

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011716.D
 Acq On : 05 Aug 2019 18:15
 Operator : SY/VA
 Sample : K4136-09RE
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-C3-(30)

Quant Time: Aug 06 08:04:57 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	213510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106884	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.30	65	134484	54.85	ug/l	0.00
Spiked Amount	50.000			Recovery	=	109.70%	
35) Dibromofluoromethane		7.88	113	106342	53.82	ug/l	0.00
Spiked Amount	50.000			Recovery	=	107.64%	
50) Toluene-d8		10.32	98	429700	53.12	ug/l	0.00
Spiked Amount	50.000			Recovery	=	106.24%	
62) 4-Bromofluorobenzene		12.62	95	130745	45.34	ug/l	0.00
Spiked Amount	50.000			Recovery	=	90.68%	

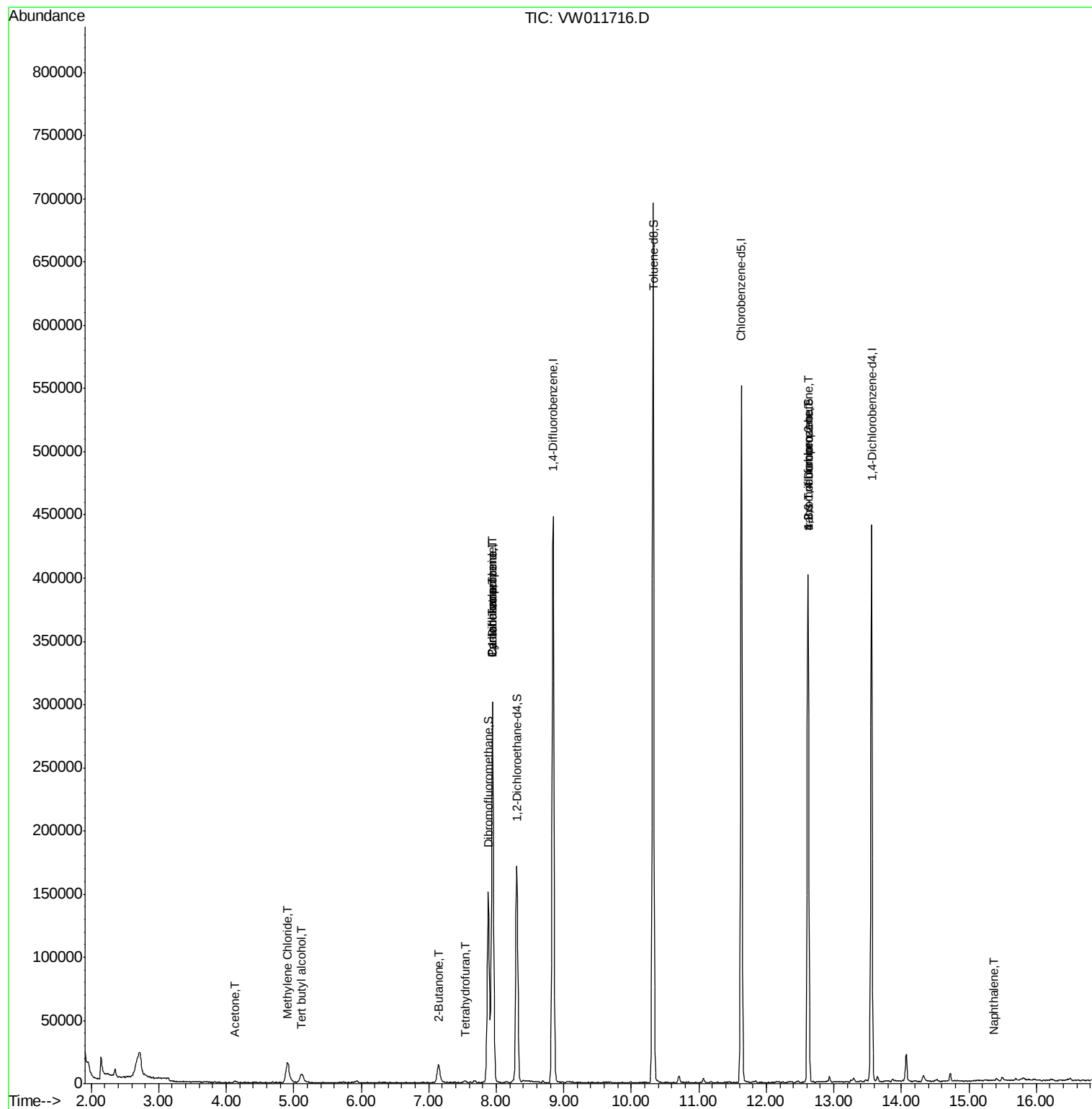
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	7617	26.131	ug/l #	74
16) Acetone	4.13	43	1680	2.154	ug/l	97
20) Methylene Chloride	4.92	84	11636	4.326	ug/l	89
25) 2-Butanone	7.16	43	1340	1.313	ug/l #	56
29) Tetrahydrofuran	7.54	42	1390	2.383	ug/l #	88
31) Cyclohexane	7.94	56	5345	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18790	5.131	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21352	6.811	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	70101	61.984	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70101	142.851	ug/l #	6
95) Naphthalene	15.37	128	804	2.249	ug/l #	93

(#) = 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: VW011716.D

Acq: 05 Aug 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

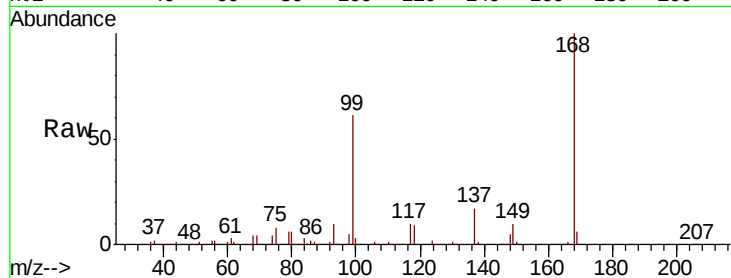
1S-C3-(30)

Tgt Ion:168 Resp: 213510

Ion Ratio Lower Upper

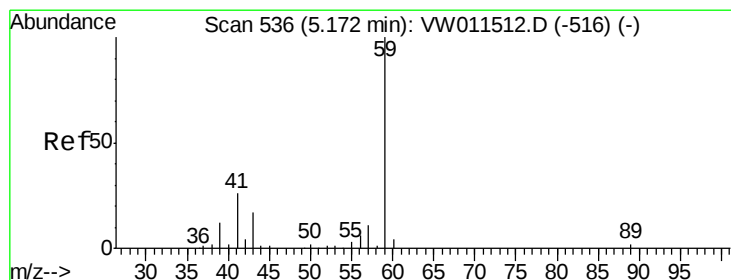
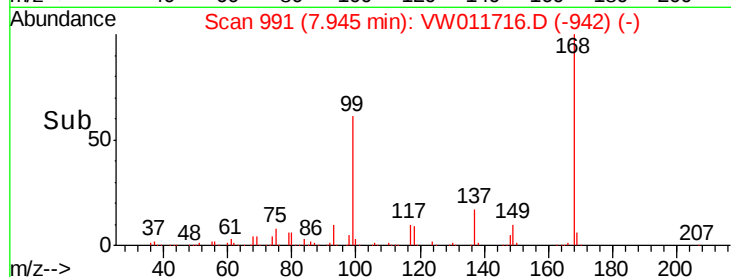
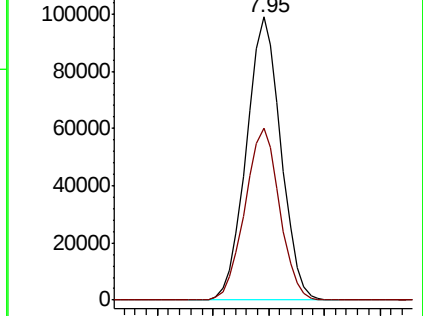
168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 26.131 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011716.D

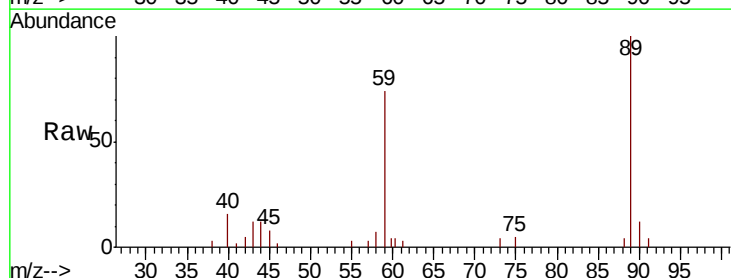
Acq: 05 Aug 2019 18:15

Tgt Ion: 59 Resp: 7617

Ion Ratio Lower Upper

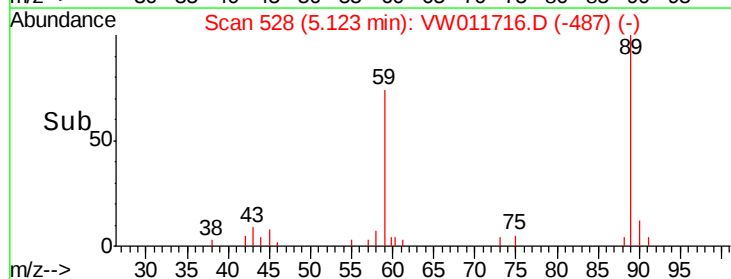
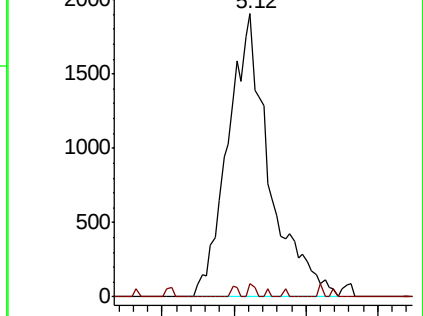
59 100

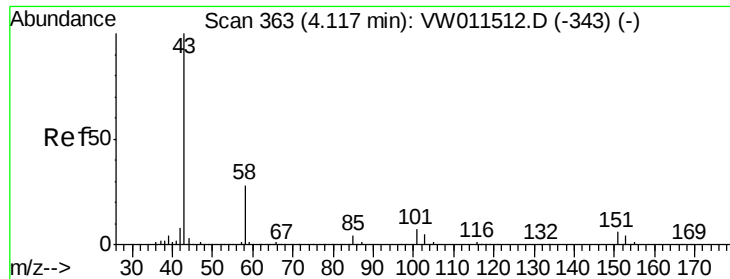
57 0.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.154 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011716.D

Acq: 05 Aug 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

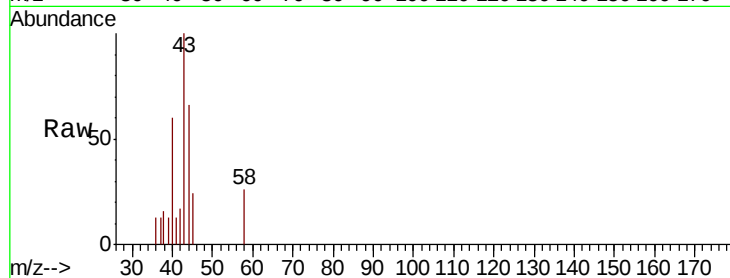
1S-C3-(30)

Tgt Ion: 43 Resp: 1680

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

600

500

400

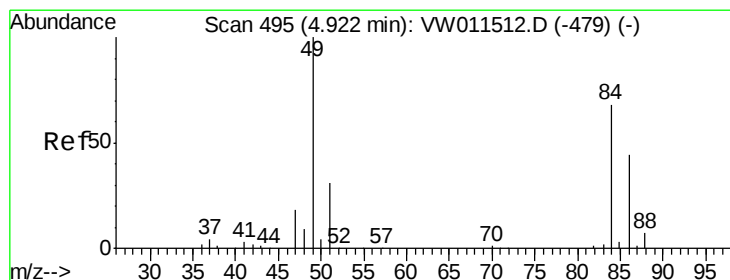
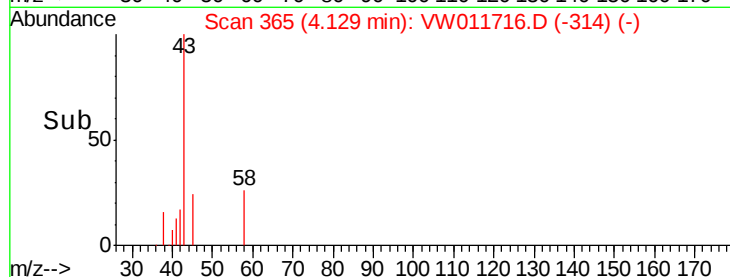
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 4.326 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011716.D

Acq: 05 Aug 2019 18:15

Tgt Ion: 84 Resp: 11636

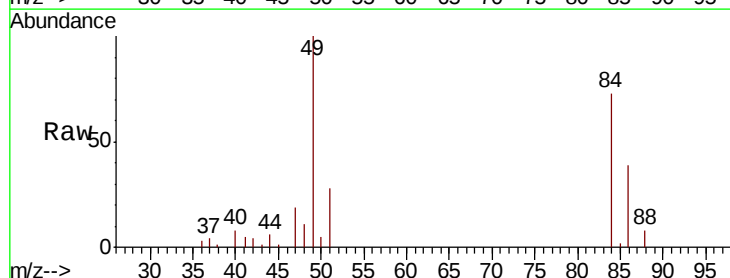
Ion Ratio Lower Upper

84 100

49 136.6 117.8 176.6

51 37.7 37.0 55.4

86 52.6 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

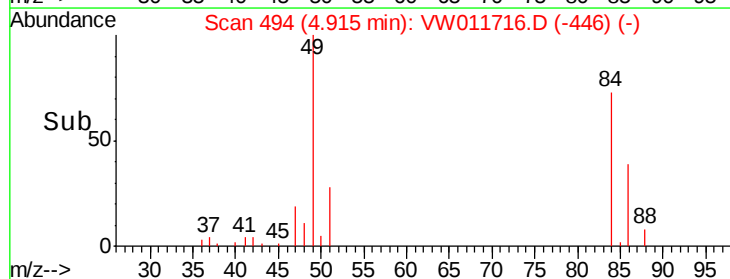
6000

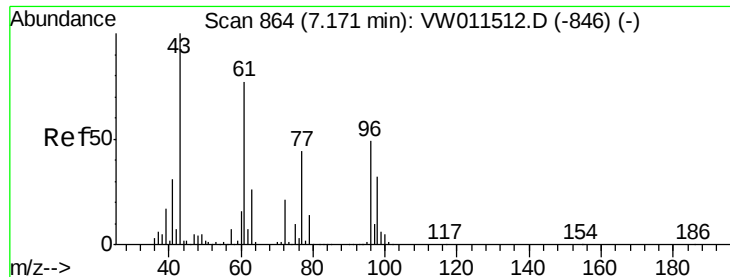
4000

2000

0

Time-->





#25

2-Butanone

Concen: 1.313 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011716.D

Acq: 05 Aug 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

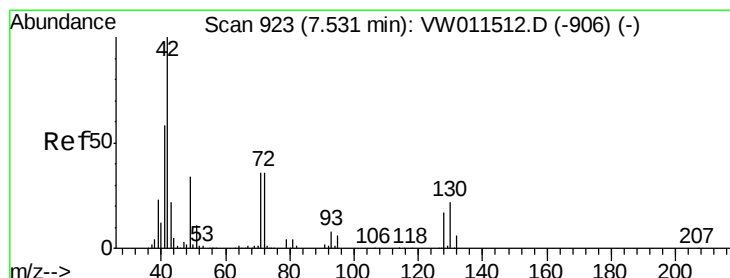
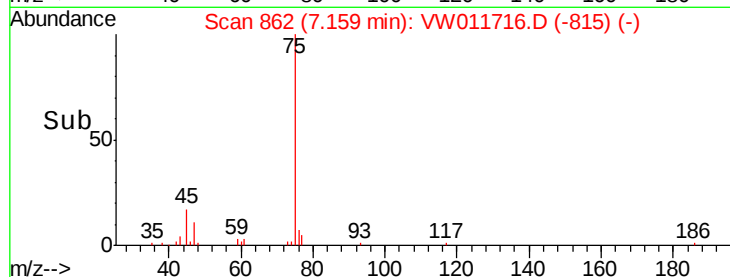
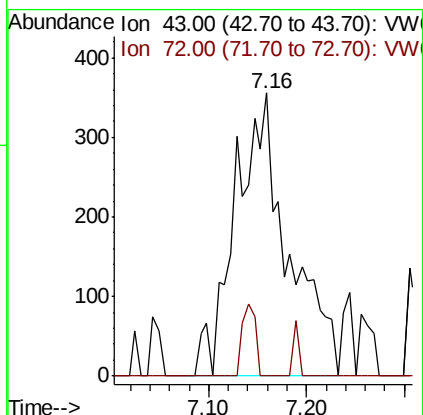
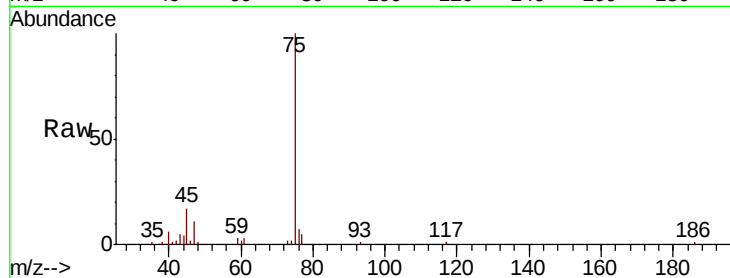
1S-C3-(30)

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.383 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011716.D

Acq: 05 Aug 2019 18:15

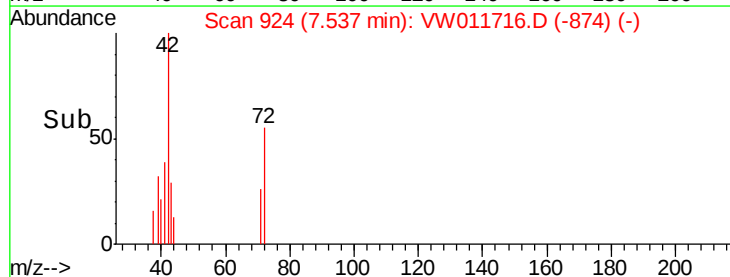
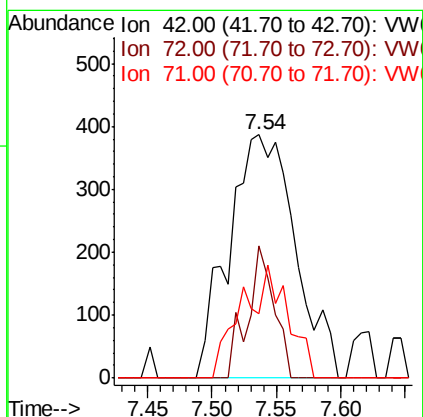
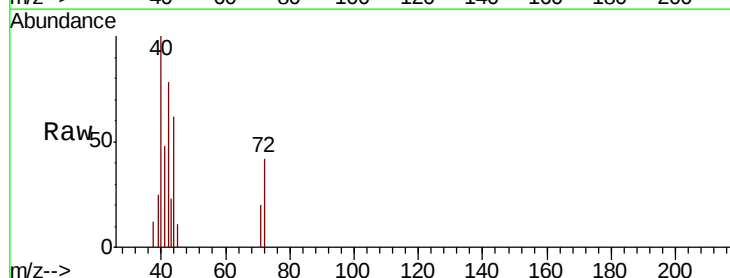
Tgt Ion: 42 Resp: 1390

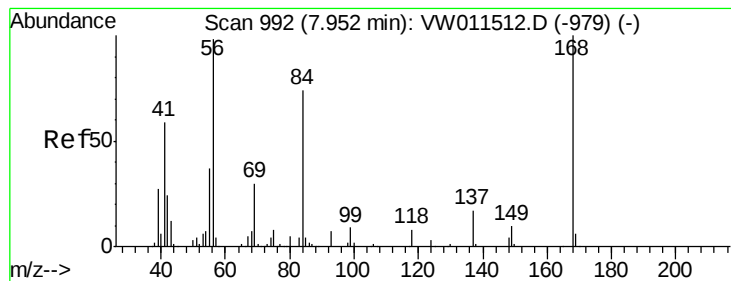
Ion Ratio Lower Upper

42 100

72 21.4 27.1 40.7#

71 32.1 26.2 39.4





#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011716.D

Acq: 05 Aug 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

1S-C3-(30)

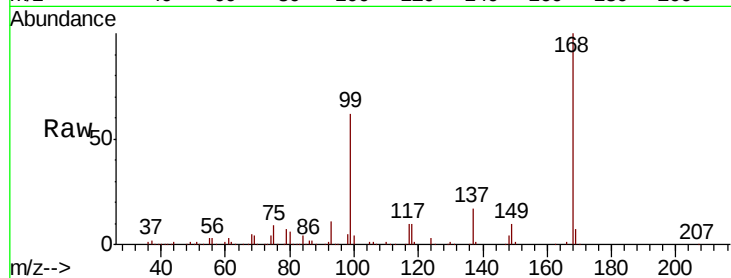
Tgt Ion: 56 Resp: 5345

Ion Ratio Lower Upper

56 100

69 161.1 24.3 36.5#

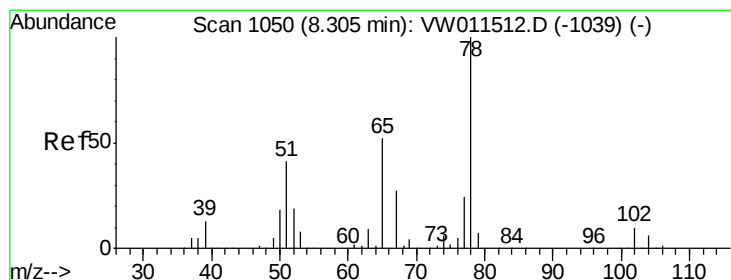
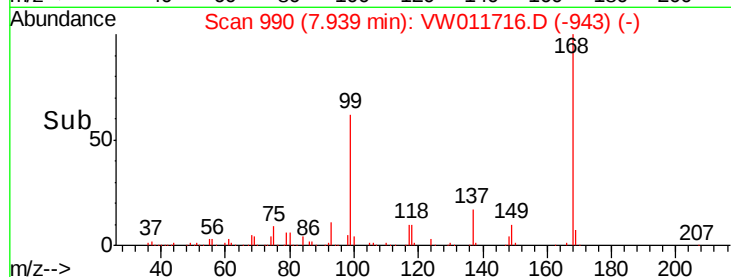
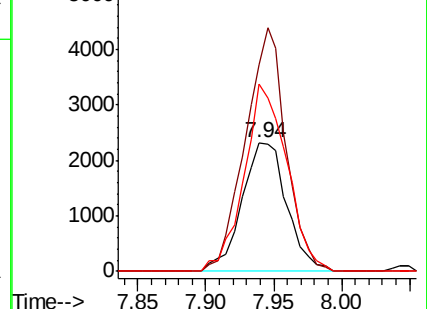
84 146.0 60.4 90.6#



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: 54.854 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011716.D

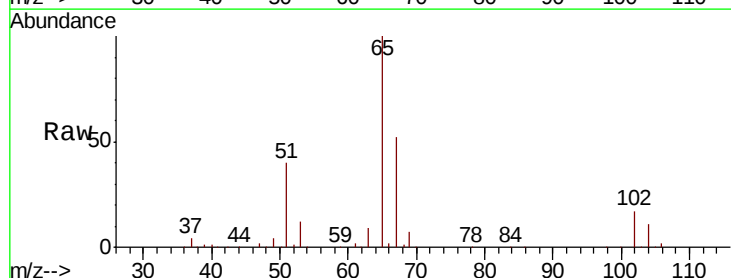
Acq: 05 Aug 2019 18:15

Tgt Ion: 65 Resp: 134484

Ion Ratio Lower Upper

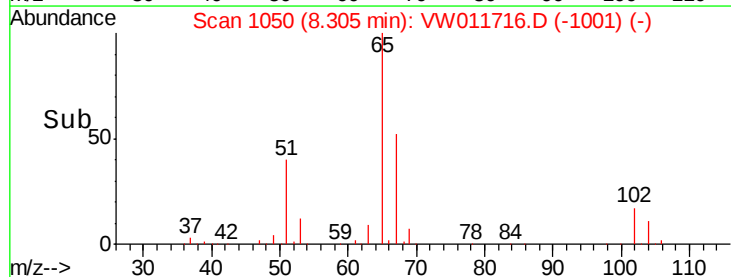
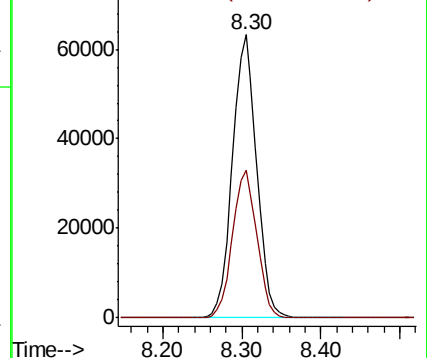
65 100

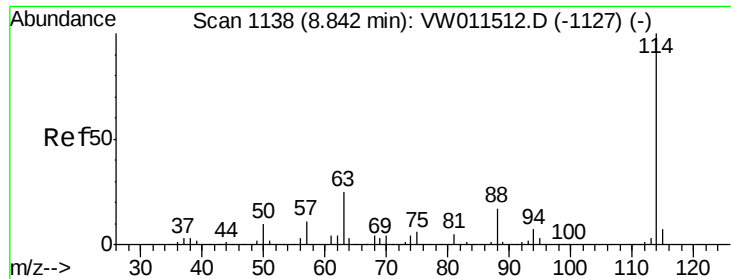
67 52.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

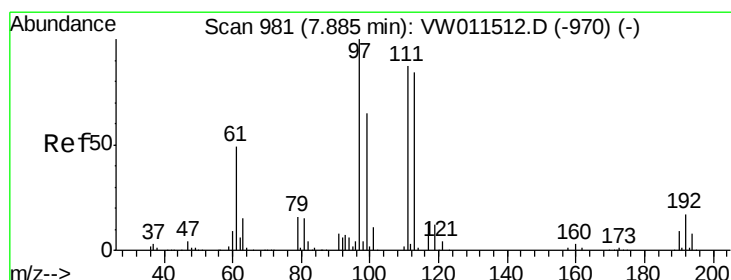
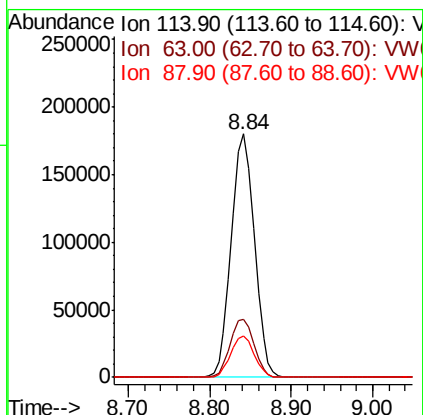
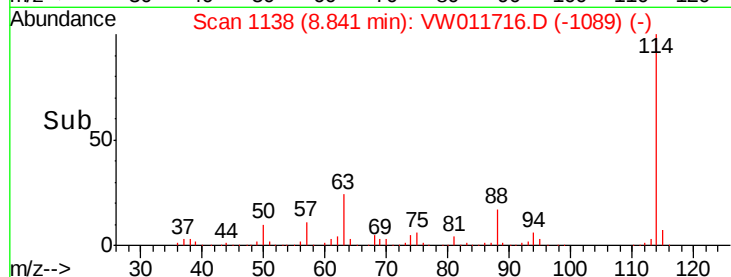
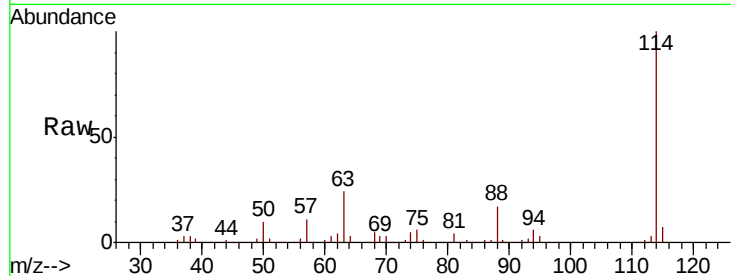




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011716.D
 Acq: 05 Aug 2019 18:15

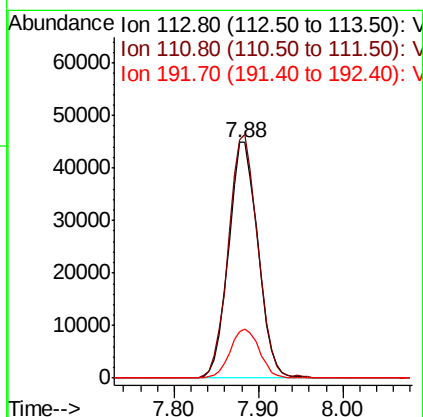
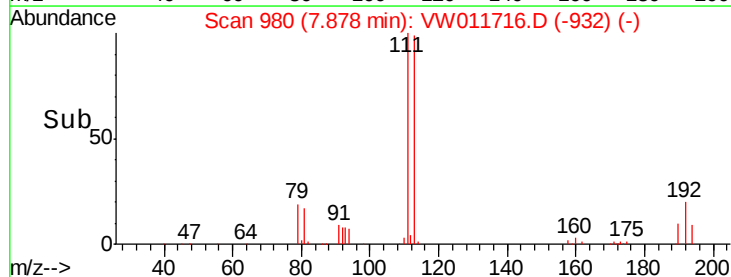
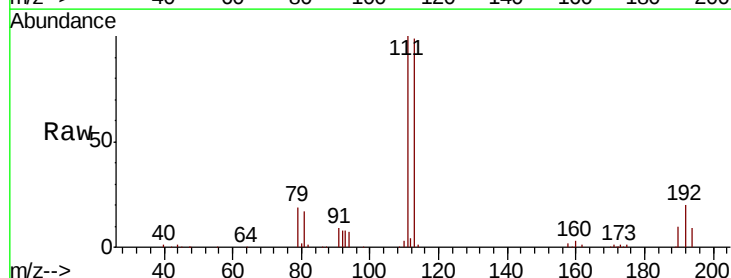
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 ClientSampleId :
 1S-C3-(30)

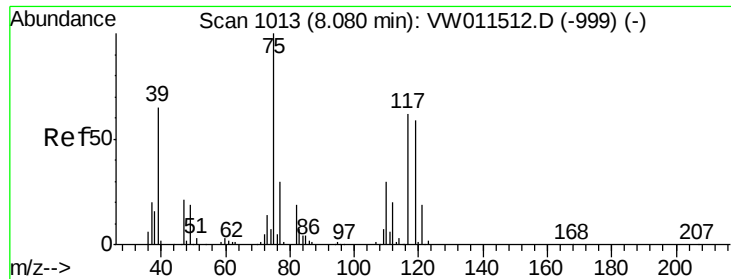
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	49.2
88	16.8	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 53.825 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011716.D
 Acq: 05 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.6	16.1	24.1

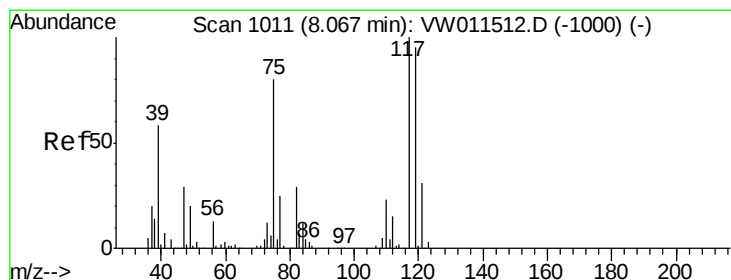
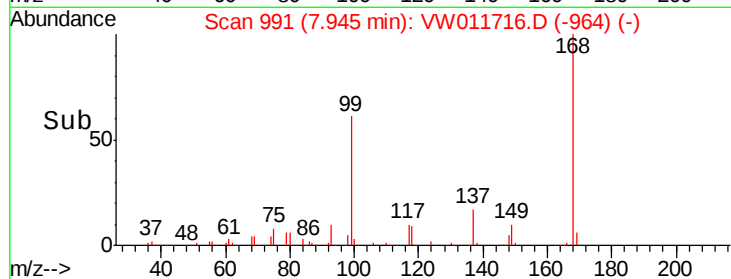
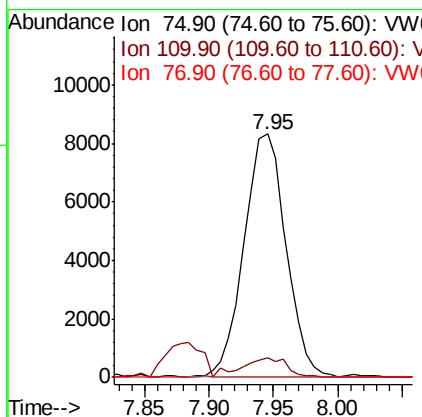
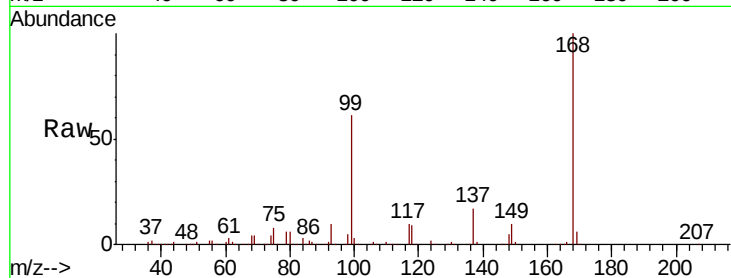




#36
 1,1-Dichloropropene
 Concen: 5.131 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011716.D
 Acq: 05 Aug 2019 18:15

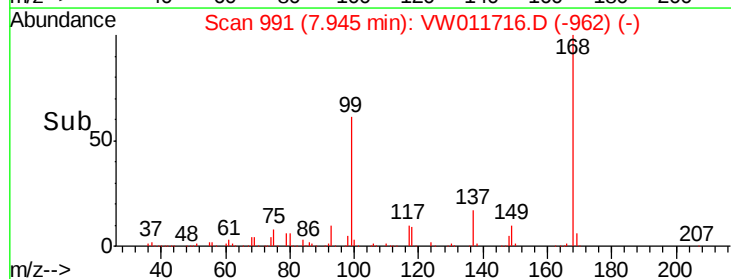
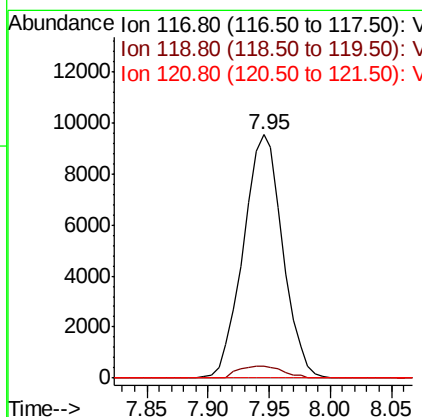
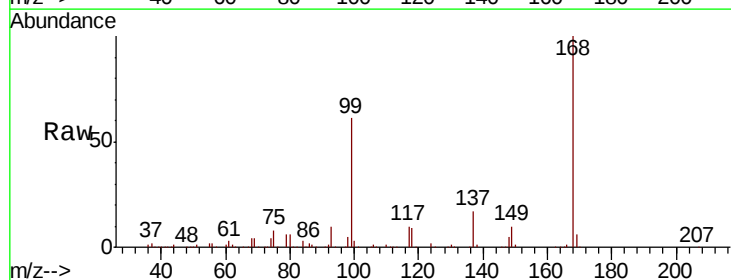
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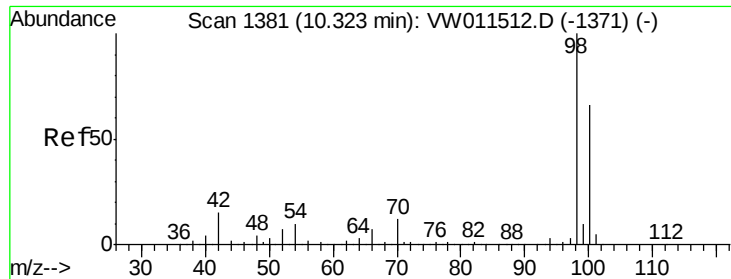
Tgt Ion: 75 Resp: 18790
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.811 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011716.D
 Acq: 05 Aug 2019 18:15

Tgt Ion: 117 Resp: 21352
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.6#
 121 0.0 24.7 37.1#

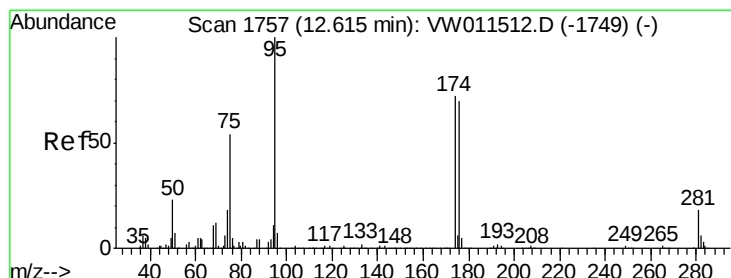
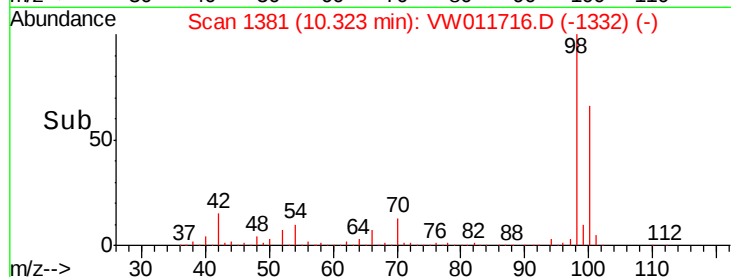
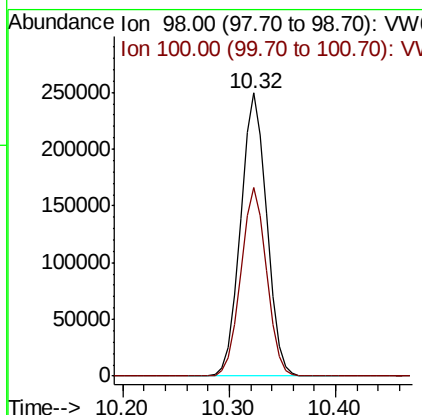
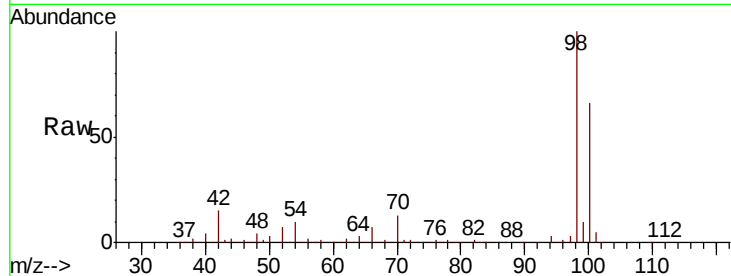




#50
Toluene-d8
Concen: 53.121 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011716.D
Acq: 05 Aug 2019 18:15

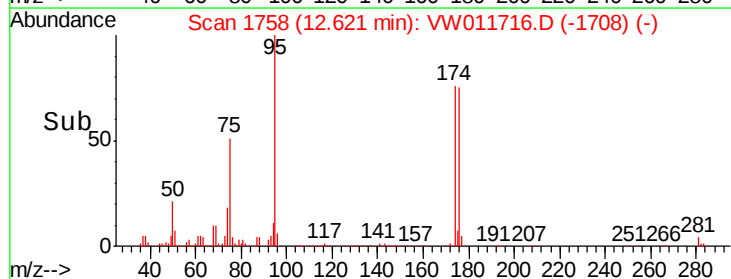
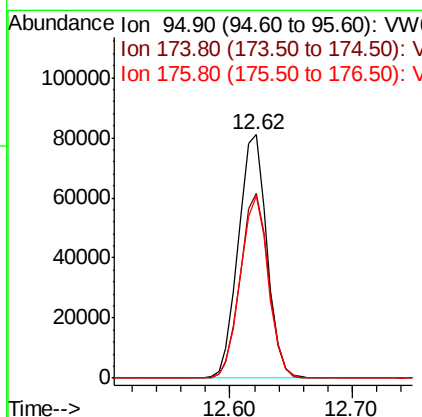
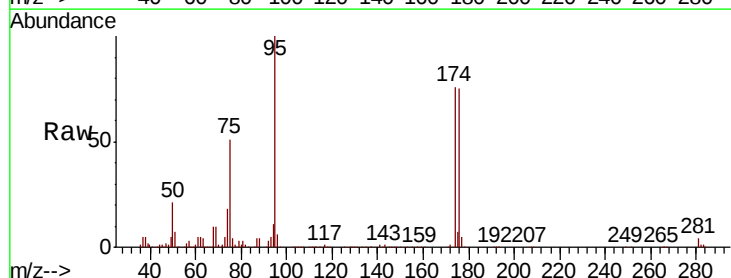
Instrument :
MSVOA_W
ClientSampleId :
1S-C3-(30)

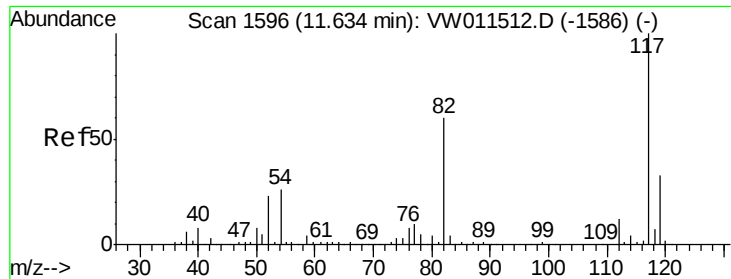
Tgt Ion: 98 Resp: 429700
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.335 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011716.D
Acq: 05 Aug 2019 18:15

Tgt Ion: 95 Resp: 130745
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.2
176 73.7 0.0 144.4

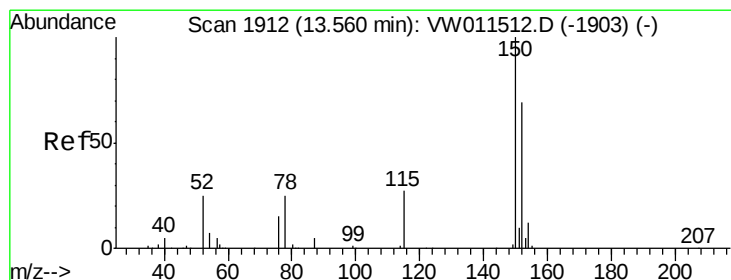
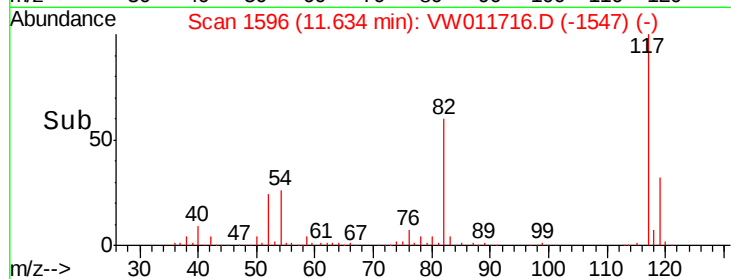
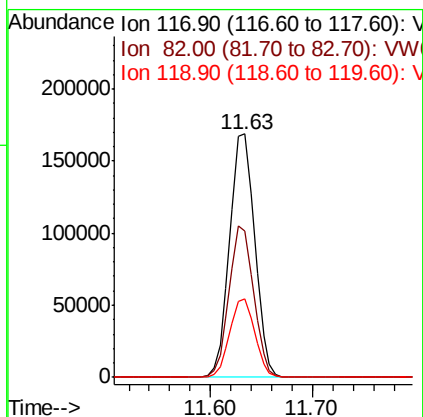
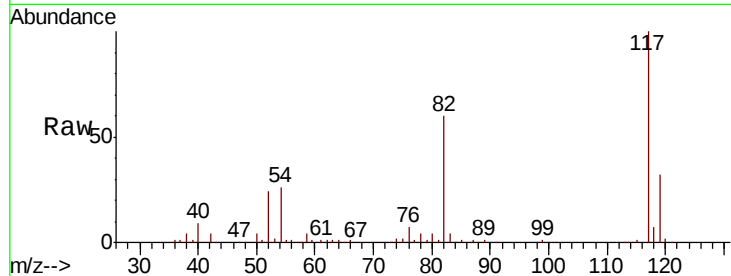




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011716.D
Acq: 05 Aug 2019 18:15

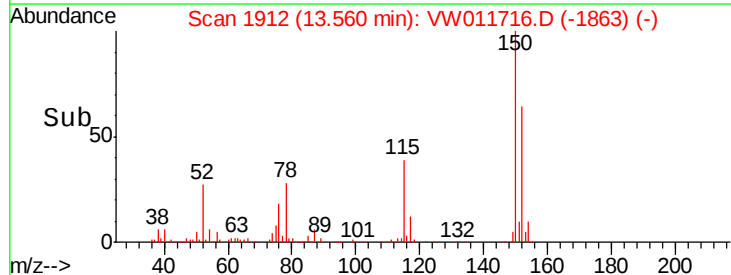
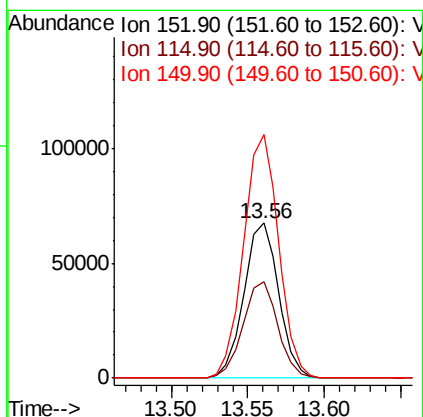
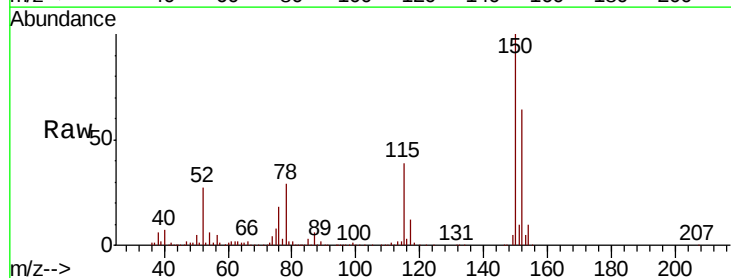
Instrument :
MSVOA_W
ClientSampleId :
1S-C3-(30)

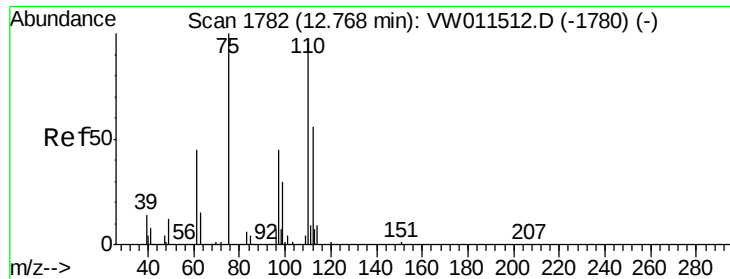
Tgt Ion:117 Resp: 287998
Ion Ratio Lower Upper
117 100
82 60.2 47.9 71.9
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011716.D
Acq: 05 Aug 2019 18:15

Tgt Ion:152 Resp: 106884
Ion Ratio Lower Upper
152 100
115 61.9 30.5 91.5
150 157.9 0.0 352.6

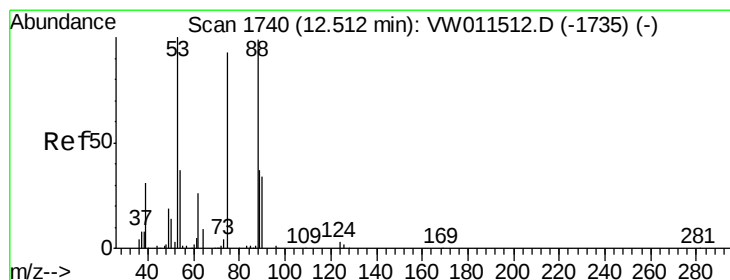
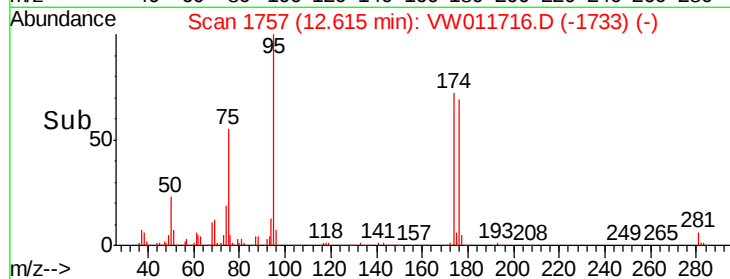
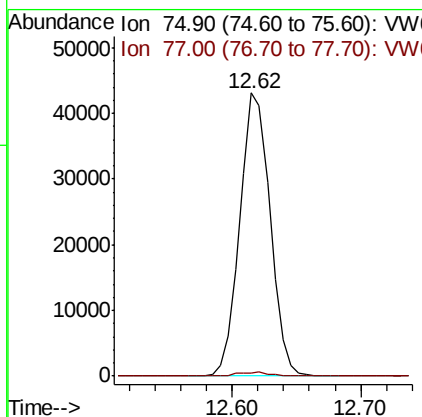
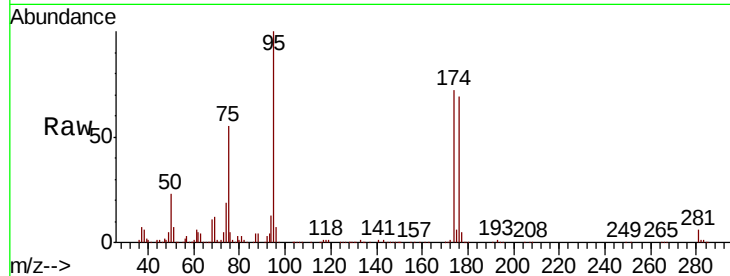




#76
 1,2,3-Trichloropropane
 Concen: 61.984 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011716.D
 Acq: 05 Aug 2019 18:15

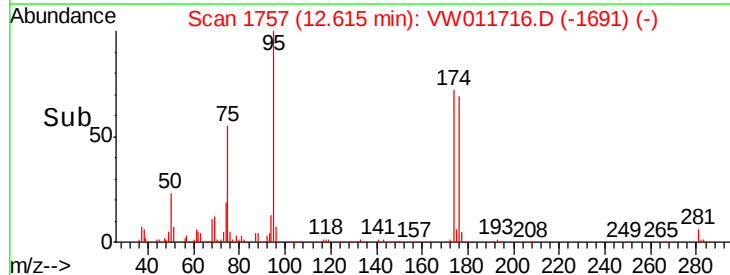
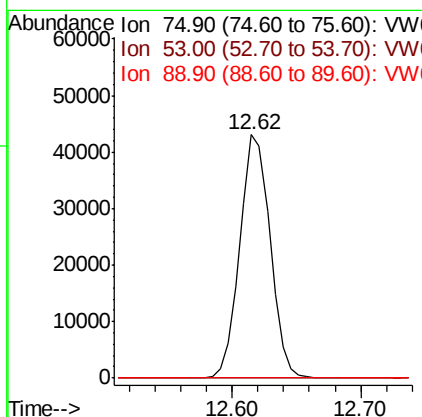
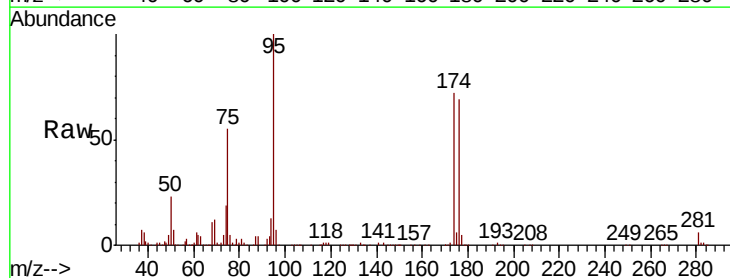
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-C3-(30)

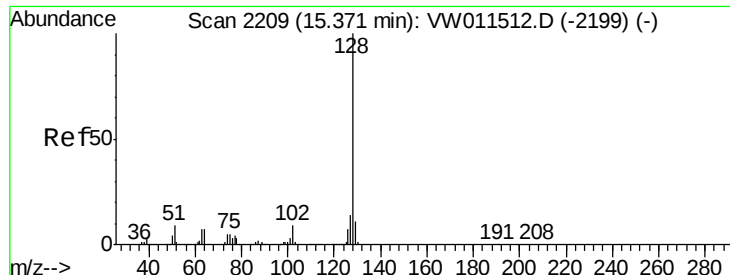
Tgt Ion: 75 Resp: 70101
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.851 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011716.D
 Acq: 05 Aug 2019 18:15

Tgt Ion: 75 Resp: 70101
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.249 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011716.D

Acq: 05 Aug 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

1S-C3-(30)

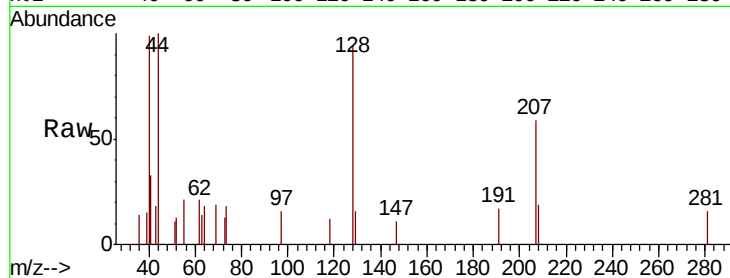
Tgt Ion:128 Resp: 804

Ion Ratio Lower Upper

128 100

127 9.6 10.6 16.0#

129 8.8 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

