

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010712.D
 Acq On : 06 Jun 2019 16:17
 Operator : SY/VA
 Sample : K3245-01
 Misc : 7.04G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DRILLING-MUD

Quant Time: Jun 07 07:39:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145662	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	140657	57.92	ug/l	0.00
Spiked Amount			Recovery	=	115.84%	
35) Dibromofluoromethane	7.88	113	105336	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
50) Toluene-d8	10.32	98	471714	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
62) 4-Bromofluorobenzene	12.62	95	171143	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	

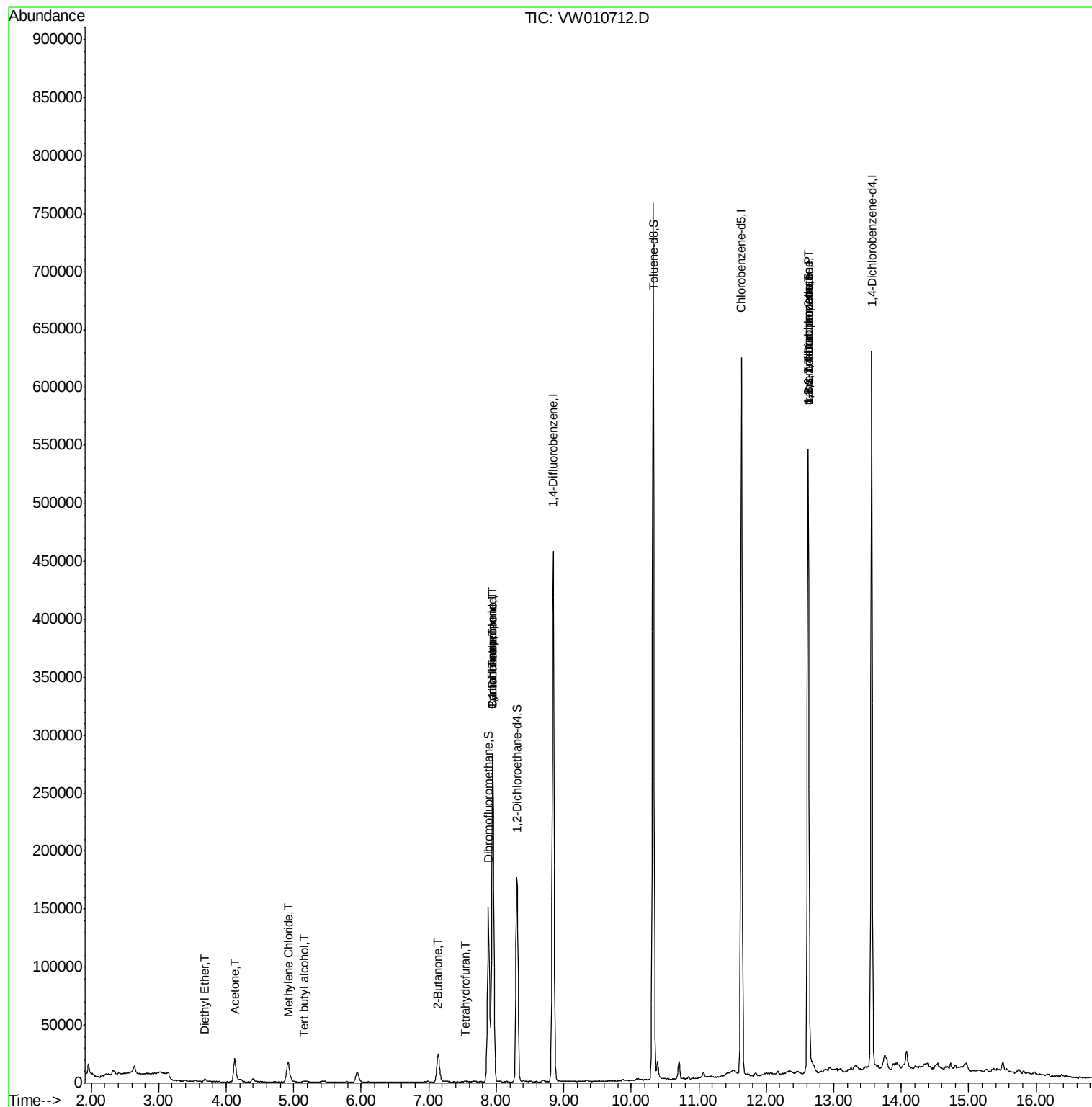
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	1236	1.029	ug/l	76
11) Tert butyl alcohol	5.16	59	1018	5.145	ug/l #	83
16) Acetone	4.13	43	35876	55.131	ug/l	98
20) Methylene Chloride	4.91	84	11661	5.108	ug/l	97
25) 2-Butanone	7.15	43	2105	2.333	ug/l	98
29) Tetrahydrofuran	7.54	42	788	1.388	ug/l #	55
31) Cyclohexane	7.95	56	5430	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18097	4.946	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20649	6.538	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.62	83	2534	1.216	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	92095	60.207	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92095	138.375	ug/l #	6

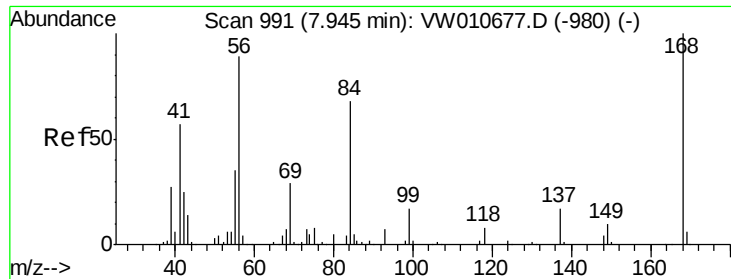
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060619\
Data File : VW010712.D
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

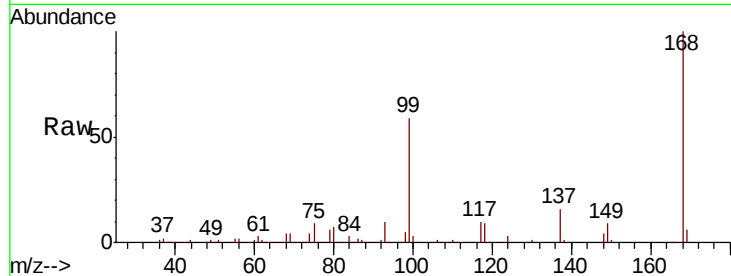
Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

Tot Ion:168 Resp: 206048

Ion Ratio Lower Upper

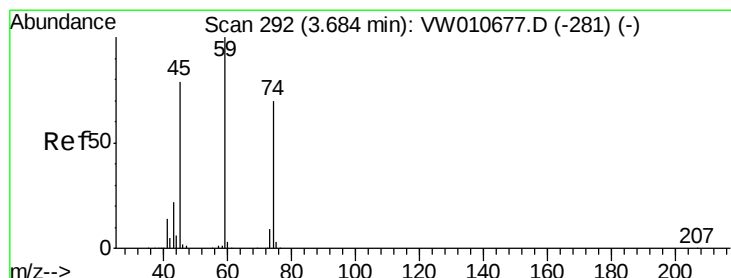
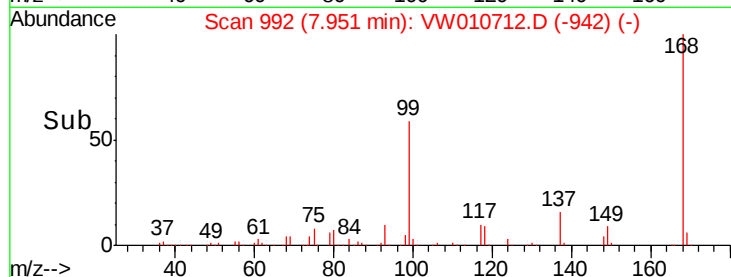
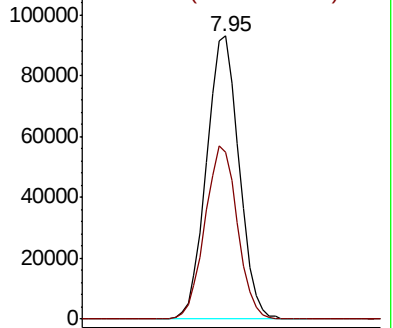
168 100

99 59.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.029 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW010712.D

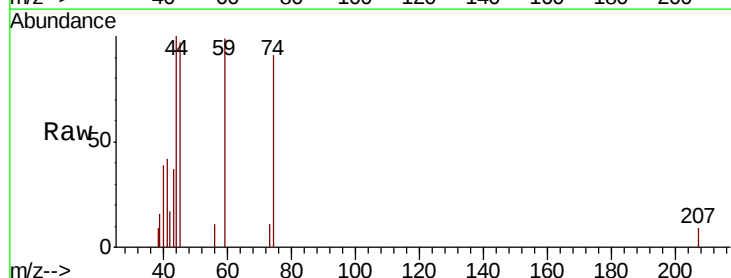
Acq: 06 Jun 2019 16:17

Tgt Ion: 74 Resp: 1236

Ion Ratio Lower Upper

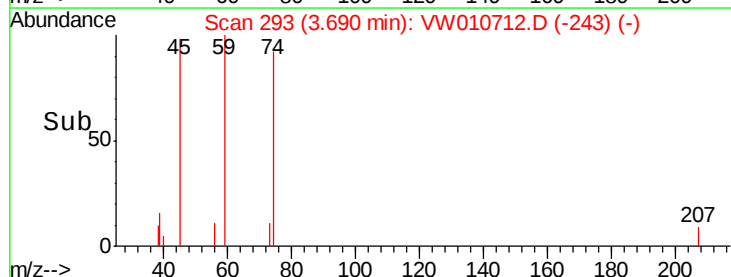
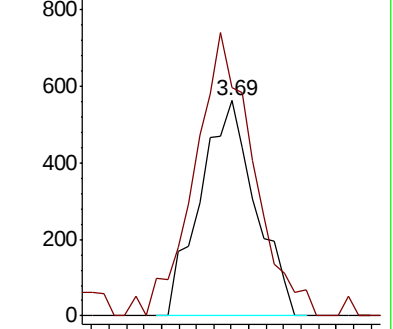
74 100

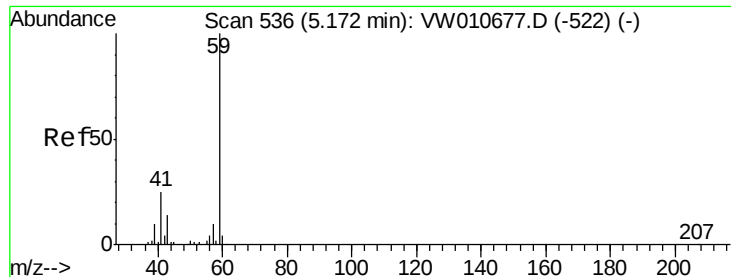
45 139.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



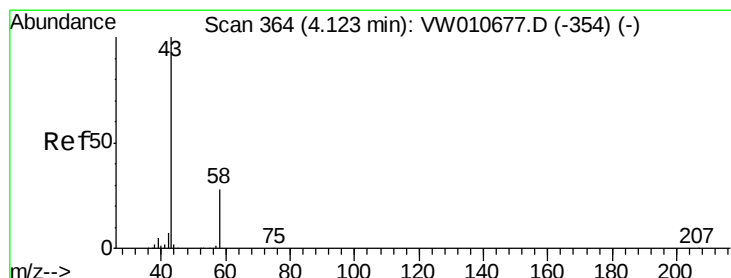
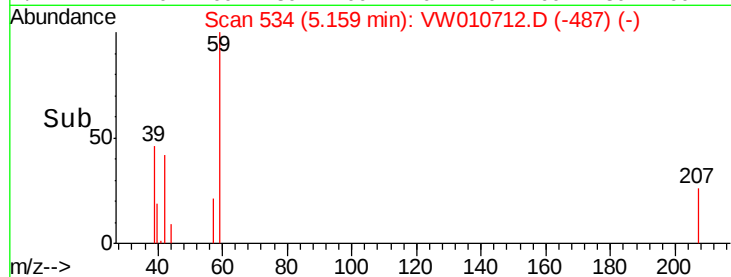
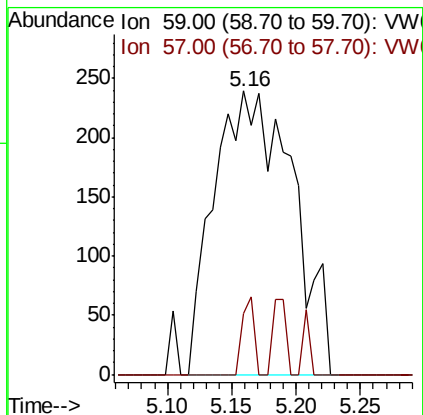
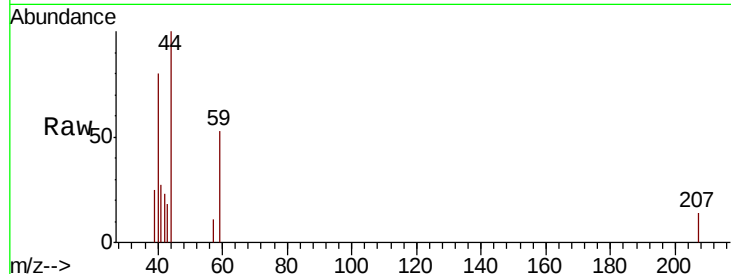


#11

Tert butyl alcohol
 Concen: 5.145 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010712.D
 Acq: 06 Jun 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 DRILLING-MUD

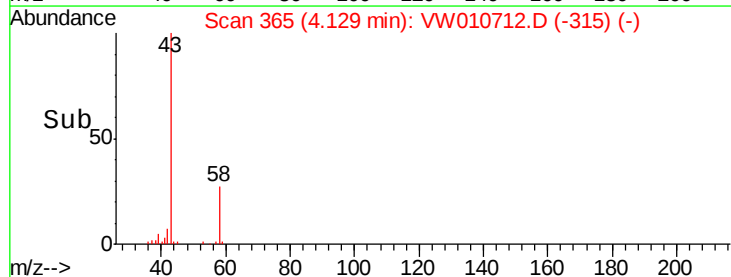
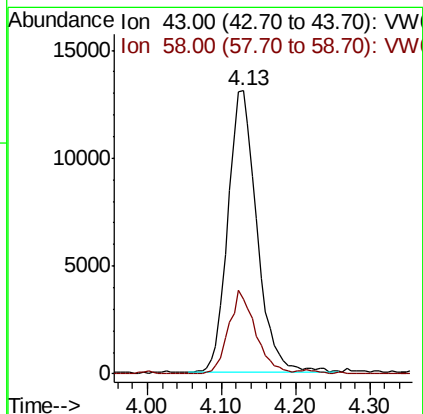
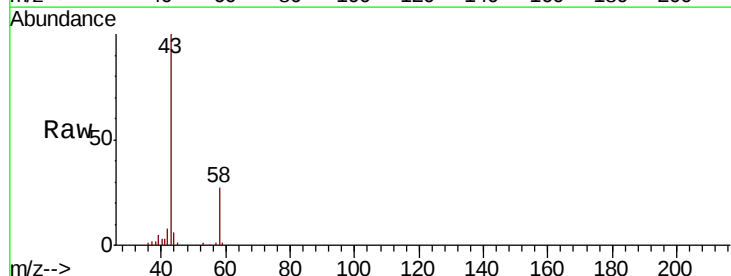
Tot Ion: 59 Resp: 1018
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.6 12.8#

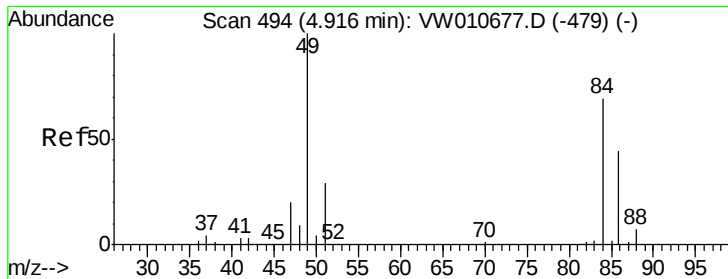


#16

Acetone
 Concen: 55.131 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW010712.D
 Acq: 06 Jun 2019 16:17

Tgt Ion: 43 Resp: 35876
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.1 33.1

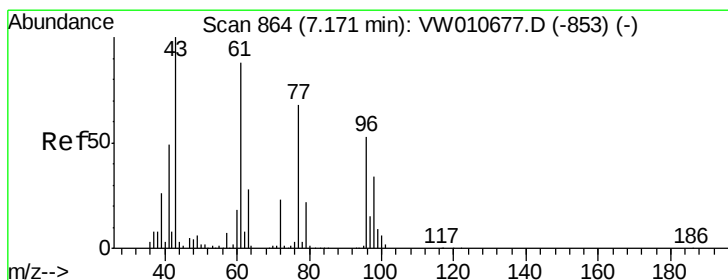
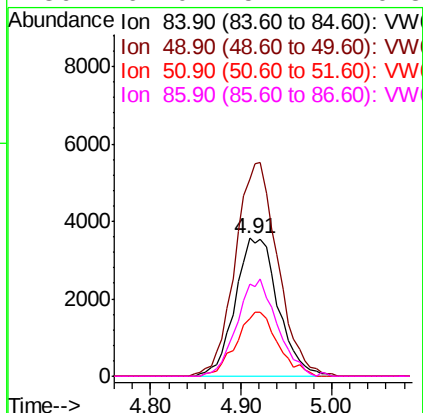
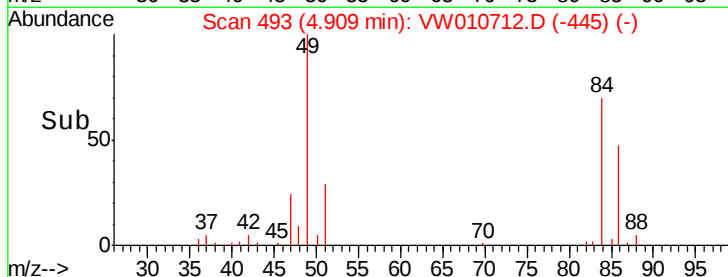
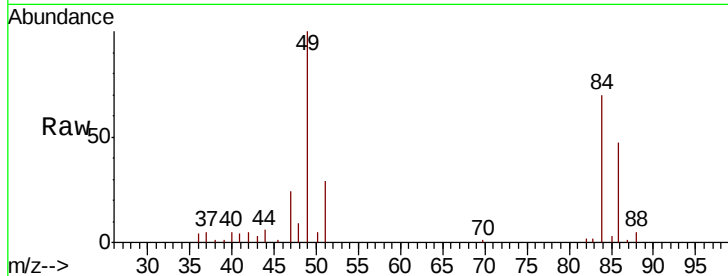




#20
Methylene Chloride
Concen: 5.108 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010712.D
Acq: 06 Jun 2019 16:17

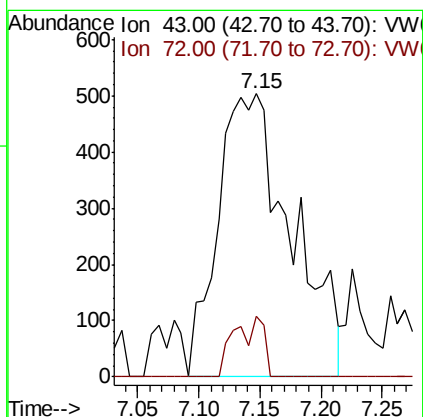
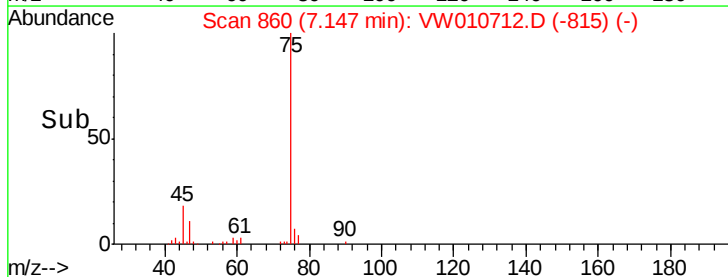
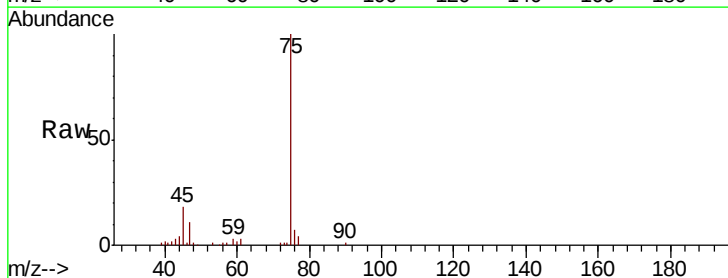
Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

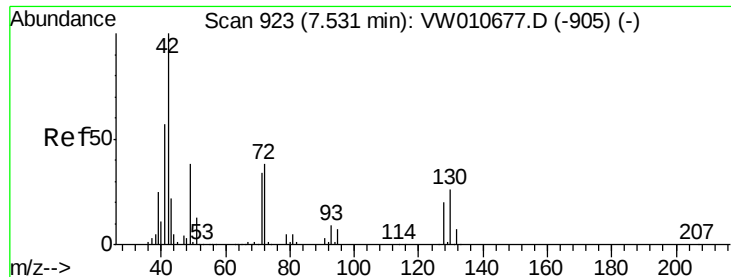
Tot Ion: 84 Resp: 11661
Ion Ratio Lower Upper
84 100
49 142.9 116.7 175.1
51 41.7 34.2 51.2
86 67.0 51.2 76.8



#25
2-Butanone
Concen: 2.333 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW010712.D
Acq: 06 Jun 2019 16:17

Tgt Ion: 43 Resp: 2105
Ion Ratio Lower Upper
43 100
72 21.5 18.1 27.1

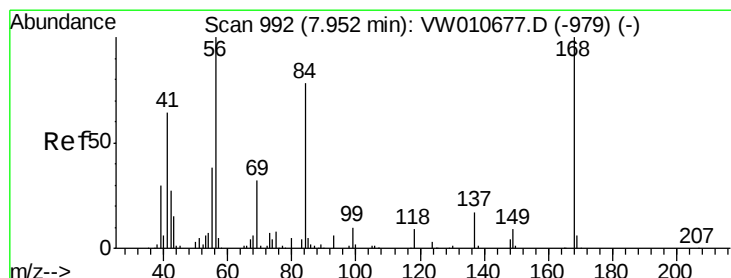
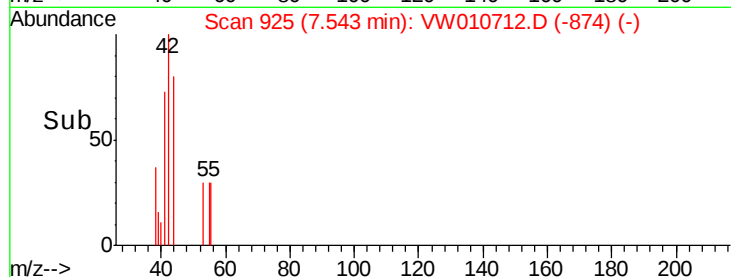
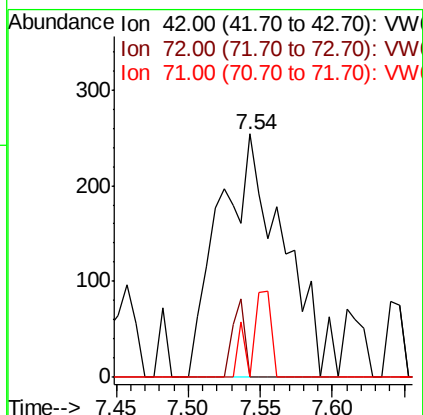
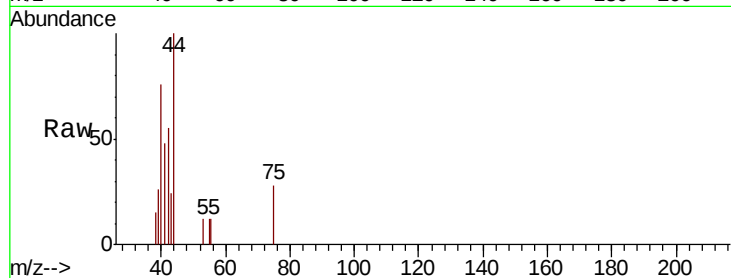




#29
Tetrahydrofuran
Concen: 1.388 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010712.D
Acq: 06 Jun 2019 16:17

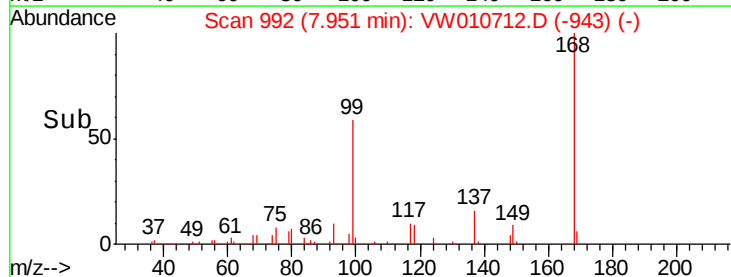
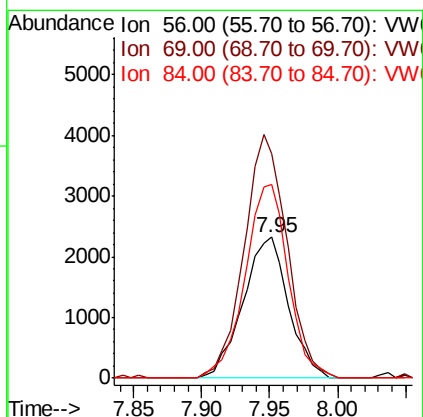
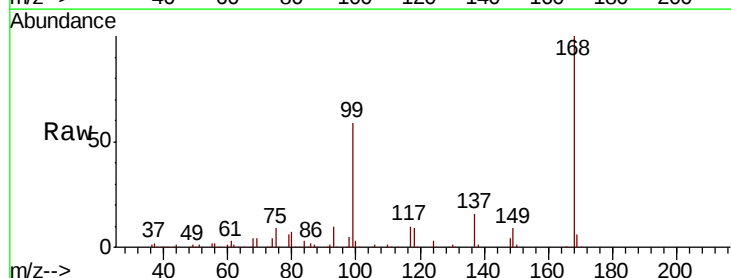
Instrument :
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ClientSampleId :
DRILLING-MUD

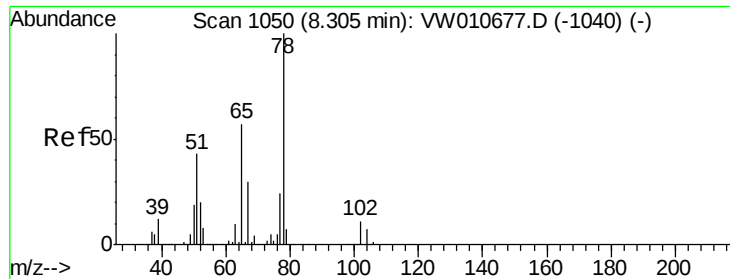
Tot Ion: 42 Resp: 788
Ion Ratio Lower Upper
42 100
72 6.3 28.7 43.1#
71 10.9 26.6 39.8#



#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010712.D
Acq: 06 Jun 2019 16:17

Tgt Ion: 56 Resp: 5430
Ion Ratio Lower Upper
56 100
69 159.2 25.2 37.8#
84 137.6 62.2 93.2#

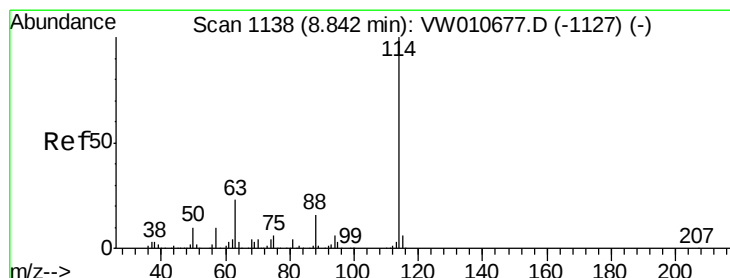
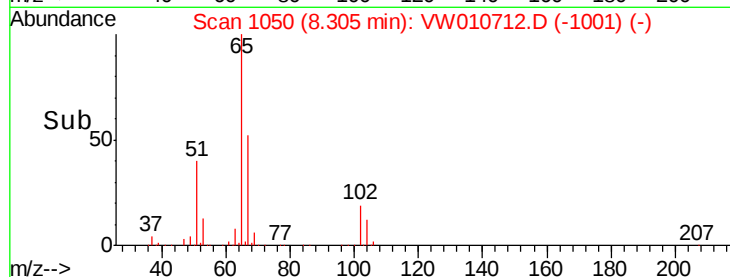
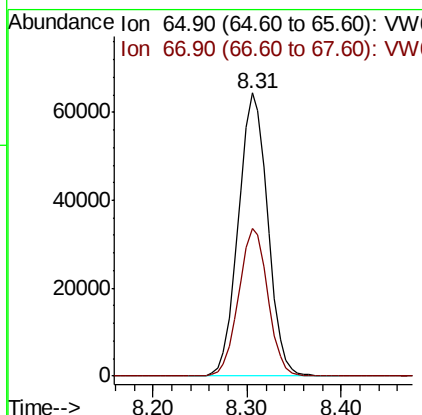
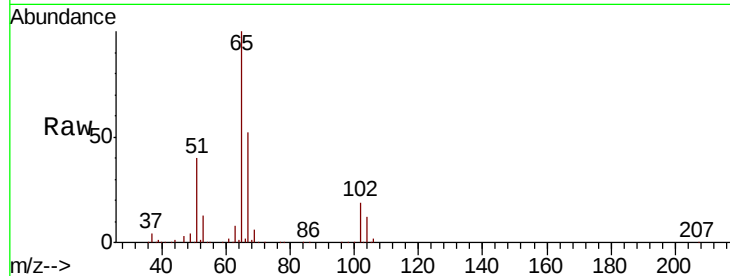




#33
 1,2-Dichloroethane-d4
 Concen: 57.916 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010712.D
 Acq: 06 Jun 2019 16:17

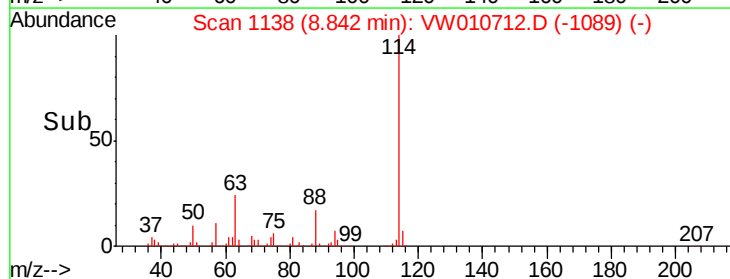
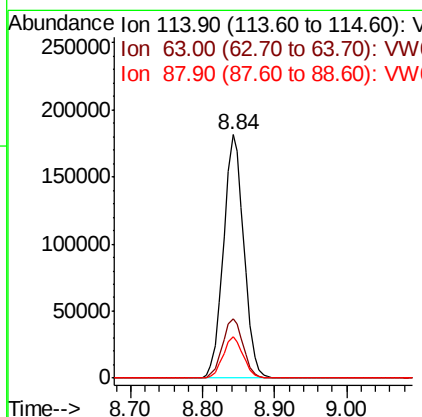
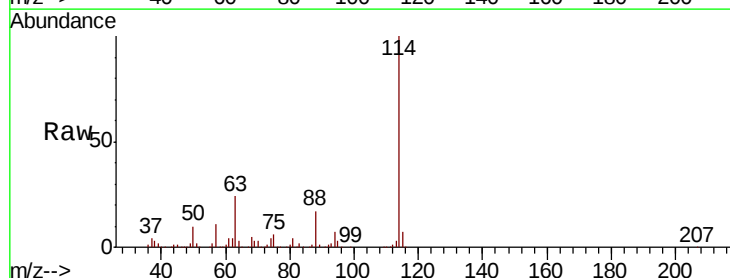
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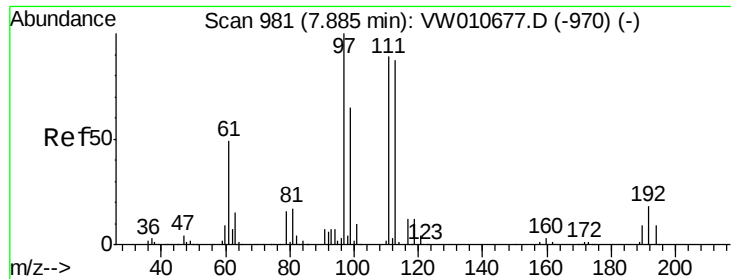
Tot Ion: 65 Resp: 140657
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010712.D
 Acq: 06 Jun 2019 16:17

Tgt Ion: 114 Resp: 357423
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 46.4
 88 16.9 0.0 32.2

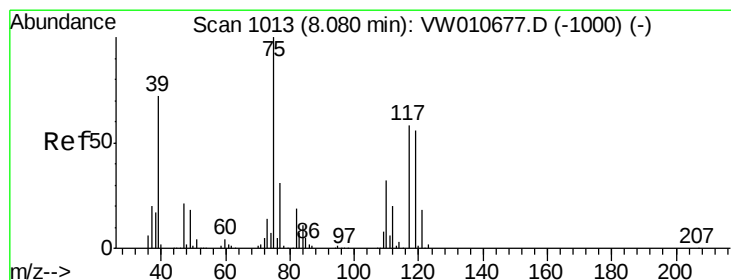
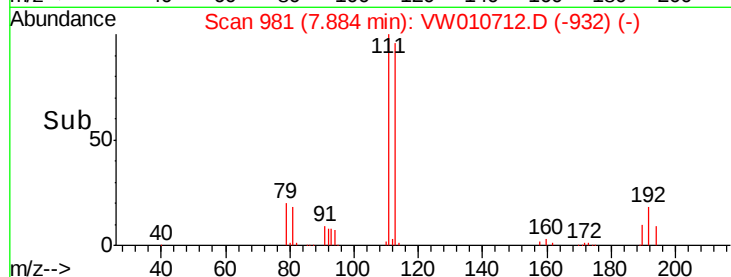
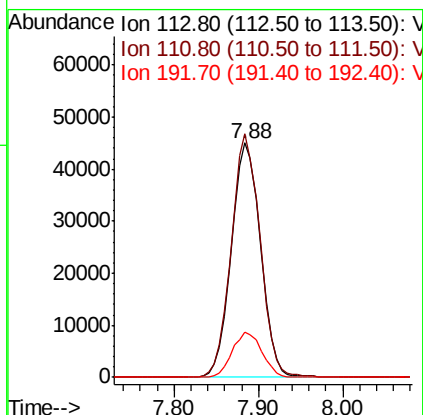
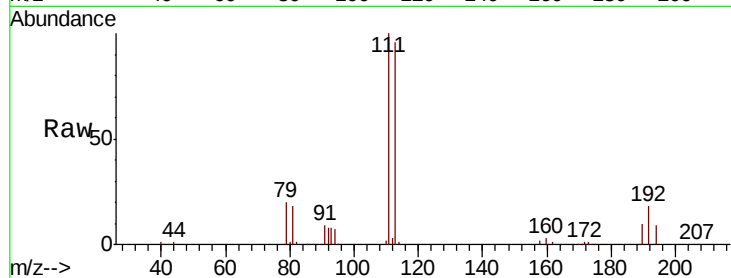




#35
 Dibromofluoromethane
 Concen: 54.296 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010712.D
 Acq: 06 Jun 2019 16:17

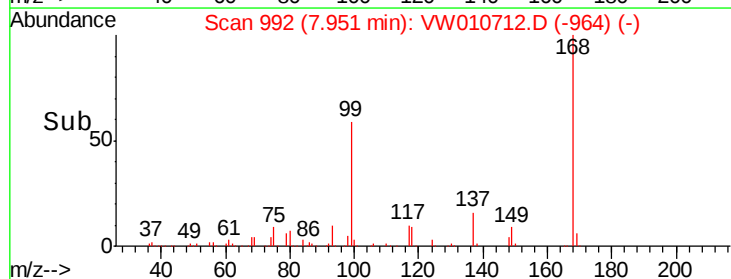
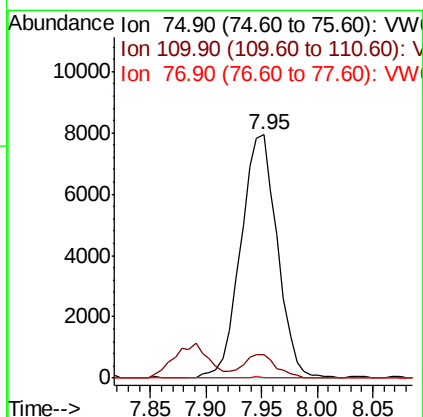
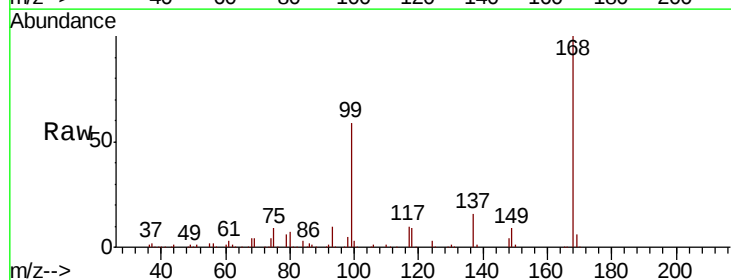
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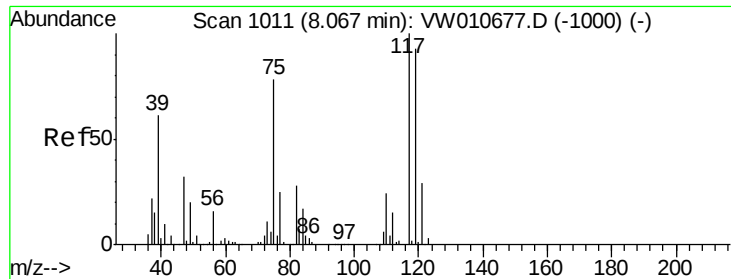
Tot Ion:113 Resp: 105336
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 19.5 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010712.D
 Acq: 06 Jun 2019 16:17

Tgt Ion: 75 Resp: 18097
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.8 47.3#
 77 0.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.538 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

DRILLING-MUD

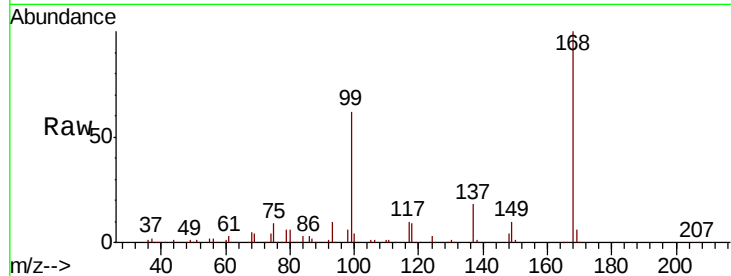
Tot Ion:117 Resp: 20649

Ion Ratio Lower Upper

117 100

119 4.7 74.2 111.4#

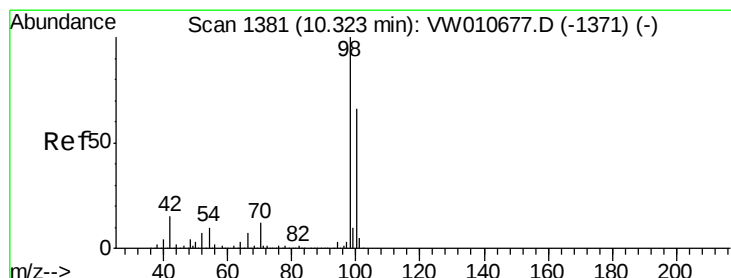
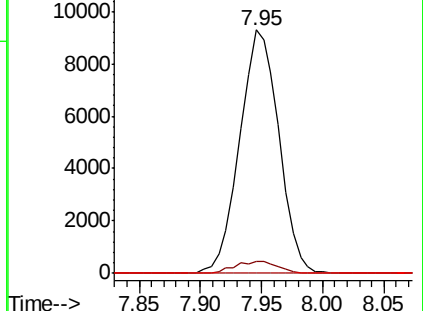
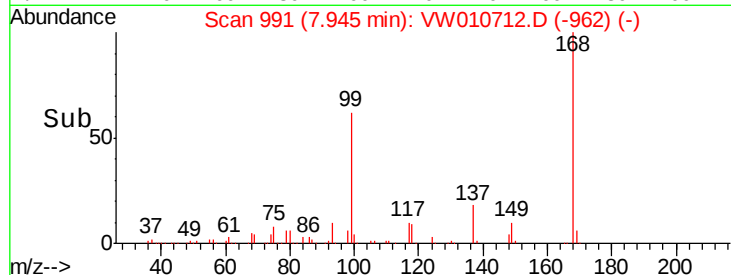
121 0.0 22.9 34.3#



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



#50

Toluene-d8

Concen: 55.449 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010712.D

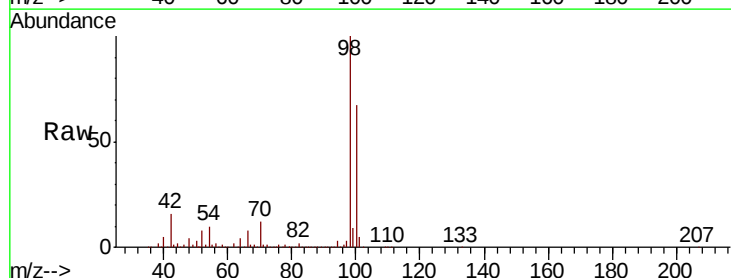
Acq: 06 Jun 2019 16:17

Tgt Ion: 98 Resp: 471714

Ion Ratio Lower Upper

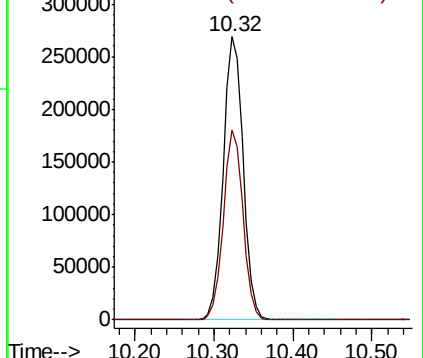
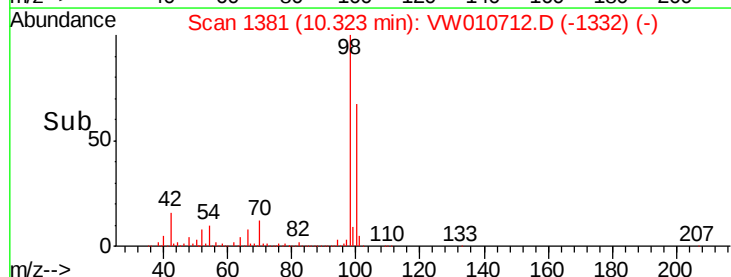
98 100

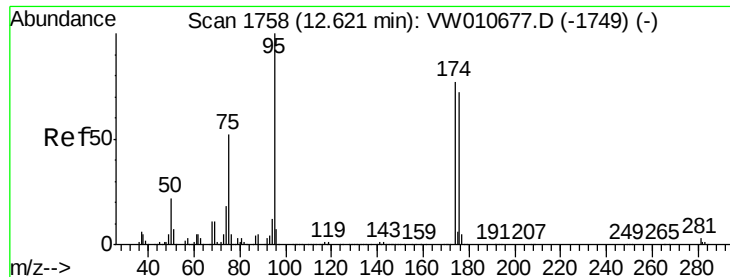
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

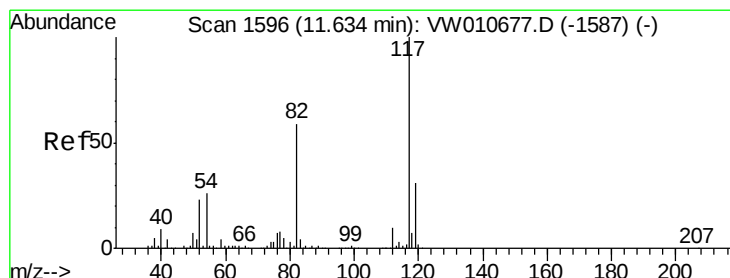
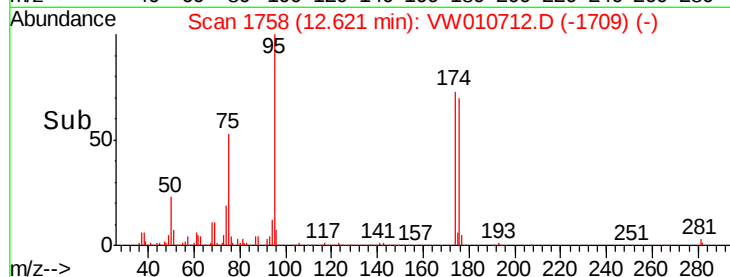
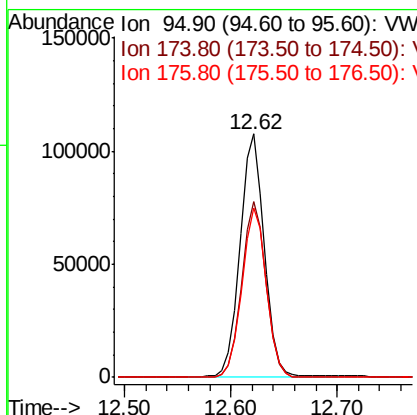
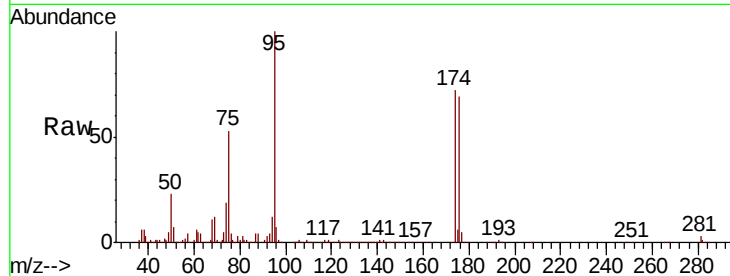




#62
4-Bromofluorobenzene
Concen: 55.285 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010712.D
Acq: 06 Jun 2019 16:17

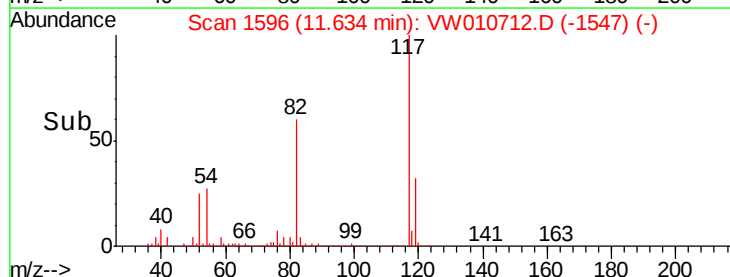
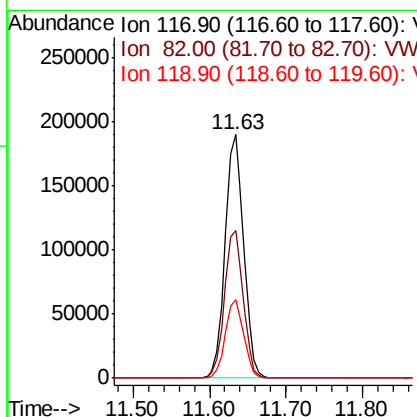
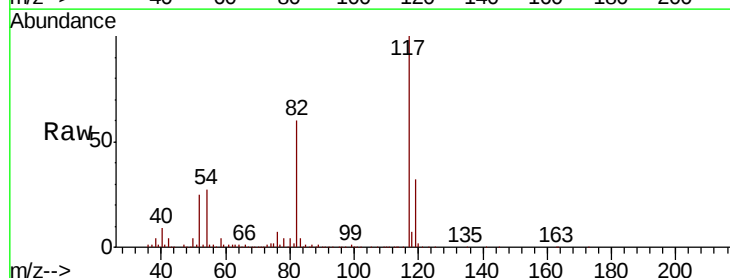
Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

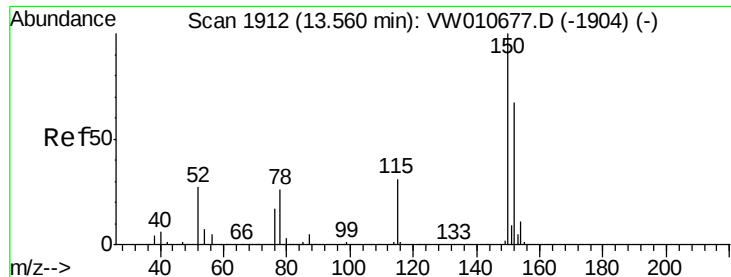
Tot Ion: 95 Resp: 171143
Ion Ratio Lower Upper
95 100
174 72.3 0.0 150.4
176 70.2 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010712.D
Acq: 06 Jun 2019 16:17

Tgt Ion: 117 Resp: 317560
Ion Ratio Lower Upper
117 100
82 60.3 47.0 70.4
119 32.4 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

DRILLING-MUD

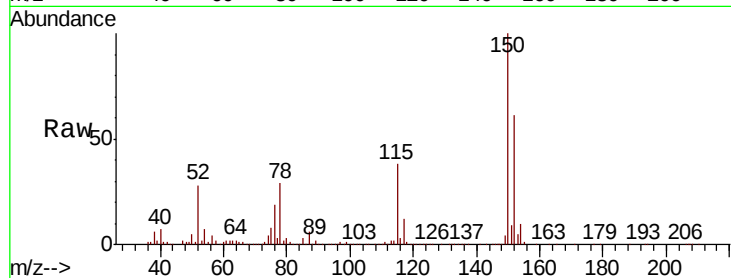
Tot Ion:152 Resp: 145662

Ion Ratio Lower Upper

152 100

115 62.2 29.8 89.3

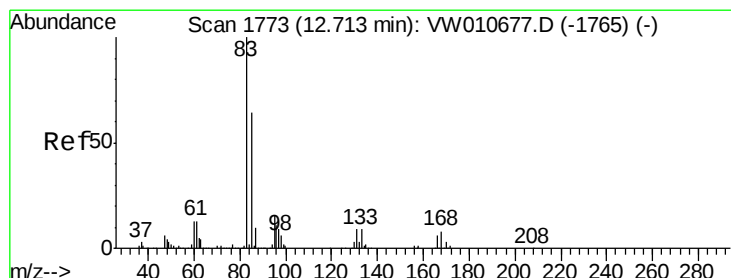
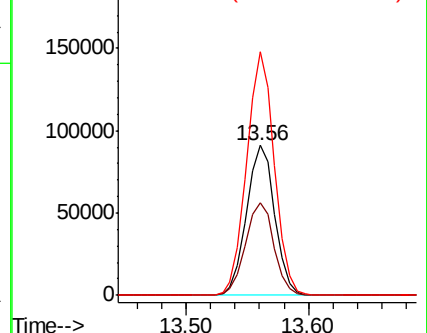
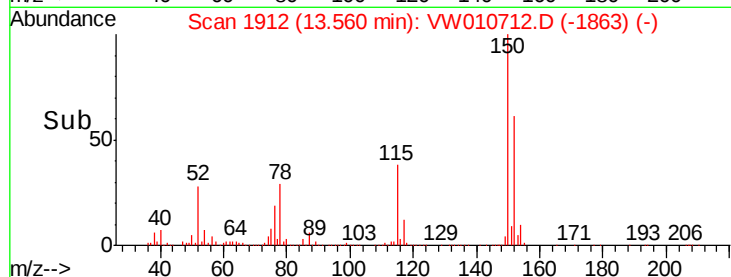
150 159.4 0.0 345.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.216 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.09 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

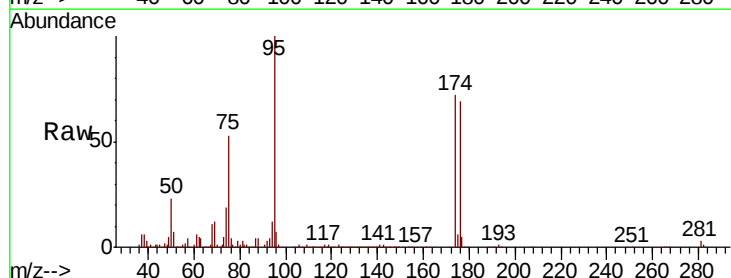
Tgt Ion: 83 Resp: 2534

Ion Ratio Lower Upper

83 100

131 20.4 4.9 14.7#

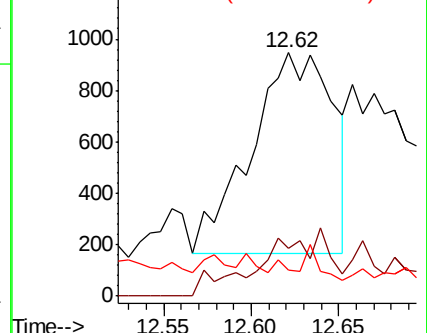
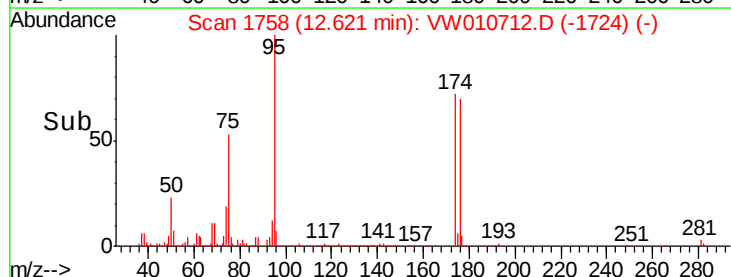
85 3.0 31.9 95.9#

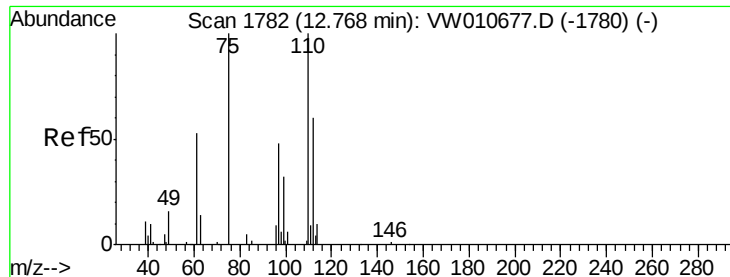


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 60.207 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

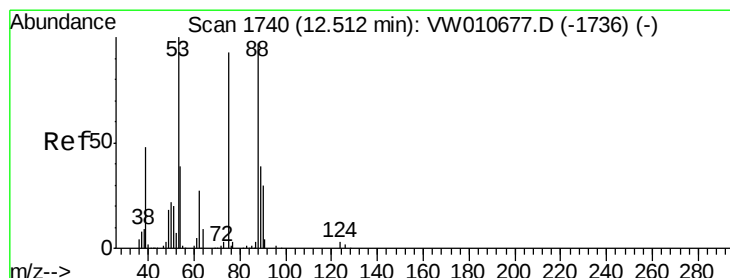
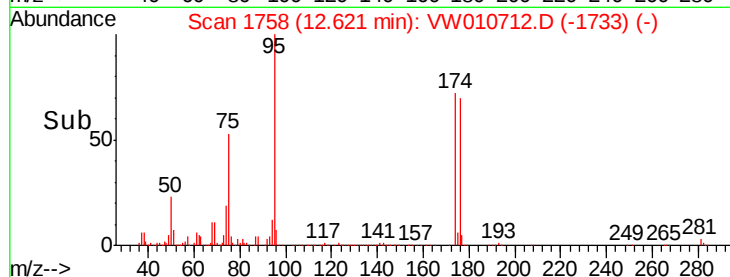
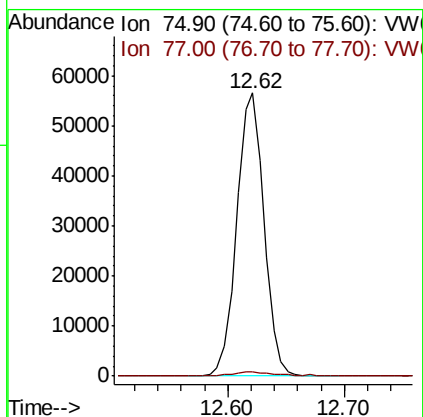
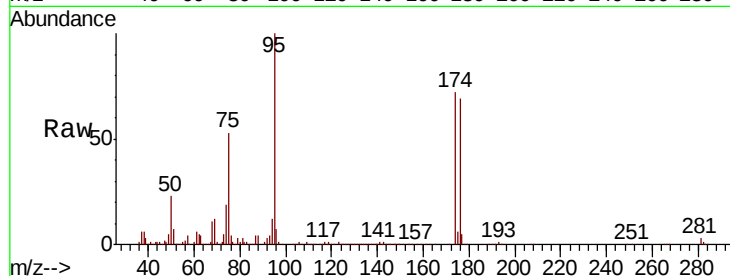
DRILLING-MUD

Tot Ion: 75 Resp: 92095

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.375 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

Tgt Ion: 75 Resp: 92095

Ion Ratio Lower Upper

75 100

53 0.6 90.1 135.1#

89 0.0 34.6 52.0#

