

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012278.D
 Acq On : 29 Aug 2019 03:19
 Operator : SY/VA
 Sample : K4567-14
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8-S2

Quant Time: Aug 29 06:53:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133964	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	154913	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	7.88	113	125455	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	10.32	98	496267	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.62	95	156873	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

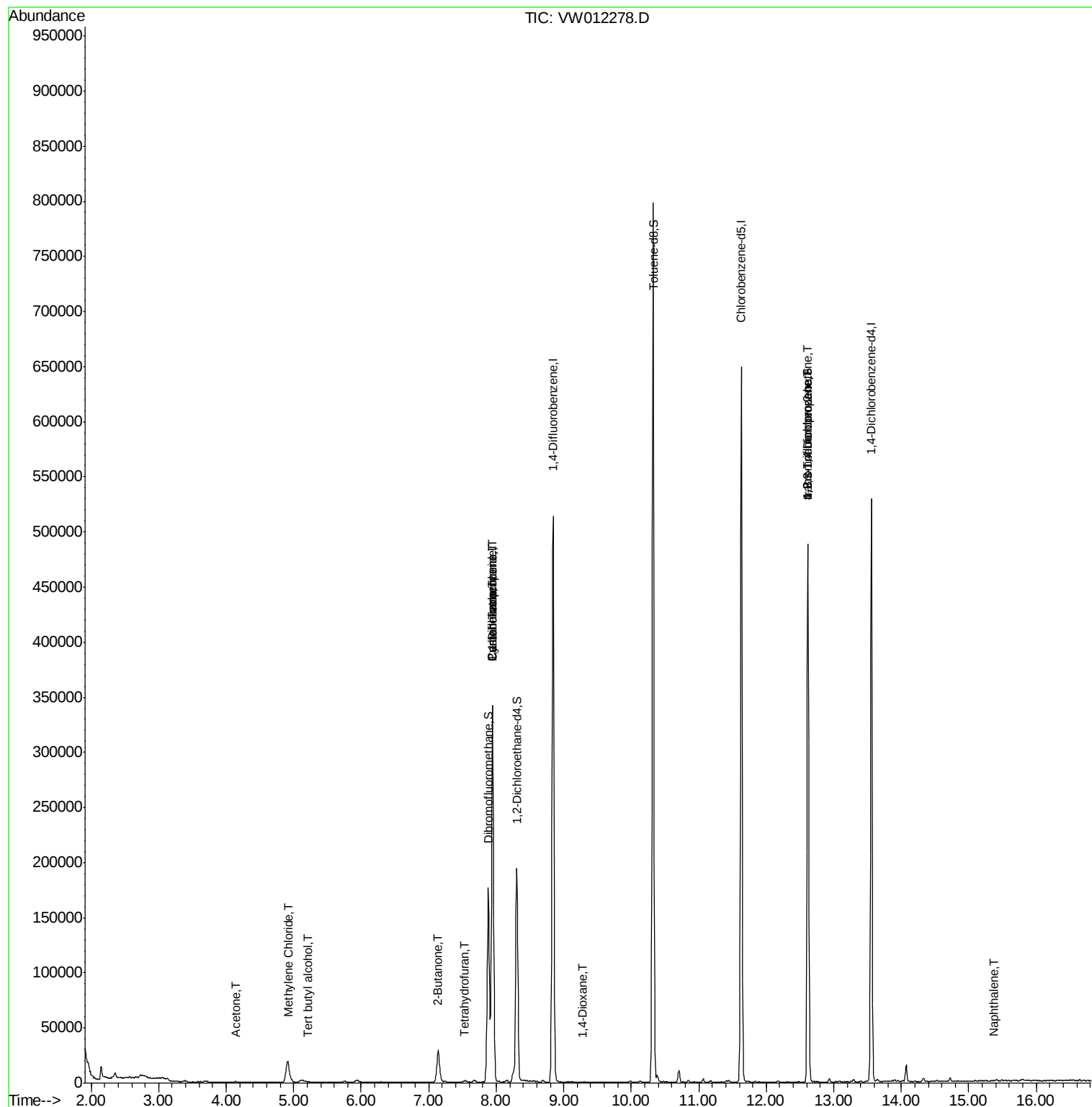
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	277	1.589	ug/l #	90
16) Acetone	4.14	43	849	1.147	ug/l	95
20) Methylene Chloride	4.92	84	14109	5.040	ug/l	95
25) 2-Butanone	7.15	43	1974	1.962	ug/l #	75
29) Tetrahydrofuran	7.54	42	1446	2.395	ug/l	97
31) Cyclohexane	7.95	56	6043	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21307	5.020	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25162	6.849	ug/l #	15
49) 1,4-Dioxane	9.28	88	22	1.036	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83900	64.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83900	140.992	ug/l #	6
95) Naphthalene	15.37	128	497	4.411	ug/l #	81

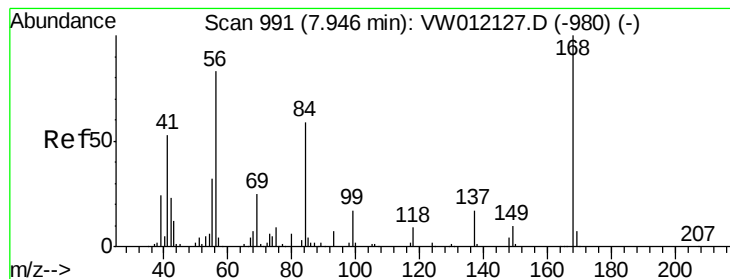
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012278.D

Acq: 29 Aug 2019 03:19

Instrument :

MSVOA_W

ClientSampleId :

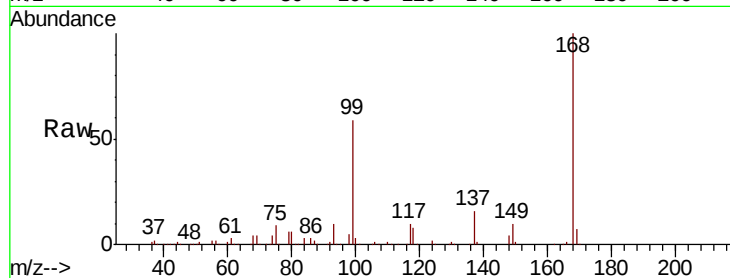
TP-8-S2

Tgt Ion:168 Resp: 243671

Ion Ratio Lower Upper

168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

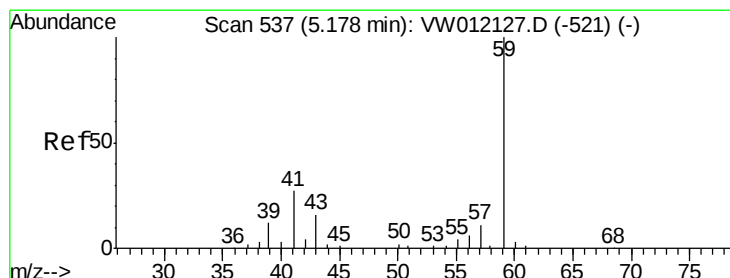
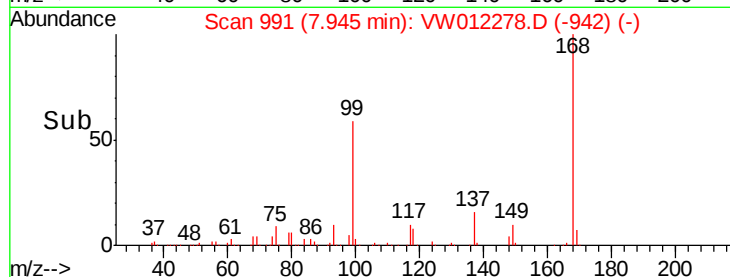
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.589 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW012278.D

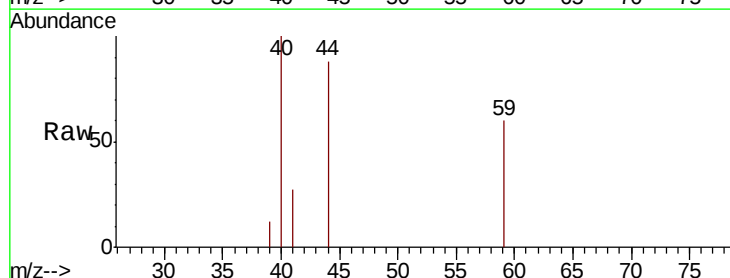
Acq: 29 Aug 2019 03:19

Tgt Ion: 59 Resp: 277

Ion Ratio Lower Upper

59 100

57 7.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

300

250

200

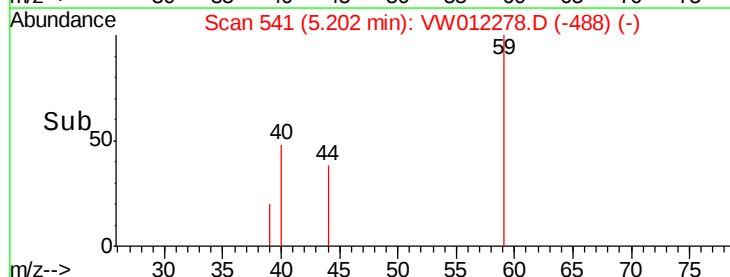
150

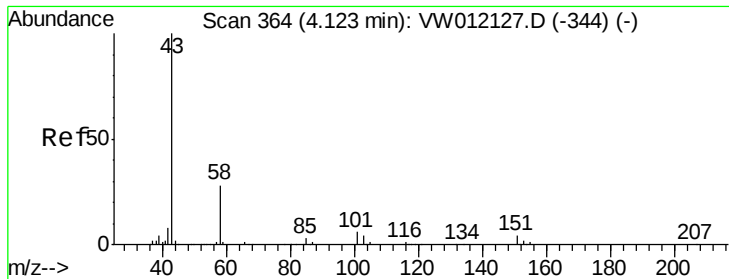
100

50

0

Time--> 5.15 5.20

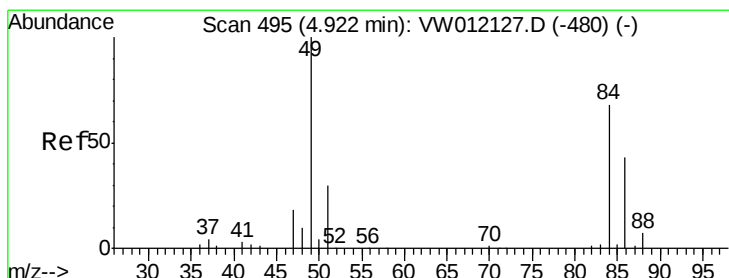
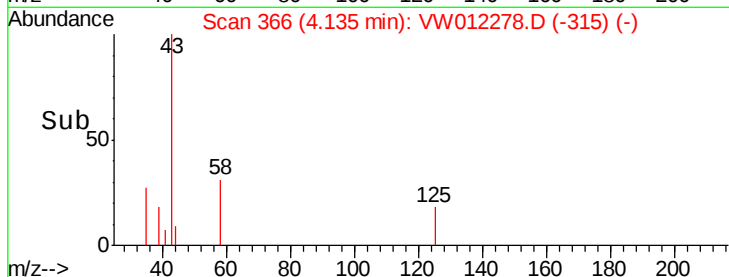
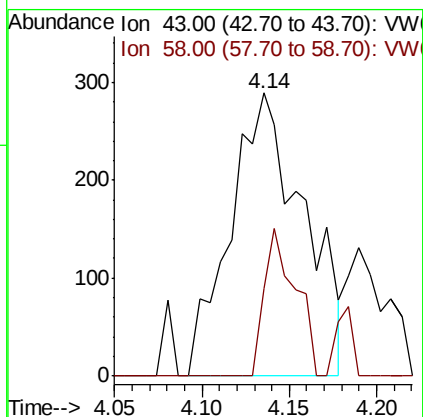
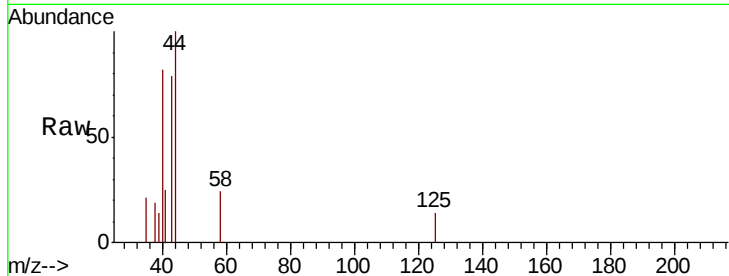




#16
Acetone
Concen: 1.147 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012278.D
Acq: 29 Aug 2019 03:19

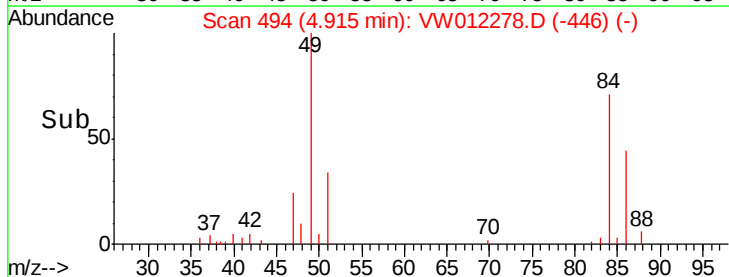
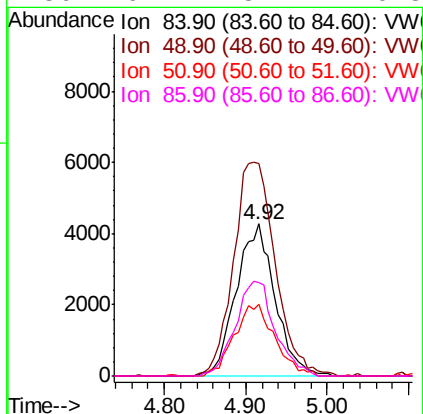
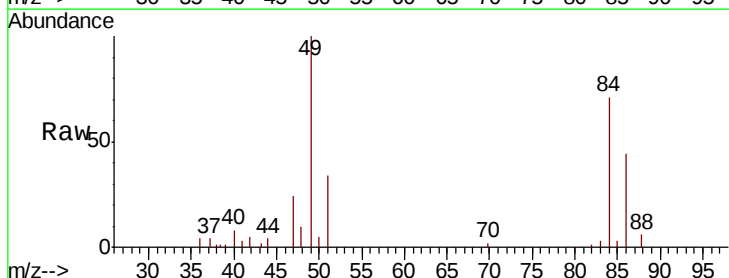
Instrument :
MSVOA_W
ClientSampled :
TP-8-S2

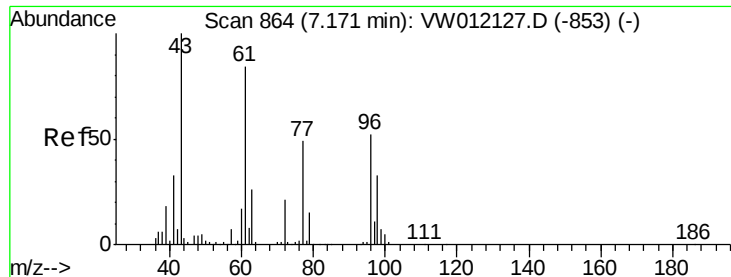
Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 30.8 22.4 33.6



#20
Methylene Chloride
Concen: 5.040 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012278.D
Acq: 29 Aug 2019 03:19

Tgt Ion: 84 Resp: 14109
Ion Ratio Lower Upper
84 100
49 140.2 117.8 176.8
51 47.3 35.6 53.4
86 61.4 51.2 76.8





#25

2-Butanone

Concen: 1.962 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

Instrument :

MSVOA_W

ClientSampleId :

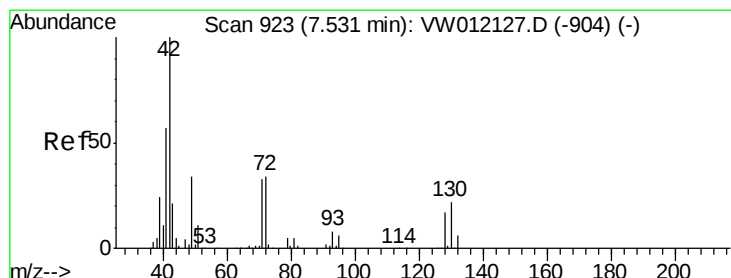
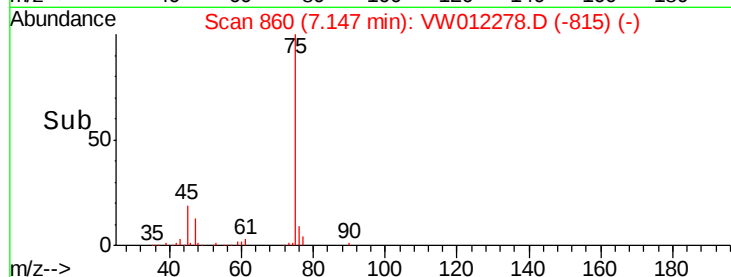
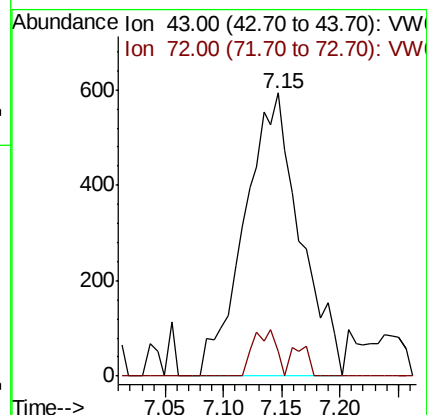
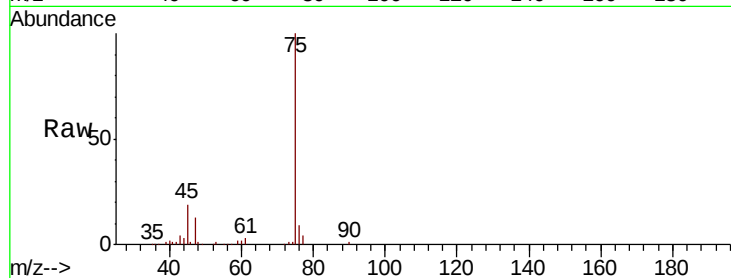
TP-8-S2

Tgt Ion: 43 Resp: 1974

Ion Ratio Lower Upper

43 100

72 8.9 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.395 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

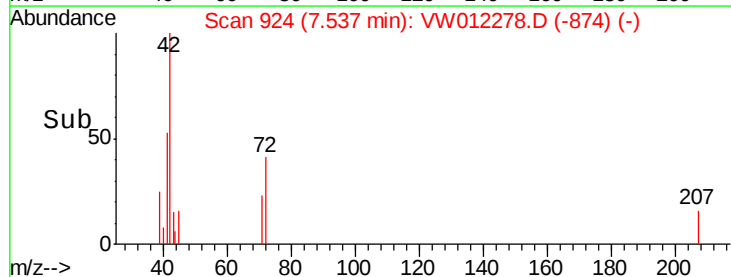
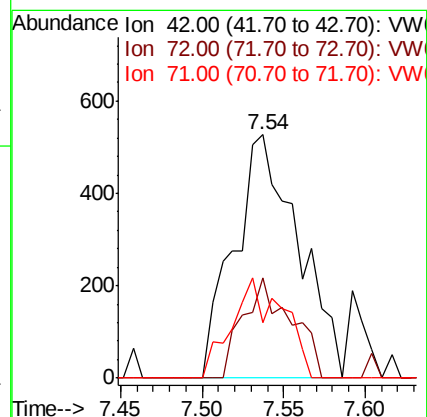
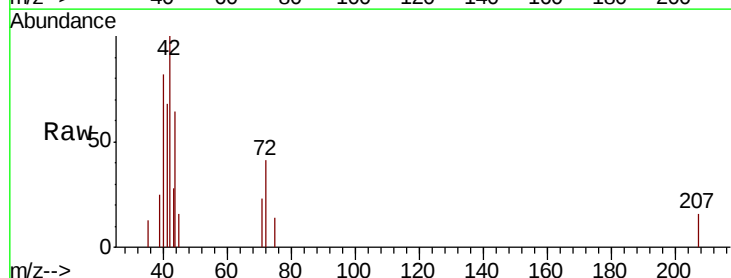
Tgt Ion: 42 Resp: 1446

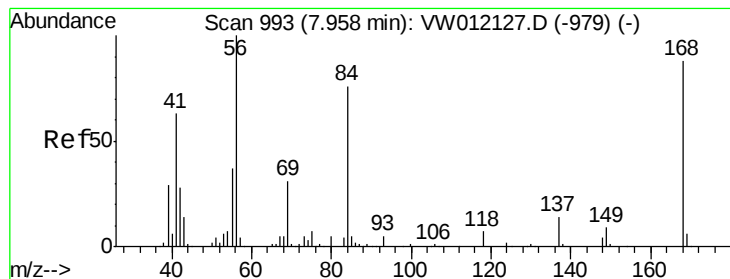
Ion Ratio Lower Upper

42 100

72 31.0 27.3 40.9

71 32.6 25.5 38.3





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

Instrument :

MSVOA_W

ClientSampleId :

TP-8-S2

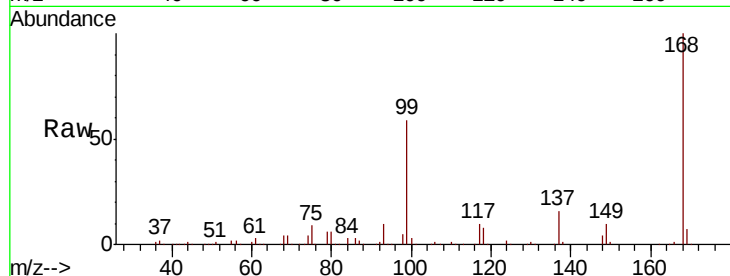
Tgt Ion: 56 Resp: 6043

Ion Ratio Lower Upper

56 100

69 177.2 24.9 37.3#

84 135.1 60.6 90.8#

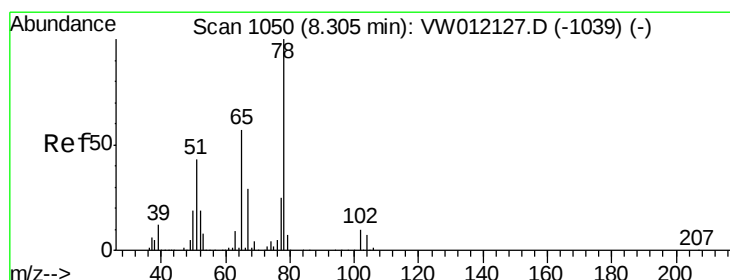
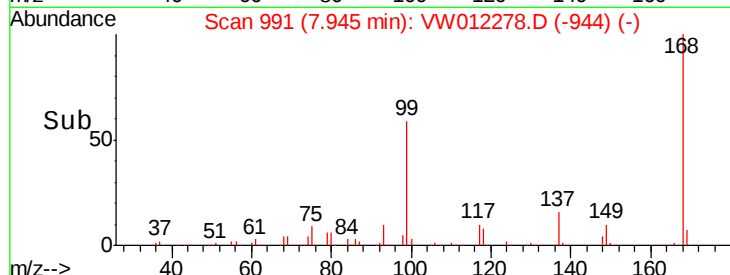
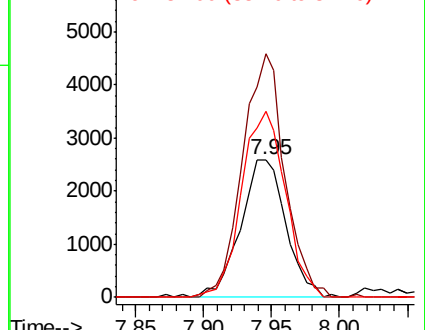


Abundance

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: 53.480 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012278.D

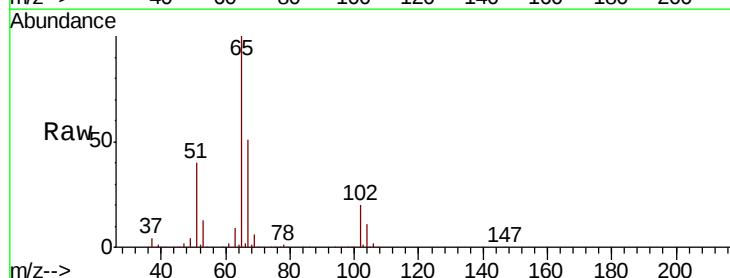
Acq: 29 Aug 2019 03:19

Tgt Ion: 65 Resp: 154913

Ion Ratio Lower Upper

65 100

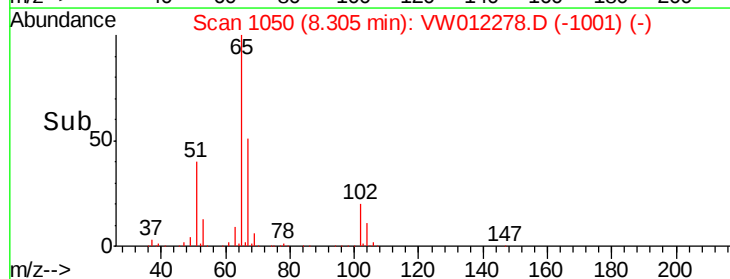
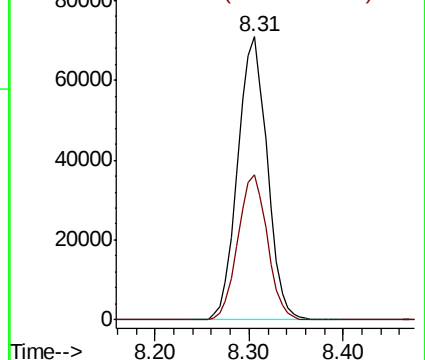
67 51.5 0.0 102.6

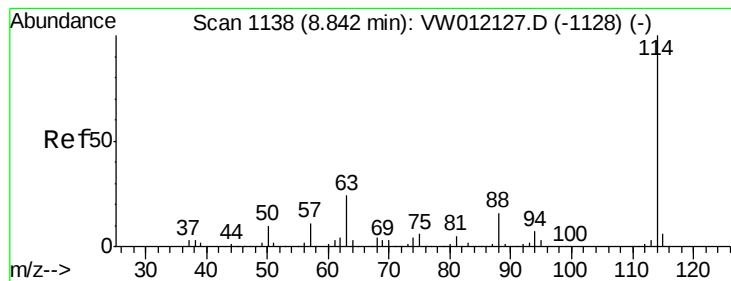


Abundance

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: VW012278.D

Acq: 29 Aug 2019 03:19

Instrument :

MSVOA_W

ClientSampled :

TP-8-S2

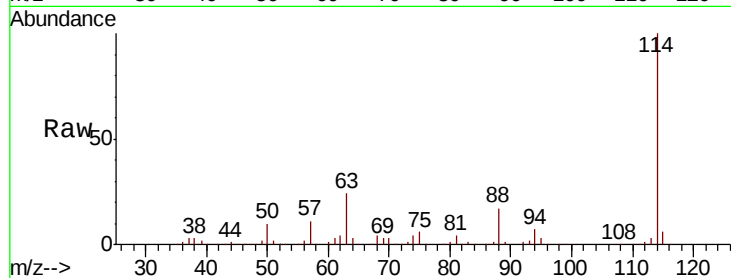
Tgt Ion:114 Resp: 410730

Ion Ratio Lower Upper

114 100

63 23.9 0.0 48.6

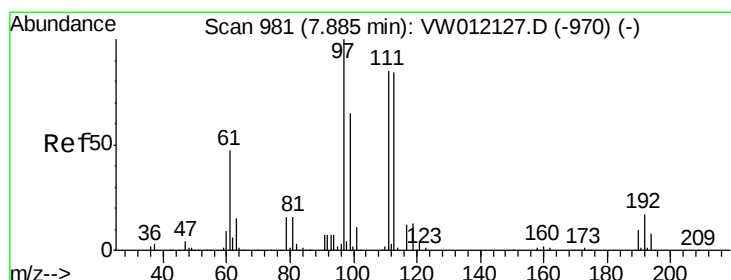
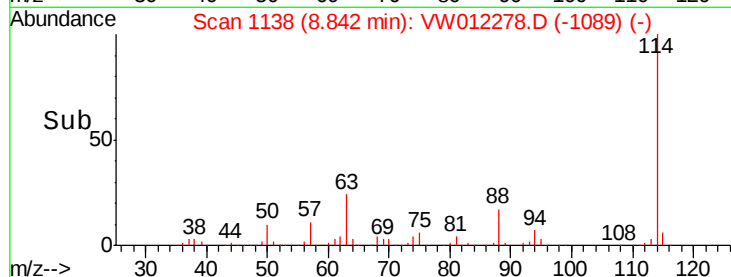
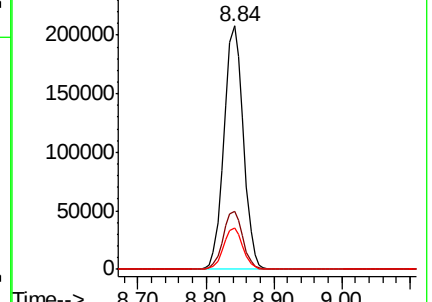
88 17.1 0.0 32.2



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: 51.171 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

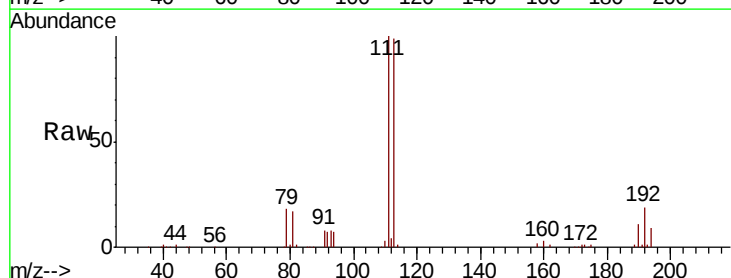
Tgt Ion:113 Resp: 125455

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

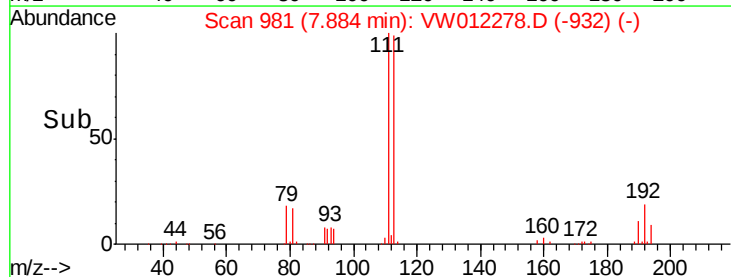
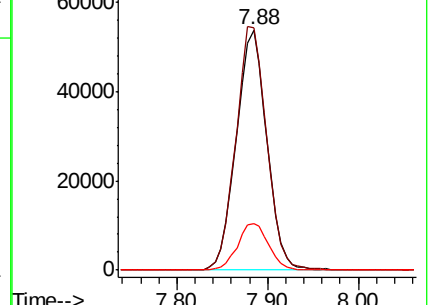
192 19.8 16.2 24.2

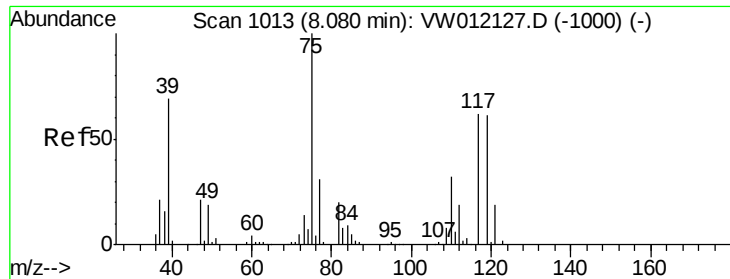


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

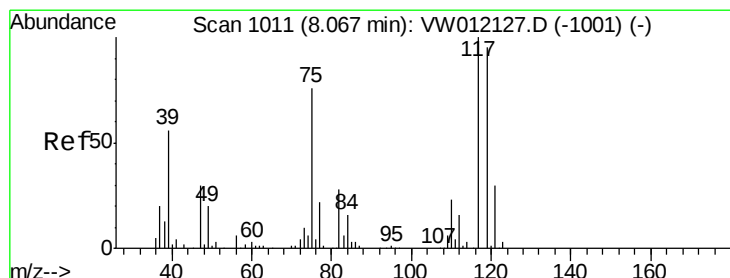
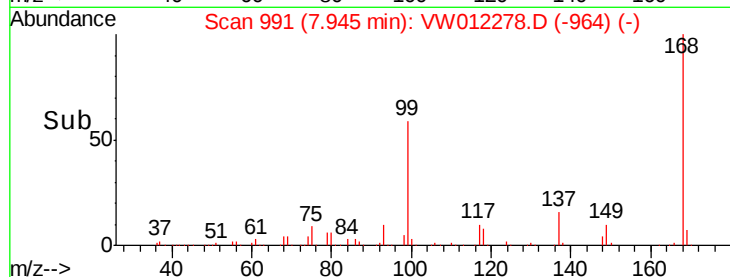
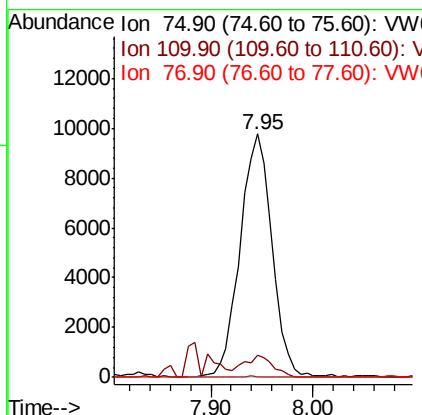
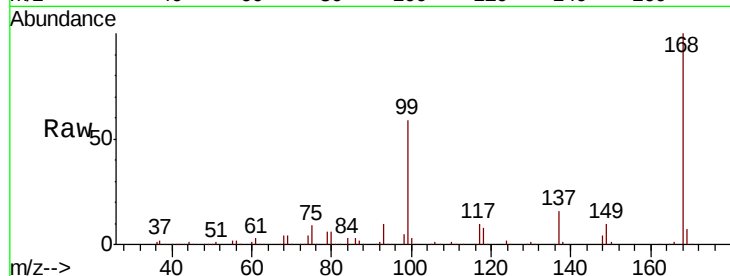




#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012278.D
 Acq: 29 Aug 2019 03:19

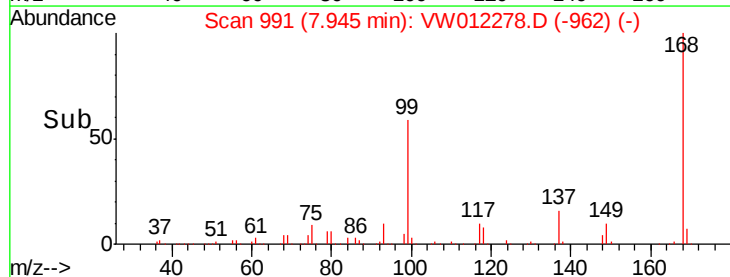
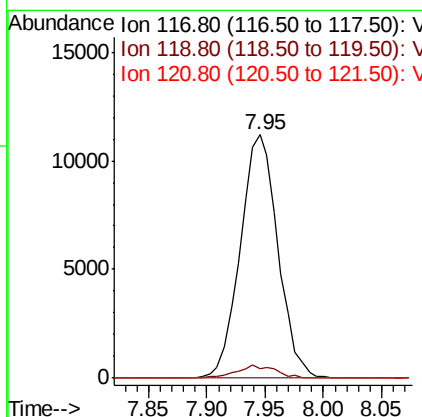
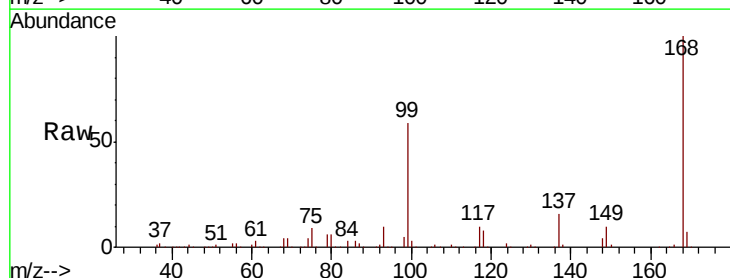
Instrument :
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 TP-8-S2

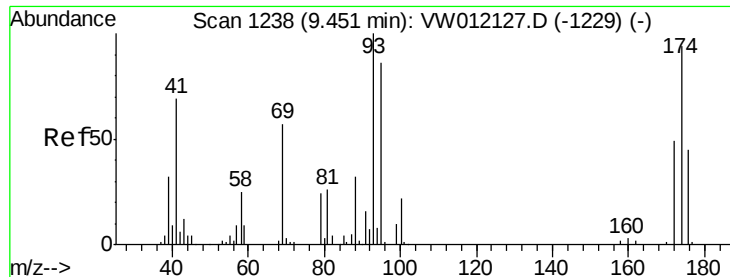
Tgt Ion: 75 Resp: 21307
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.849 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012278.D
 Acq: 29 Aug 2019 03:19

Tgt Ion: 117 Resp: 25162
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.036 ug/l

RT: 9.28 min Scan# 1210

Delta R.T. -0.17 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

Instrument :

MSVOA_W

ClientSampled :

TP-8-S2

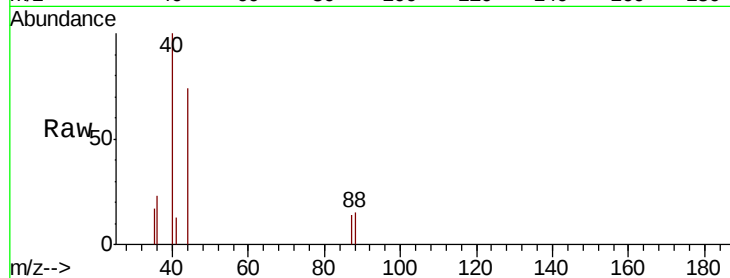
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 295.5 32.9 49.3#

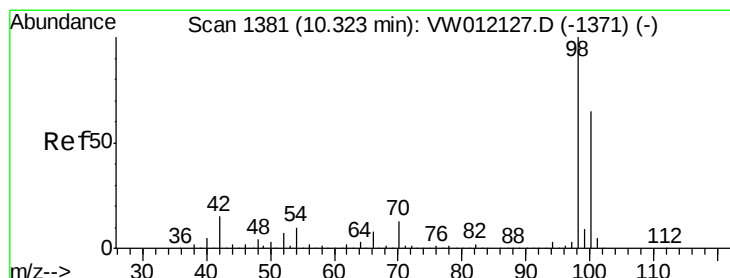
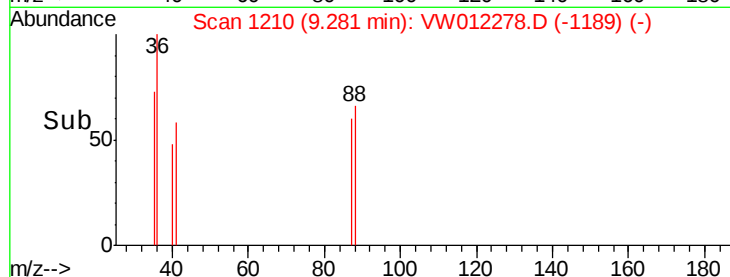
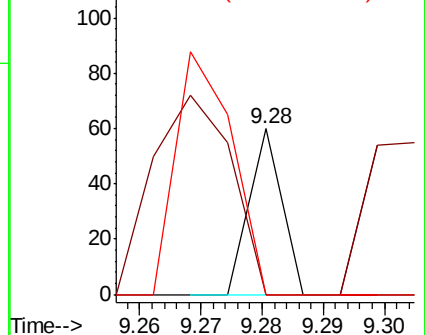
58 254.5 71.0 106.4#



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: 49.922 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012278.D

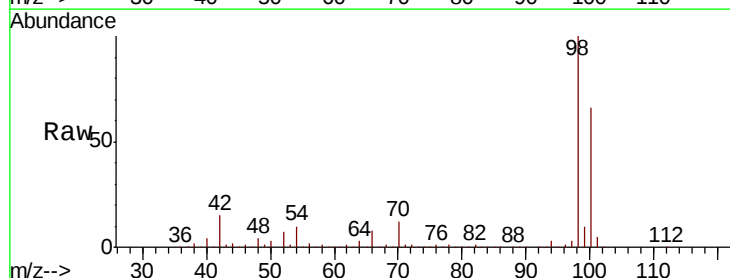
Acq: 29 Aug 2019 03:19

Tgt Ion: 98 Resp: 496267

Ion Ratio Lower Upper

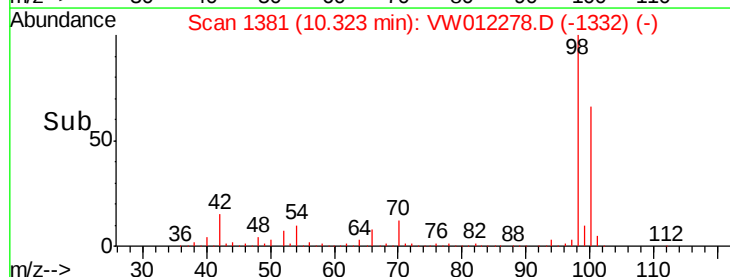
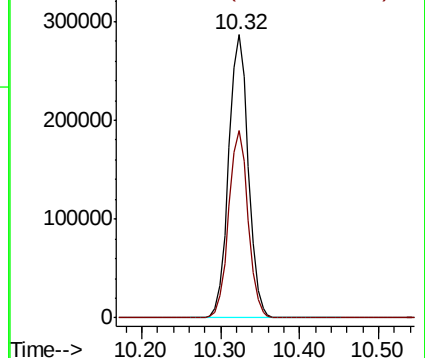
98 100

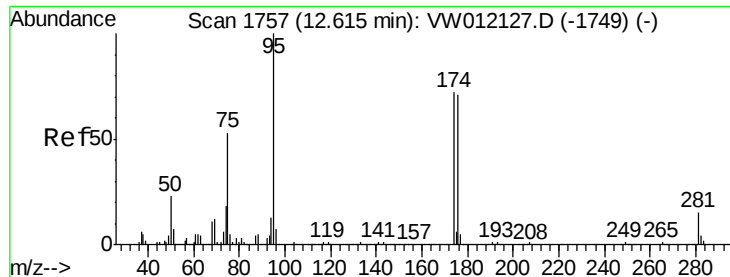
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

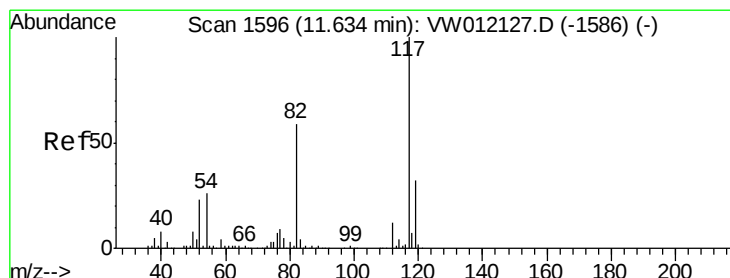
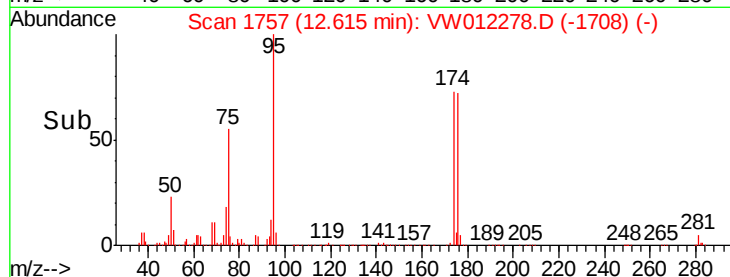
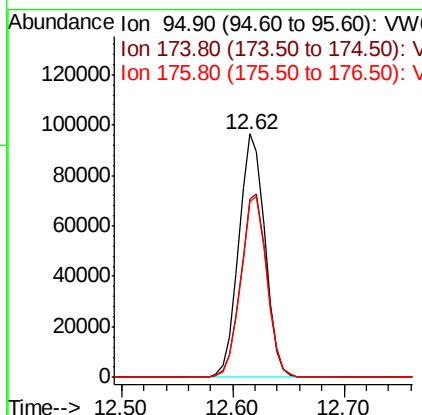
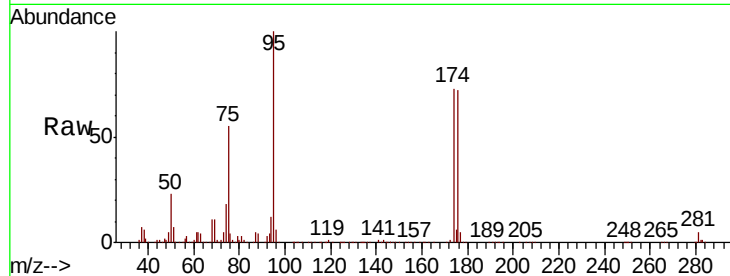




#62
4-Bromofluorobenzene
Concen: 44.768 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012278.D
Acq: 29 Aug 2019 03:19

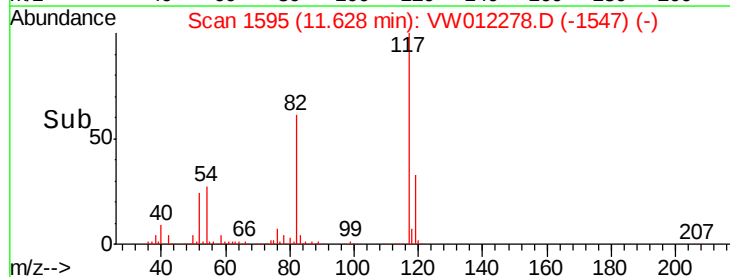
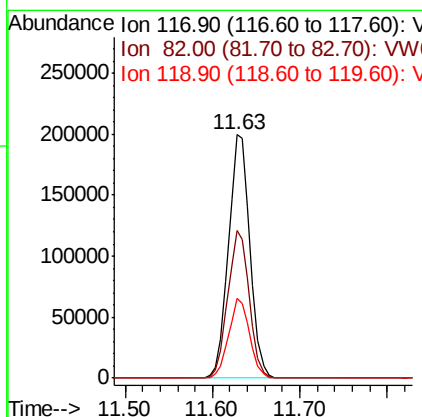
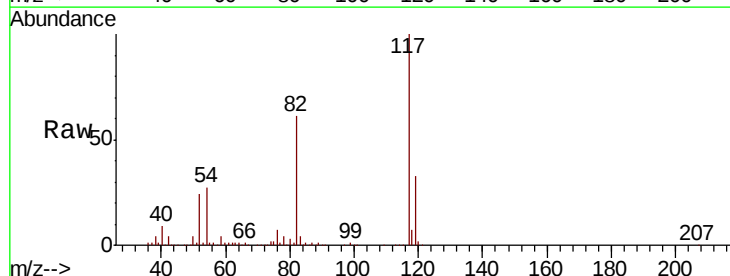
Instrument :
MSVOA_W
ClientSampleId :
TP-8-S2

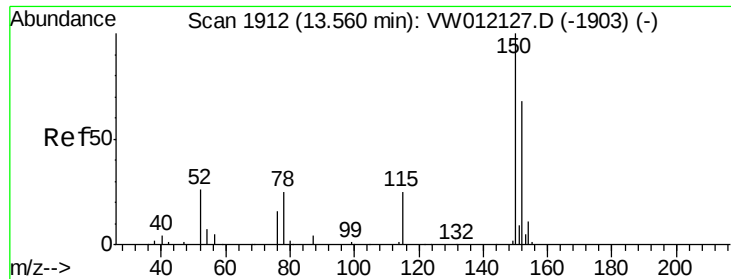
Tgt Ion: 95 Resp: 156873
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.8
176 74.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012278.D
Acq: 29 Aug 2019 03:19

Tgt Ion: 117 Resp: 339922
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 32.7 25.4 38.2



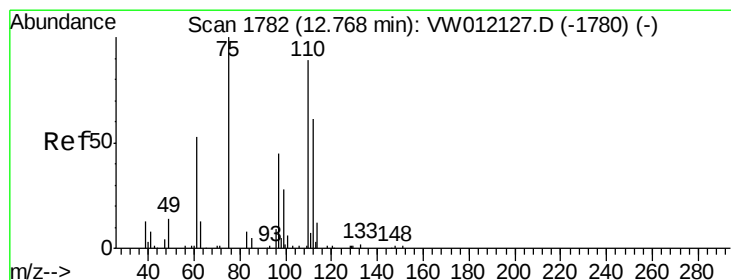
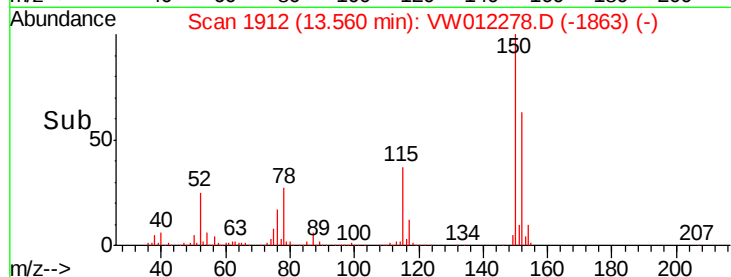
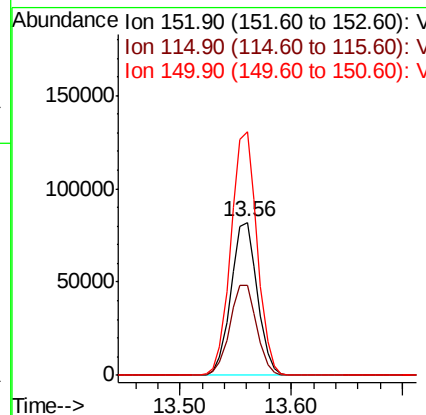
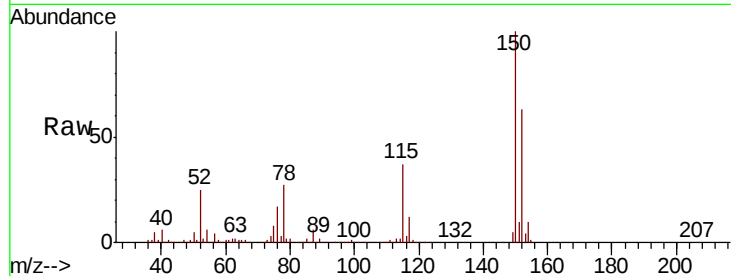


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012278.D
Acq: 29 Aug 2019 03:19

Instrument :
MSVOA_W
ClientSampleId :
TP-8-S2

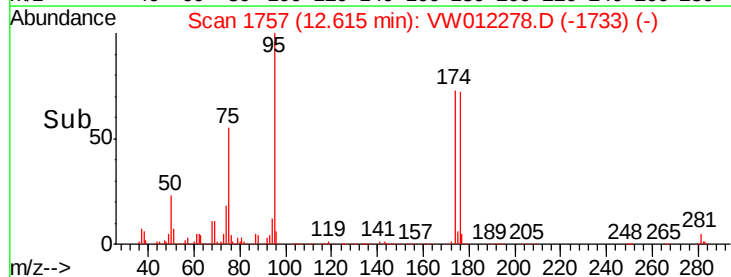
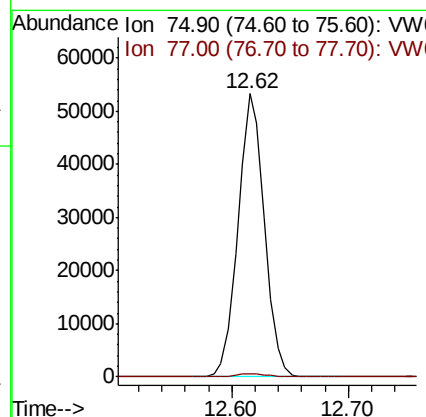
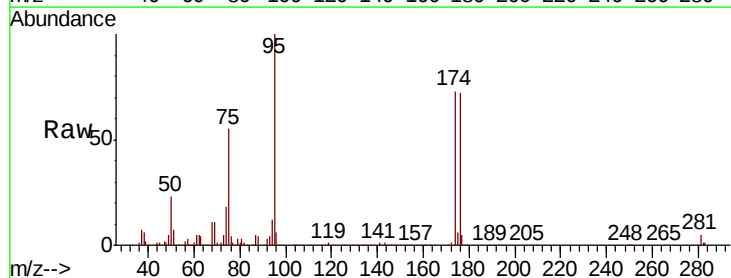
Tgt Ion:152 Resp: 133964
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 157.7 0.0 345.8

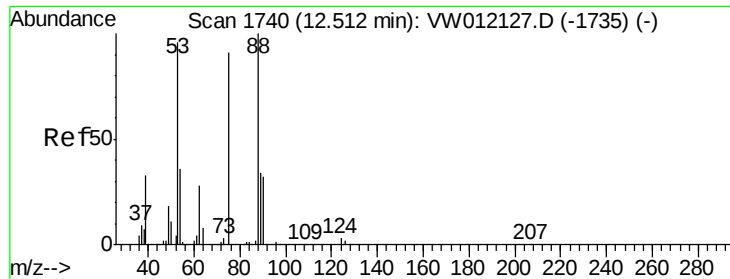


#76

1,2,3-Trichloropropane
Concen: 64.305 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012278.D
Acq: 29 Aug 2019 03:19

Tgt Ion: 75 Resp: 83900
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.992 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

Instrument :

MSVOA_W

ClientSampleId :

TP-8-S2

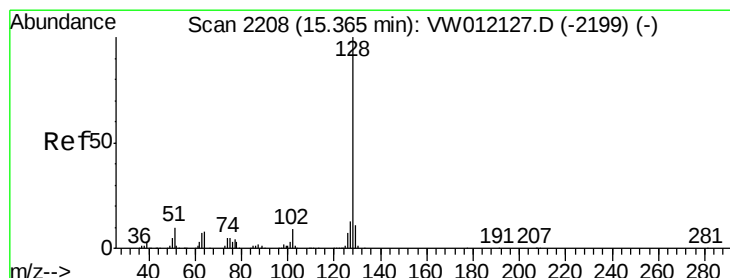
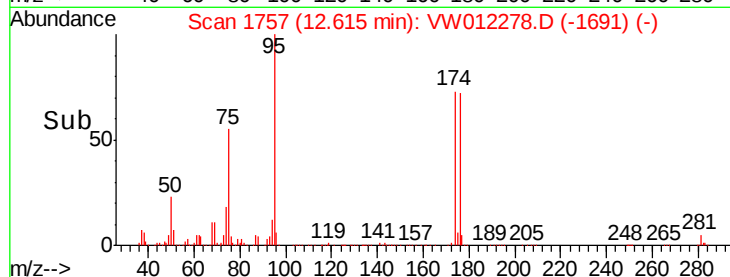
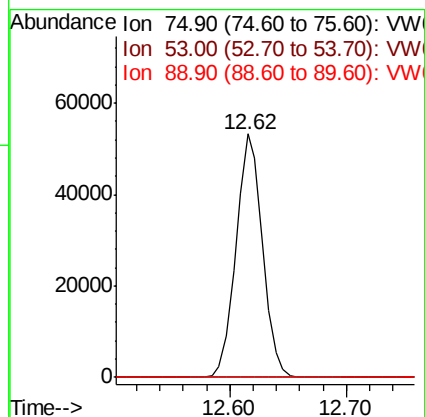
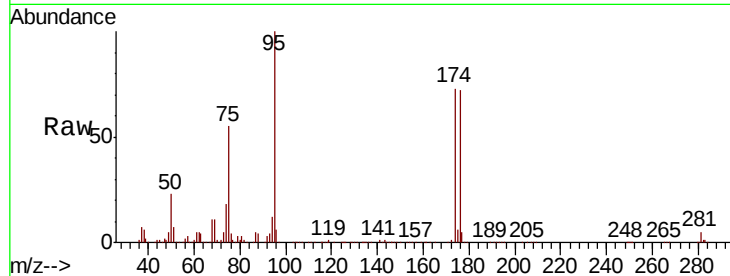
Tgt Ion: 75 Resp: 83900

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.411 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012278.D

Acq: 29 Aug 2019 03:19

Tgt Ion: 128 Resp: 497

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 10.7 8.7 13.1

