

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007190.D
 Acq On : 04 Dec 2018 16:30
 Operator : SY/AP
 Sample : J6158-01RE
 Misc : 6.89G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0488RE

Quant Time: Dec 05 05:05:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	183270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79522	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	44648	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
35) Dibromofluoromethane	7.89	113	44808	42.70	ug/l	0.00
Spiked Amount			Recovery	=	85.40%	
50) Toluene-d8	10.33	98	190682	41.25	ug/l	0.00
Spiked Amount			Recovery	=	82.50%	
62) 4-Bromofluorobenzene	12.62	95	74959	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	

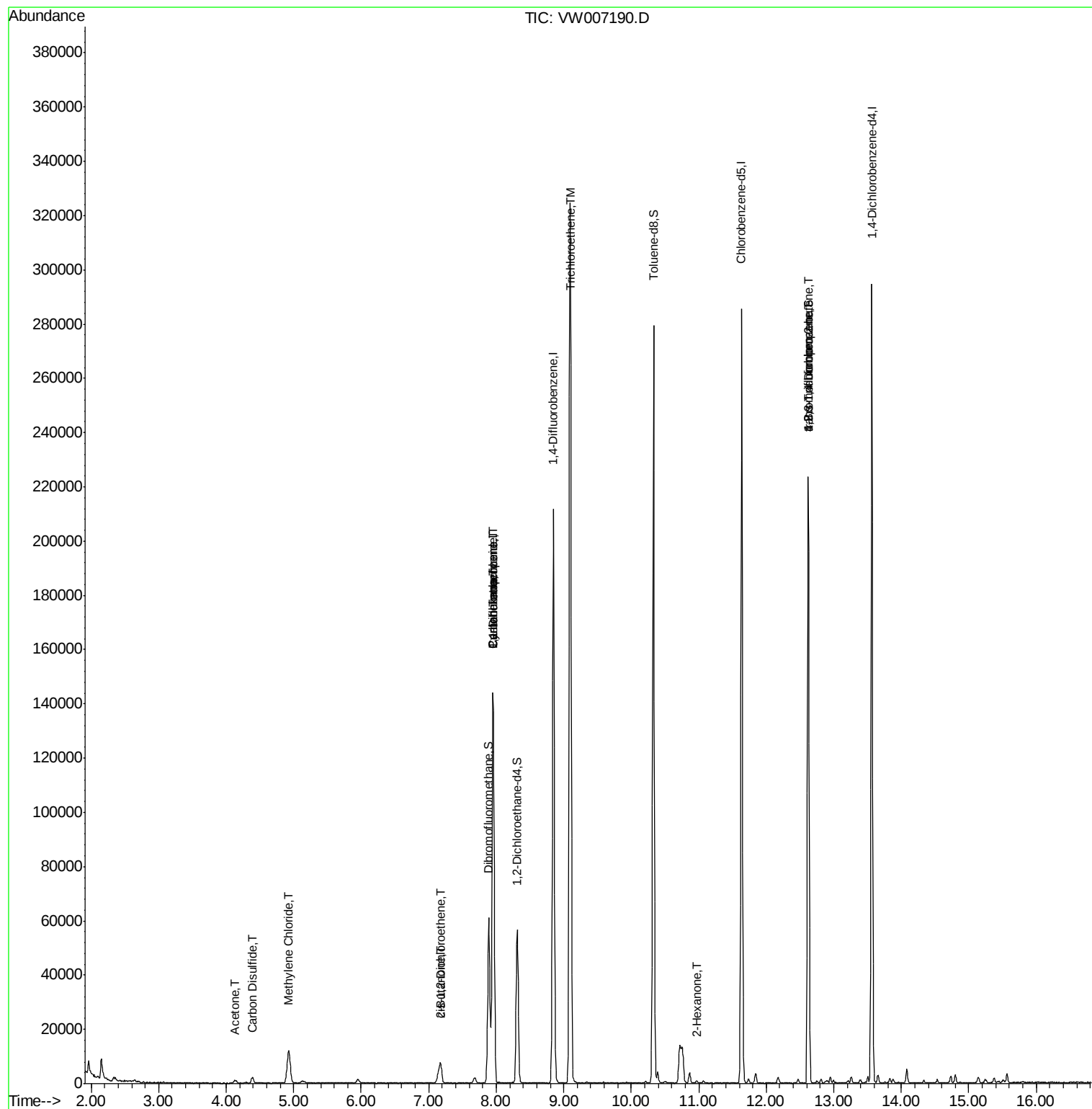
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	571	Below Cal	#	75
16) Acetone	4.13	43	2281	9.394	ug/l #	73
17) Carbon Disulfide	4.39	76	4136	1.190	ug/l #	94
20) Methylene Chloride	4.92	84	10197	3.487	ug/l	94
25) 2-Butanone	7.18	43	565	2.007	ug/l #	46
27) cis-1,2-Dichloroethene	7.17	96	3955	3.132	ug/l	95
31) Cyclohexane	7.95	56	2133	1.048	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7888	4.423	ug/l #	49
38) Carbon Tetrachloride	7.96	117	10836	5.953	ug/l #	17
44) Trichloroethene	9.10	130	117622	85.574	ug/l	98
59) 2-Hexanone	10.97	43	574	1.283	ug/l	81
76) 1,2,3-Trichloropropane	12.62	75	36824	30.814	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36824	128.899	ug/l #	13

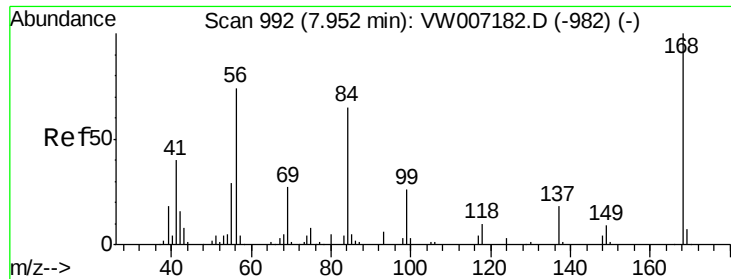
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

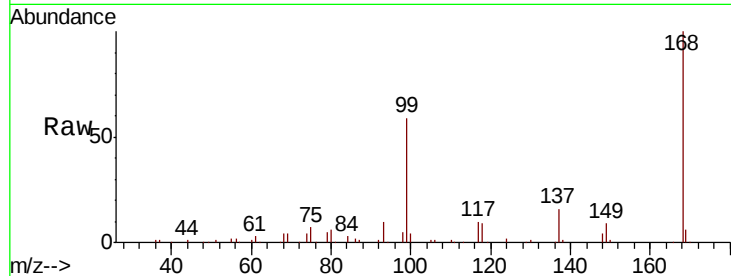
S49-0488RE

Tot Ion:168 Resp: 110170

Ion Ratio Lower Upper

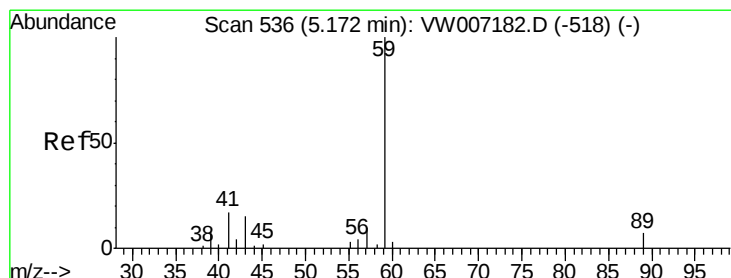
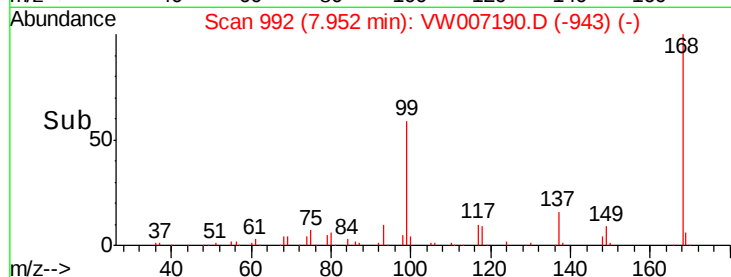
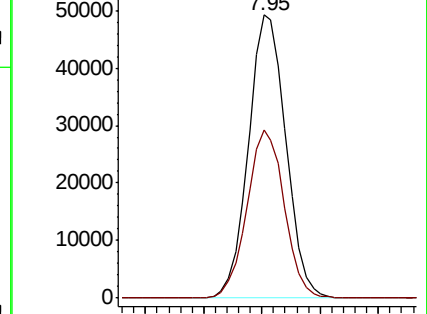
168 100

99 59.5 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW007190.D

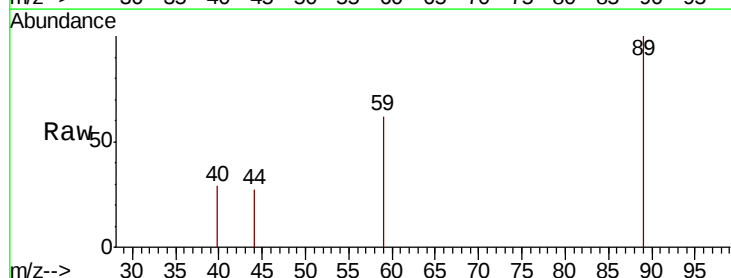
Acq: 04 Dec 2018 16:30

Tgt Ion: 59 Resp: 571

Ion Ratio Lower Upper

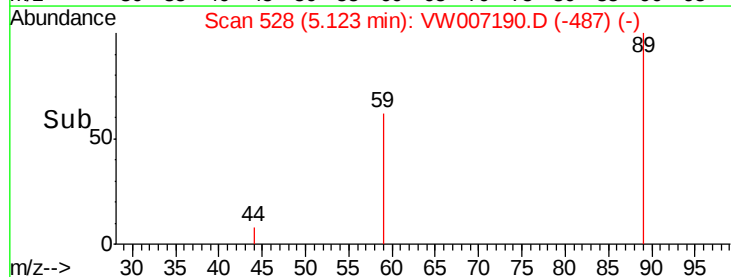
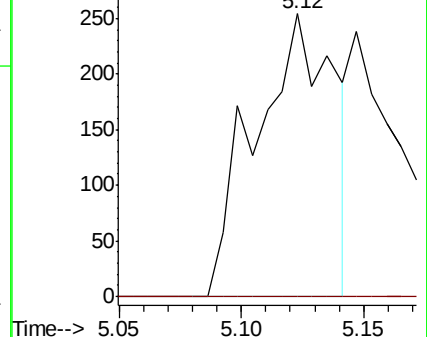
59 100

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





#16

Acetone

Concen: 9.394 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

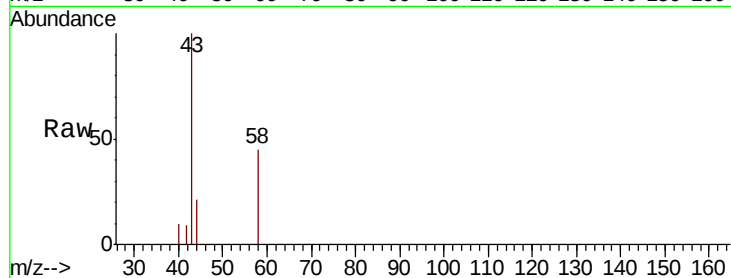
S49-0488RE

Tot Ion: 43 Resp: 2281

Ion Ratio Lower Upper

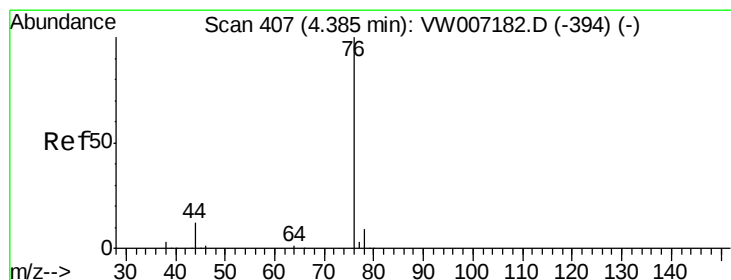
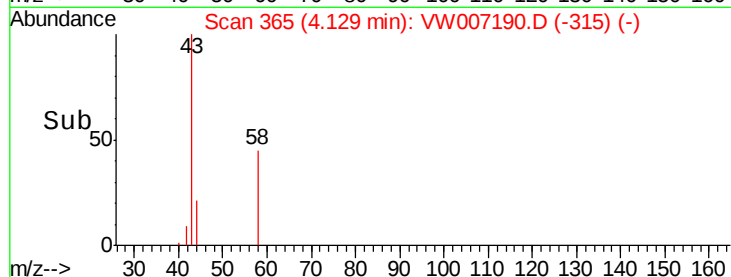
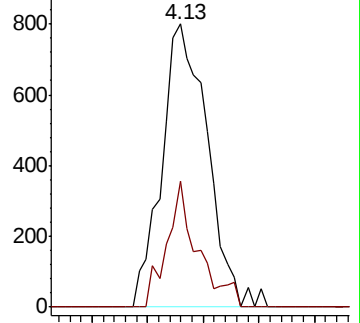
43 100

58 44.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.190 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW007190.D

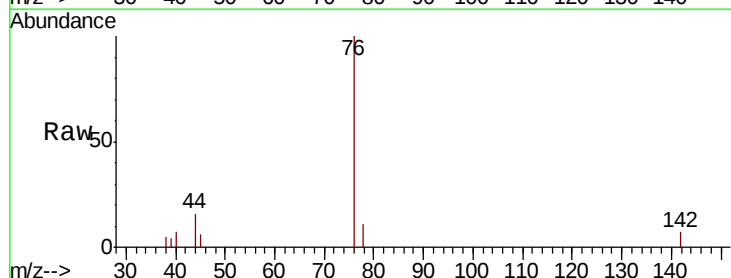
Acq: 04 Dec 2018 16:30

Tgt Ion: 76 Resp: 4136

Ion Ratio Lower Upper

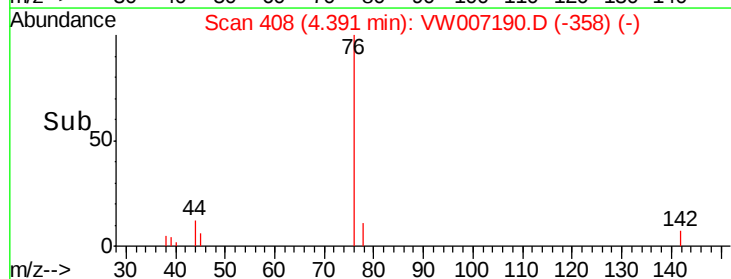
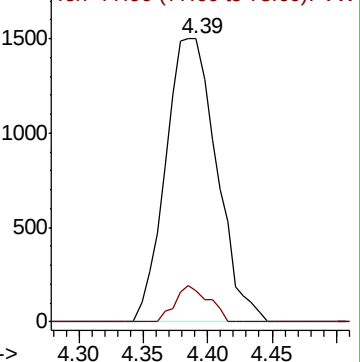
76 100

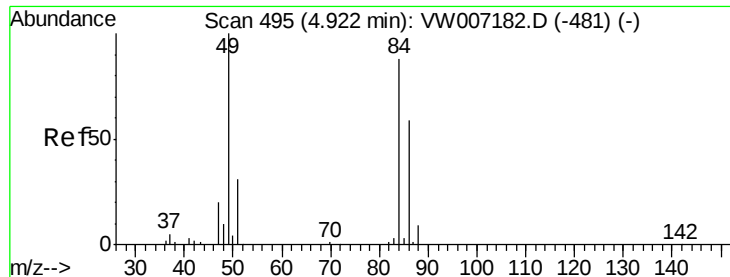
78 11.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

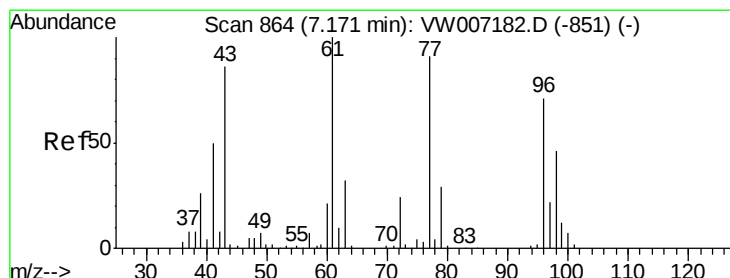
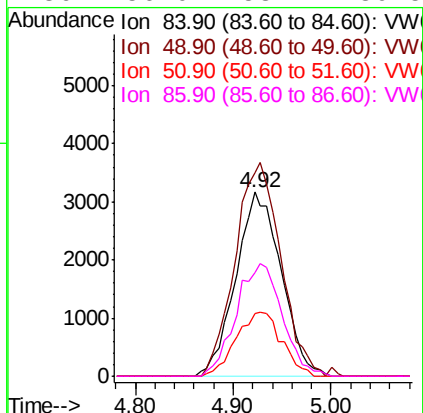
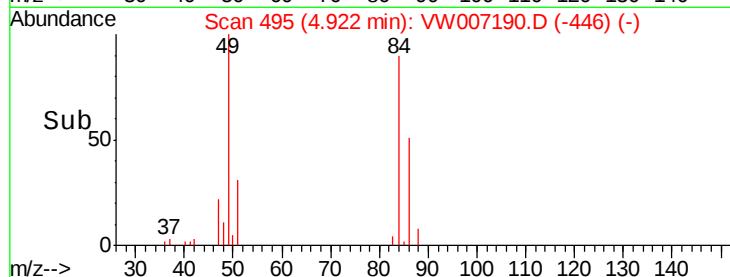
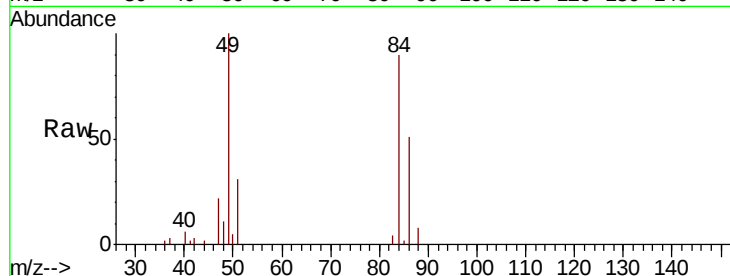




#20
Methylene Chloride
Concen: 3.487 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007190.D
Acq: 04 Dec 2018 16:30

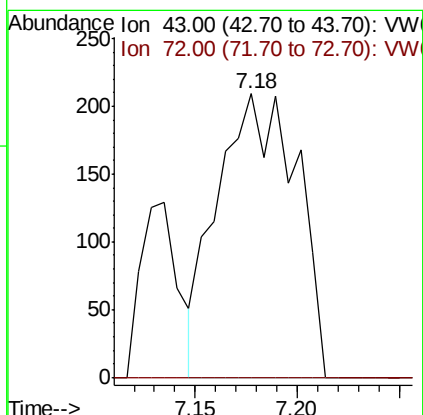
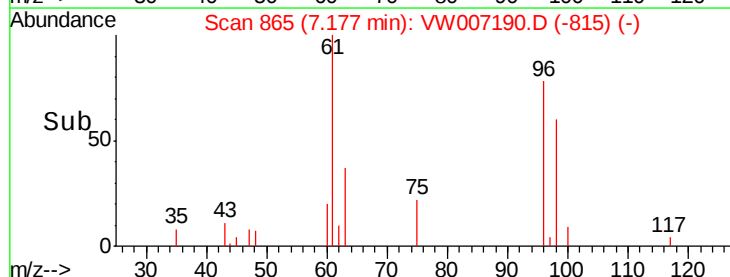
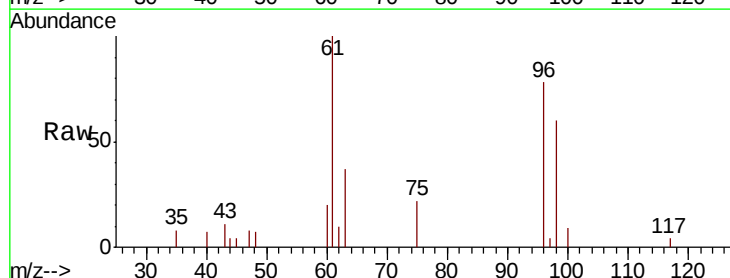
Instrument :
MSVOA_W
ClientSampled :
S49-0488RE

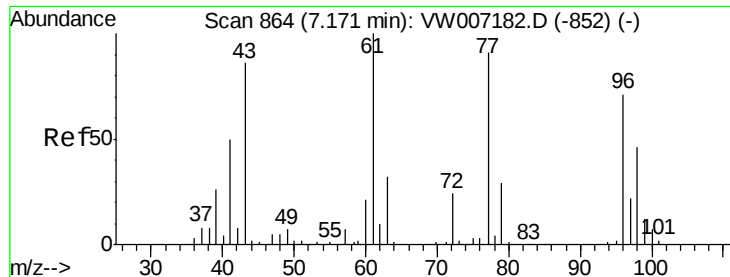
Tot Ion:	84	Resp:	10197
Ion	Ratio	Lower	Upper
84	100		
49	110.6	90.6	135.8
51	34.2	27.6	41.4
86	56.0	53.7	80.5



#25
2-Butanone
Concen: 2.007 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007190.D
Acq: 04 Dec 2018 16:30

Tgt Ion:	43	Resp:	565
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

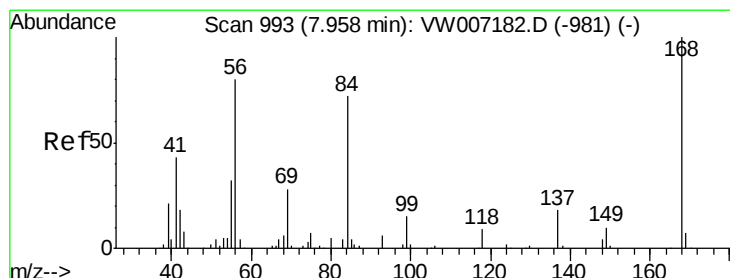
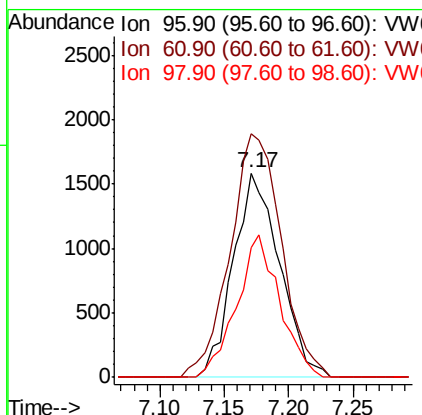
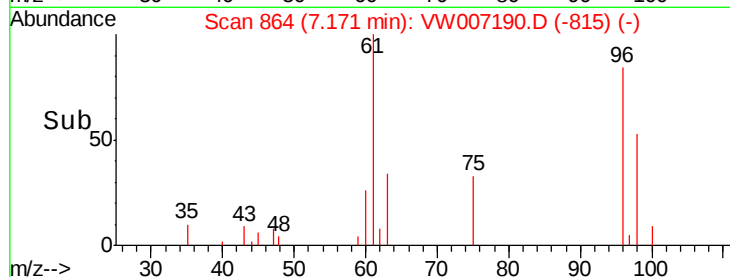
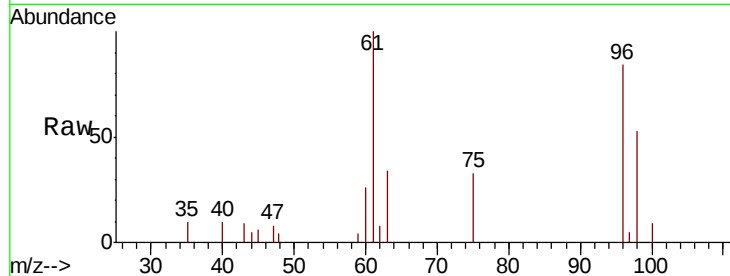




#27
 cis-1,2-Dichloroethene
 Concen: 3.132 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW007190.D
 Acq: 04 Dec 2018 16:30

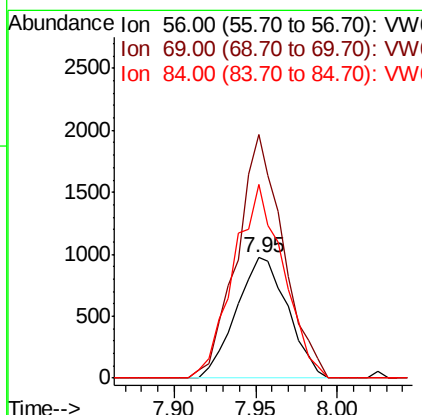
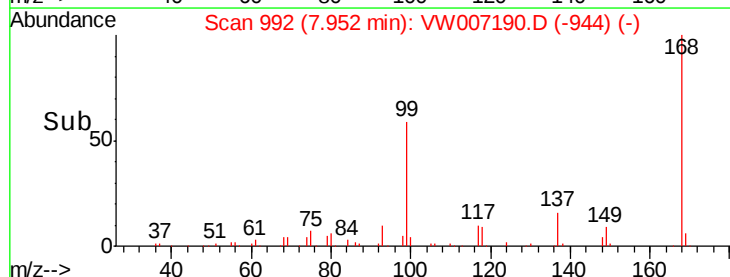
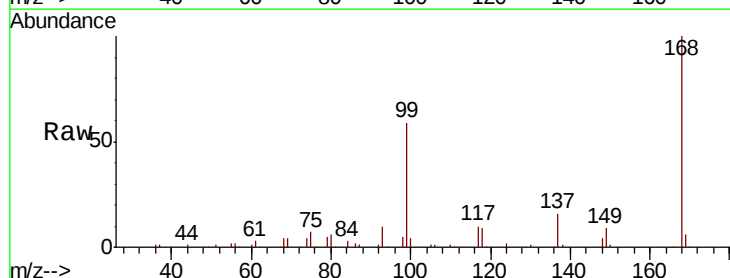
Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0488RE

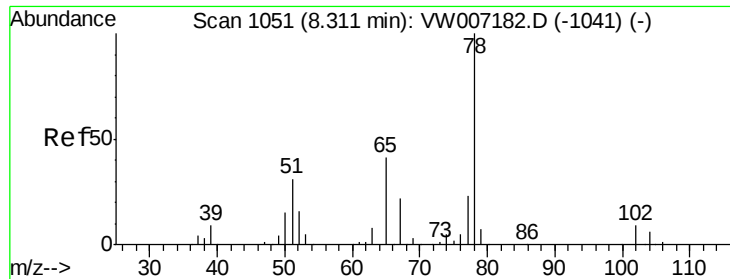
Tot Ion: 96 Resp: 3955
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 282.4
 98 64.7 0.0 129.8



#31
 Cyclohexane
 Concen: 1.048 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW007190.D
 Acq: 04 Dec 2018 16:30

Tgt Ion: 56 Resp: 2133
 Ion Ratio Lower Upper
 56 100
 69 202.3 28.2 42.2#
 84 160.9 72.1 108.1#

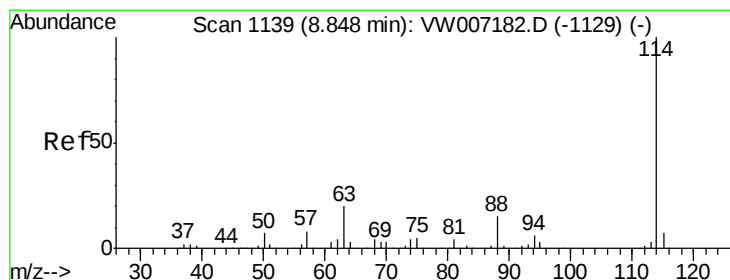
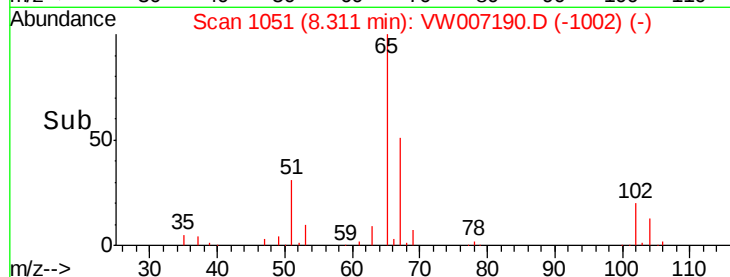
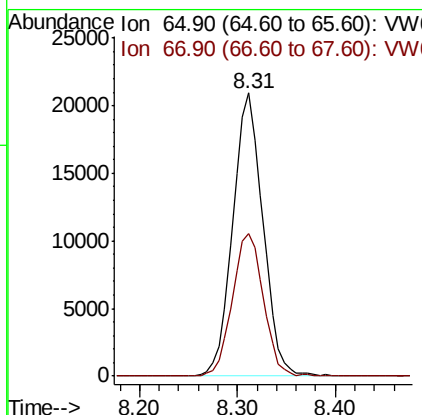
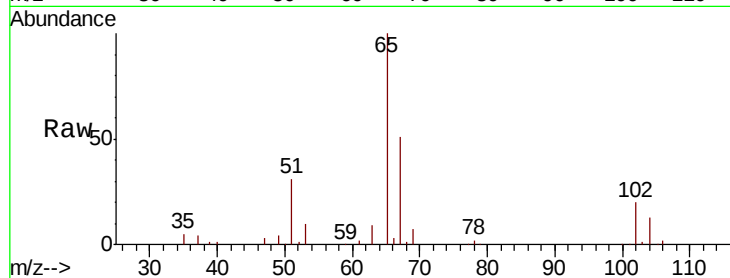




#33
 1,2-Dichloroethane-d4
 Concen: 43.528 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007190.D
 Acq: 04 Dec 2018 16:30

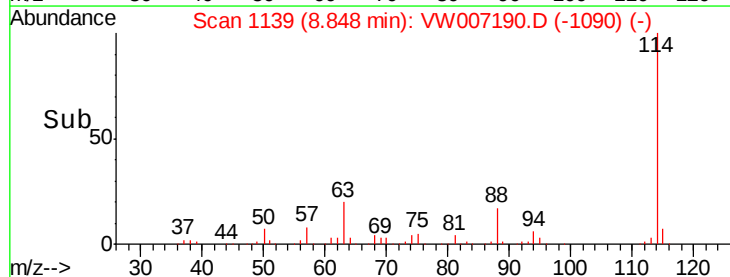
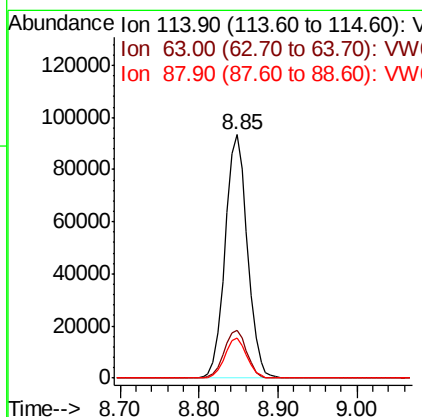
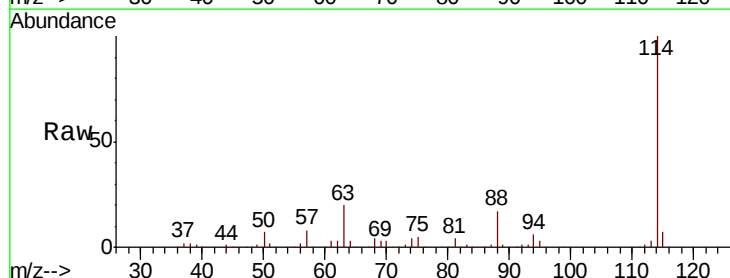
Instrument :
 MSVOA_W
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 S49-0488RE

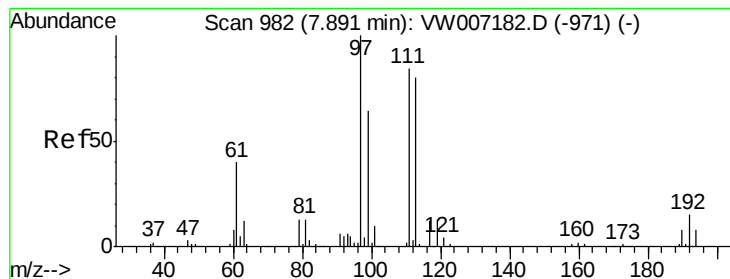
Tot Ion: 65 Resp: 44648
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007190.D
 Acq: 04 Dec 2018 16:30

Tgt Ion: 114 Resp: 183270
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.2
 88 16.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 42.699 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

S49-0488RE

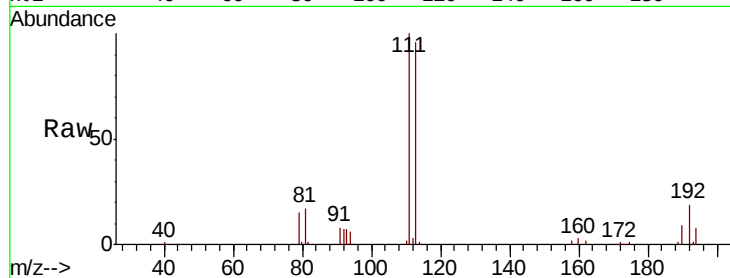
Tot Ion:113 Resp: 44808

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

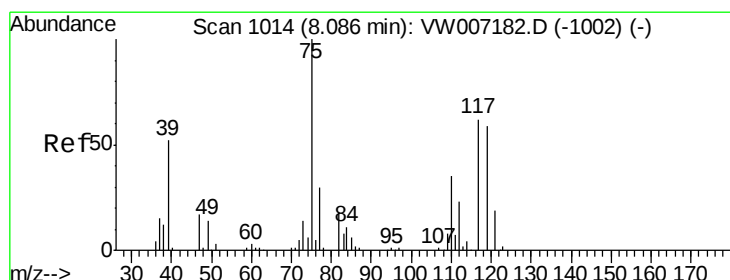
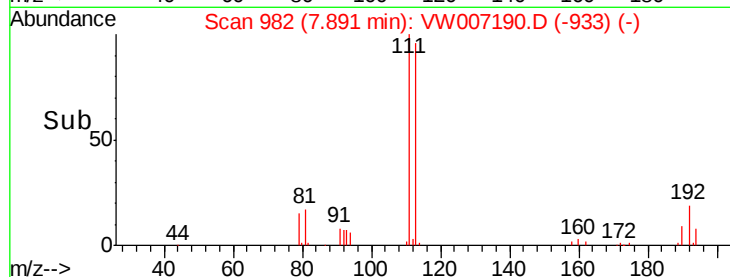
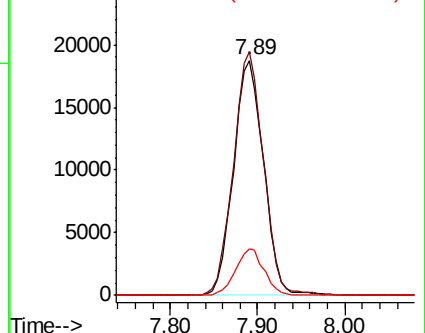
192 18.7 14.4 21.6



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: 4.423 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

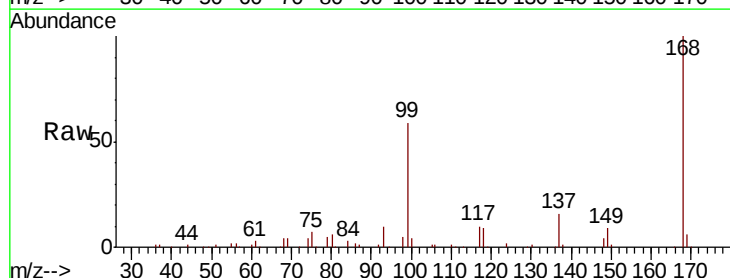
Tgt Ion: 75 Resp: 7888

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

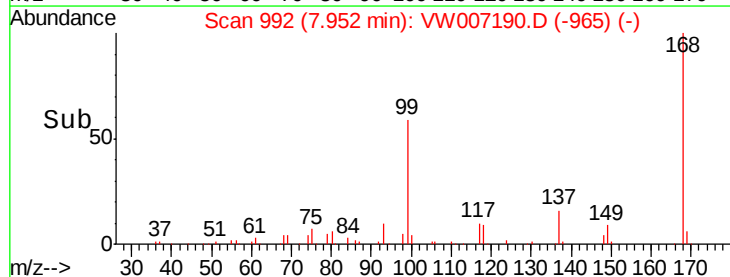
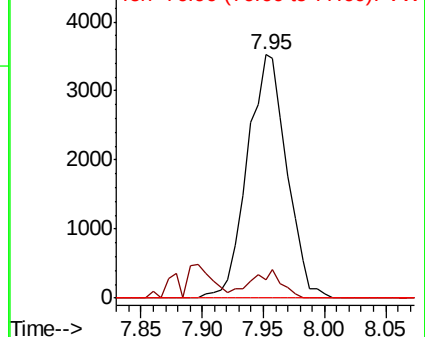
77 0.0 24.9 37.3#

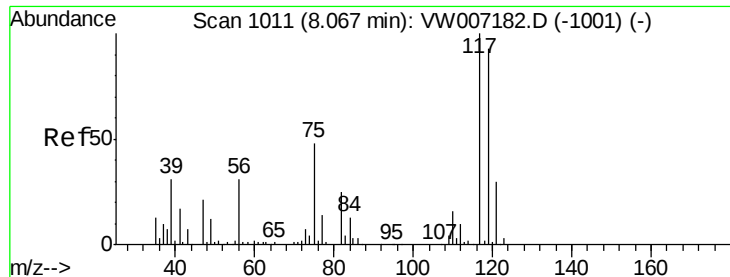


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

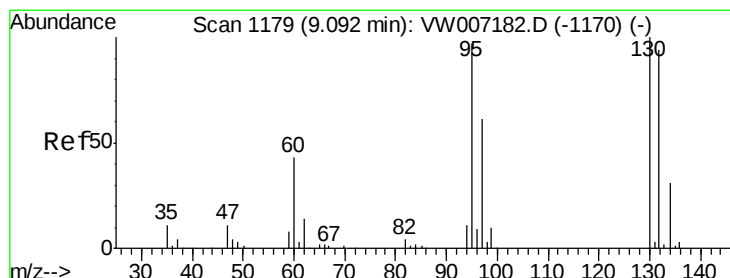
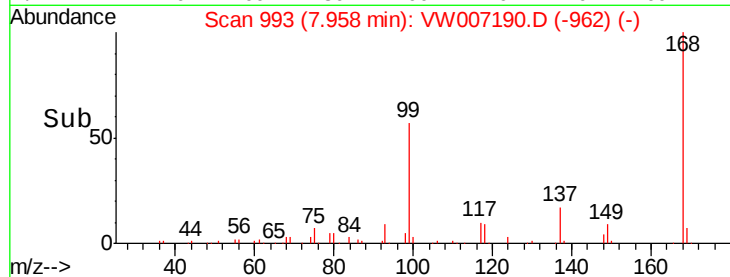
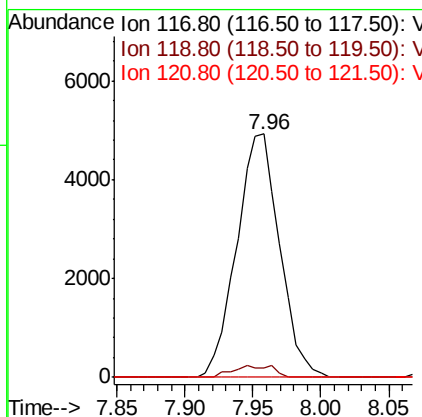
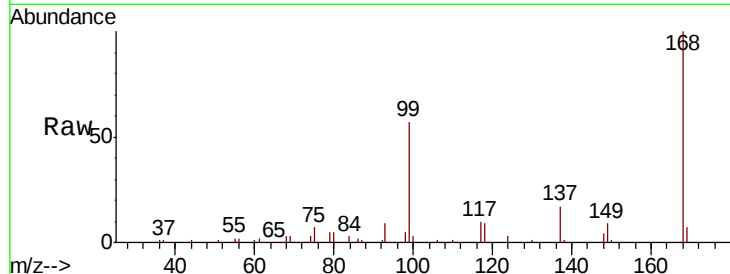




#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW007190.D
Acq: 04 Dec 2018 16:30

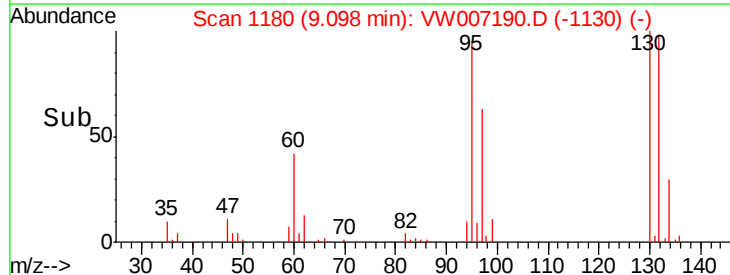
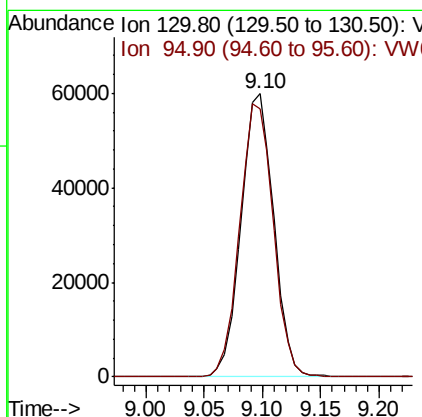
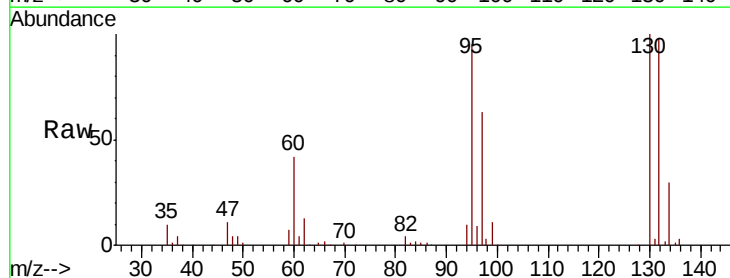
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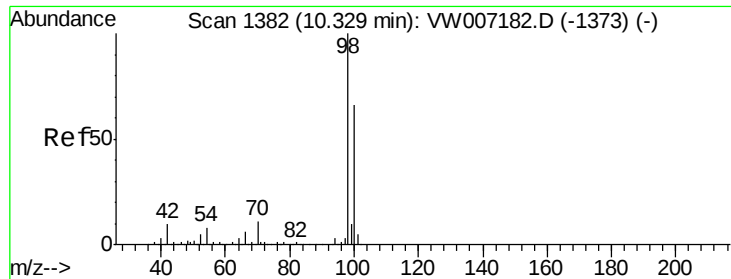
Tot Ion:117 Resp: 10836
Ion Ratio Lower Upper
117 100
119 4.1 74.1 111.1#
121 0.0 23.9 35.9#



#44
Trichloroethene
Concen: 85.574 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW007190.D
Acq: 04 Dec 2018 16:30

Tgt Ion:130 Resp: 117622
Ion Ratio Lower Upper
130 100
95 94.7 0.0 194.0





#50

Toluene-d8

Concen: 41.250 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

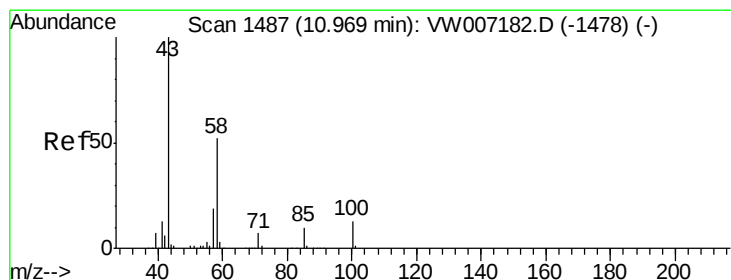
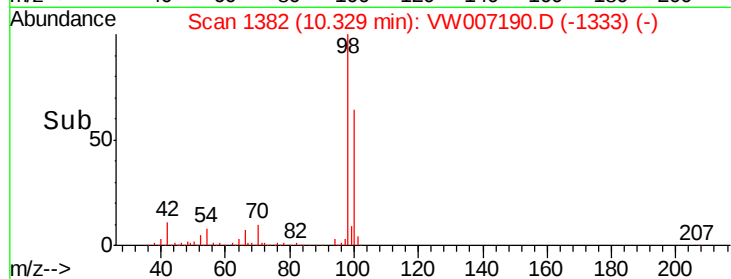
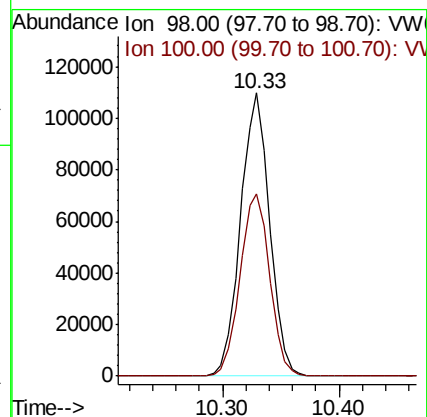
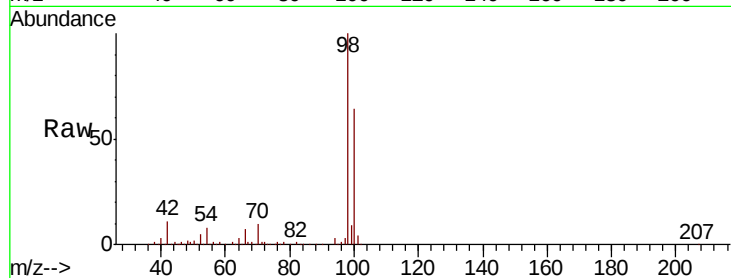
S49-0488RE

Tot Ion: 98 Resp: 190682

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



#59

2-Hexanone

Concen: 1.283 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007190.D

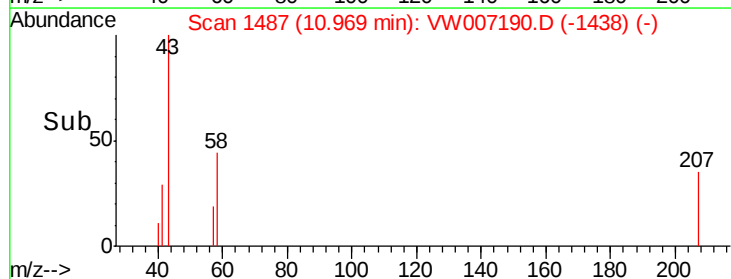
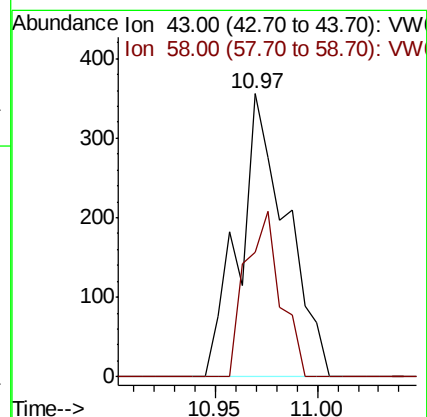
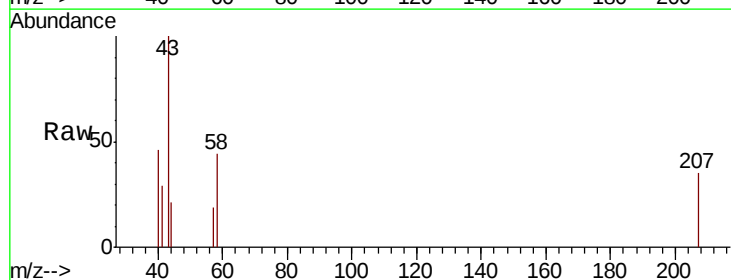
Acq: 04 Dec 2018 16:30

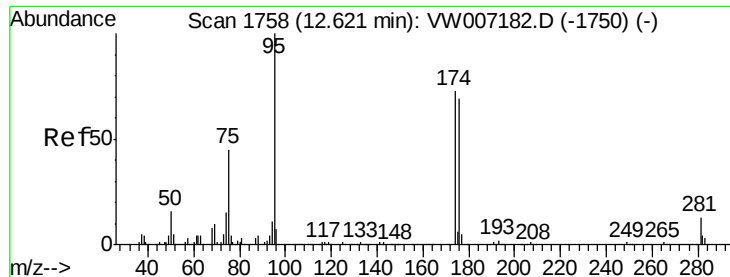
Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

43 100

58 42.7 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 42.962 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

S49-0488RE

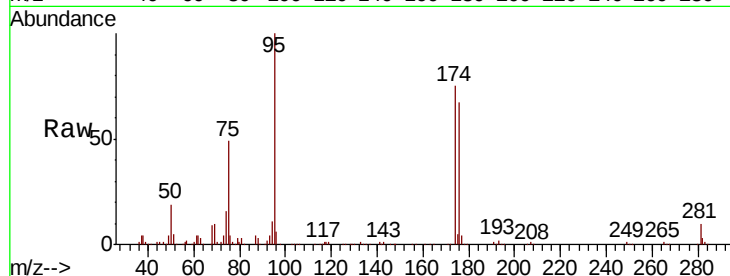
Tot Ion: 95 Resp: 74959

Ion Ratio Lower Upper

95 100

174 72.8 0.0 148.0

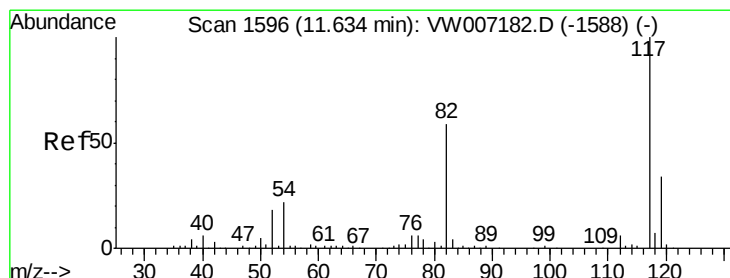
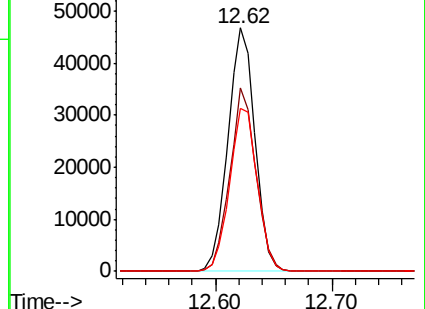
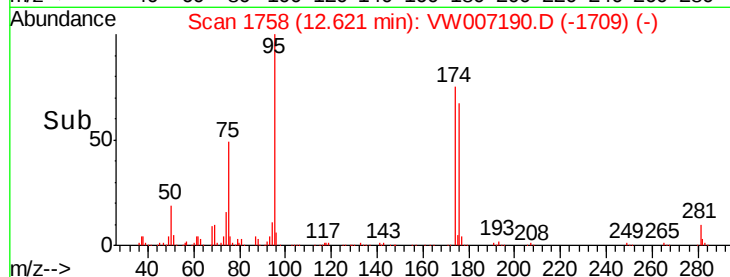
176 69.0 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

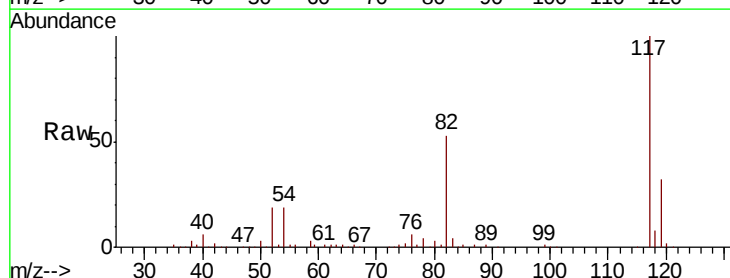
Tgt Ion: 117 Resp: 165975

Ion Ratio Lower Upper

117 100

82 52.7 47.4 71.2

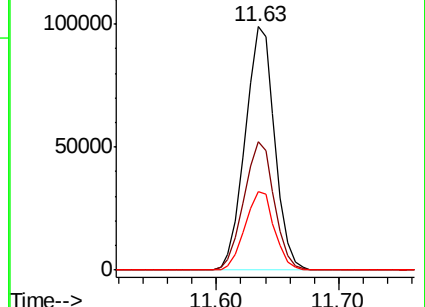
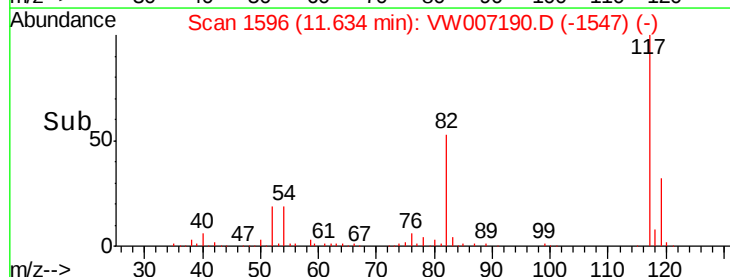
119 32.2 26.8 40.2

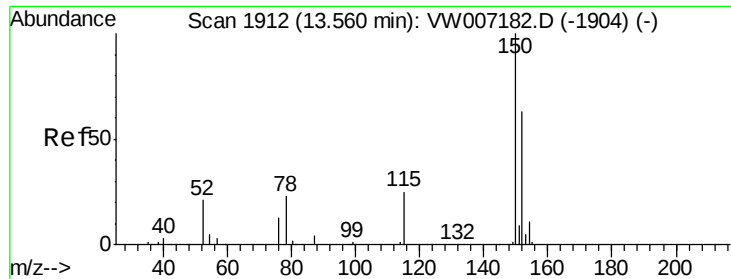


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

S49-0488RE

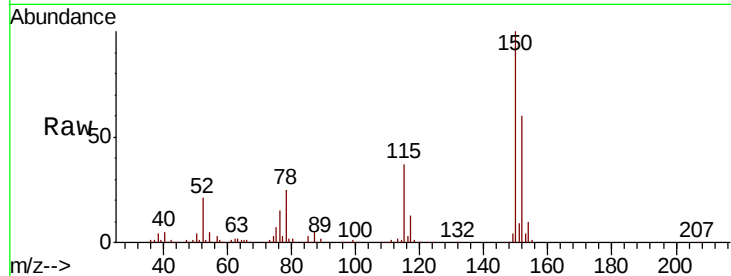
Tot Ion:152 Resp: 79522

Ion Ratio Lower Upper

152 100

115 61.2 31.3 93.8

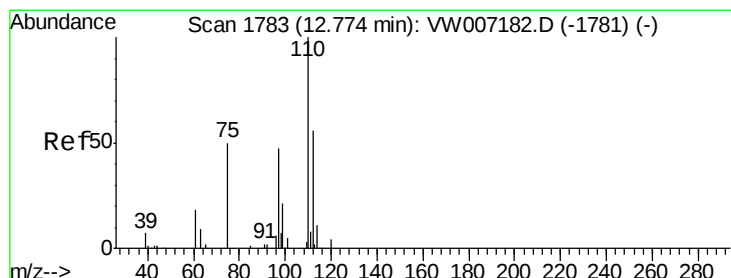
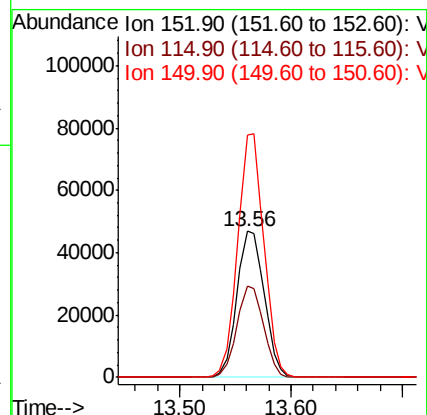
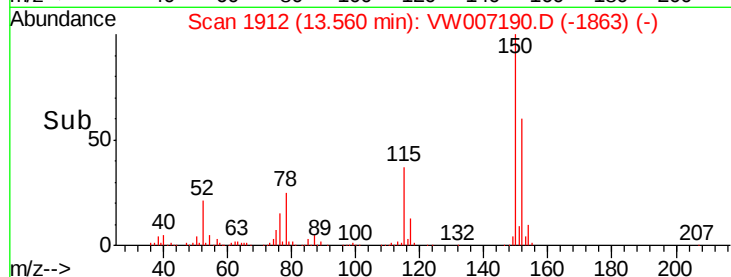
150 160.0 0.0 358.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 30.814 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007190.D

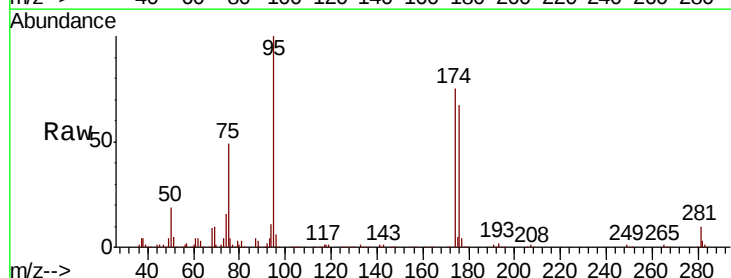
Acq: 04 Dec 2018 16:30

Tgt Ion: 75 Resp: 36824

Ion Ratio Lower Upper

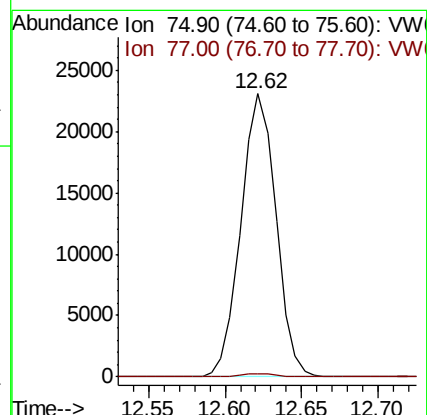
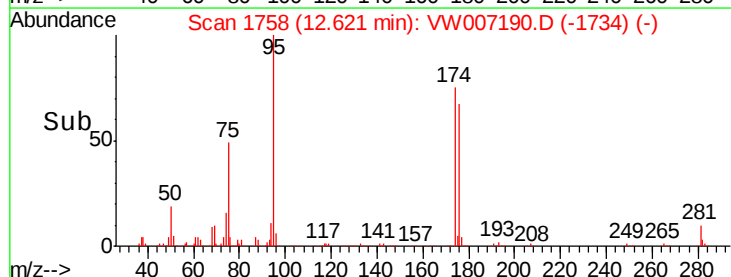
75 100

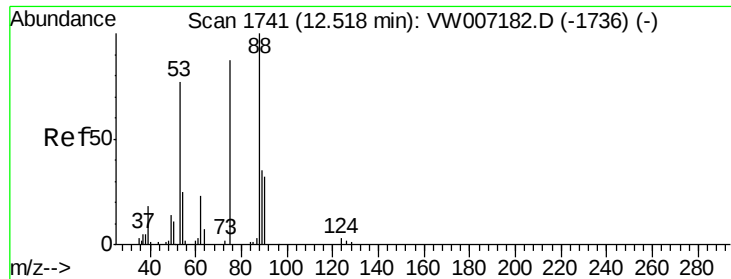
77 1.2 0.0 0.0#



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: 128.899 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007190.D

Acq: 04 Dec 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

S49-0488RE

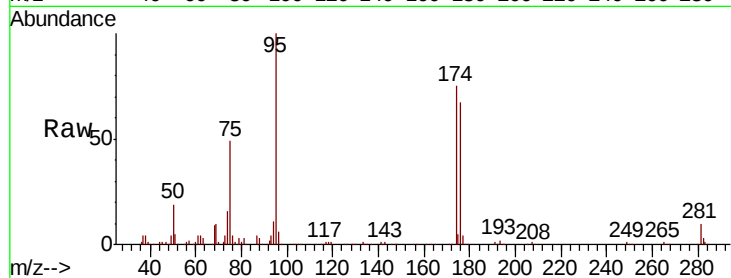
Tot Ion: 75 Resp: 36824

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.1 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

