

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011675.D
 Acq On : 03 Aug 2019 19:13
 Operator : SY/VA
 Sample : K4152-17
 Misc : 5.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E1-(30)

Quant Time: Aug 04 01:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115407	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	141621	58.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.38%	
35) Dibromofluoromethane	7.88	113	110665	55.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.18%	
50) Toluene-d8	10.32	98	437412	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.62	95	137167	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	

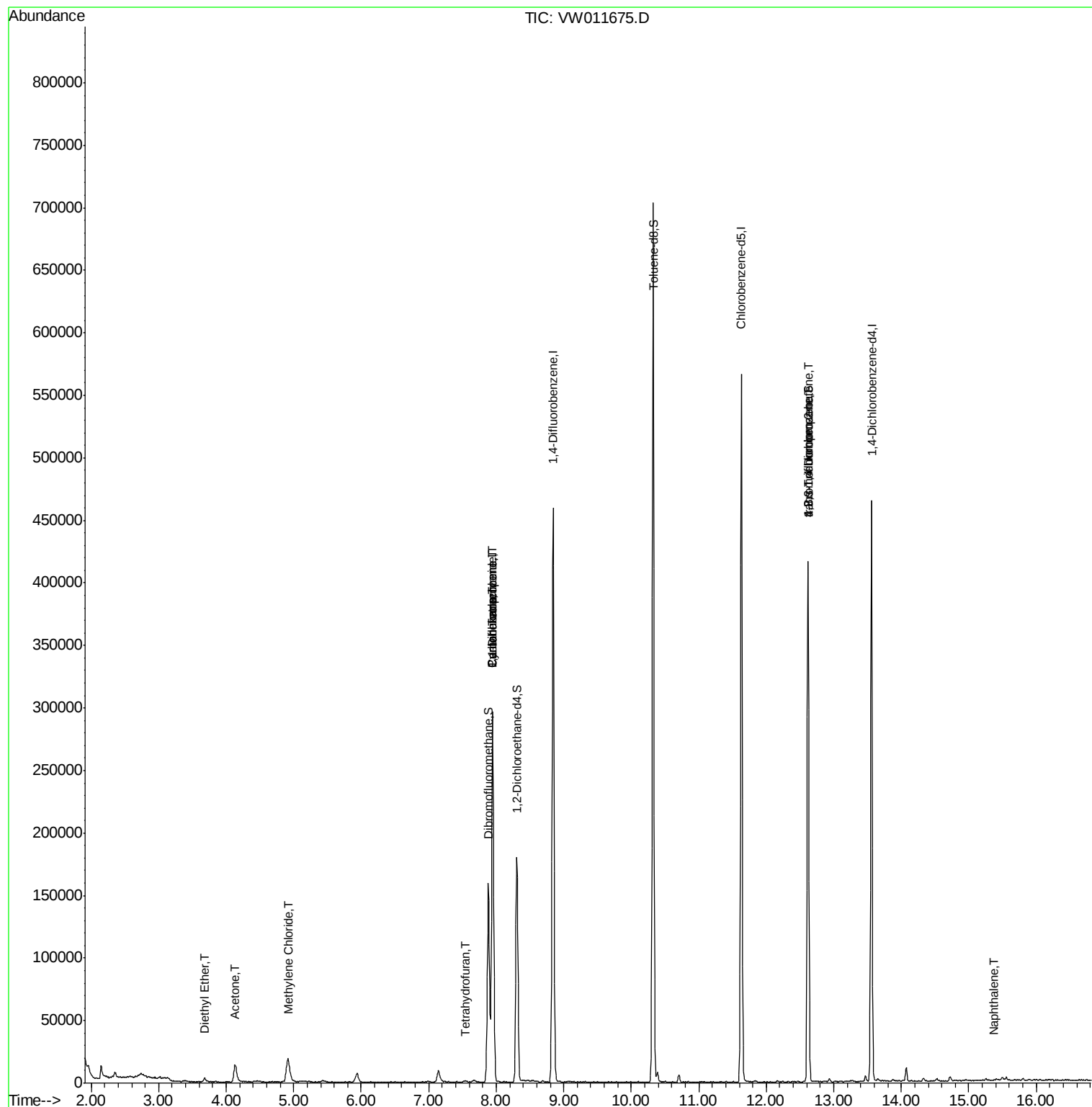
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1353	1.092	ug/l	83
11) Tert butyl alcohol	5.18	59	367	Below Cal	#	93
16) Acetone	4.13	43	27669	36.047	ug/l	99
20) Methylene Chloride	4.92	84	14437	5.454	ug/l	94
29) Tetrahydrofuran	7.54	42	744	1.296	ug/l #	59
31) Cyclohexane	7.95	56	5292	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18753	5.082	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21606	6.840	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	73155	59.907	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73155	138.065	ug/l #	6
95) Naphthalene	15.37	128	309	2.131	ug/l #	79

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

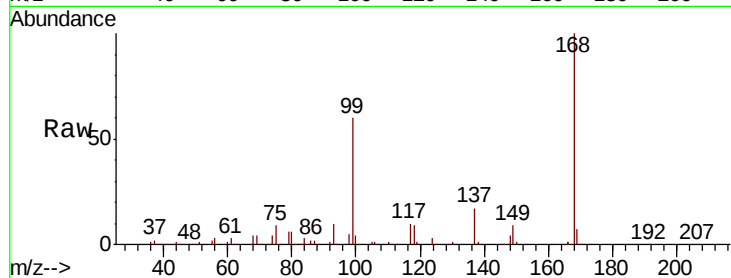
2S-E1-(30)

Tgt Ion:168 Resp: 210146

Ion Ratio Lower Upper

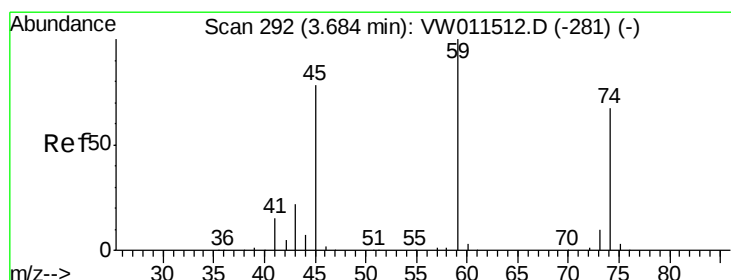
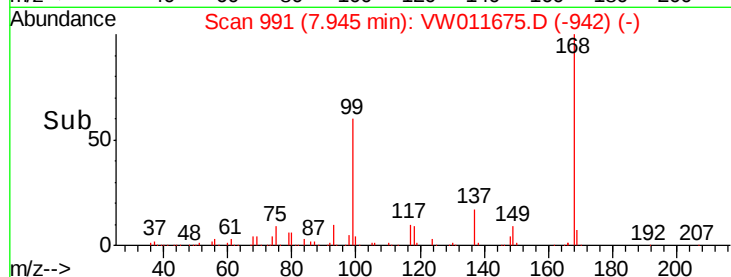
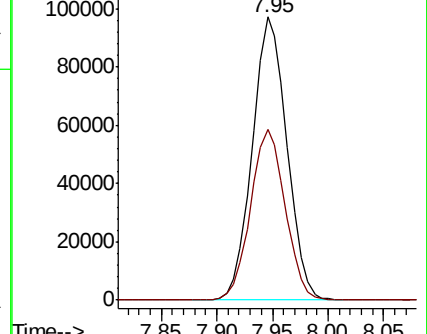
168 100

99 60.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.092 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW011675.D

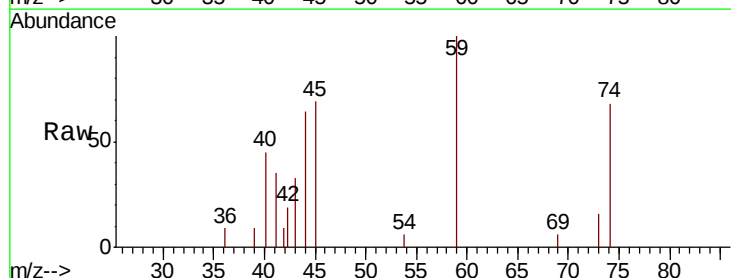
Acq: 03 Aug 2019 19:13

Tgt Ion: 74 Resp: 1353

Ion Ratio Lower Upper

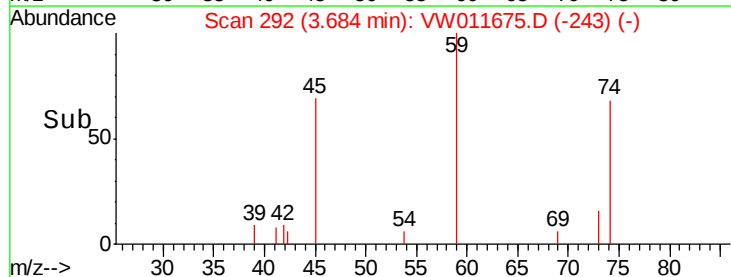
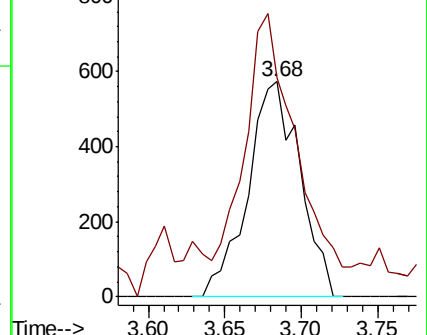
74 100

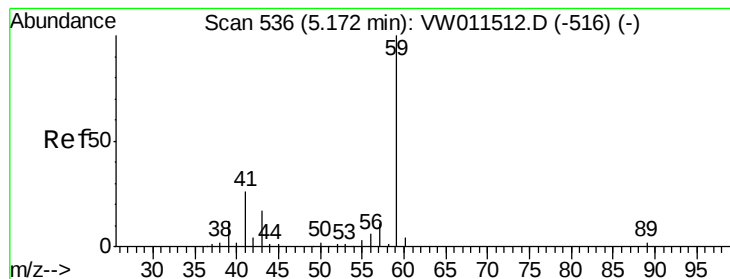
45 137.5 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

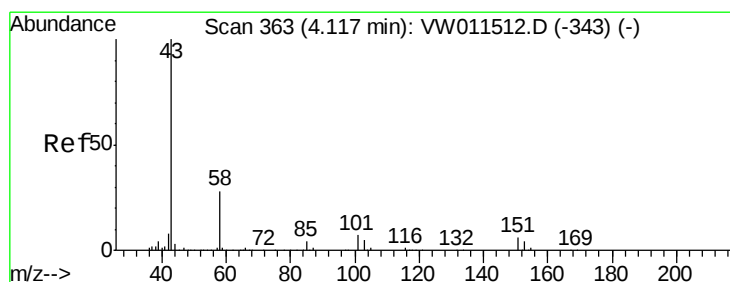
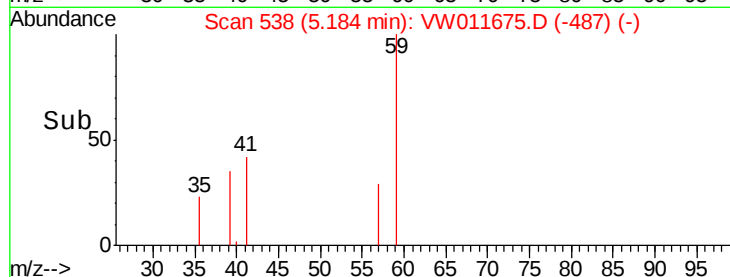
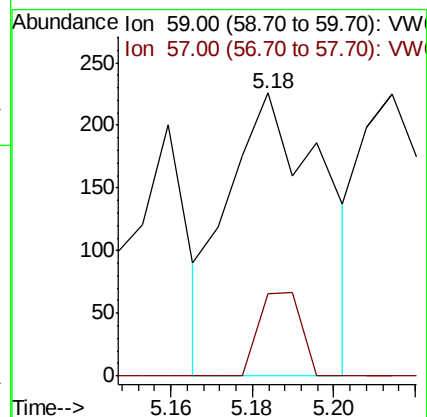
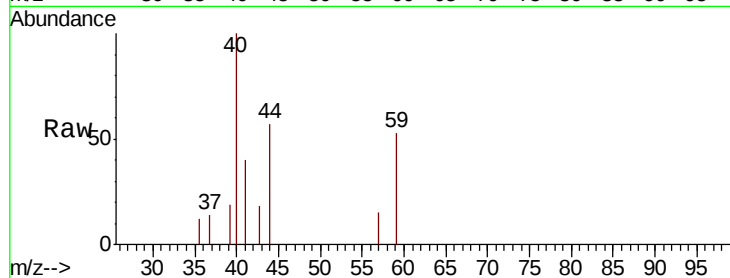
2S-E1-(30)

Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 13.4 8.5 12.7#



#16

Acetone

Concen: 36.047 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011675.D

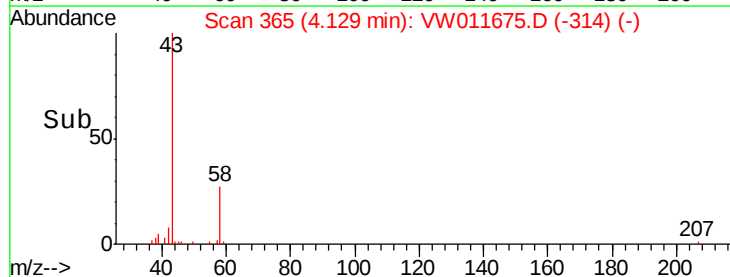
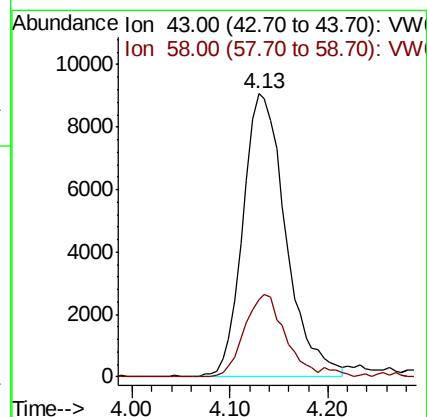
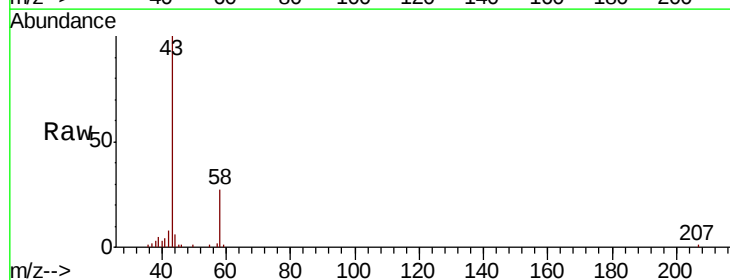
Acq: 03 Aug 2019 19:13

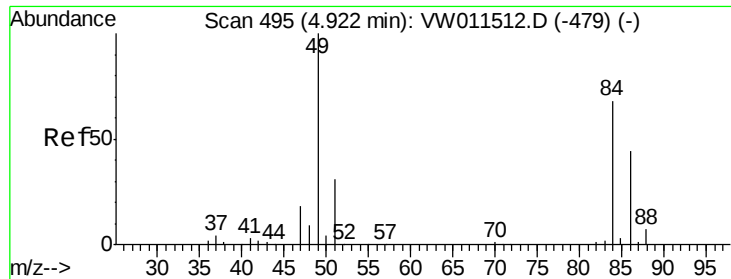
Tgt Ion: 43 Resp: 27669

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5

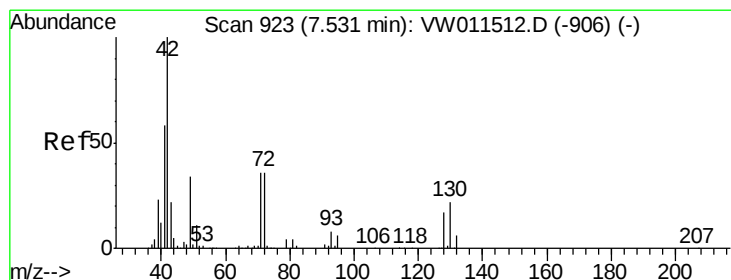
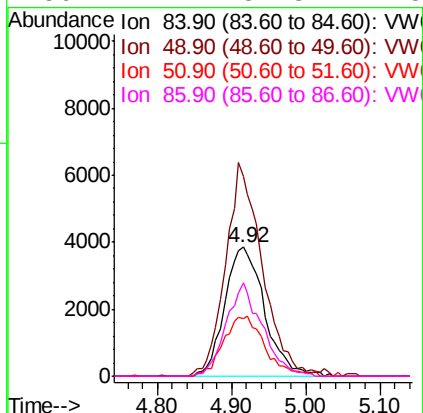
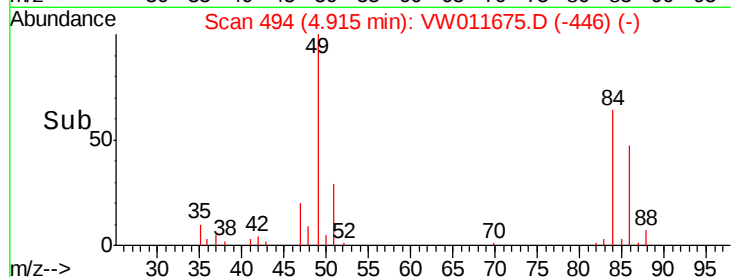
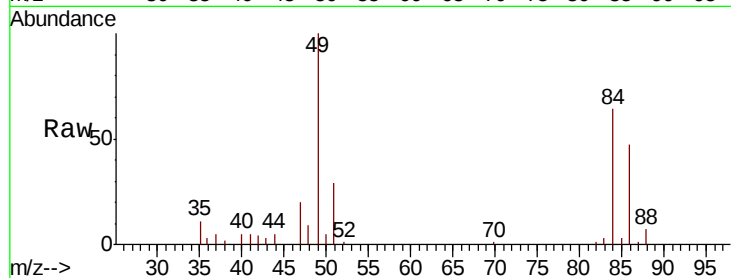




#20
Methylene Chloride
Concen: 5.454 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011675.D
Acq: 03 Aug 2019 19:13

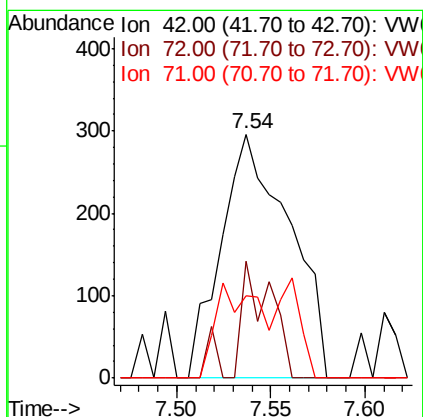
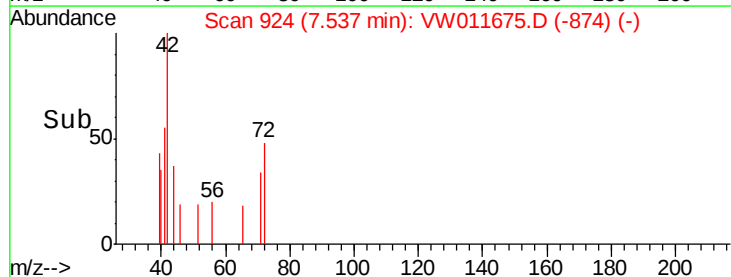
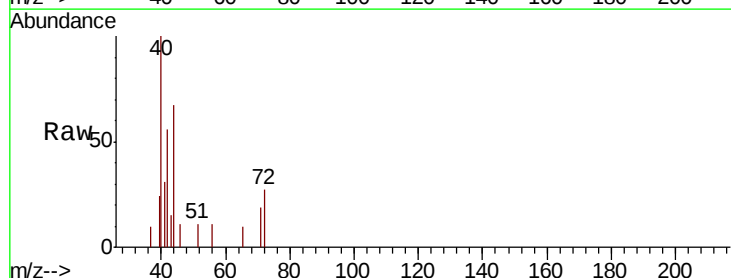
Instrument :
MSVOA_W
ClientSampleId :
2S-E1-(30)

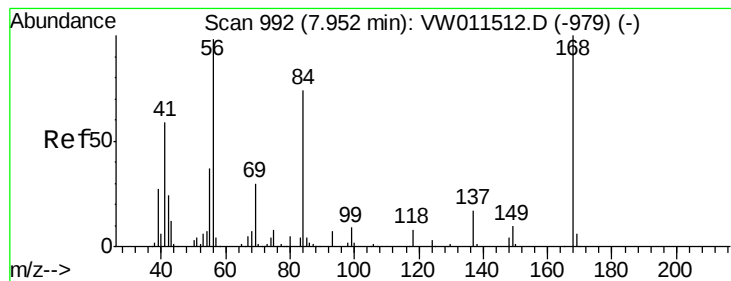
Tgt Ion:	84	Resp:	14437
Ion	Ratio	Lower	Upper
84	100		
49	155.1	117.8	176.6
51	45.0	37.0	55.4
86	72.2	51.8	77.8



#29
Tetrahydrofuran
Concen: 1.296 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011675.D
Acq: 03 Aug 2019 19:13

Tgt Ion:	42	Resp:	744
Ion	Ratio	Lower	Upper
42	100		
72	19.9	27.1	40.7#
71	0.0	26.2	39.4#





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

Instrument :
MSVOA_W
ClientSampled :
2S-E1-(30)

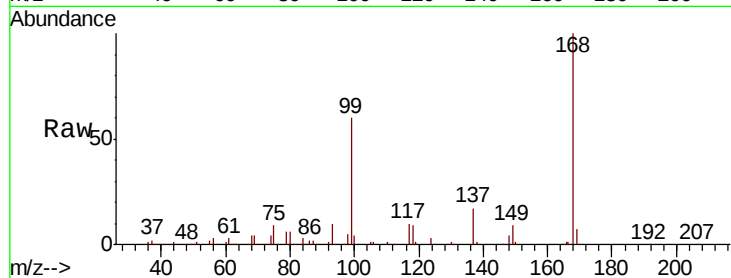
Tgt Ion: 56 Resp: 5292

Ion Ratio Lower Upper

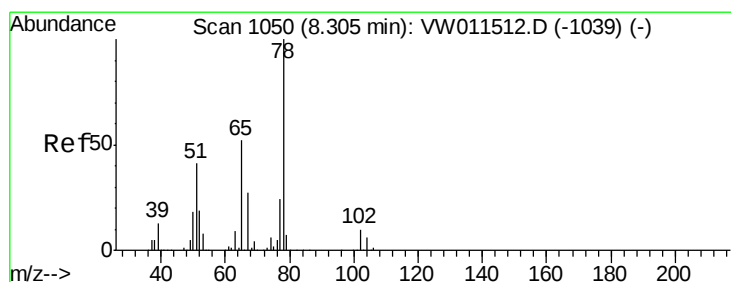
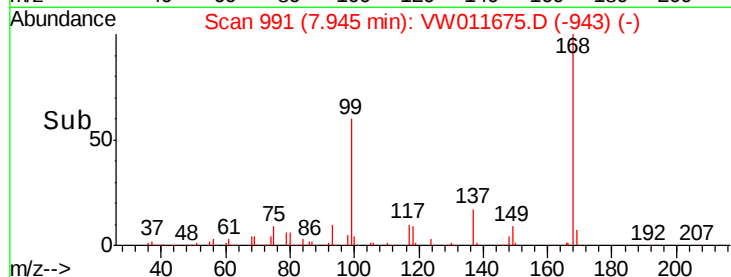
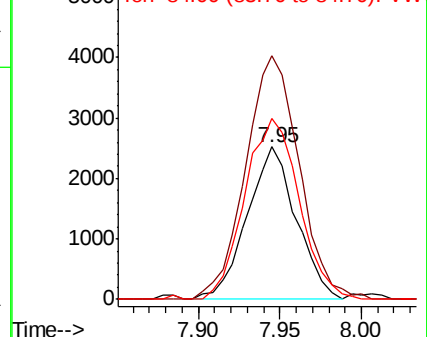
56 100

69 159.9 24.3 36.5#

84 118.9 60.4 90.6#



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: 58.689 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011675.D

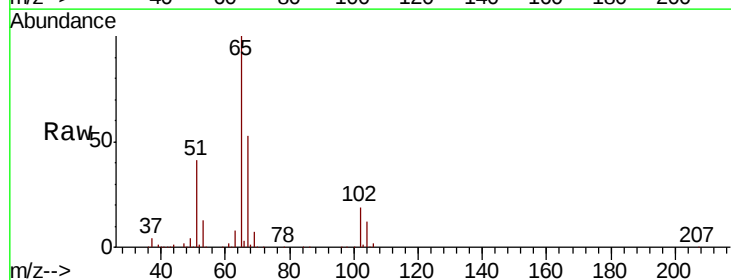
Acq: 03 Aug 2019 19:13

Tgt Ion: 65 Resp: 141621

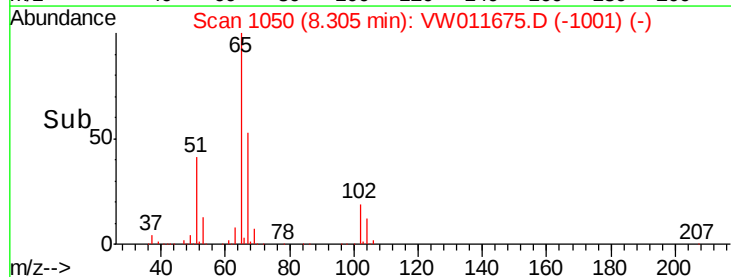
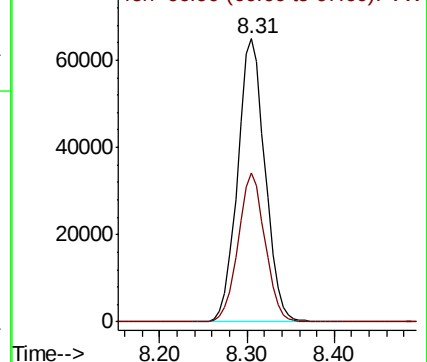
Ion Ratio Lower Upper

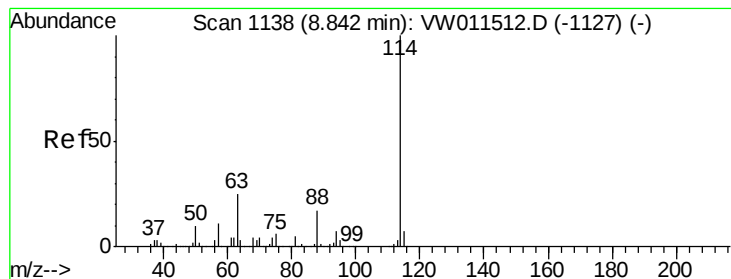
65 100

67 51.7 0.0 105.2



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: VW011675.D

Acq: 03 Aug 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

2S-E1-(30)

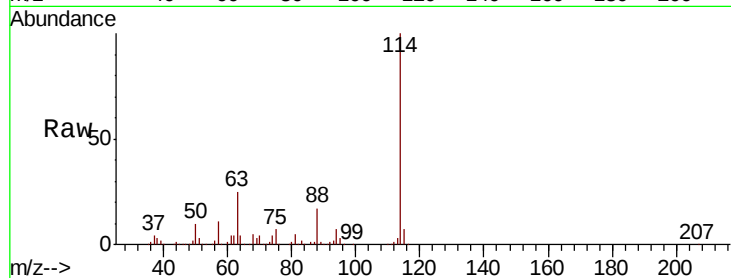
Tgt Ion:114 Resp: 354875

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

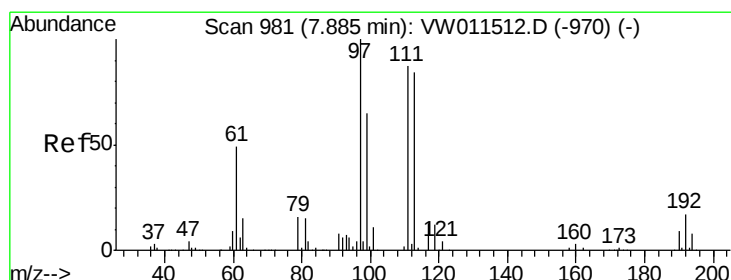
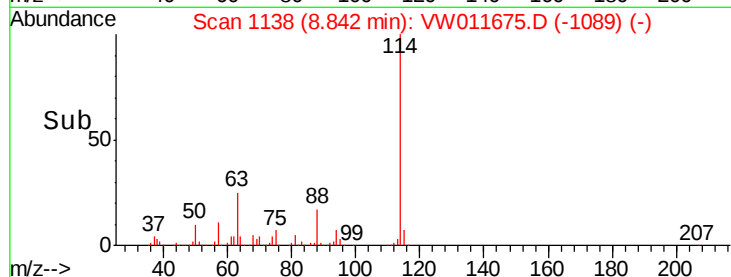
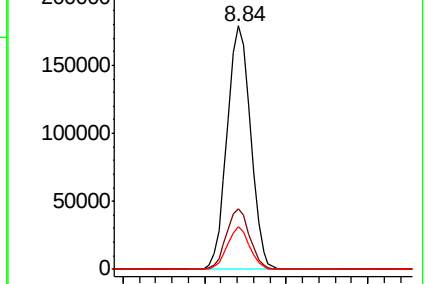
88 17.4 0.0 33.8



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: 55.585 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

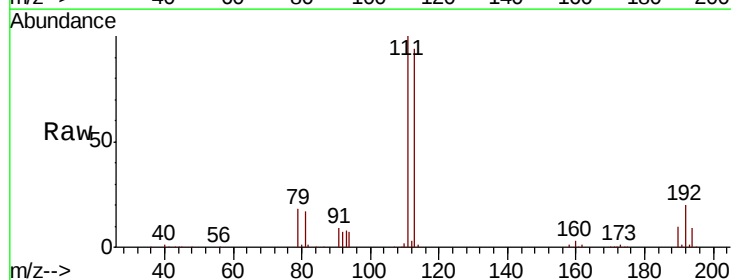
Tgt Ion:113 Resp: 110665

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

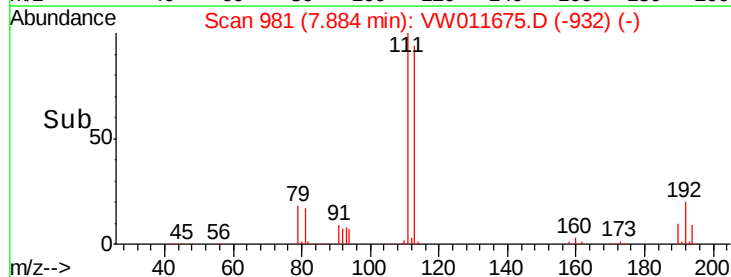
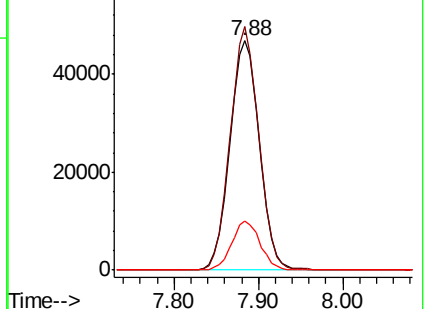
192 20.4 16.1 24.1

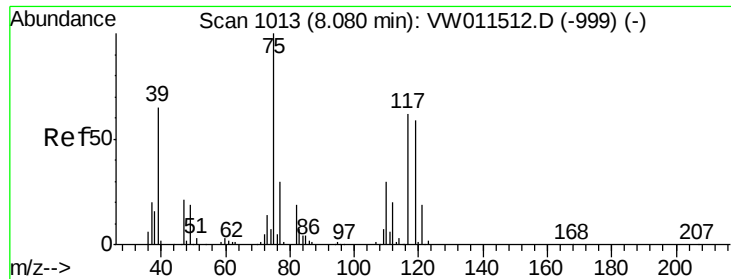


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

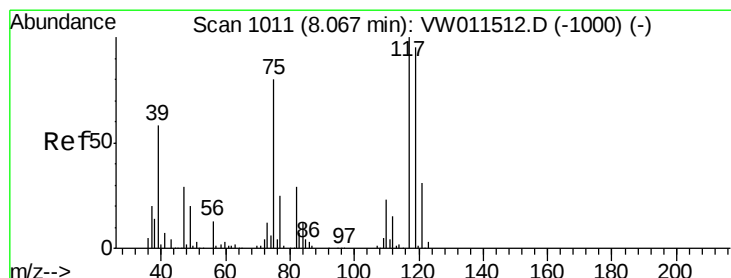
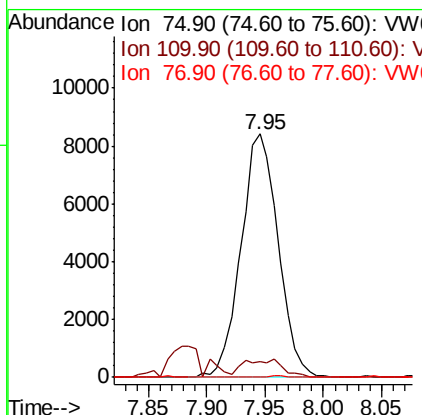
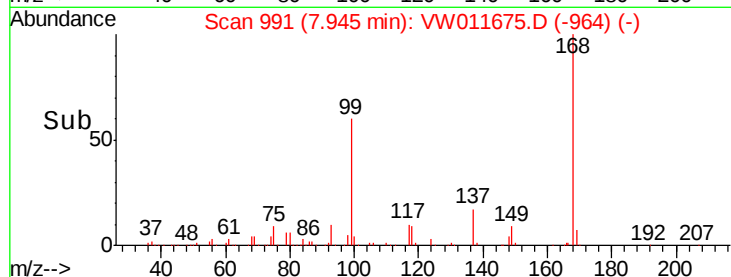
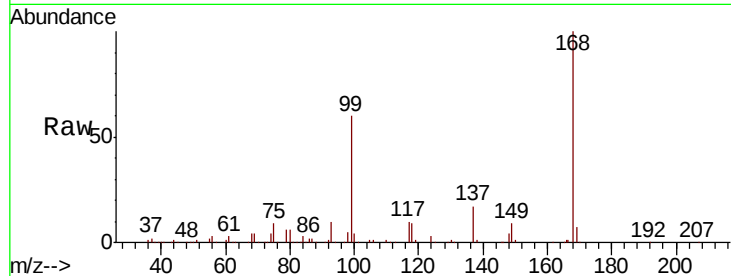




#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011675.D
 Acq: 03 Aug 2019 19:13

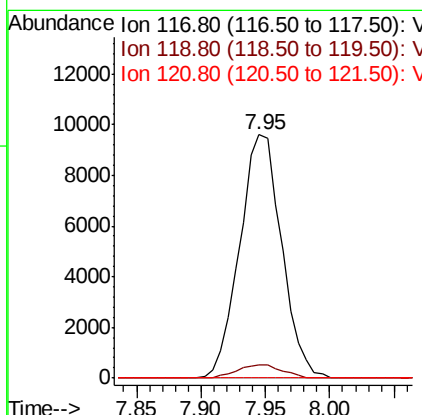
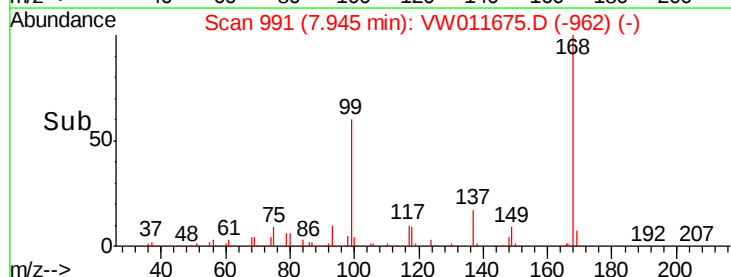
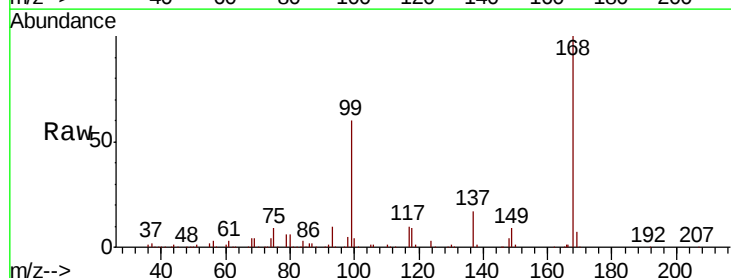
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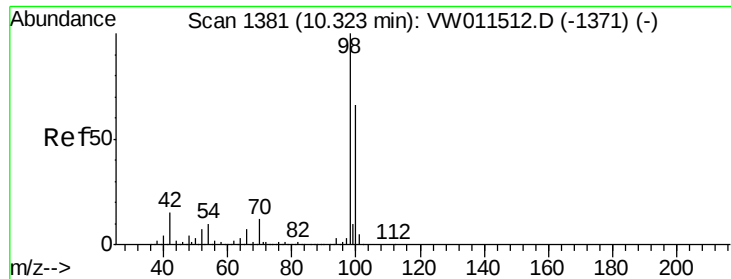
Tgt Ion: 75 Resp: 18753
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.6 46.8#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.840 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011675.D
 Acq: 03 Aug 2019 19:13

Tgt Ion: 117 Resp: 21606
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.8 113.6#
 121 0.0 24.7 37.1#

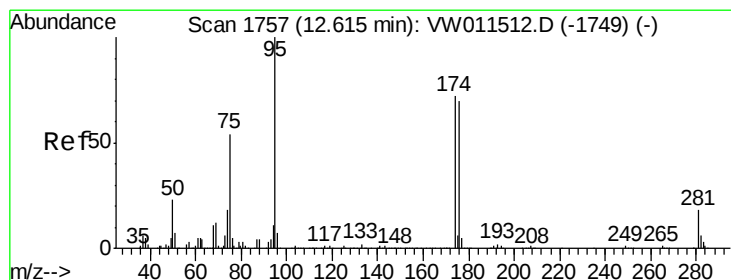
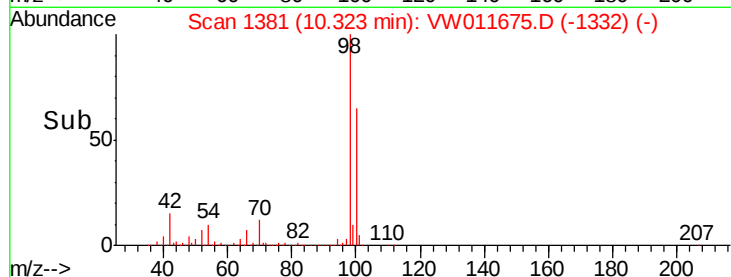
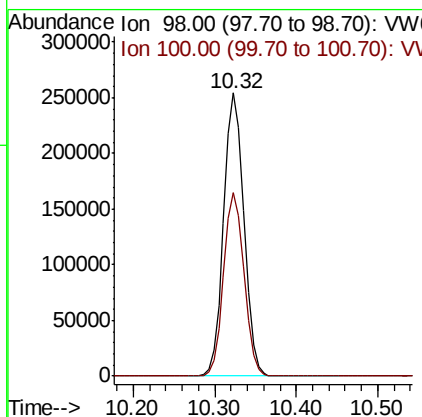
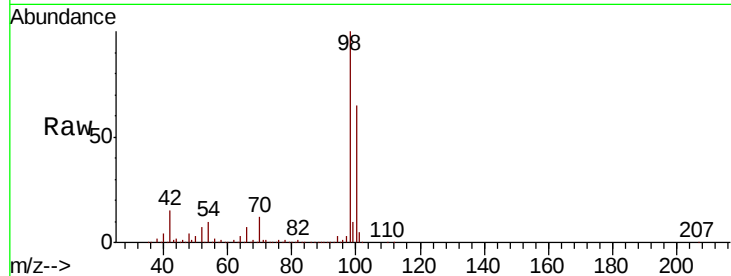




#50
Toluene-d8
Concen: 53.661 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011675.D
Acq: 03 Aug 2019 19:13

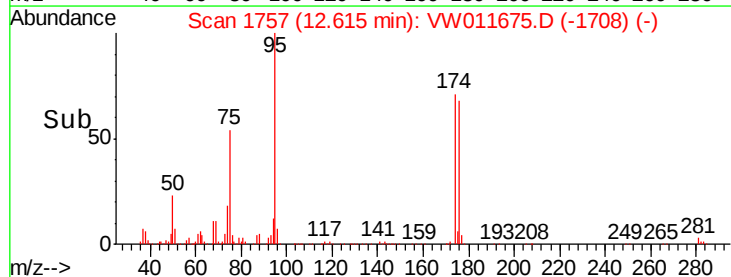
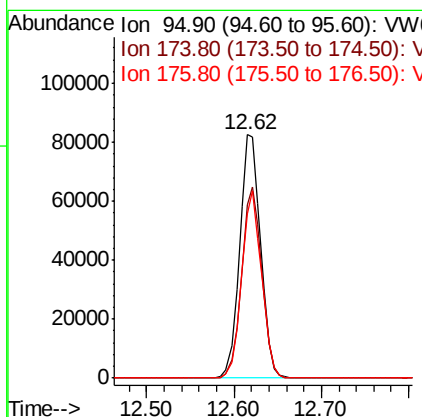
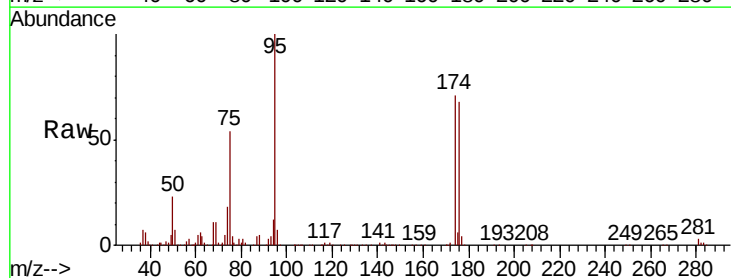
Instrument :
MSVOA_W
ClientSampleId :
2S-E1-(30)

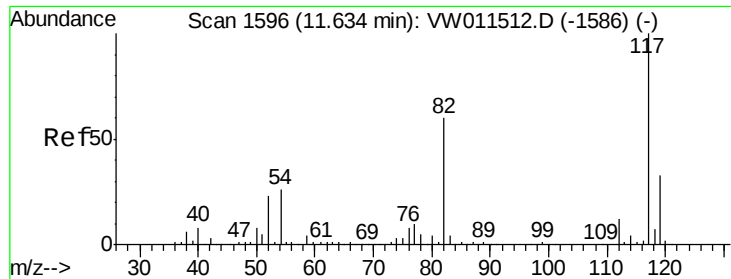
Tgt Ion: 98 Resp: 437412
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.199 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011675.D
Acq: 03 Aug 2019 19:13

Tgt Ion: 95 Resp: 137167
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.2
176 73.1 0.0 144.4

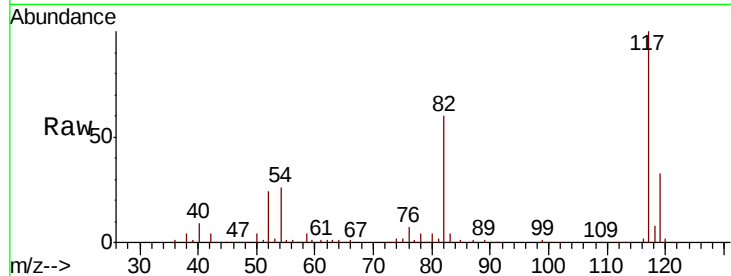




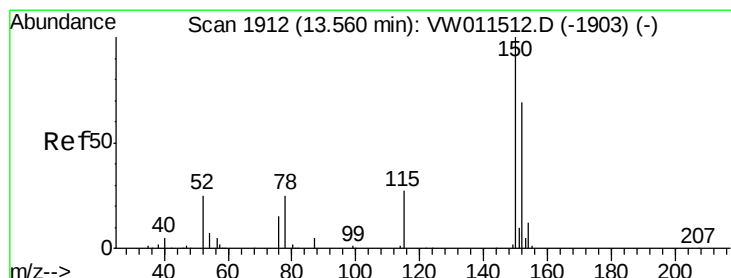
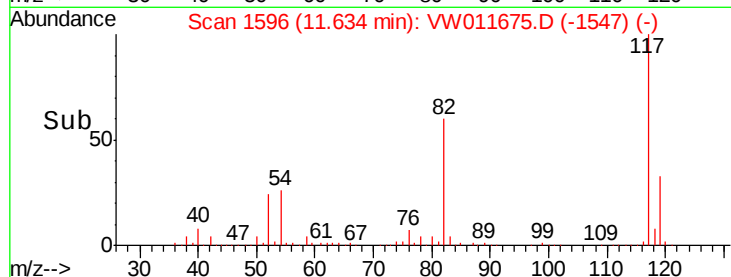
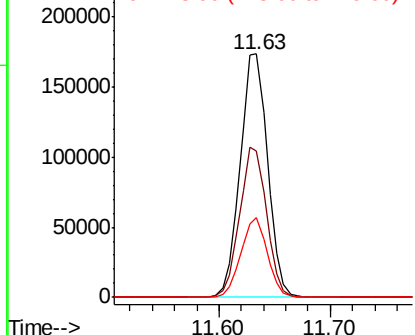
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011675.D
Acq: 03 Aug 2019 19:13

Instrument :
MSVOA_W
ClientSampleId :
2S-E1-(30)

Tgt Ion:117 Resp: 297104
Ion Ratio Lower Upper
117 100
82 60.1 47.9 71.9
119 32.6 26.2 39.2

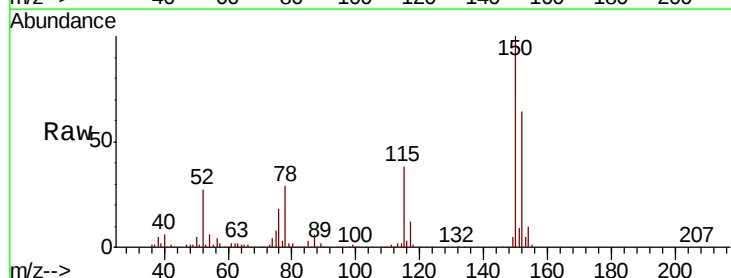


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

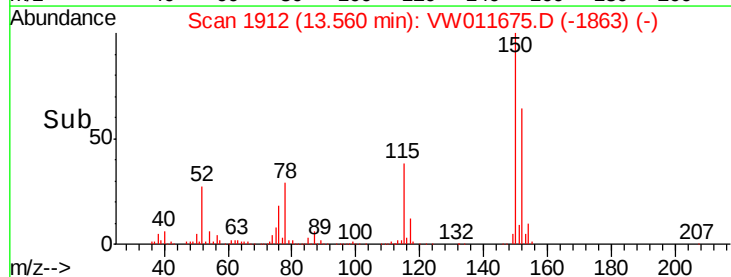
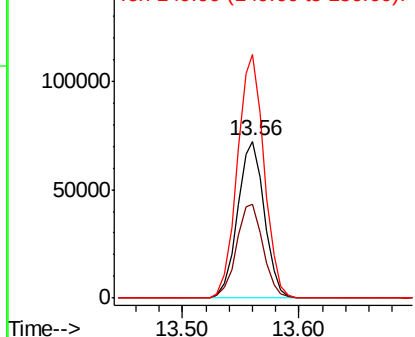


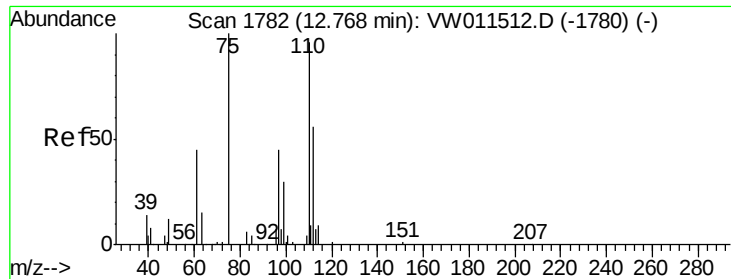
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011675.D
Acq: 03 Aug 2019 19:13

Tgt Ion:152 Resp: 115407
Ion Ratio Lower Upper
152 100
115 60.1 30.5 91.5
150 155.2 0.0 352.6



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: 59.907 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

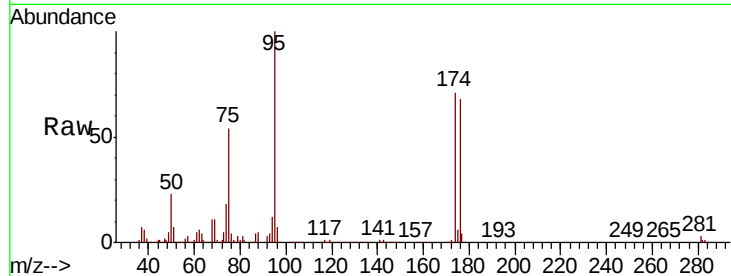
2S-E1-(30)

Tgt Ion: 75 Resp: 73155

Ion Ratio Lower Upper

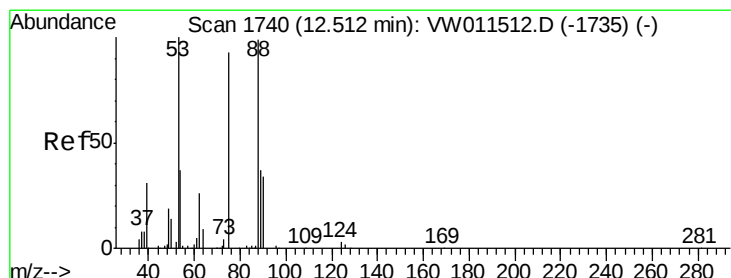
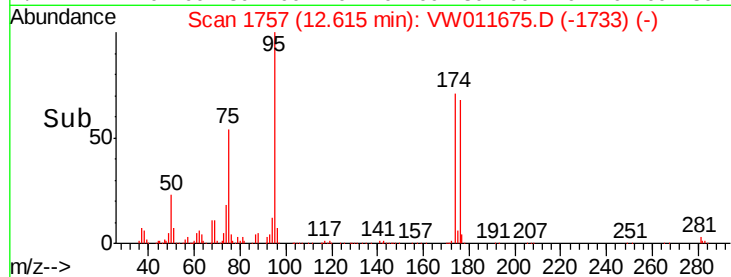
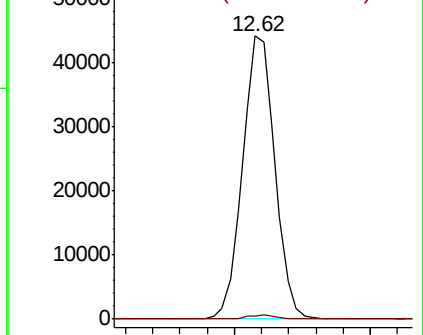
75 100

77 1.5 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: 138.065 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

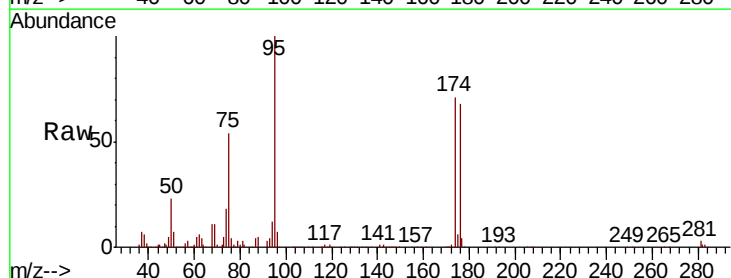
Tgt Ion: 75 Resp: 73155

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

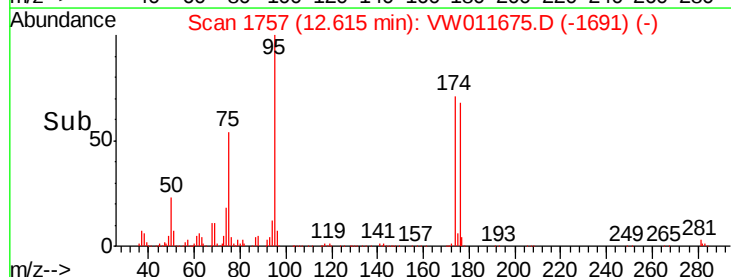
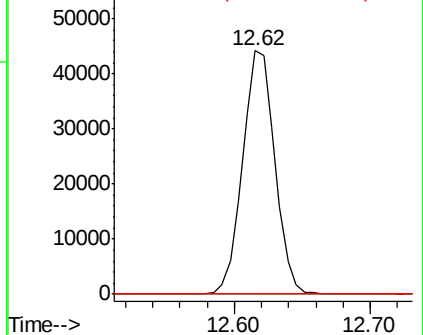
89 0.0 35.3 52.9#

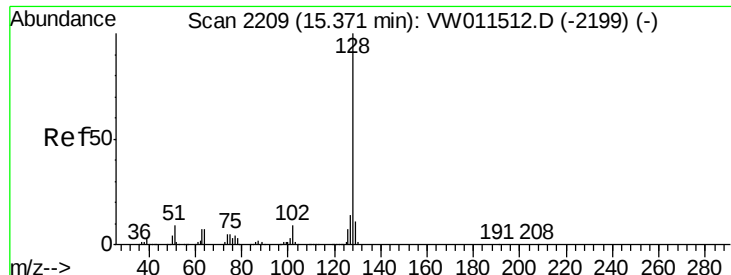


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.131 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011675.D

Acq: 03 Aug 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

2S-E1-(30)

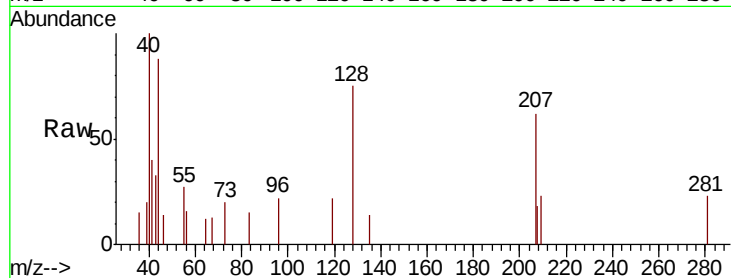
Tgt Ion:128 Resp: 309

Ion Ratio Lower Upper

128 100

127 7.4 10.6 16.0#

129 0.0 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

