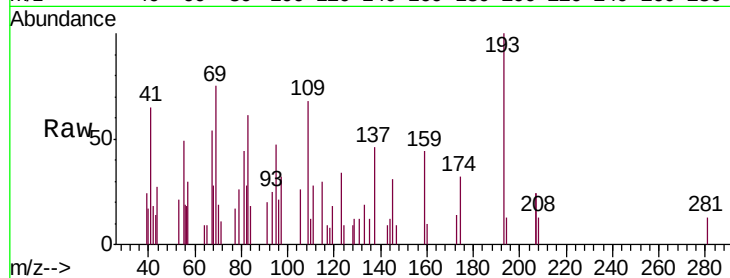
Tgt Ion: 83 Resp: 670

Ion Ratio Lower Upper

83 100

131 13.9 6.1 18.3

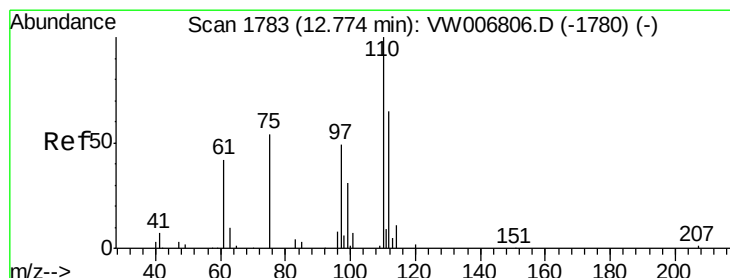
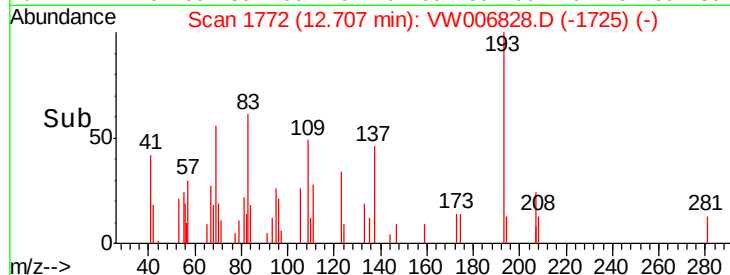
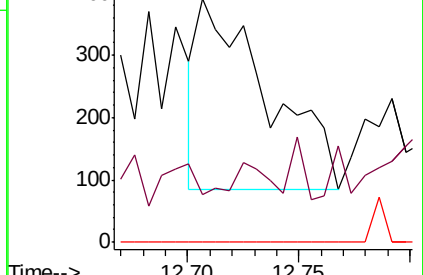
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.283 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.15 min

Lab File: VW006828.D

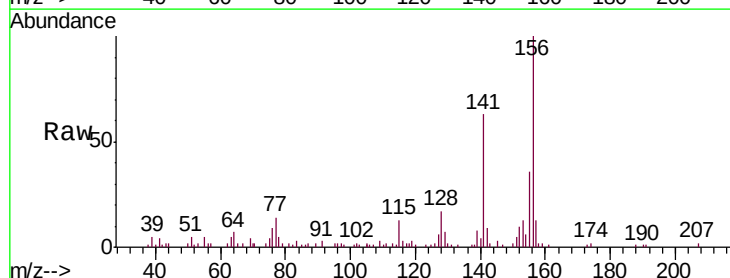
Acq: 13 Nov 2018 02:18

Tgt Ion: 75 Resp: 1226

Ion Ratio Lower Upper

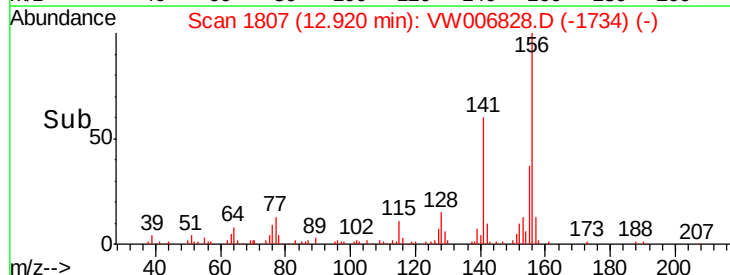
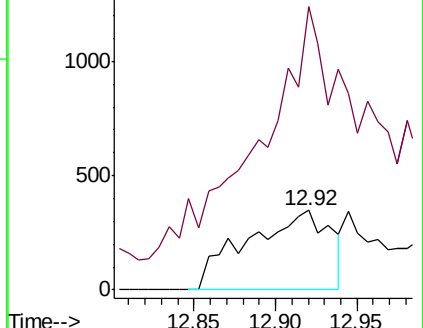
75 100

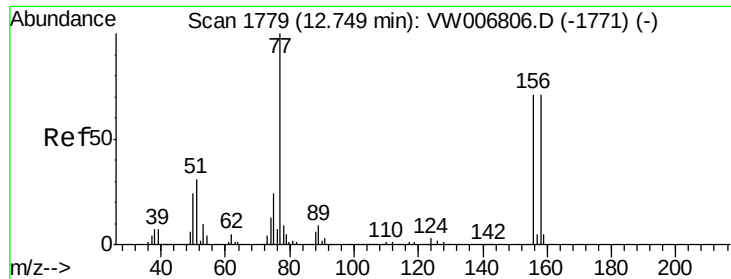
77 382.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 88.957 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampleId :

SR-6-S

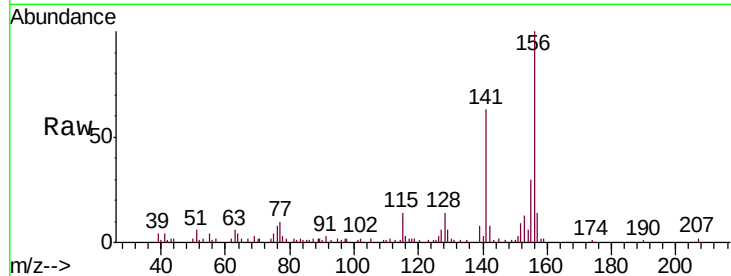
Tgt Ion:156 Resp: 61829

Ion Ratio Lower Upper

156 100

77 7.6 75.3 225.7#

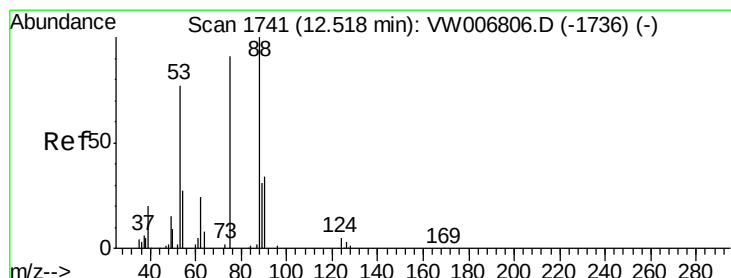
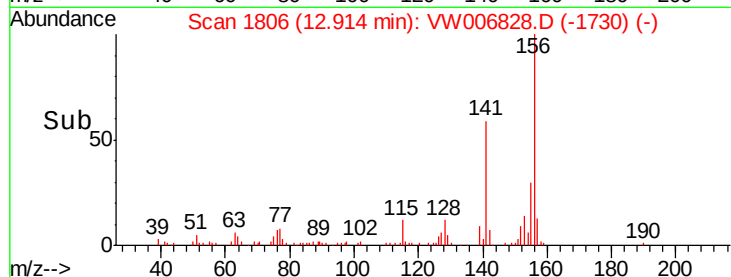
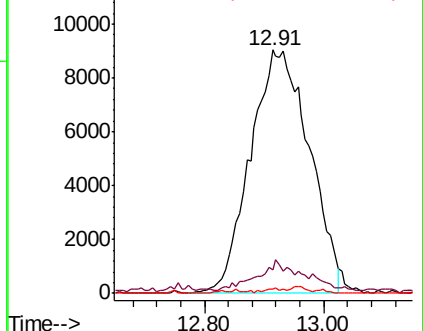
158 0.7 49.2 147.6#



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



#81

trans-1,4-Dichloro-2-butene

Concen: 138.466 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

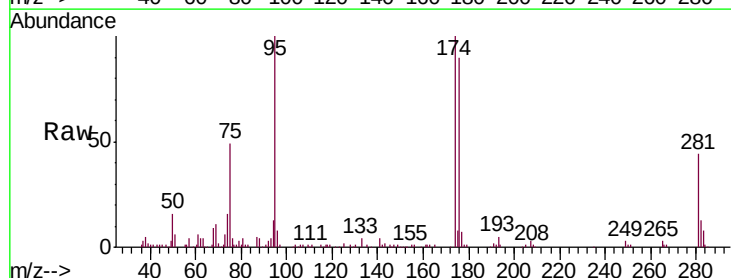
Tgt Ion: 75 Resp: 16022

Ion Ratio Lower Upper

75 100

53 0.5 72.9 109.3#

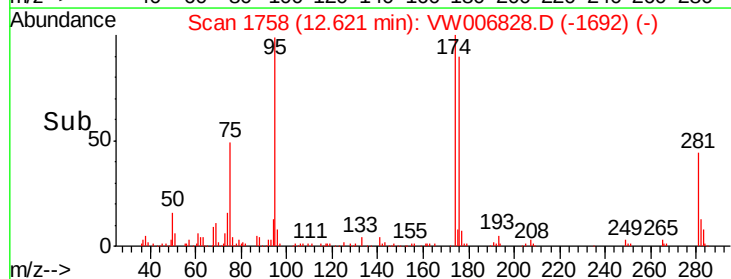
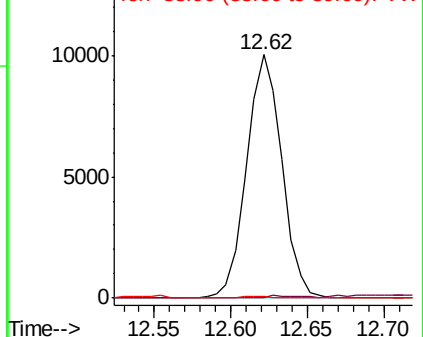
89 0.4 38.7 58.1#

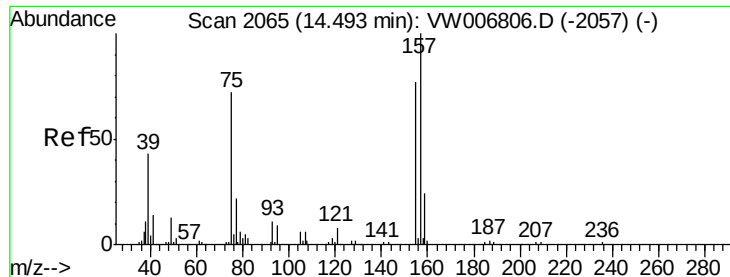


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 7.272 ug/l

RT: 14.32 min Scan# 2037

Delta R.T. -0.17 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

Instrument :

MSVOA_W

ClientSampleId :

SR-6-S

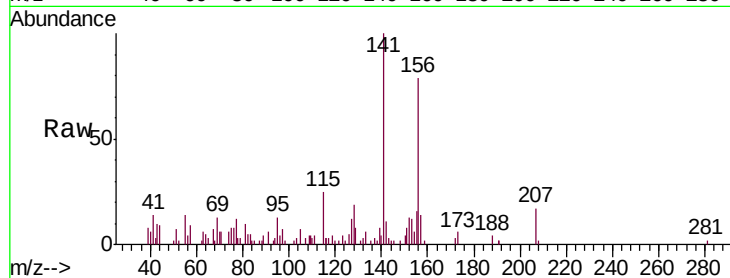
Tgt Ion: 75 Resp: 444

Ion Ratio Lower Upper

75 100

155 506.3 51.0 153.1#

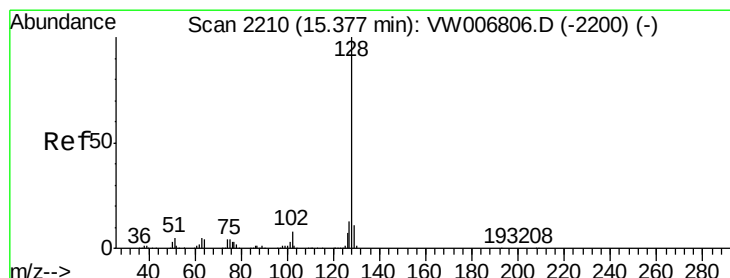
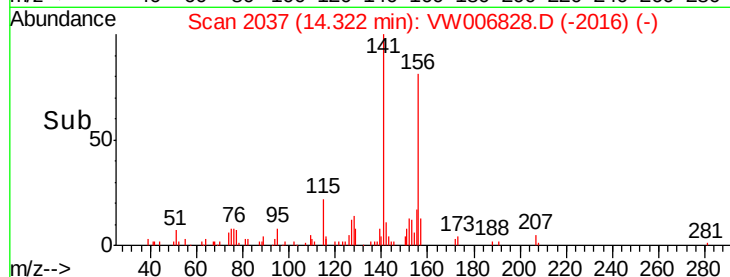
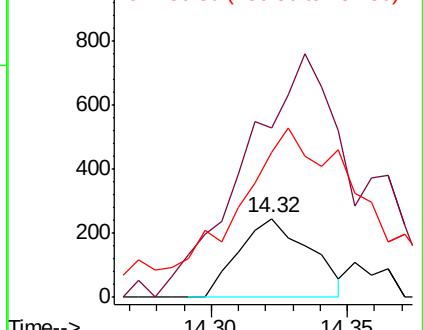
157 422.5 67.4 202.2#



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



#95

Naphthalene

Concen: 1.533 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006828.D

Acq: 13 Nov 2018 02:18

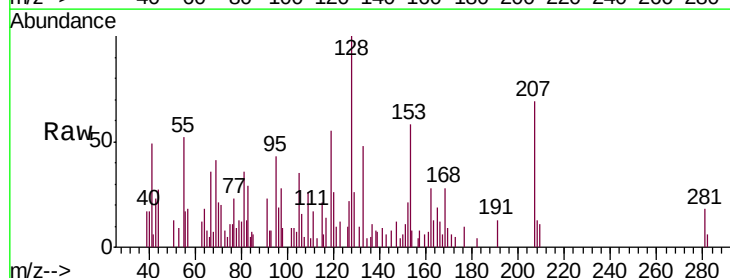
Tgt Ion:128 Resp: 2135

Ion Ratio Lower Upper

128 100

127 18.2 10.3 15.5#

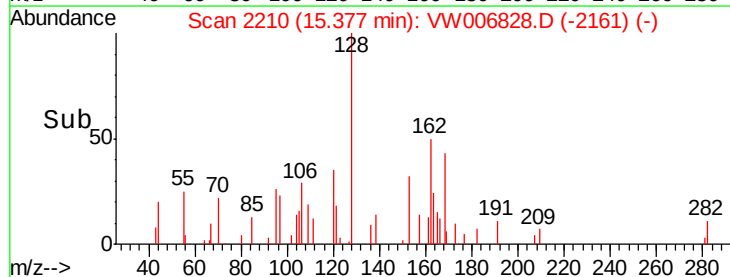
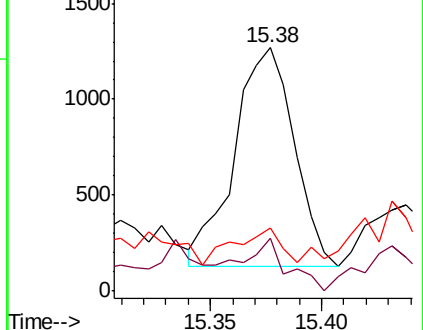
129 13.3 8.6 13.0#

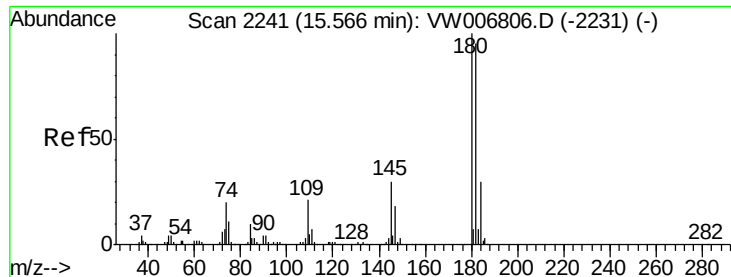


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.015 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW006828.D
 Acq: 13 Nov 2018 02:18

Instrument :
 MSVOA_W
 ClientSampleId :
 SR-6-S

Tgt Ion	Ratio	Lower	Upper
180	100		
182	31.1	47.9	143.6#
145	299.9	15.2	45.5#

