

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
 Data File : VW008714.D
 Acq On : 16 Feb 2019 06:10
 Operator : SY/VA
 Sample : K1508-11
 Misc : 5.23G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-13-S

Quant Time: Feb 18 08:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	540699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	471682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231139	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	193506	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	7.88	113	169566	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.32	98	640224	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	217509	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

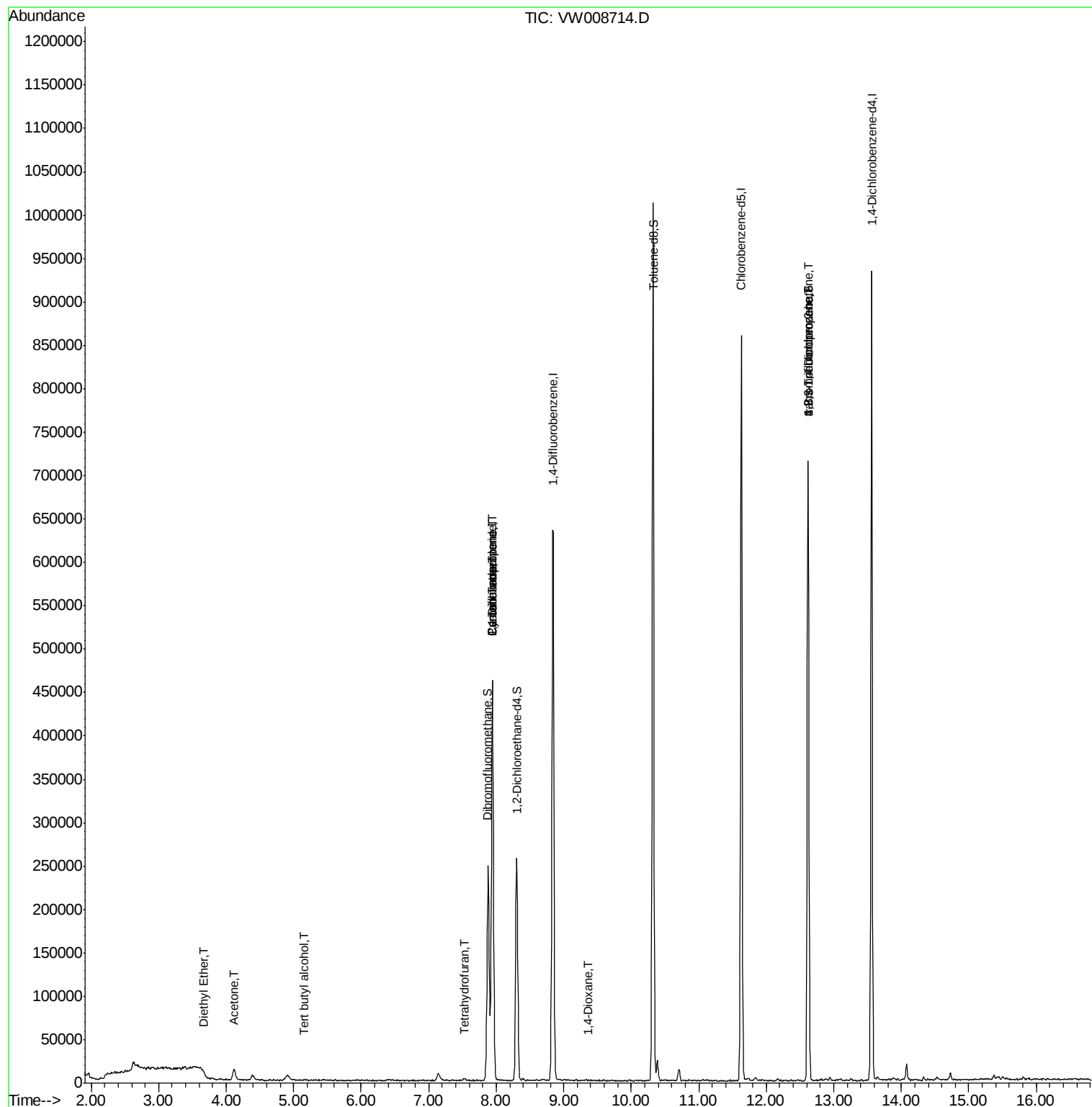
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2429	1.217	ug/l	58
11) Tert butyl alcohol	5.16	59	811	2.754	ug/l #	93
16) Acetone	4.12	43	22934	27.383	ug/l #	88
20) Methylene Chloride	4.91	84	5227	Below Cal	#	73
29) Tetrahydrofuran	7.53	42	1787	2.293	ug/l #	73
31) Cyclohexane	7.94	56	7368	1.095	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	27080	4.985	ug/l #	50
38) Carbon Tetrachloride	7.94	117	34898	6.460	ug/l #	16
49) 1,4-Dioxane	9.37	88	63	1.951	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	114215	50.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	114215	107.292	ug/l #	6

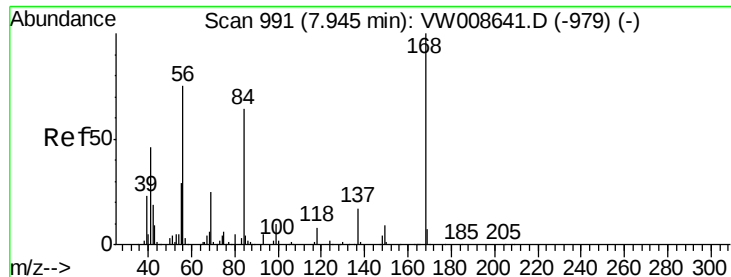
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
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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: VW008714.D

Acq: 16 Feb 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

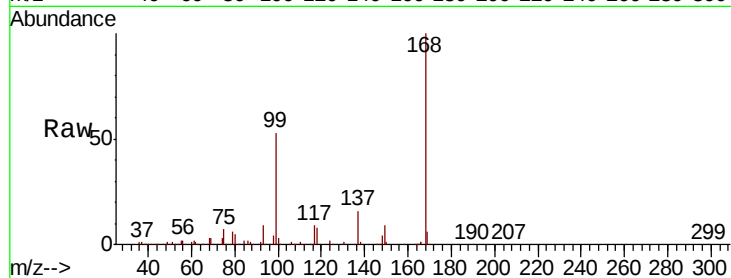
M-13-S

Tgt Ion:168 Resp: 354019

Ion Ratio Lower Upper

168 100

99 52.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

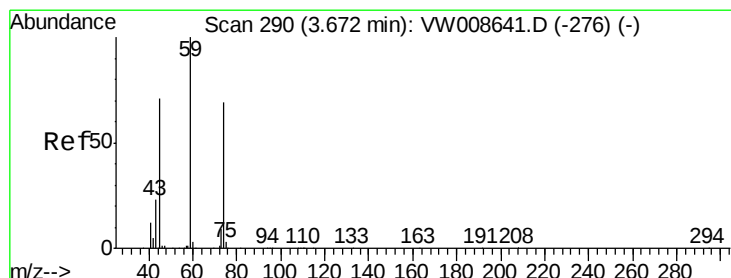
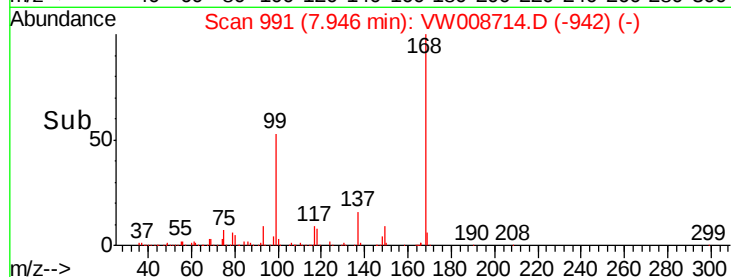
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.217 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW008714.D

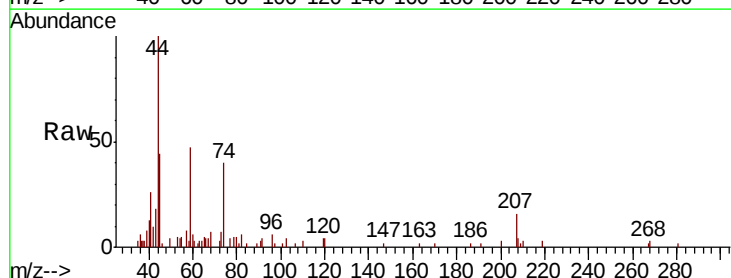
Acq: 16 Feb 2019 06:10

Tgt Ion: 74 Resp: 2429

Ion Ratio Lower Upper

74 100

45 142.4 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

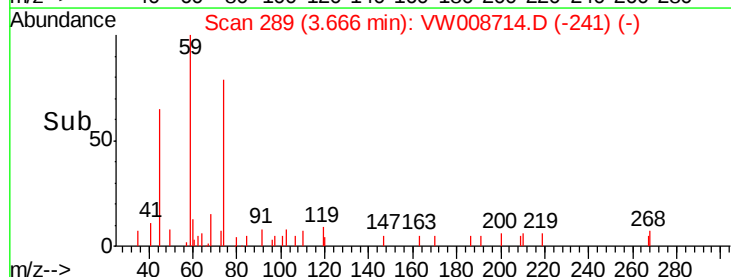
600

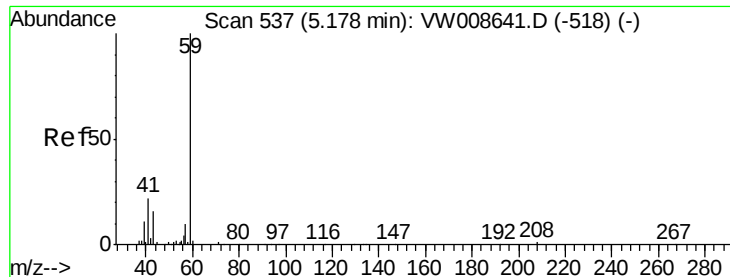
400

200

0

Time-->

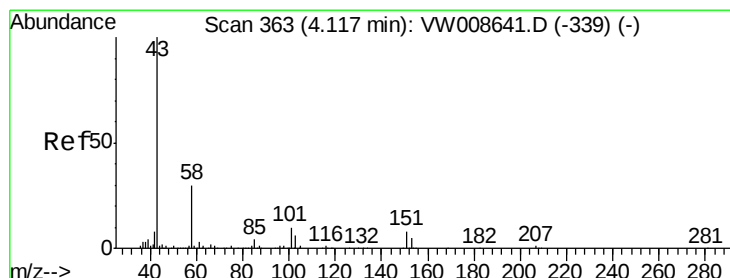
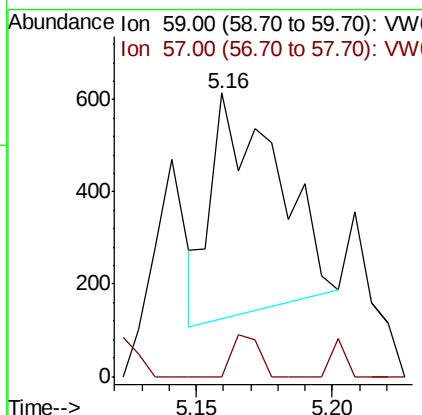
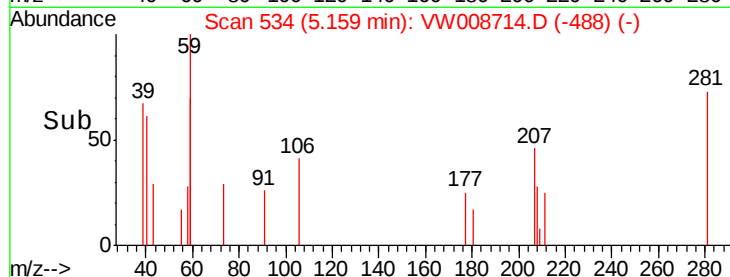
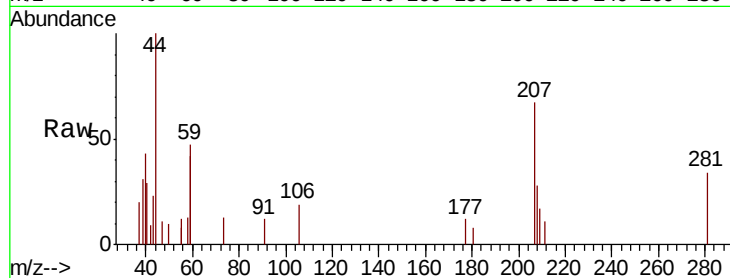




#11
Tert butyl alcohol
Concen: 2.754 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW008714.D
Acq: 16 Feb 2019 06:10

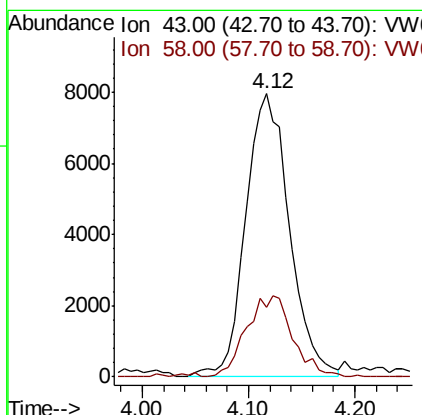
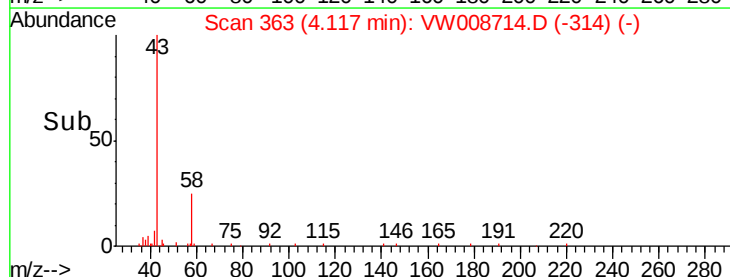
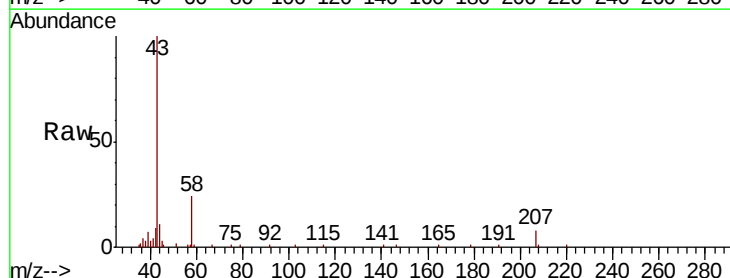
Instrument :
MSVOA_W
ClientSampleId :
M-13-S

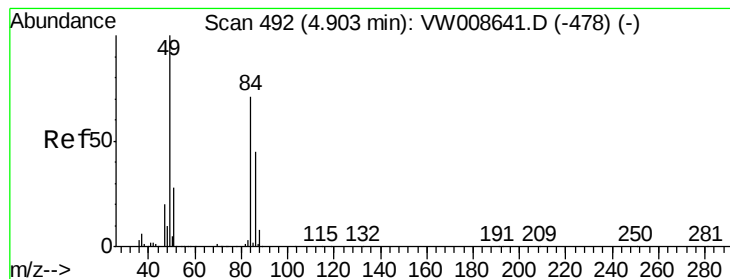
Tgt Ion: 59 Resp: 811
Ion Ratio Lower Upper
59 100
57 7.6 8.3 12.5#



#16
Acetone
Concen: 27.383 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008714.D
Acq: 16 Feb 2019 06:10

Tgt Ion: 43 Resp: 22934
Ion Ratio Lower Upper
43 100
58 23.7 24.1 36.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008714.D

Acq: 16 Feb 2019 06:10

Instrument :

MSVOA_W

ClientSampled :

M-13-S

Tgt Ion: 84 Resp: 5227

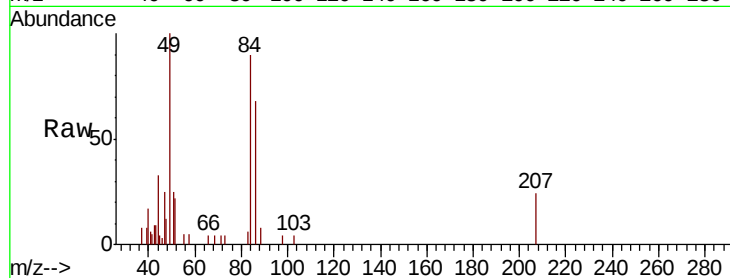
Ion Ratio Lower Upper

84 100

49 100.1 113.3 169.9#

51 52.0 32.1 48.1#

86 75.2 50.9 76.3

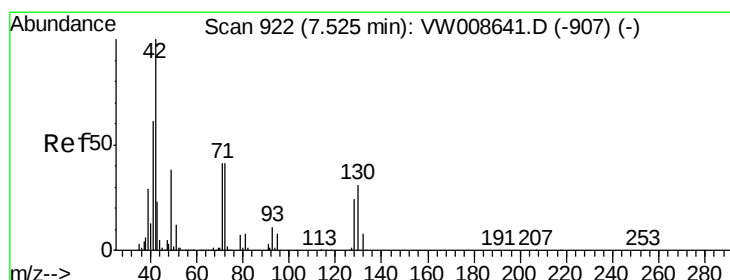
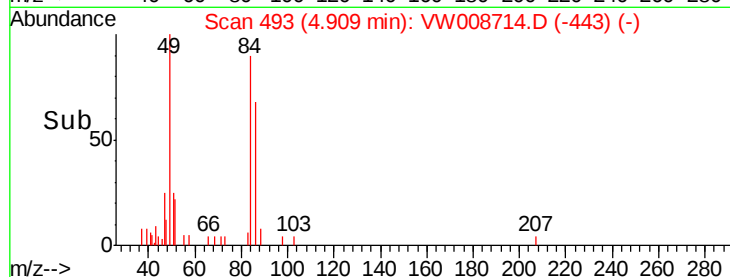
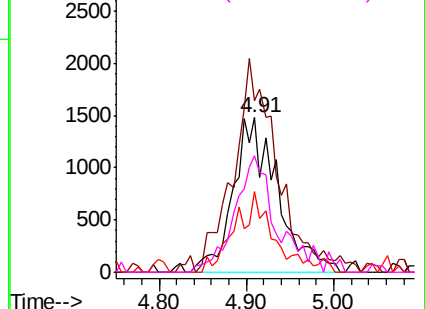


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 2.293 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008714.D

Acq: 16 Feb 2019 06:10

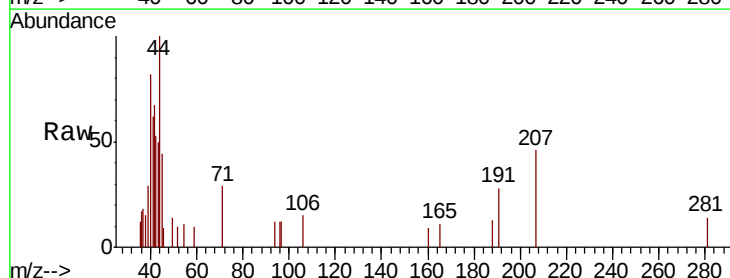
Tgt Ion: 42 Resp: 1787

Ion Ratio Lower Upper

42 100

72 14.7 32.2 48.2#

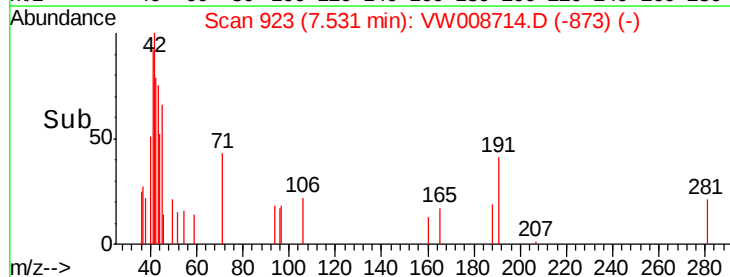
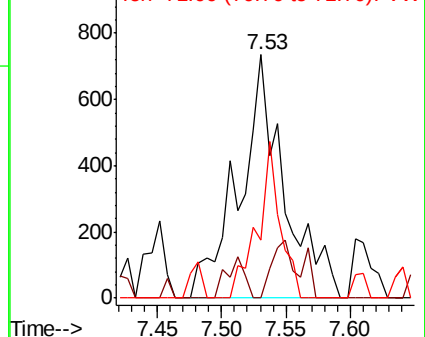
71 32.0 31.0 46.6

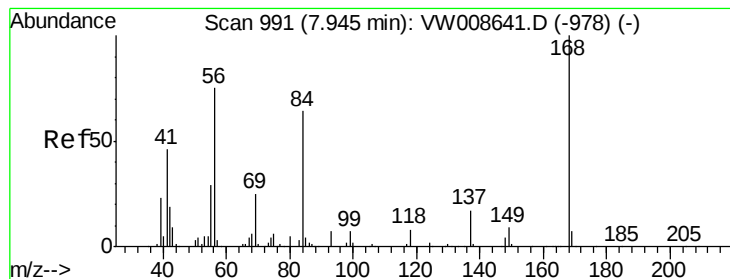


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008714.D

Acq: 16 Feb 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

M-13-S

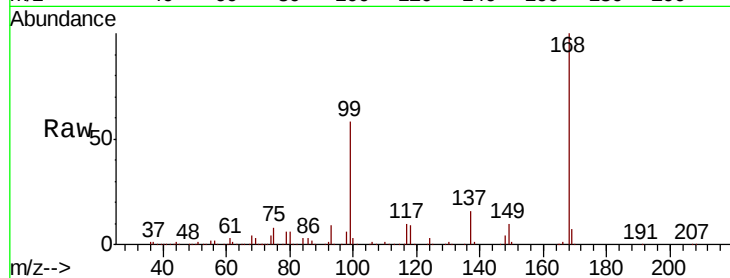
Tgt Ion: 56 Resp: 7368

Ion Ratio Lower Upper

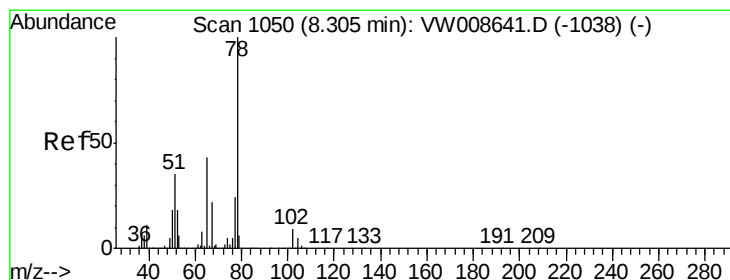
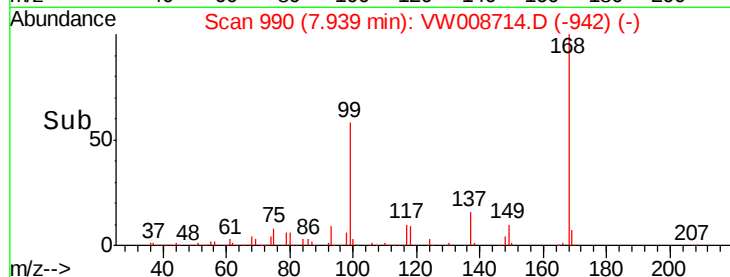
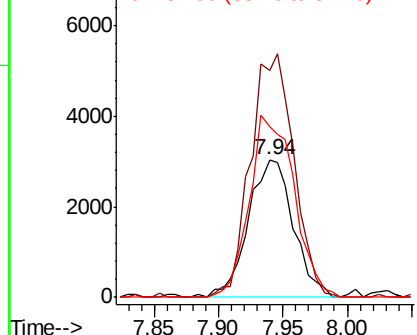
56 100

69 164.1 26.4 39.6#

84 124.1 67.4 101.2#



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: 52.576 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008714.D

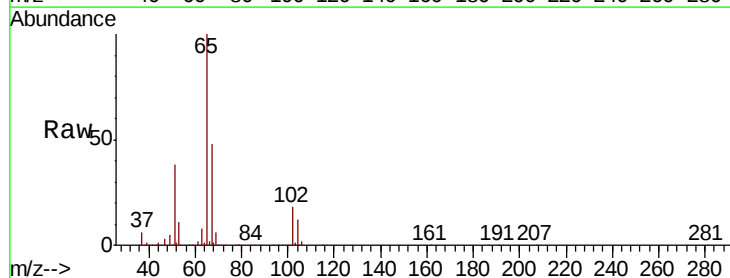
Acq: 16 Feb 2019 06:10

Tgt Ion: 65 Resp: 193506

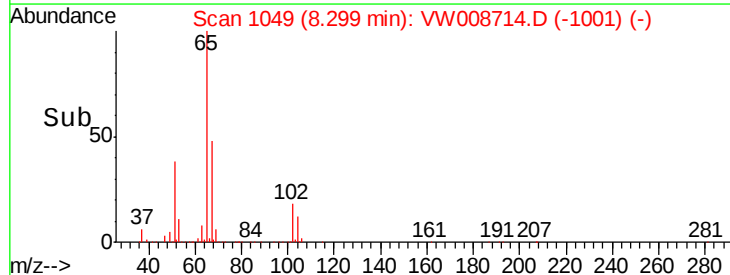
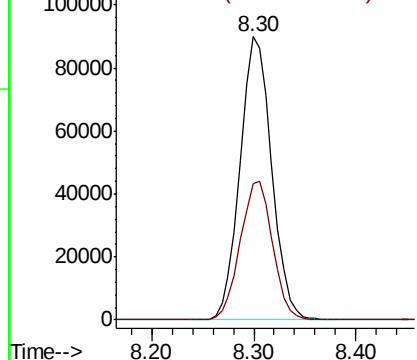
Ion Ratio Lower Upper

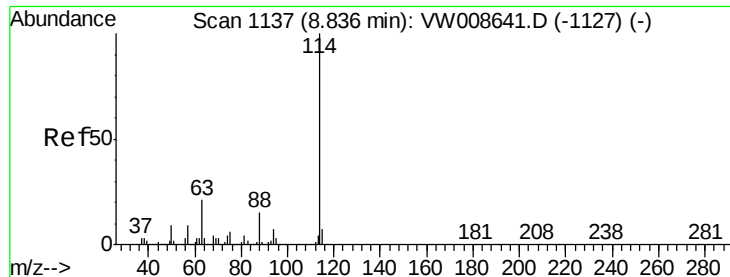
65 100

67 50.1 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

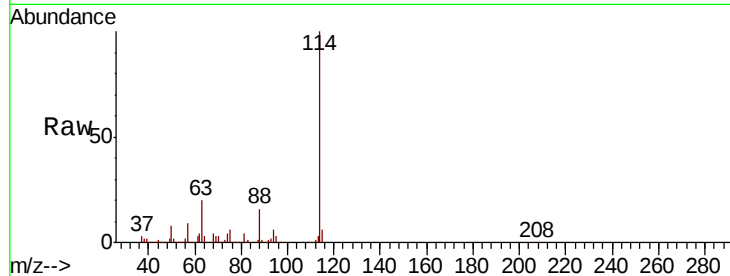




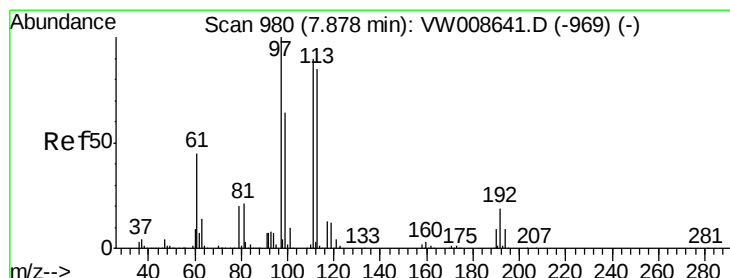
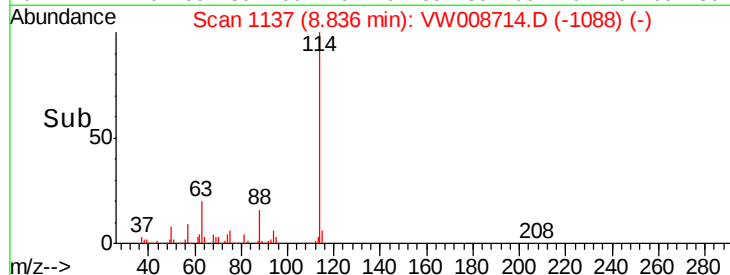
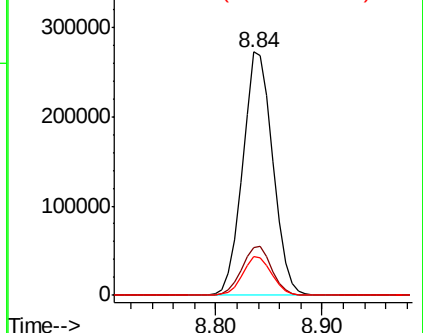
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VW008714.D
 Acq: 16 Feb 2019 06:10

Instrument :
 MSVOA_W
 ClientSampleId :
 M-13-S

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.2
88	15.8	0.0	29.6

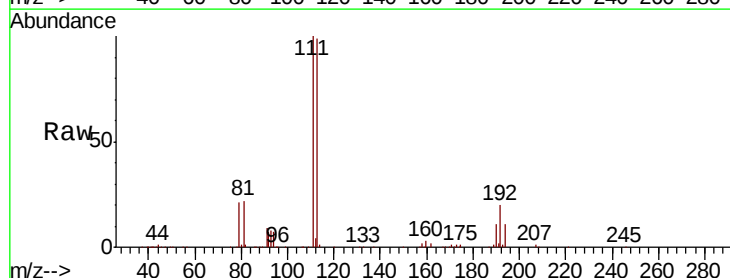


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

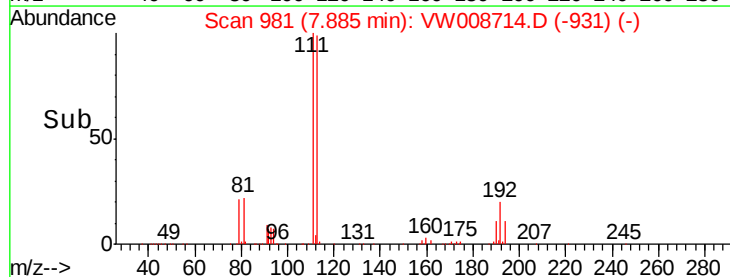
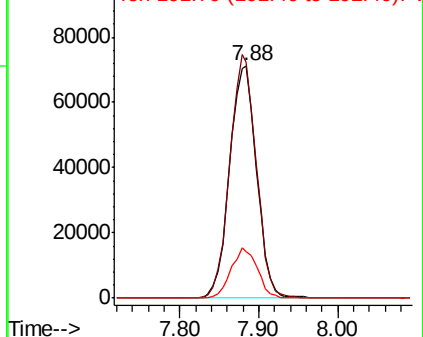


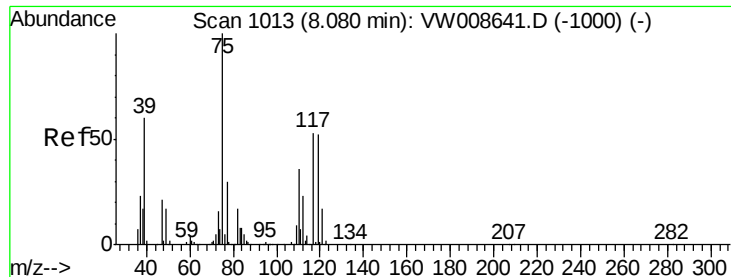
#35
 Dibromofluoromethane
 Concen: 50.505 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008714.D
 Acq: 16 Feb 2019 06:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	84.0	126.0
192	21.0	17.4	26.2



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

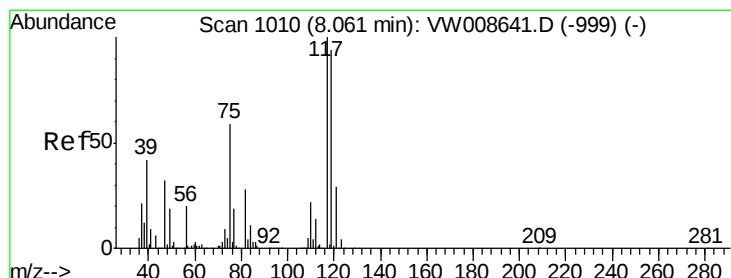
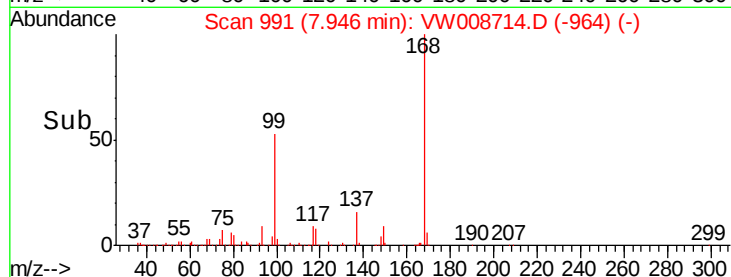
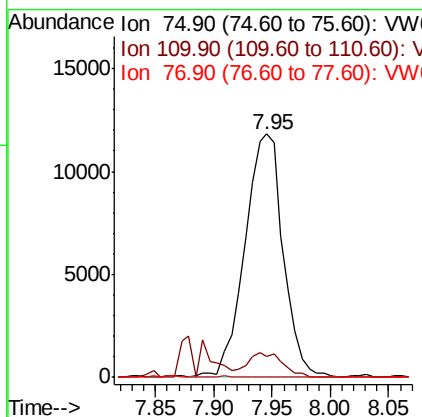
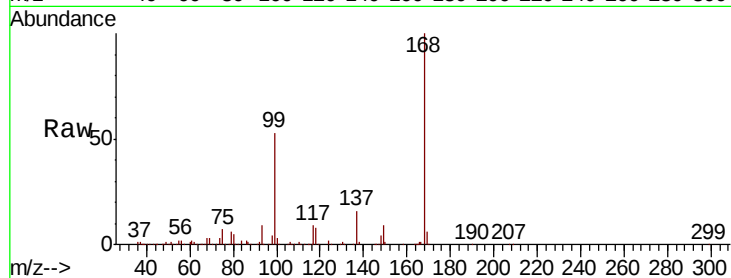




#36
 1,1-Dichloropropene
 Concen: 4.985 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008714.D
 Acq: 16 Feb 2019 06:10

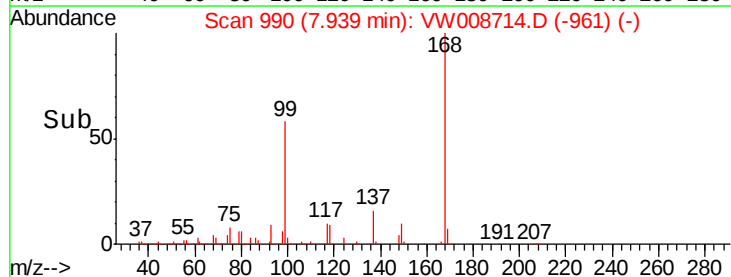
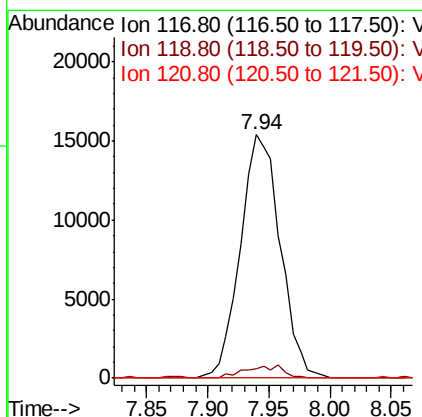
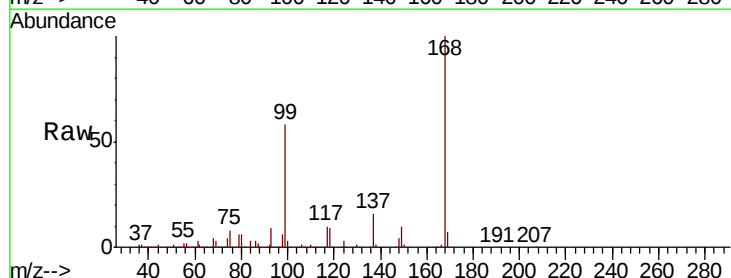
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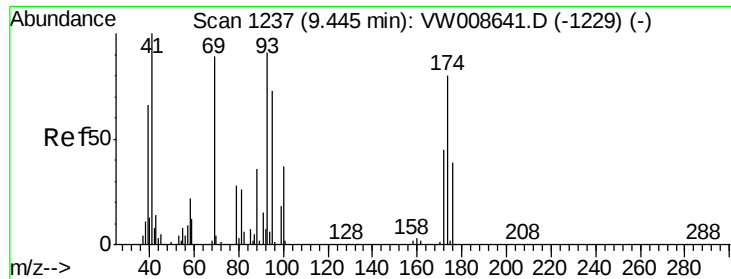
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.8	53.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.460 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.12 min
 Lab File: VW008714.D
 Acq: 16 Feb 2019 06:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.1	112.7#
121	0.0	23.5	35.3#

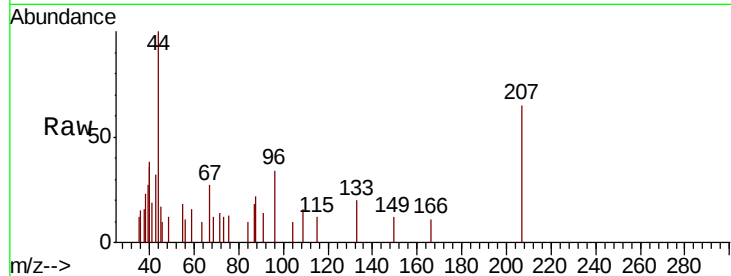




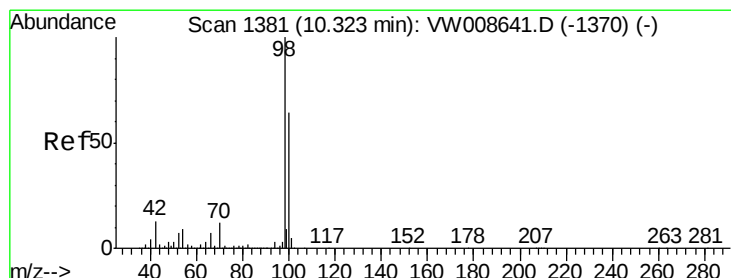
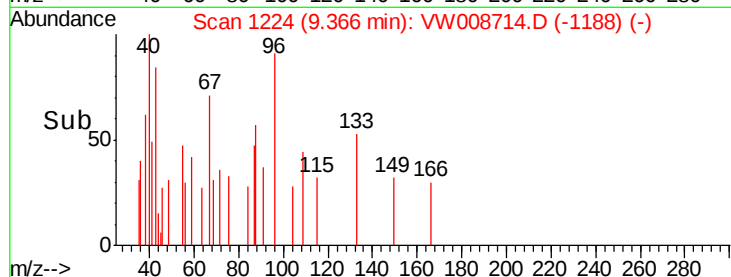
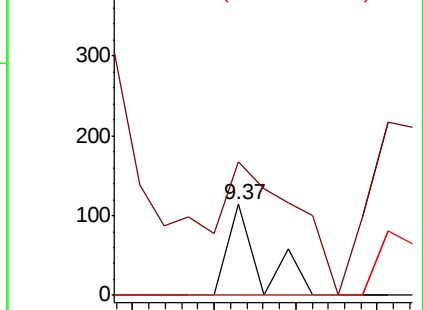
#49
1,4-Dioxane
Concen: 1.951 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. -0.08 min
Lab File: VW008714.D
Acq: 16 Feb 2019 06:10

Instrument :
MSVOA_W
ClientSampleId :
M-13-S

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 300.0 31.0 46.6#
58 0.0 57.0 85.6#

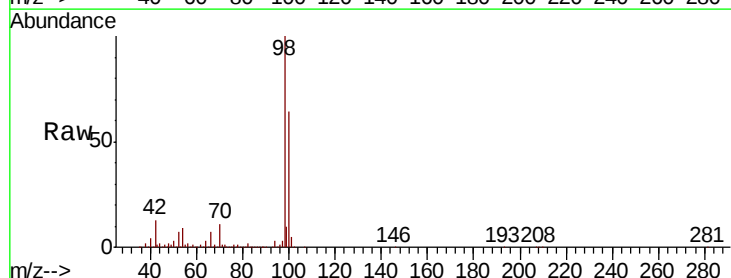


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

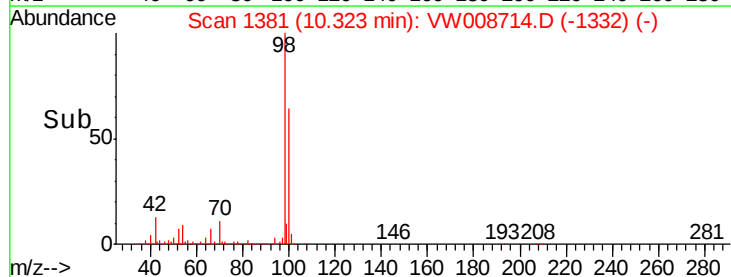
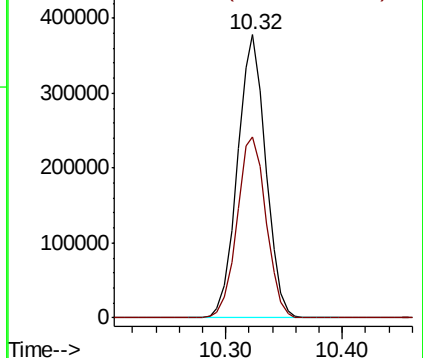


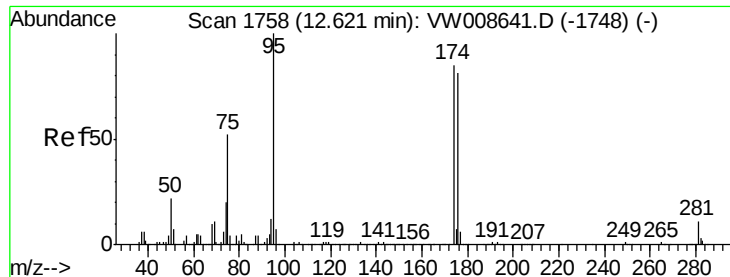
#50
Toluene-d8
Concen: 49.467 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008714.D
Acq: 16 Feb 2019 06:10

Tgt Ion: 98 Resp: 640224
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

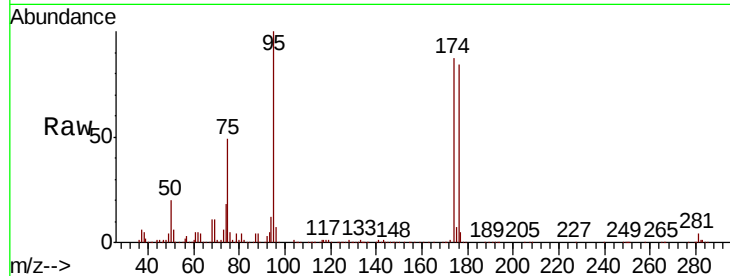




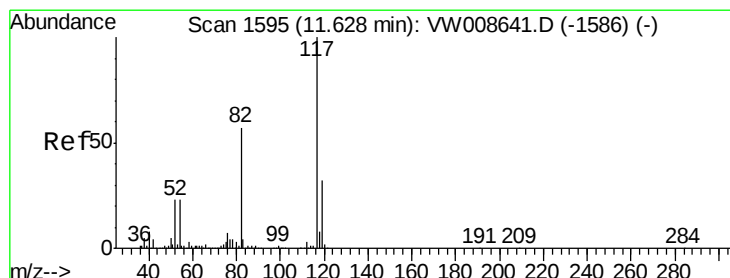
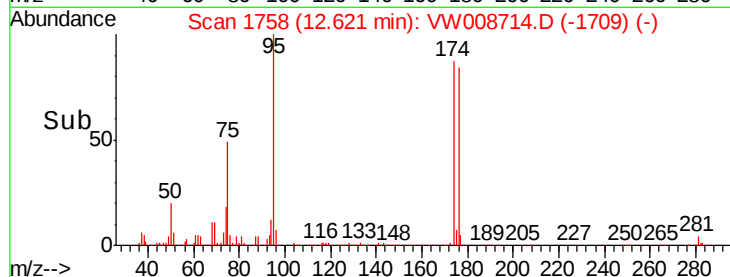
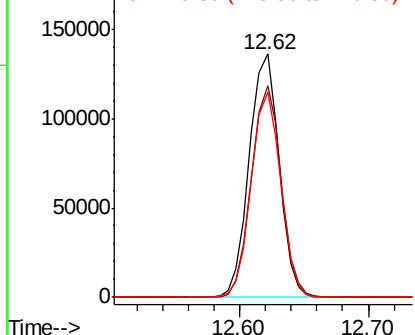
#62
4-Bromofluorobenzene
Concen: 44.618 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008714.D
Acq: 16 Feb 2019 06:10

Instrument :
MSVOA_W
ClientSampleId :
M-13-S

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	163.2
176	83.7	0.0	158.0

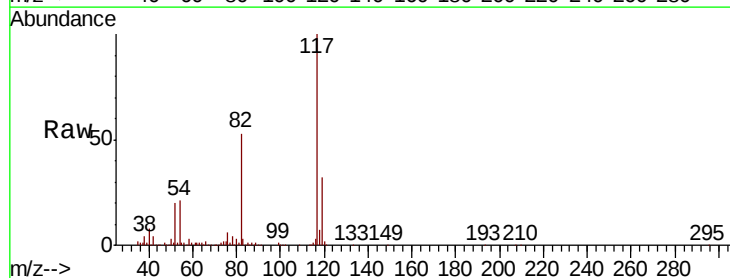


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

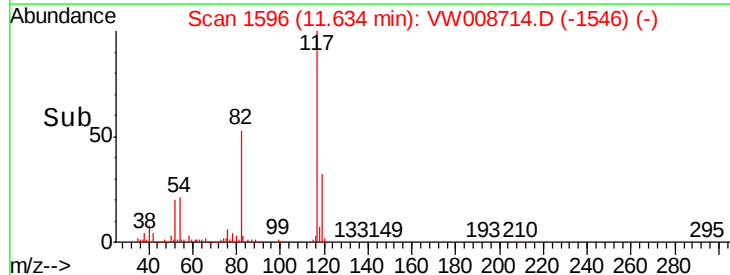
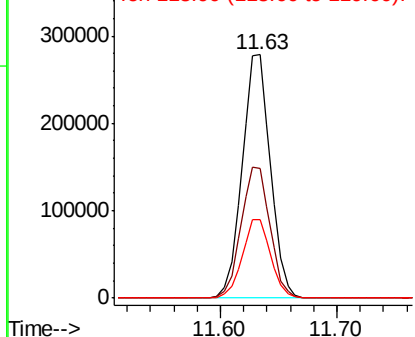


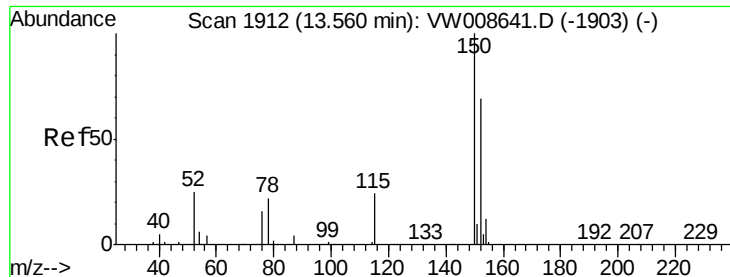
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008714.D
Acq: 16 Feb 2019 06:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.6	68.4
119	32.4	25.7	38.5



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: VW008714.D

Acq: 16 Feb 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

M-13-S

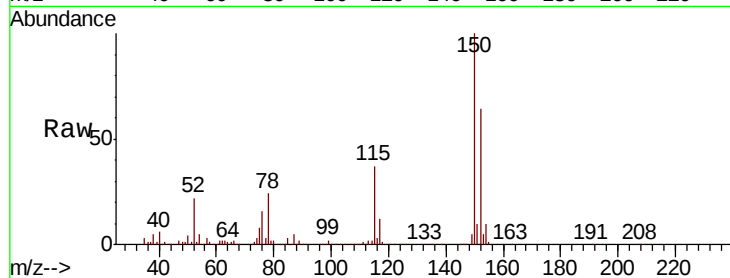
Tgt Ion: 152 Resp: 231139

Ion Ratio Lower Upper

152 100

115 56.9 29.3 87.8

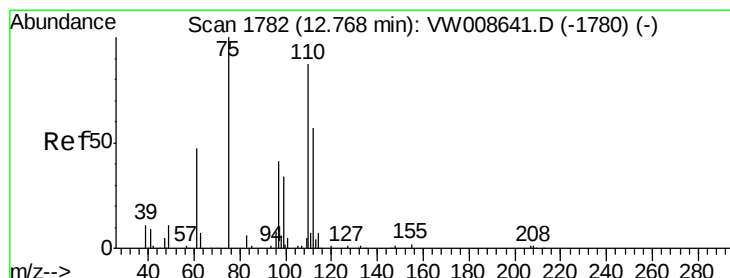
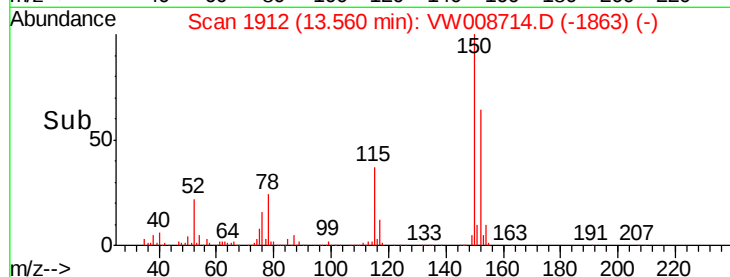
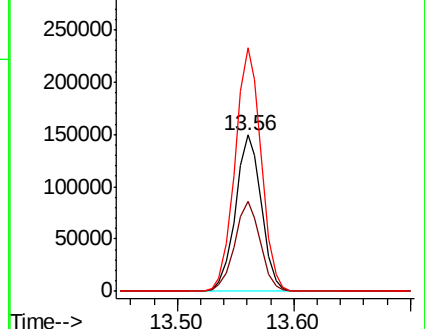
150 156.7 0.0 352.8



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: 50.042 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008714.D

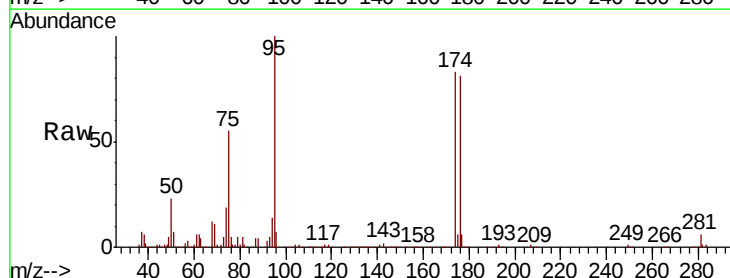
Acq: 16 Feb 2019 06:10

Tgt Ion: 75 Resp: 114215

Ion Ratio Lower Upper

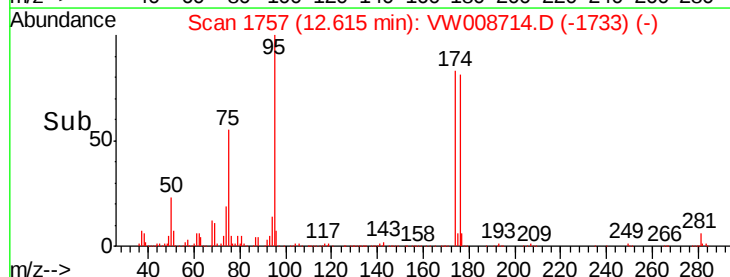
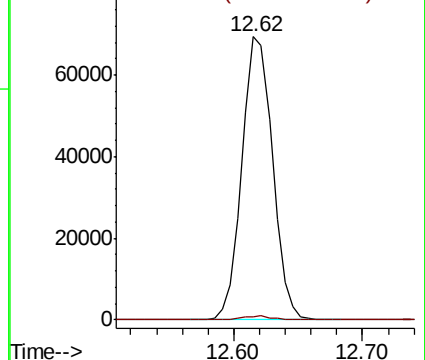
75 100

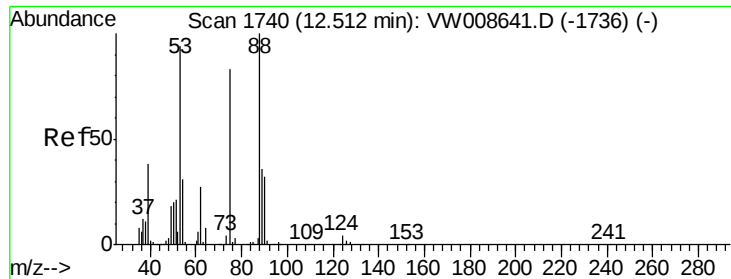
77 1.5 0.0 0.0#



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: 107.292 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008714.D

Acq: 16 Feb 2019 06:10

Instrument :

MSVOA_W

ClientSampleId :

M-13-S

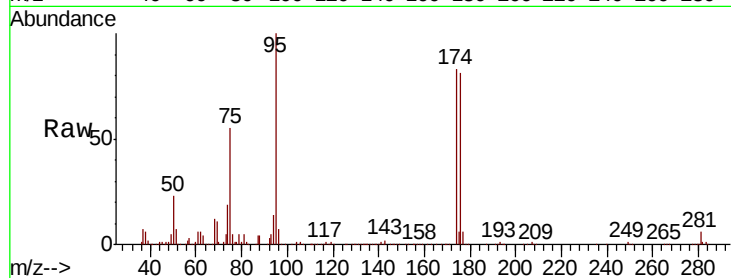
Tgt Ion: 75 Resp: 114215

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.1 37.0 55.4#



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

