

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011834.D
 Acq On : 10 Aug 2019 01:34
 Operator : SY/VA
 Sample : K4277-05
 Misc : 5.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-20

Quant Time: Aug 11 01:31:31 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	204914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107995	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	136203	57.89	ug/l	0.00
Spiked Amount			Recovery	=	115.78%	
35) Dibromofluoromethane	7.88	113	107019	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	10.32	98	418612	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.62	95	131327	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

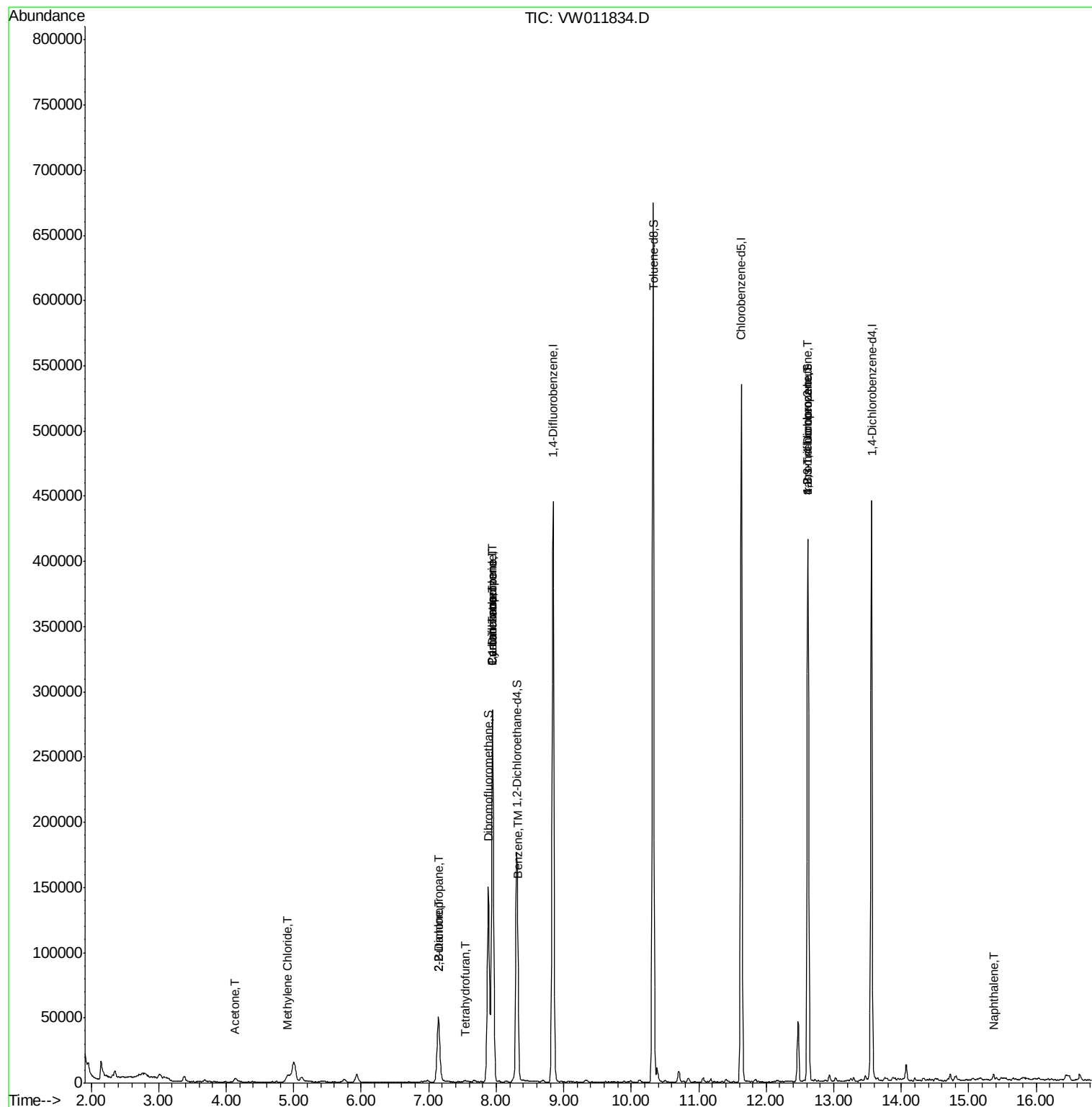
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	105	Below Cal	#	72
16) Acetone	4.13	43	5932	7.925	ug/l	99
20) Methylene Chloride	4.91	84	3070	1.189	ug/l	88
25) 2-Butanone	7.14	43	4192	4.280	ug/l #	90
26) 2,2-Dichloropropane	7.15	77	3381	1.200	ug/l #	54
29) Tetrahydrofuran	7.54	42	1255	2.242	ug/l #	84
31) Cyclohexane	7.94	56	5314	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18518	5.234	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21377	7.058	ug/l #	16
40) Benzene	8.32	78	14816	1.495	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	71307	62.402	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71307	143.814	ug/l #	6
95) Naphthalene	15.36	128	3193	2.784	ug/l #	94

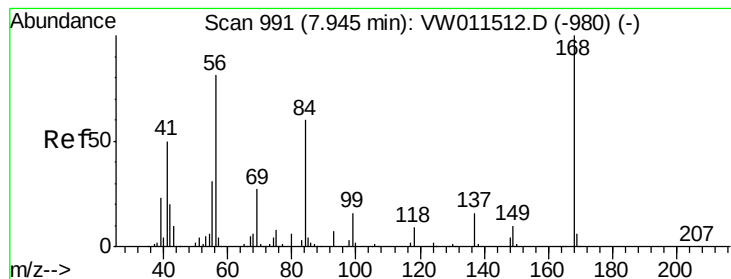
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011834.D

Acq: 10 Aug 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

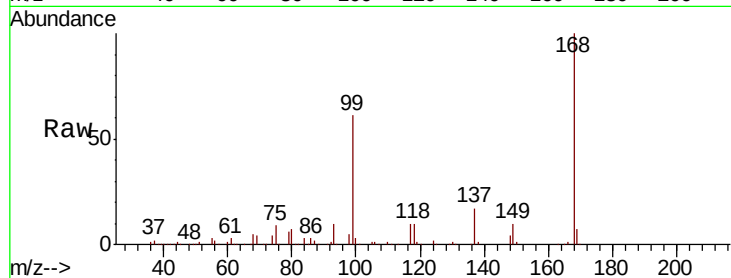
TP-20

Tgt Ion:168 Resp: 204914

Ion Ratio Lower Upper

168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

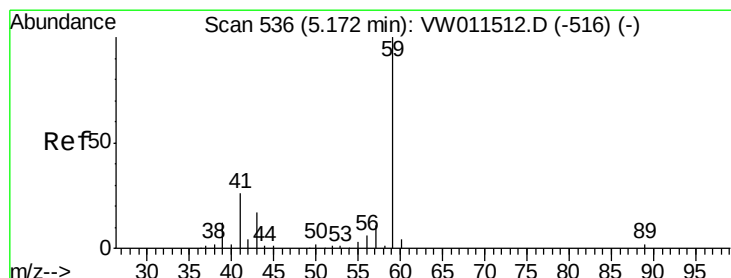
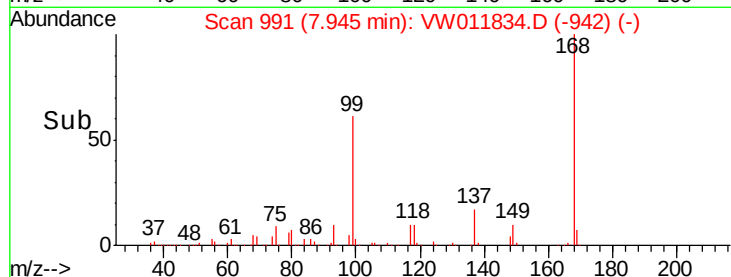
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW011834.D

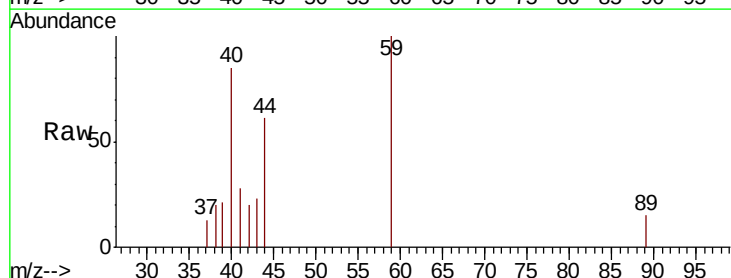
Acq: 10 Aug 2019 01:34

Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

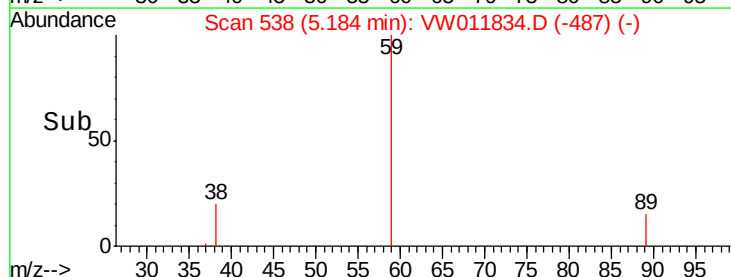
300

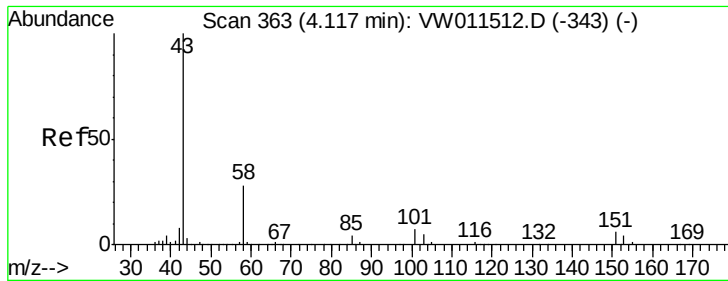
200

100

0

Time--> 5.17 5.18 5.19

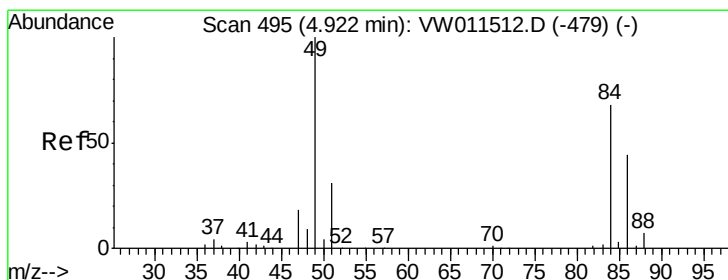
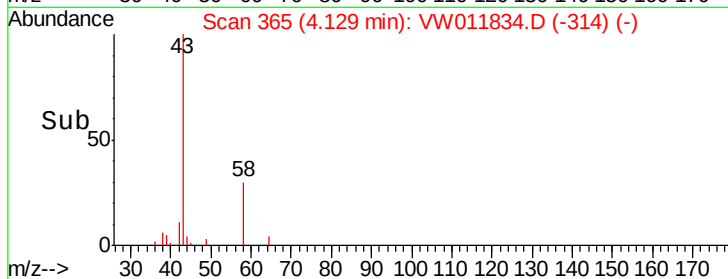
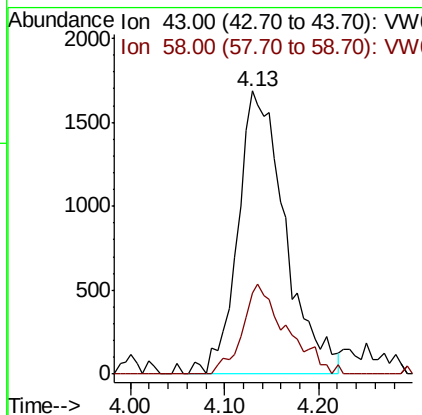
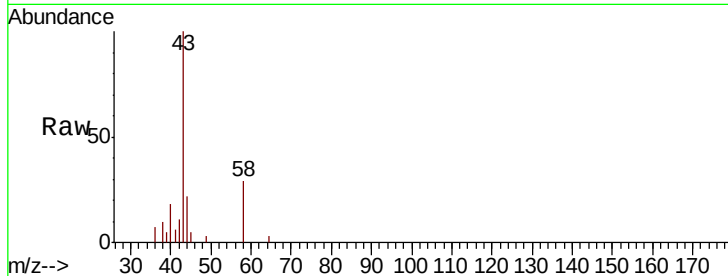




#16
Acetone
Concen: 7.925 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011834.D
Acq: 10 Aug 2019 01:34

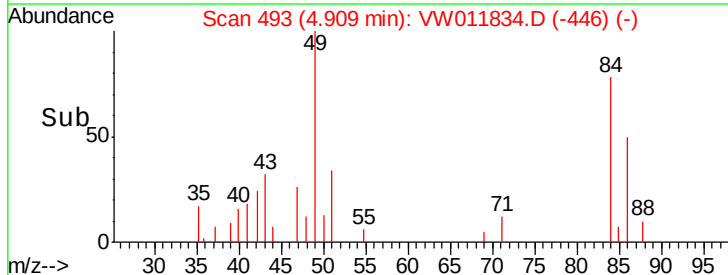
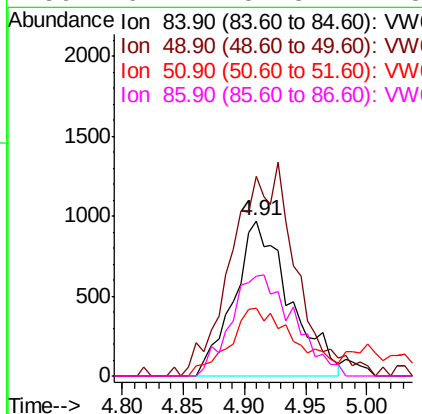
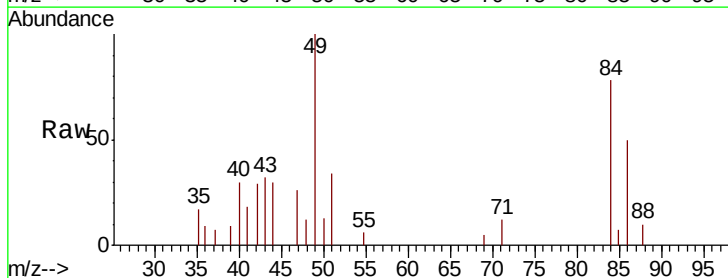
Instrument :
MSVOA_W
ClientSampled :
TP-20

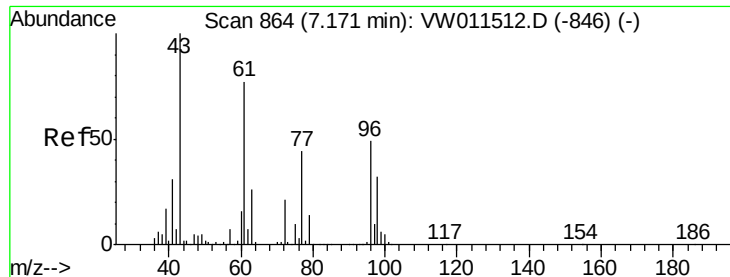
Tgt Ion: 43 Resp: 5932
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



#20
Methylene Chloride
Concen: 1.189 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011834.D
Acq: 10 Aug 2019 01:34

Tgt Ion: 84 Resp: 3070
Ion Ratio Lower Upper
84 100
49 123.0 117.8 176.6
51 43.8 37.0 55.4
86 64.2 51.8 77.8





#25

2-Butanone

Concen: 4.280 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011834.D

Acq: 10 Aug 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

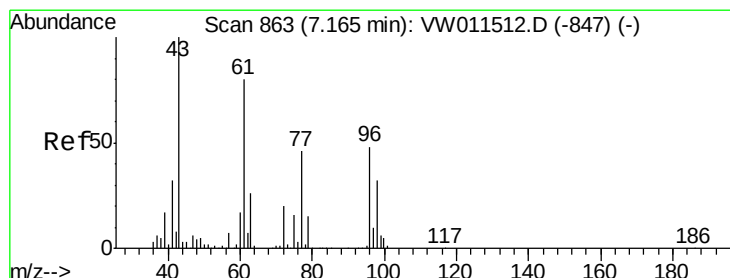
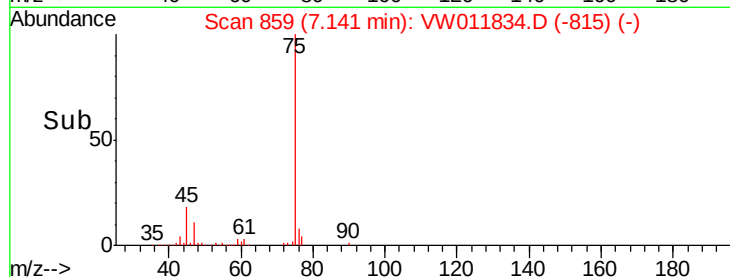
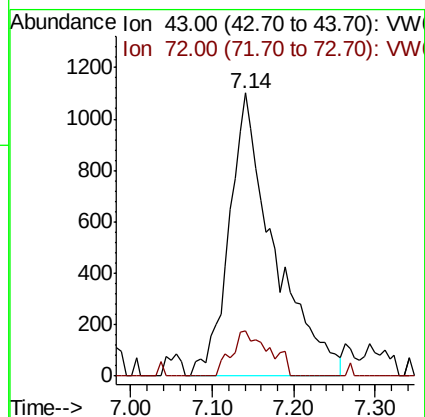
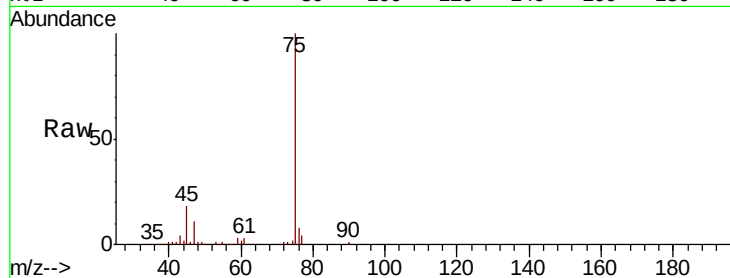
TP-20

Tgt Ion: 43 Resp: 4192

Ion Ratio Lower Upper

43 100

72 15.9 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.200 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011834.D

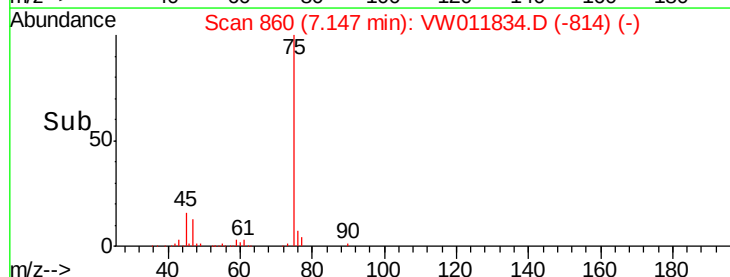
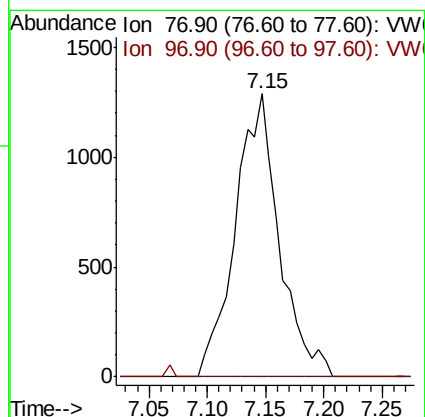
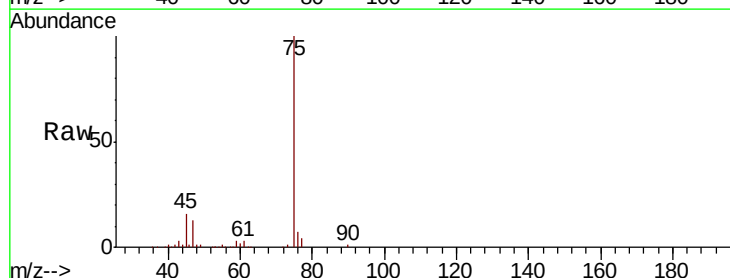
Acq: 10 Aug 2019 01:34

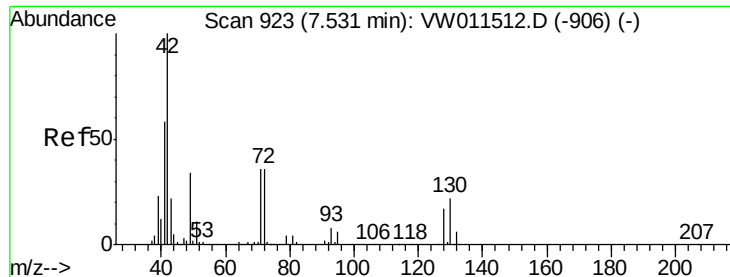
Tgt Ion: 77 Resp: 3381

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 2.242 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011834.D

Acq: 10 Aug 2019 01:34

Instrument :

MSVOA_W

ClientSampled :

TP-20

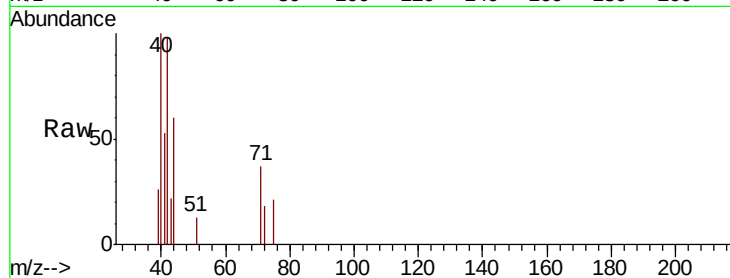
Tgt Ion: 42 Resp: 1255

Ion Ratio Lower Upper

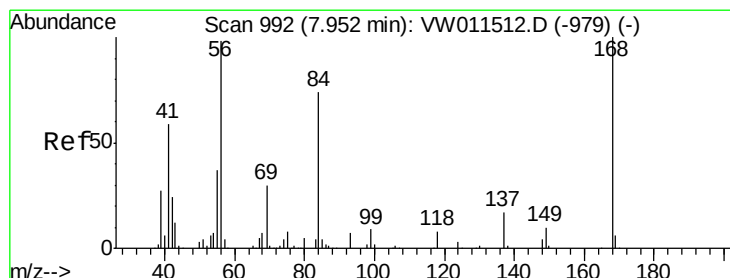
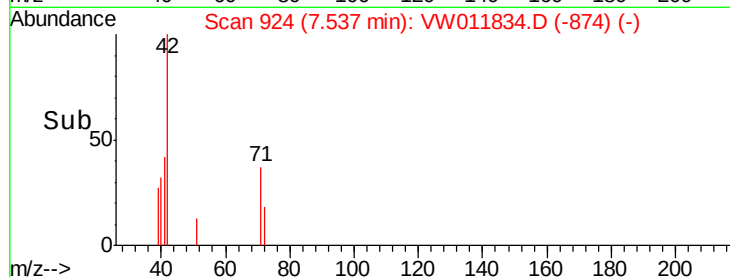
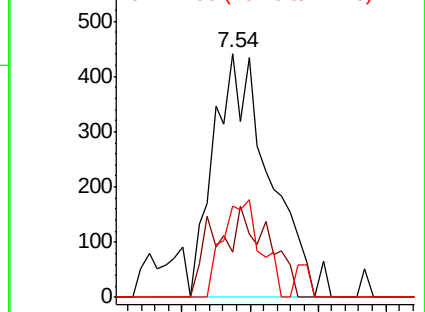
42 100

72 21.4 27.1 40.7#

71 27.3 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011834.D

Acq: 10 Aug 2019 01:34

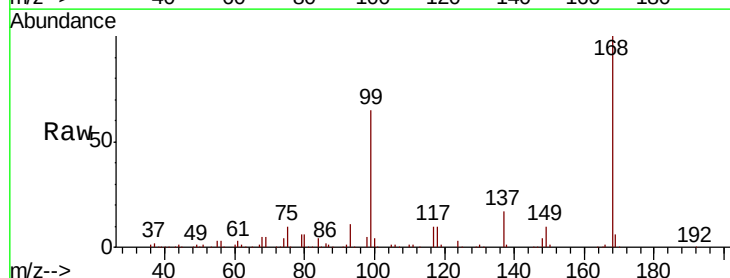
Tgt Ion: 56 Resp: 5314

Ion Ratio Lower Upper

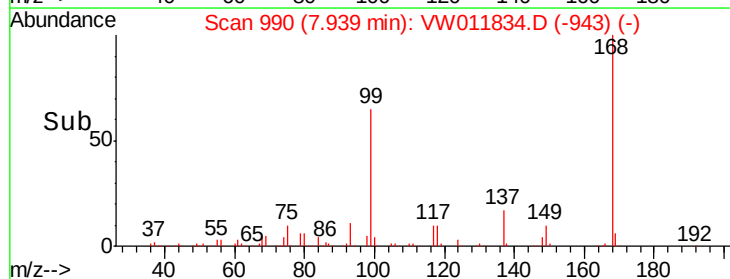
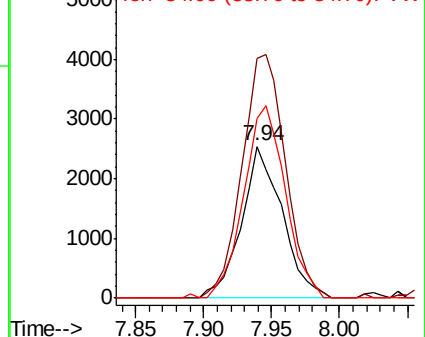
56 100

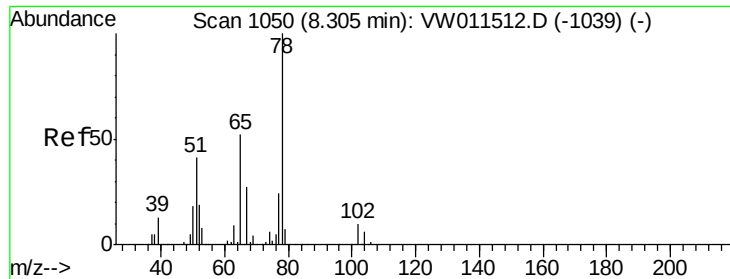
69 158.5 24.3 36.5#

84 118.6 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

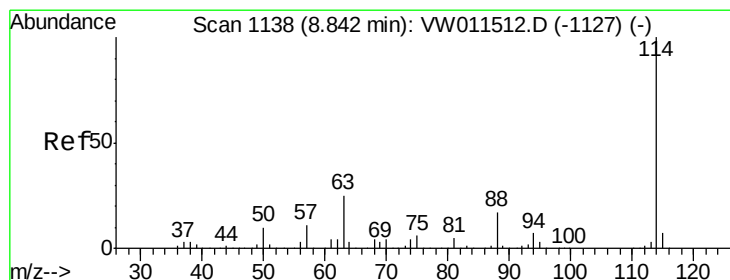
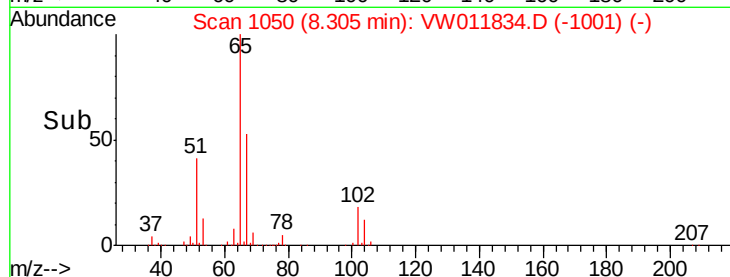
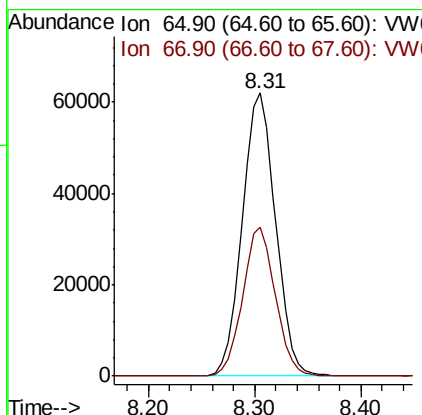
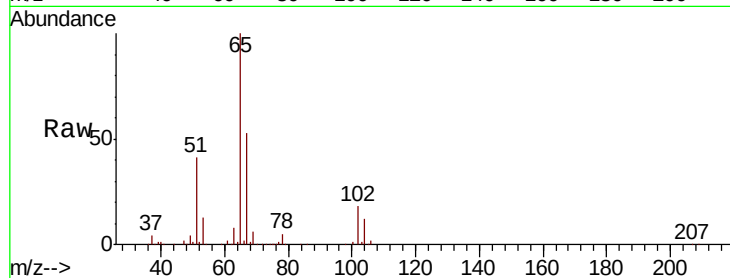




#33
 1,2-Dichloroethane-d4
 Concen: 57.885 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

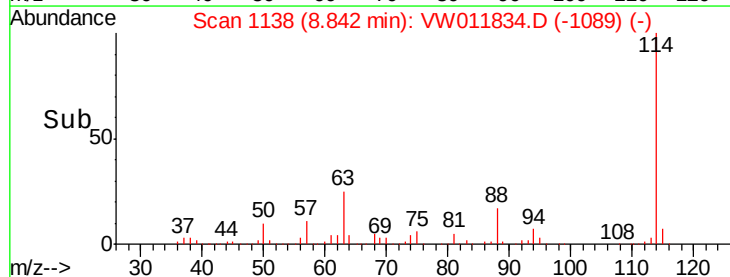
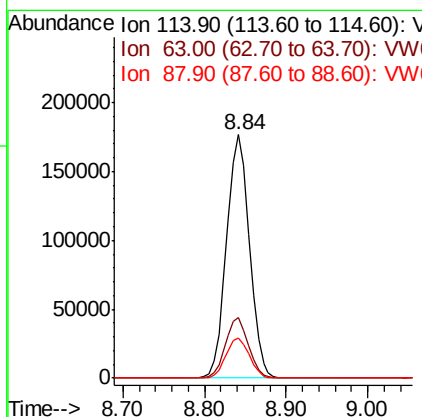
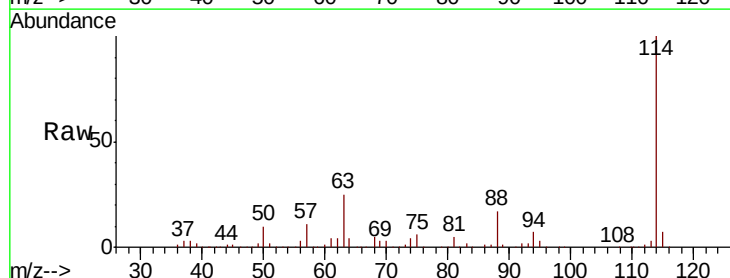
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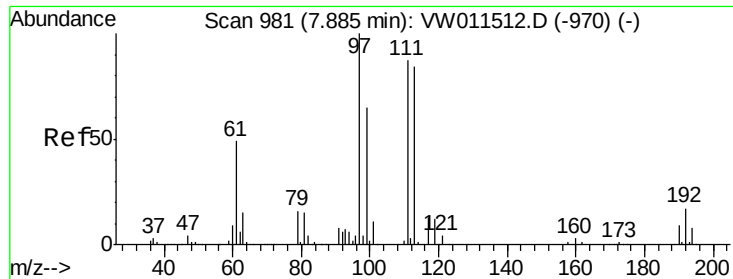
Tgt Ion: 65 Resp: 136203
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

Tgt Ion: 114 Resp: 340254
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.7 0.0 33.8

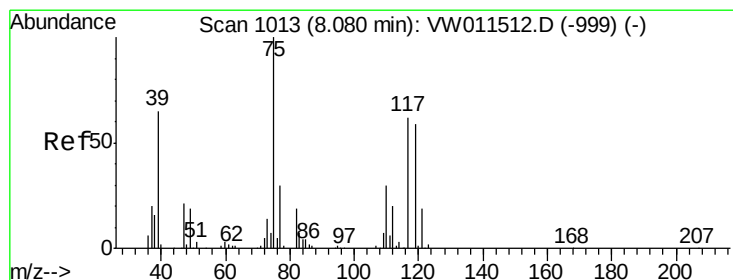
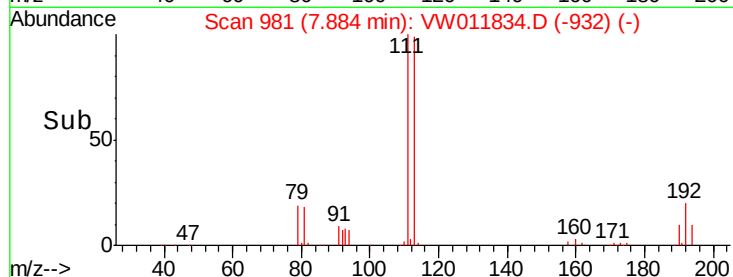
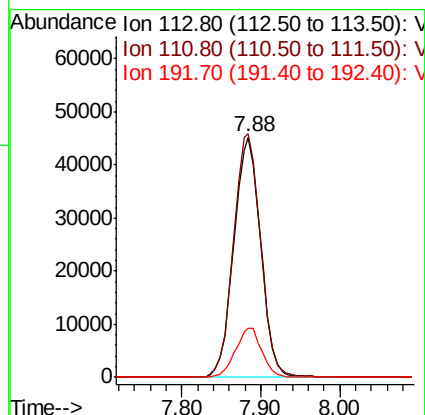
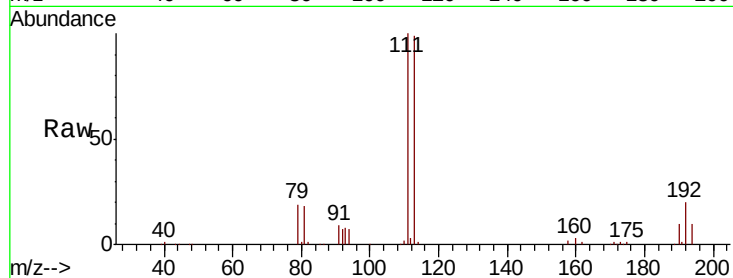




#35
 Dibromofluoromethane
 Concen: 56.064 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

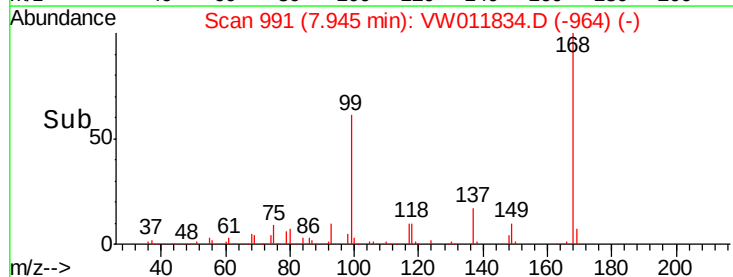
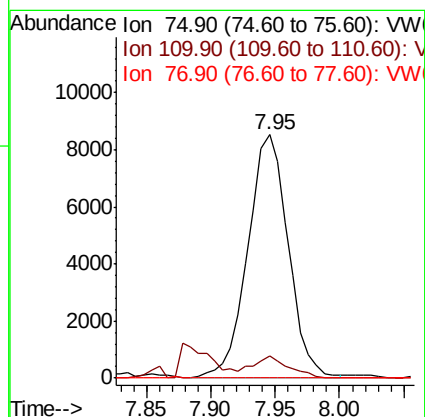
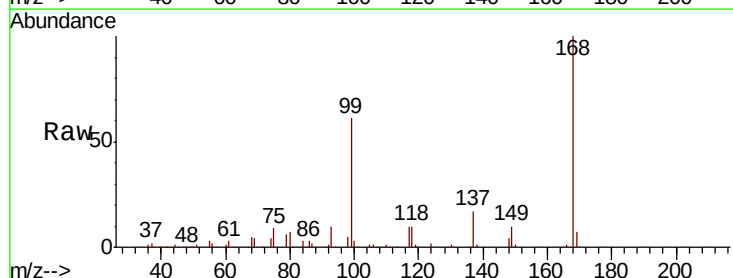
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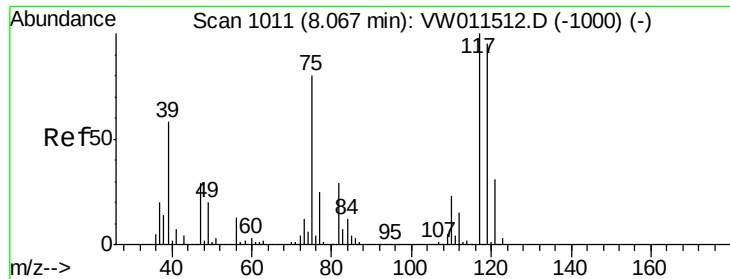
Tgt Ion:113 Resp: 107019
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 20.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.234 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

Tgt Ion: 75 Resp: 18518
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.0 24.3 36.5#

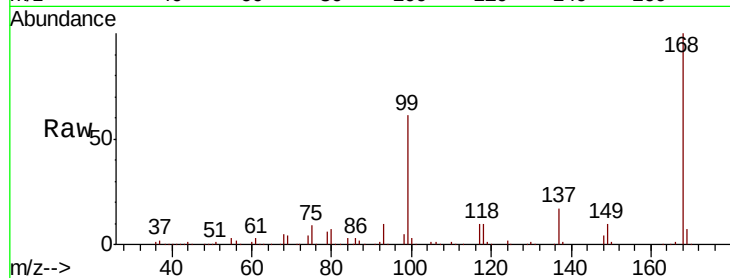




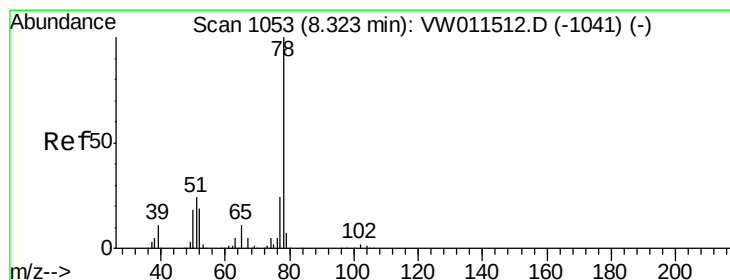
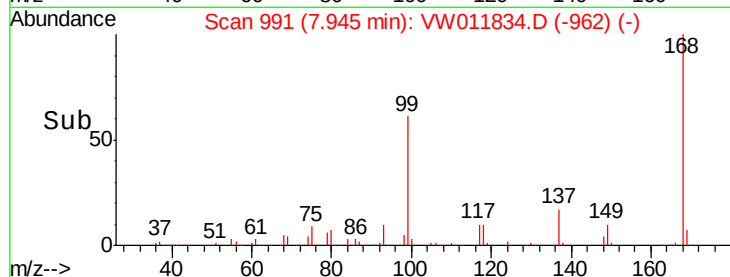
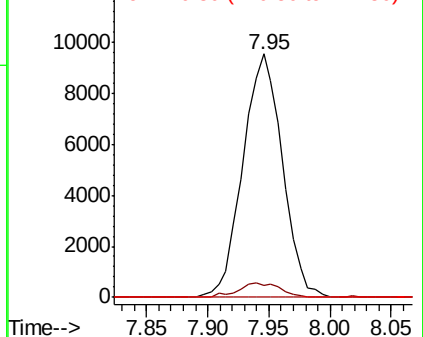
#38
 Carbon Tetrachloride
 Concen: 7.058 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

Instrument :
 MSVOA_W
 ClientSampled :
 TP-20

Tgt Ion:117 Resp: 21377
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.8 113.6#
 121 0.0 24.7 37.1#

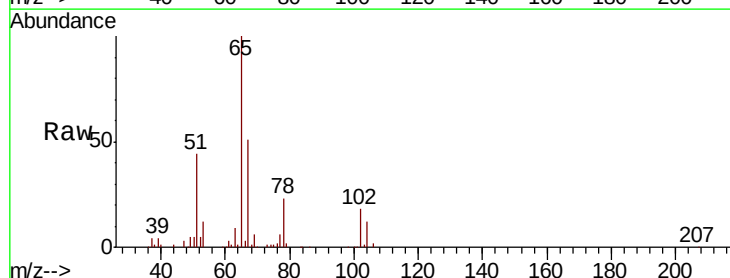


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

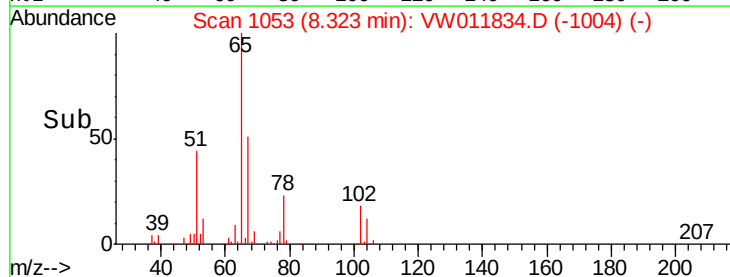
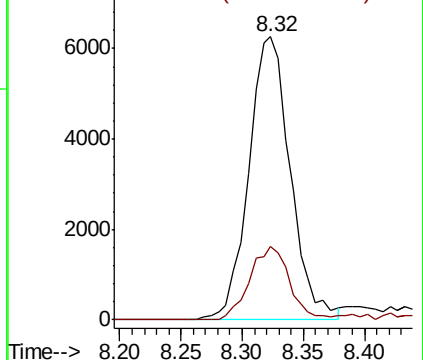


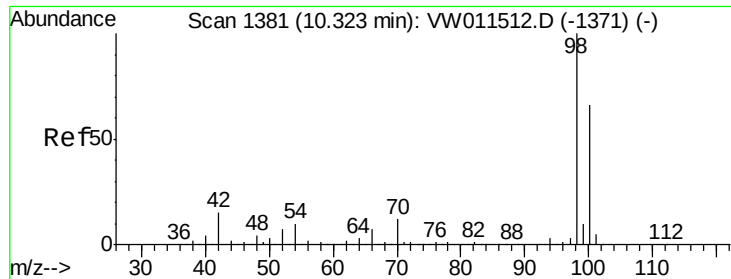
#40
 Benzene
 Concen: 1.495 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

Tgt Ion: 78 Resp: 14816
 Ion Ratio Lower Upper
 78 100
 77 25.9 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
 Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 53.562 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011834.D

Acq: 10 Aug 2019 01:34

Instrument :

MSVOA_W

ClientSampled :

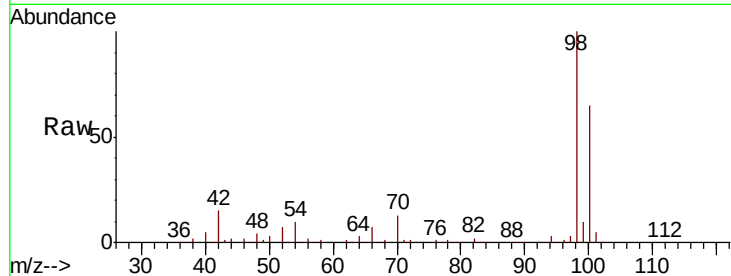
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Tgt Ion: 98 Resp: 418612

Ion Ratio Lower Upper

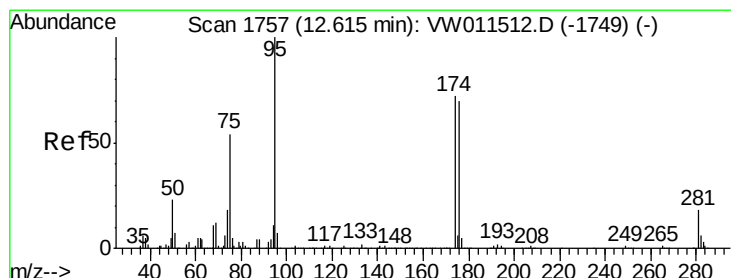
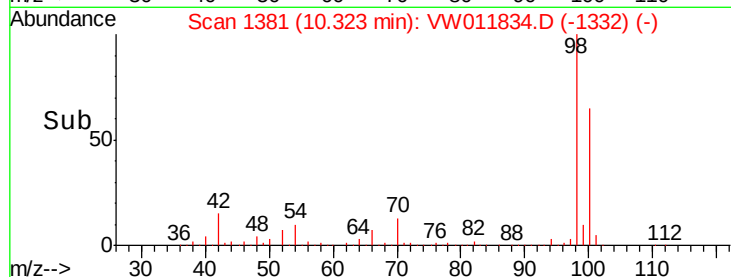
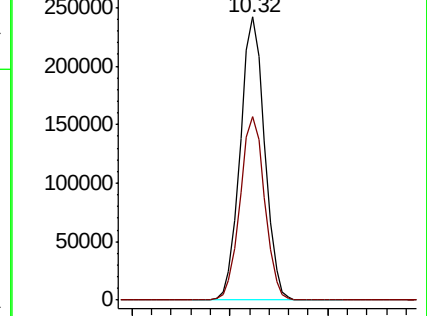
98 100

100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.132 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011834.D

Acq: 10 Aug 2019 01:34

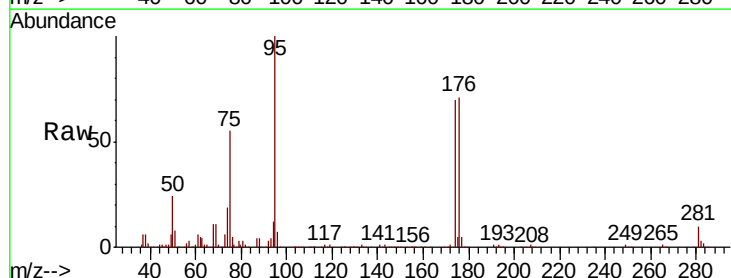
Tgt Ion: 95 Resp: 131327

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

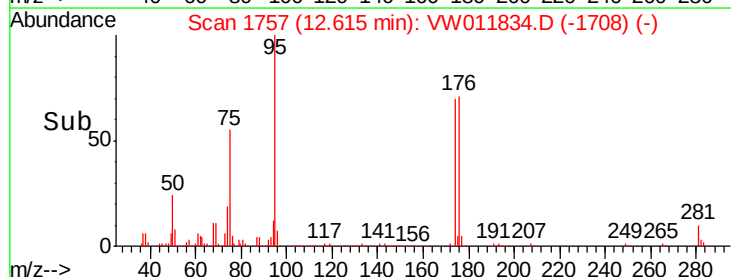
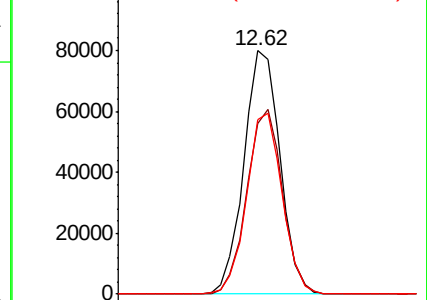
176 72.8 0.0 144.4

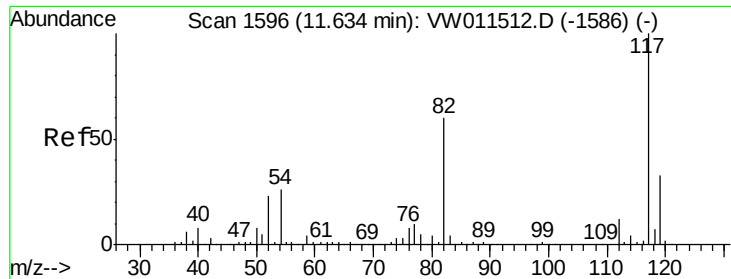


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

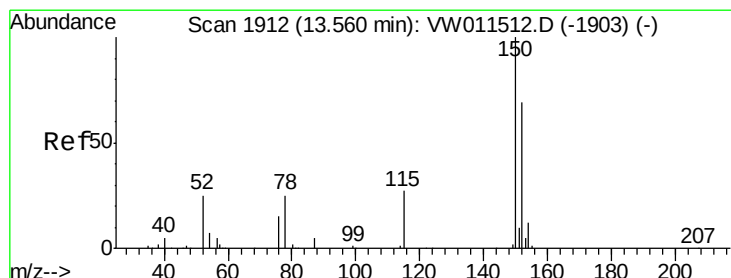
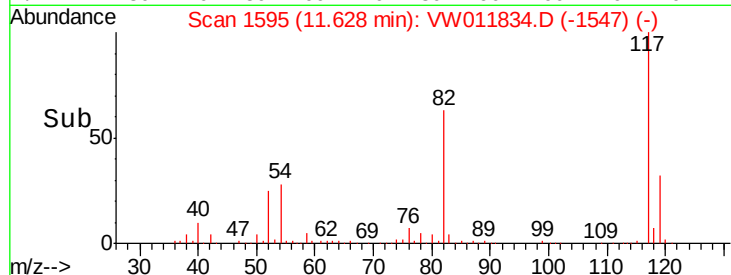
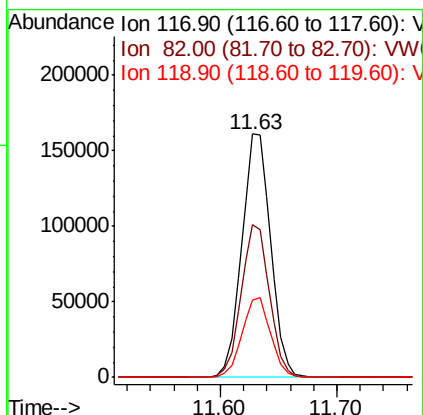
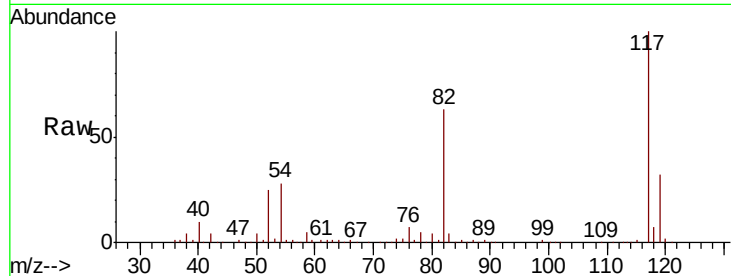




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011834.D
Acq: 10 Aug 2019 01:34

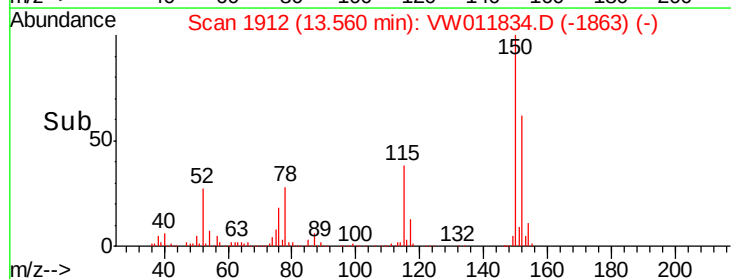
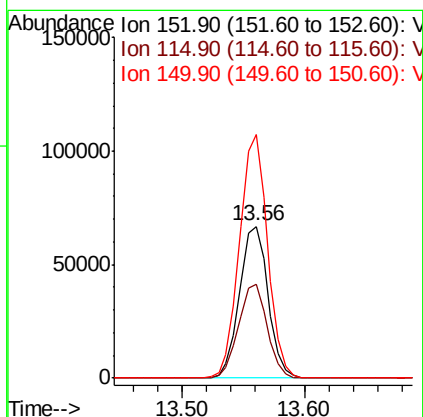
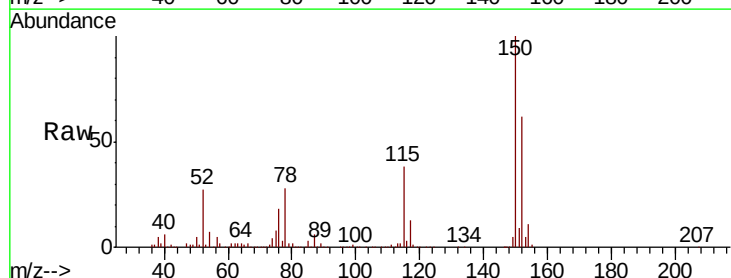
Instrument :
MSVOA_W
ClientSampled :
TP-20

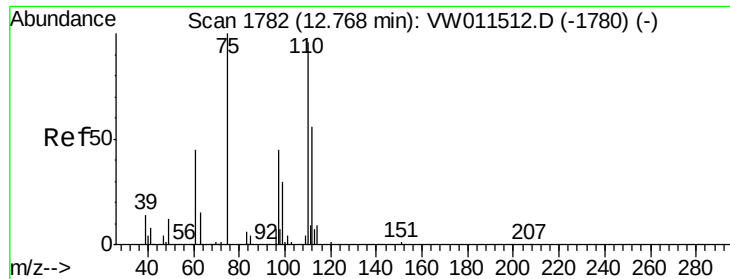
Tgt Ion:117 Resp: 278933
Ion Ratio Lower Upper
117 100
82 62.9 47.9 71.9
119 31.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011834.D
Acq: 10 Aug 2019 01:34

Tgt Ion:152 Resp: 107995
Ion Ratio Lower Upper
152 100
115 61.8 30.5 91.5
150 157.8 0.0 352.6

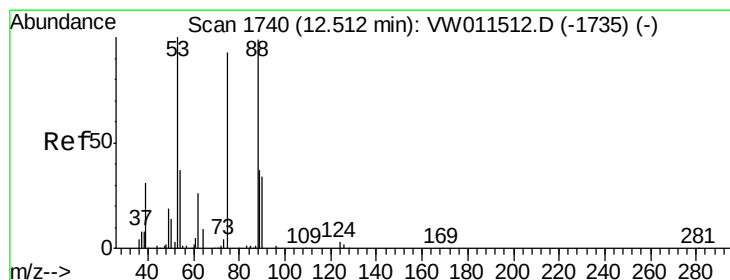
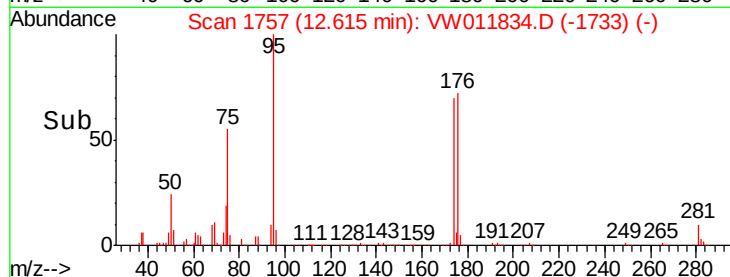
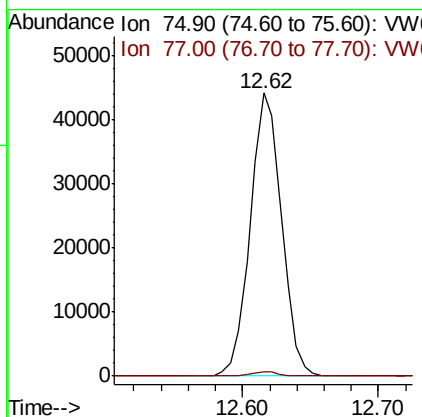
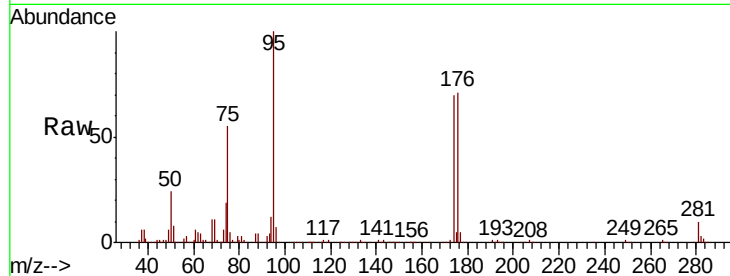




#76
 1,2,3-Trichloropropane
 Concen: 62.402 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

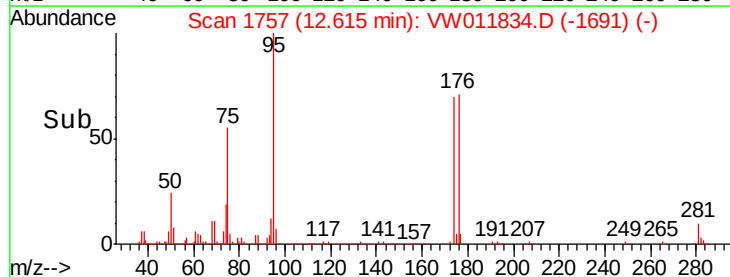
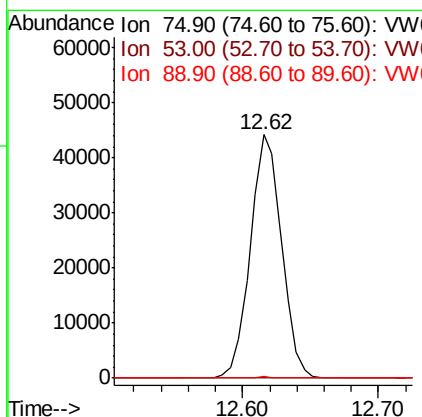
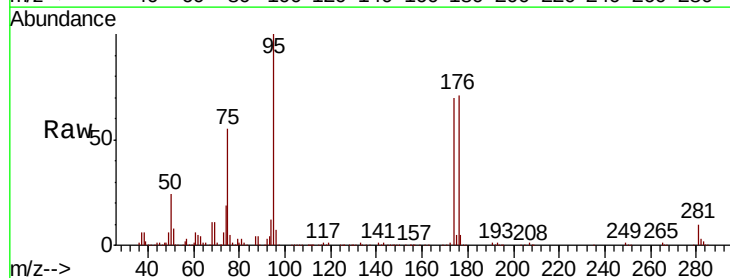
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-20

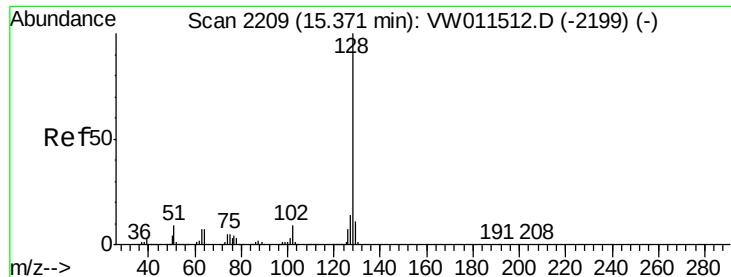
Tgt Ion: 75 Resp: 71307
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.814 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011834.D
 Acq: 10 Aug 2019 01:34

Tgt Ion: 75 Resp: 71307
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.2 35.3 52.9#

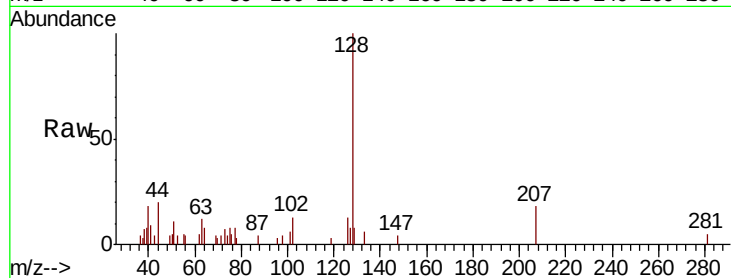




#95
Naphthalene
Concen: 2.784 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011834.D
Acq: 10 Aug 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
TP-20

Tgt Ion:128 Resp: 3193
Ion Ratio Lower Upper
128 100
127 16.8 10.6 16.0#
129 9.5 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

