

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012277.D
 Acq On : 29 Aug 2019 02:53
 Operator : SY/VA
 Sample : K4567-09
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7-D3

Quant Time: Aug 29 06:53:03 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	264470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145520	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	166387	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	7.88	113	132222	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.32	98	541574	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.62	95	170700	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

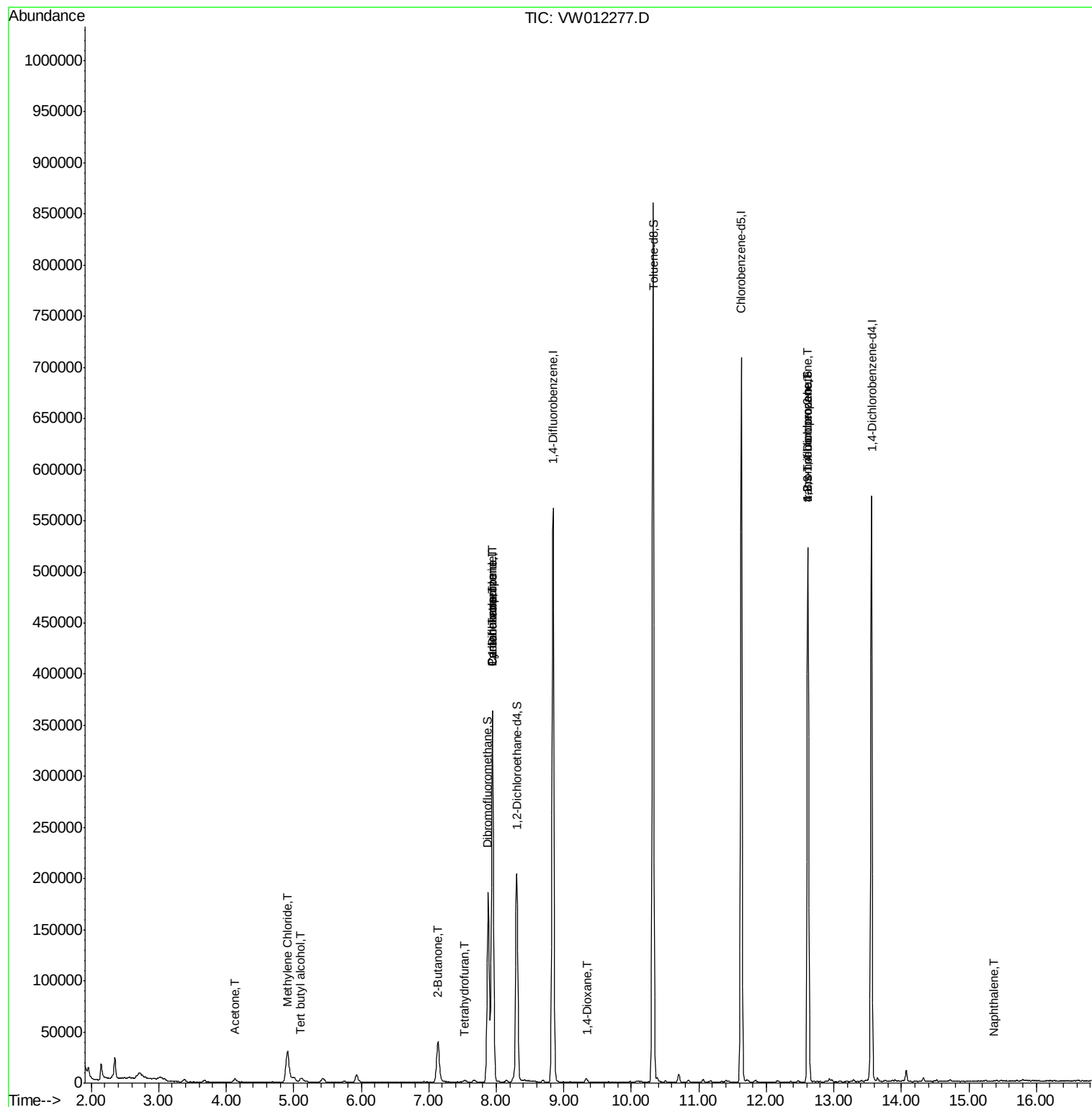
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	2132	11.269	ug/l #	71
16) Acetone	4.12	43	6280	7.814	ug/l #	69
20) Methylene Chloride	4.92	84	21963	7.229	ug/l	95
25) 2-Butanone	7.13	43	2667	2.442	ug/l #	77
29) Tetrahydrofuran	7.53	42	1607	2.453	ug/l	93
31) Cyclohexane	7.94	56	7234	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23333	5.062	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26794	6.717	ug/l #	17
49) 1,4-Dioxane	9.35	88	26	1.127	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	90786	64.057	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90786	140.448	ug/l #	6
95) Naphthalene	15.38	128	232	4.360	ug/l #	82

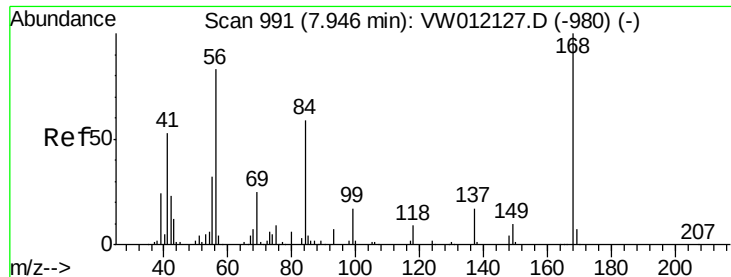
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
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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: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampleId :

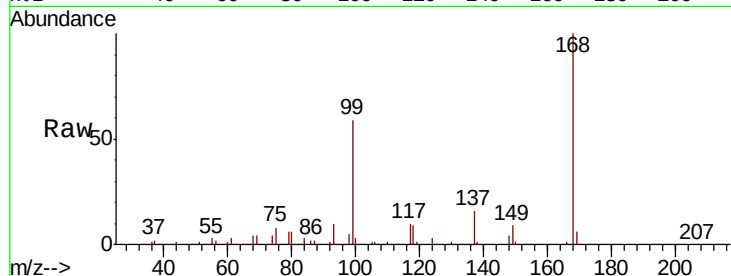
TP-7-D3

Tgt Ion:168 Resp: 264470

Ion Ratio Lower Upper

168 100

99 58.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

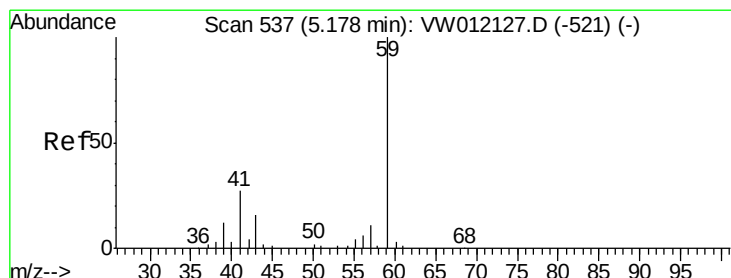
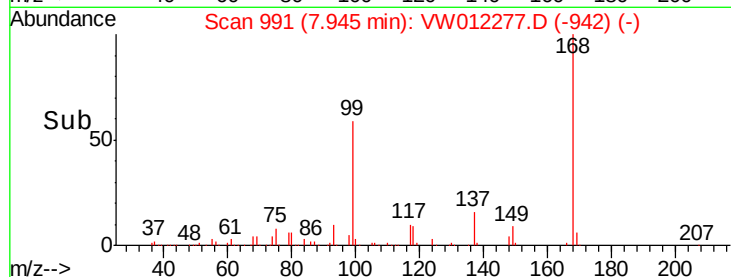
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.269 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.07 min

Lab File: VW012277.D

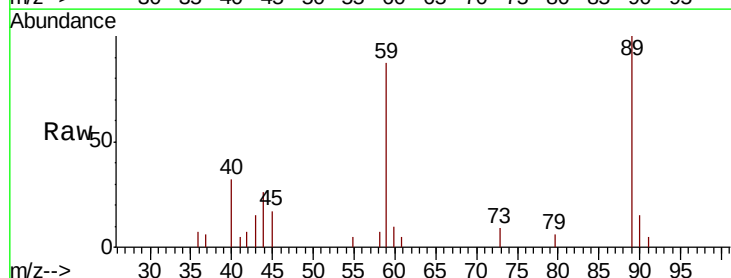
Acq: 29 Aug 2019 02:53

Tgt Ion: 59 Resp: 2132

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.10

1000

800

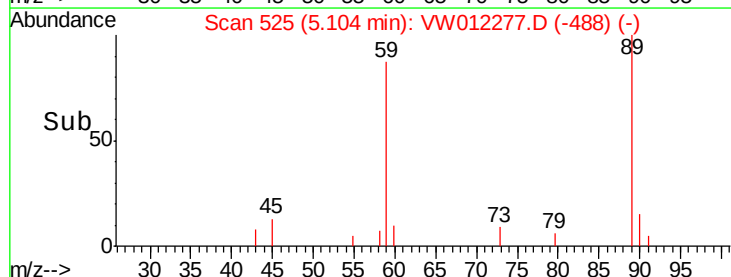
600

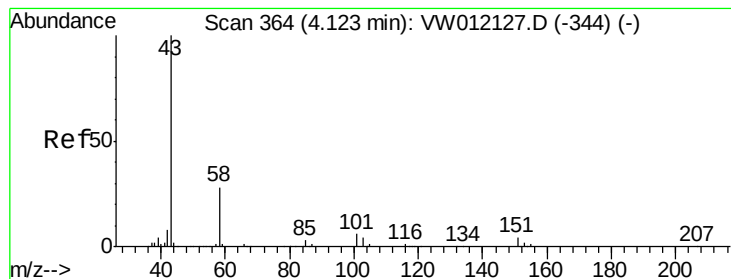
400

200

0

Time-->





#16

Acetone

Concen: 7.814 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampleId :

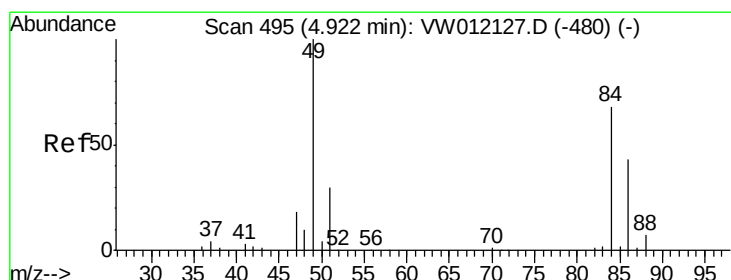
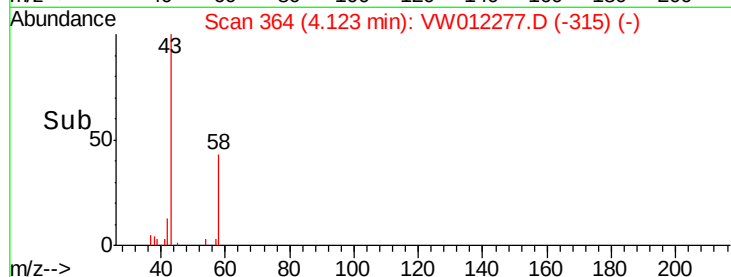
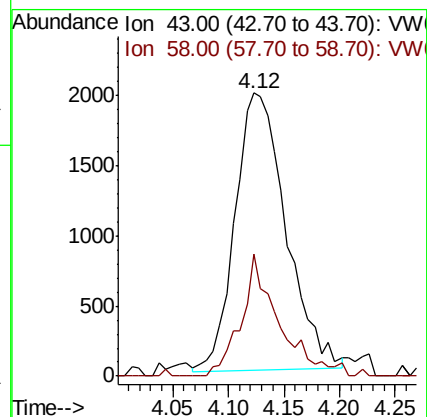
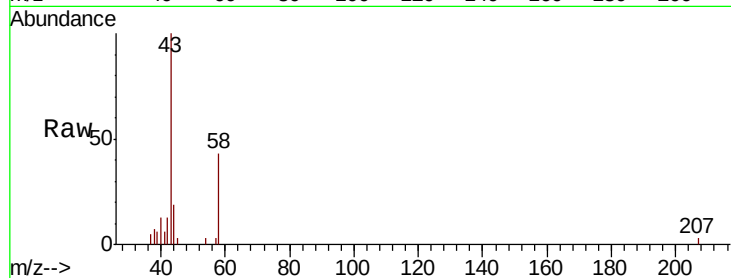
TP-7-D3

Tgt Ion: 43 Resp: 6280

Ion Ratio Lower Upper

43 100

58 44.5 22.4 33.6#



#20

Methylene Chloride

Concen: 7.229 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Tgt Ion: 84 Resp: 21963

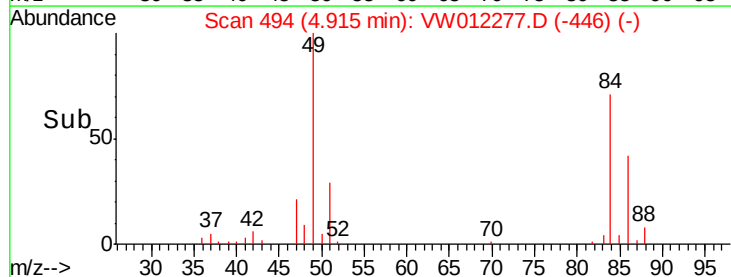
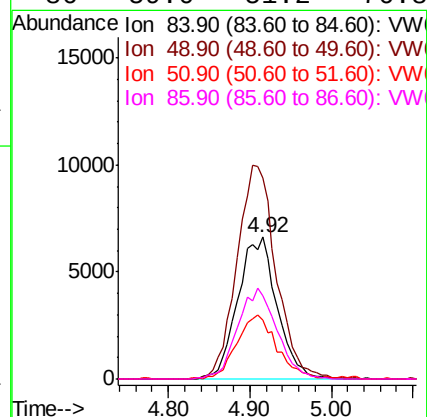
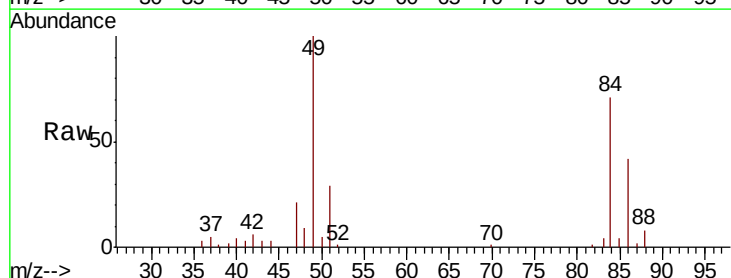
Ion Ratio Lower Upper

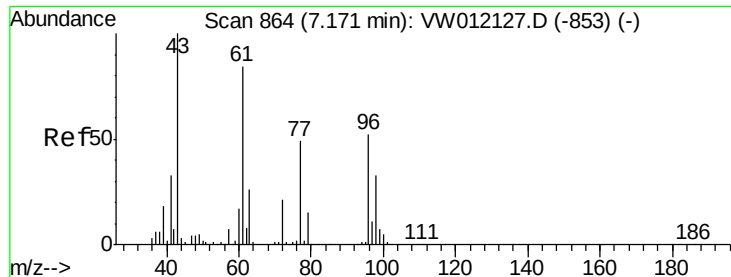
84 100

49 141.7 117.8 176.8

51 40.3 35.6 53.4

86 59.0 51.2 76.8





#25

2-Butanone

Concen: 2.442 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampled :

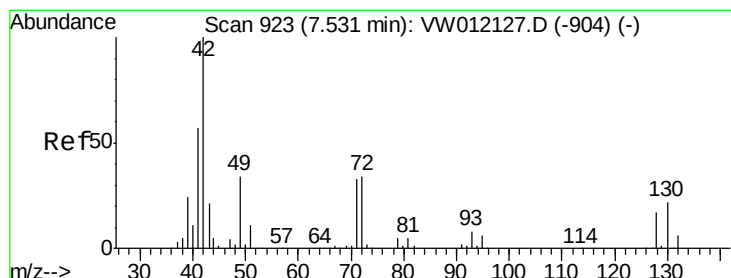
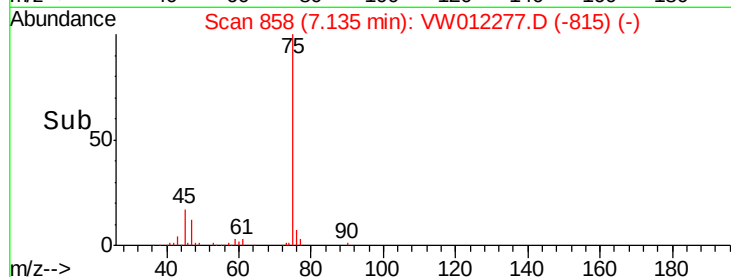
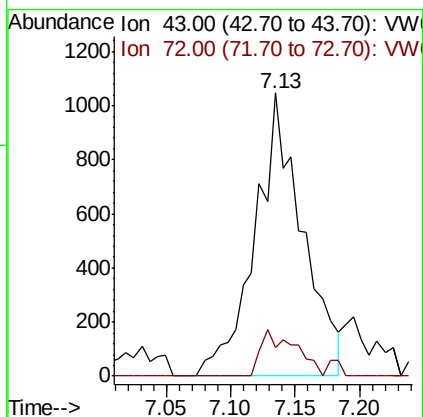
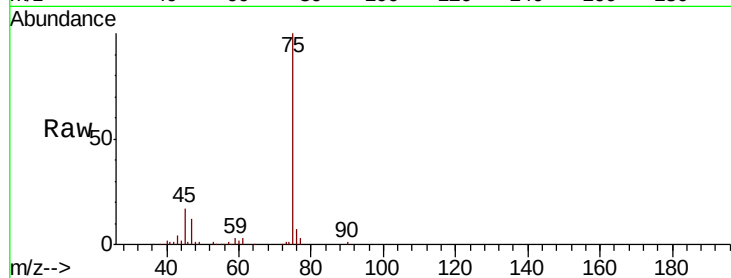
TP-7-D3

Tgt Ion: 43 Resp: 2667

Ion Ratio Lower Upper

43 100

72 10.1 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.453 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

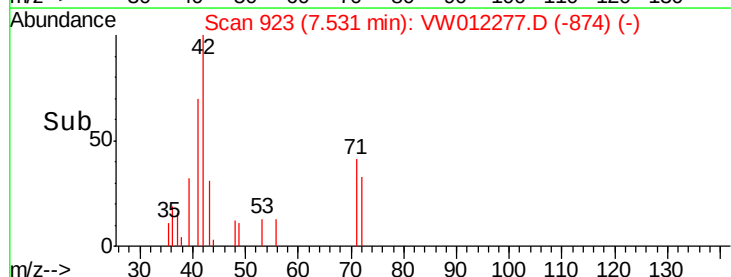
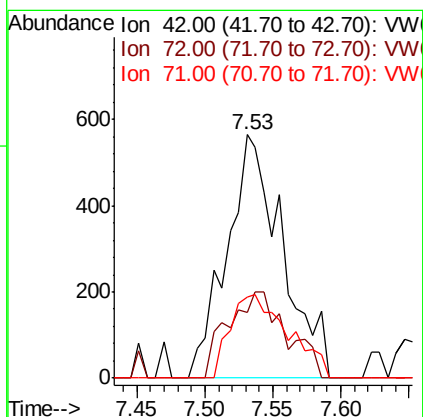
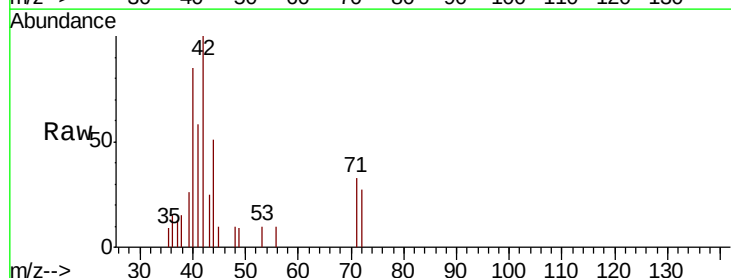
Tgt Ion: 42 Resp: 1607

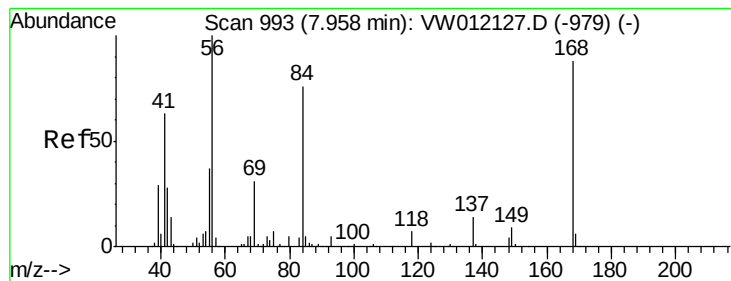
Ion Ratio Lower Upper

42 100

72 37.6 27.3 40.9

71 35.8 25.5 38.3





#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampleId :

TP-7-D3

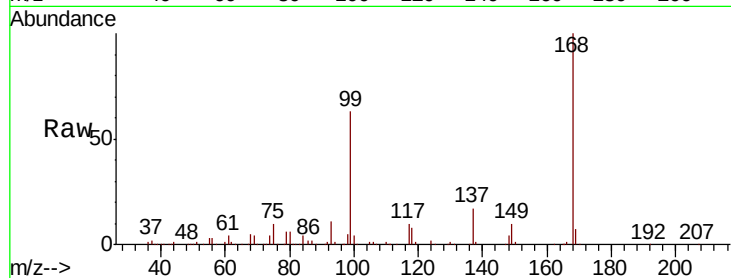
Tgt Ion: 56 Resp: 7234

Ion Ratio Lower Upper

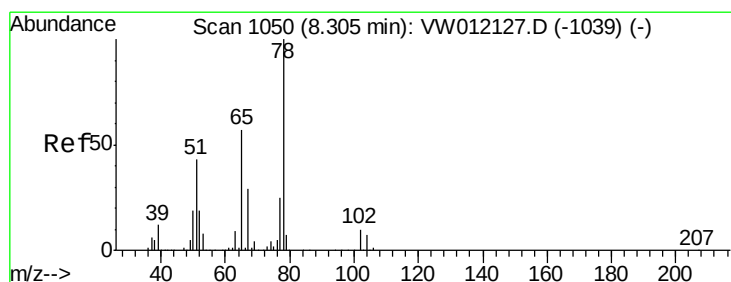
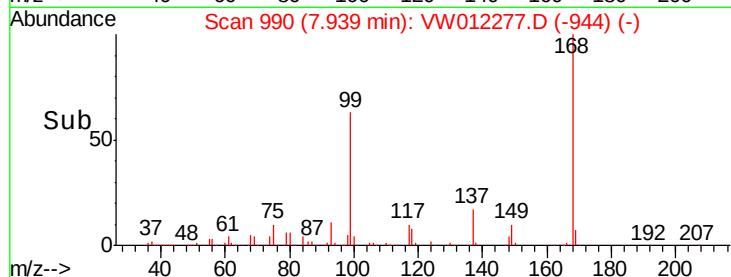
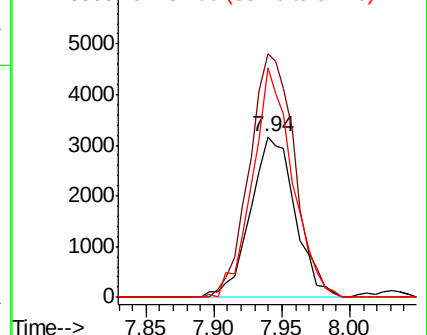
56 100

69 151.2 24.9 37.3#

84 142.3 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: 52.924 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012277.D

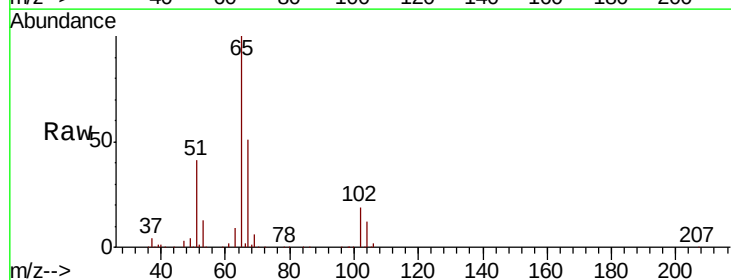
Acq: 29 Aug 2019 02:53

Tgt Ion: 65 Resp: 166387

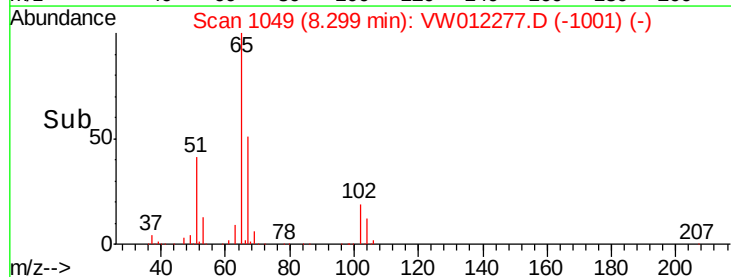
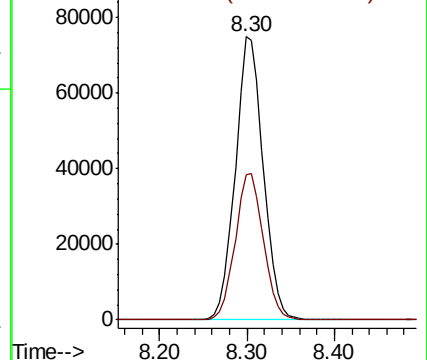
Ion Ratio Lower Upper

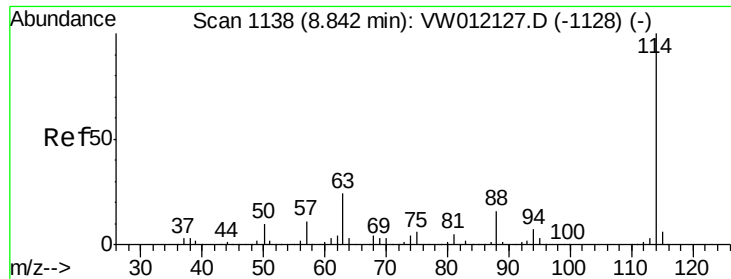
65 100

67 52.3 0.0 102.6



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

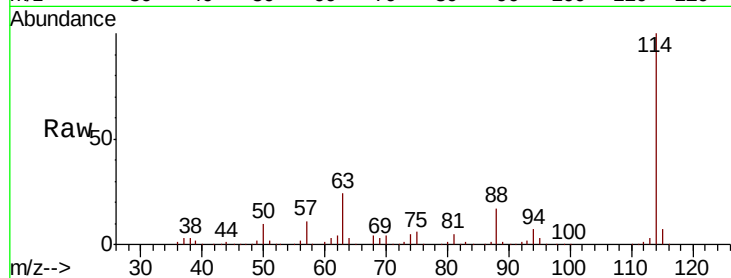




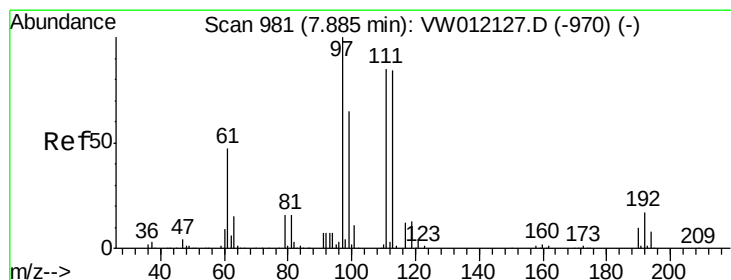
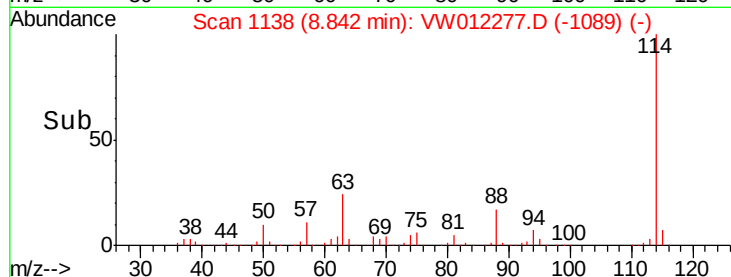
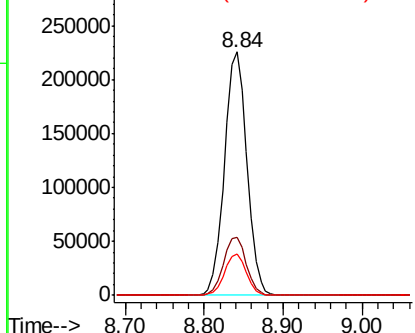
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012277.D
 Acq: 29 Aug 2019 02:53

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7-D3

Tgt Ion:114 Resp: 446017
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.9 0.0 32.2

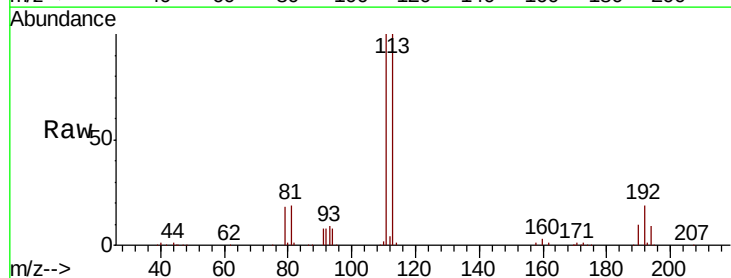


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

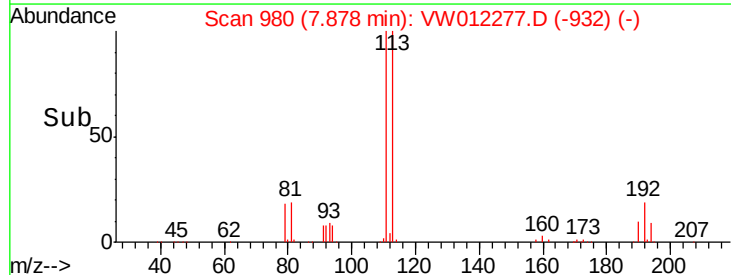
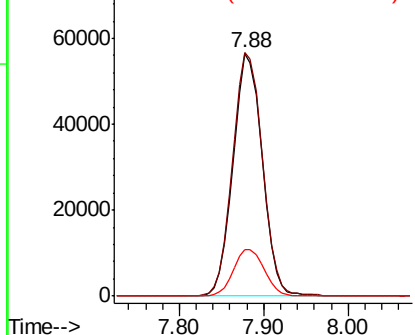


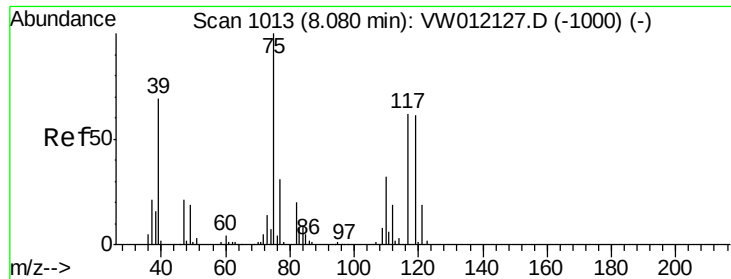
#35
 Dibromofluoromethane
 Concen: 49.665 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012277.D
 Acq: 29 Aug 2019 02:53

Tgt Ion:113 Resp: 132222
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.3 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

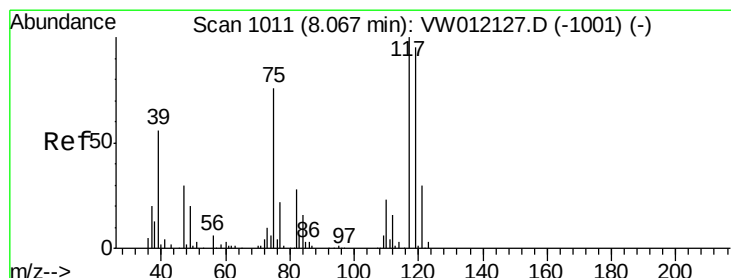
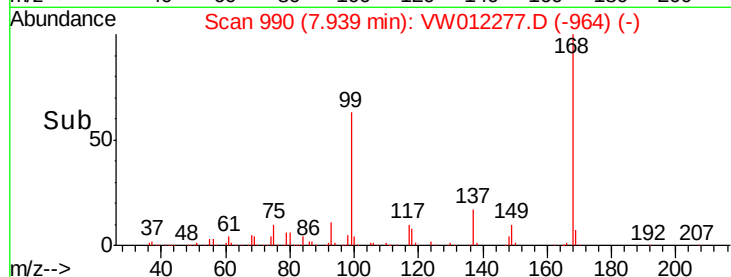
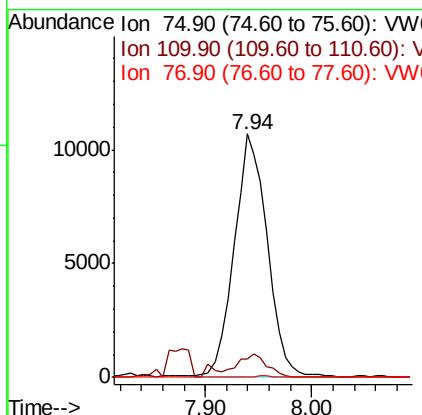
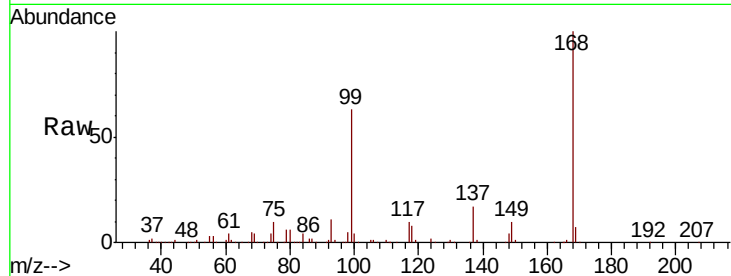




#36
 1,1-Dichloropropene
 Concen: 5.062 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012277.D
 Acq: 29 Aug 2019 02:53

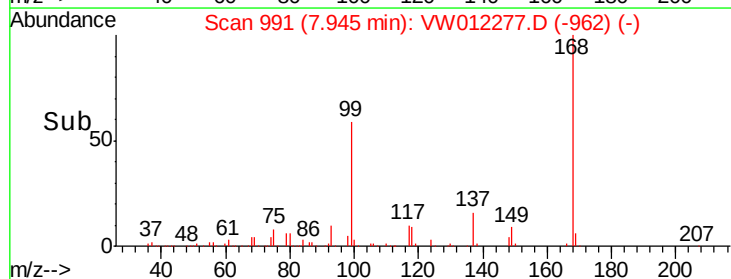
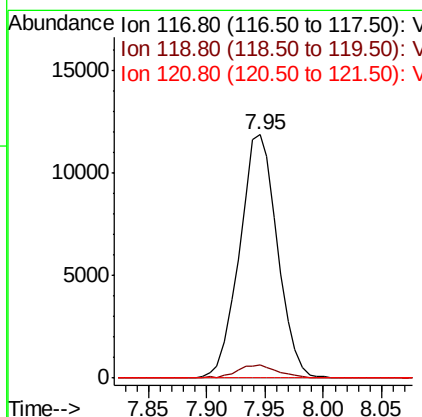
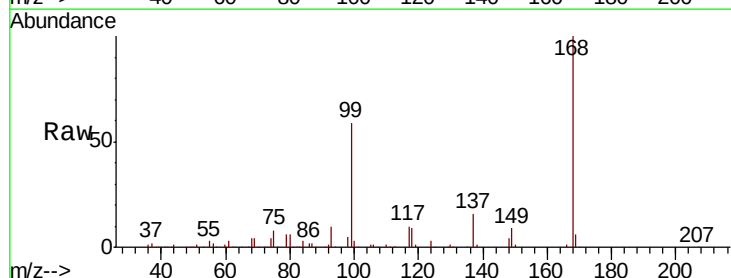
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 ClientSampleID :
 TP-7-D3

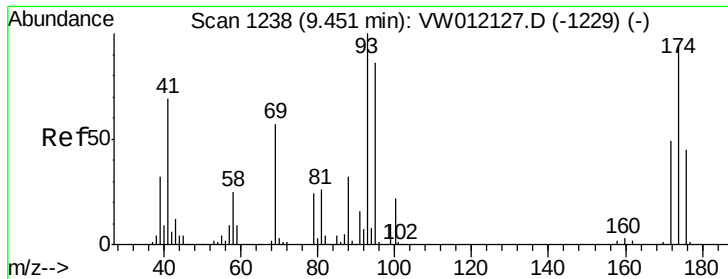
Tgt Ion: 75 Resp: 23333
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.717 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012277.D
 Acq: 29 Aug 2019 02:53

Tgt Ion: 117 Resp: 26794
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.127 ug/l

RT: 9.35 min Scan# 1221

Delta R.T. -0.10 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampled :

TP-7-D3

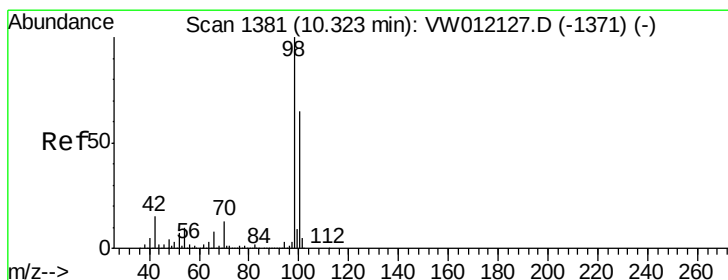
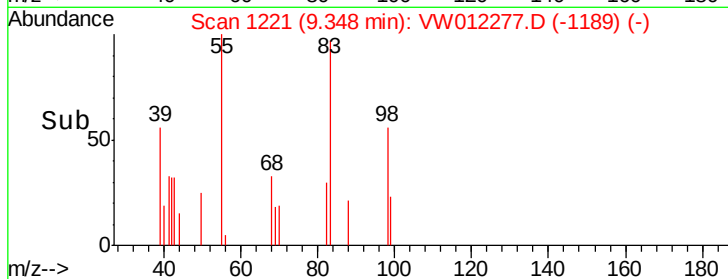
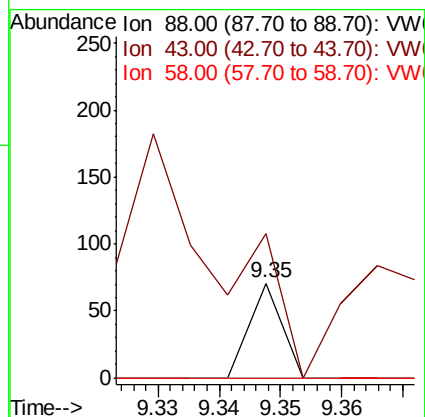
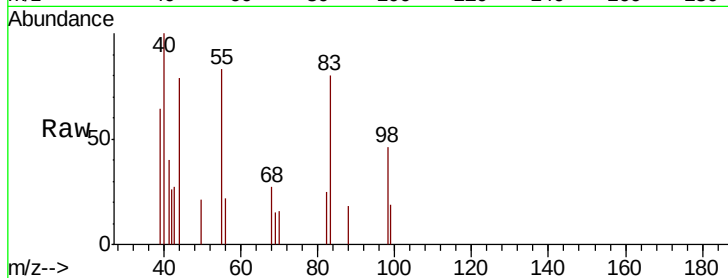
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 1203.8 32.9 49.3#

58 0.0 71.0 106.4#



#50

Toluene-d8

Concen: 50.170 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012277.D

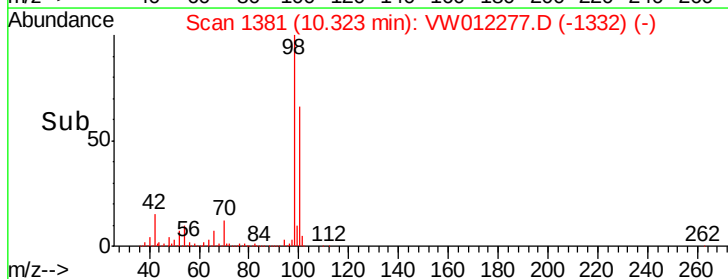
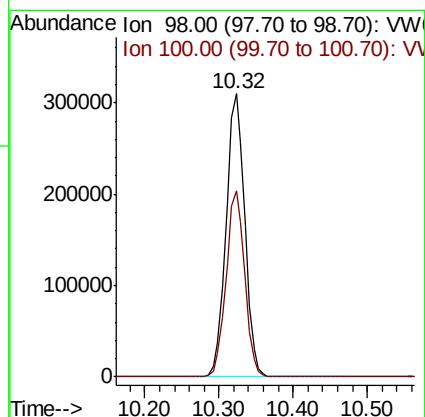
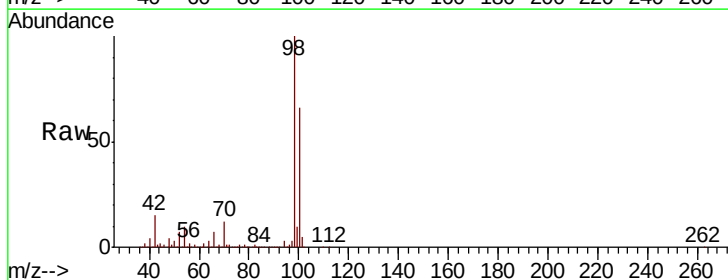
Acq: 29 Aug 2019 02:53

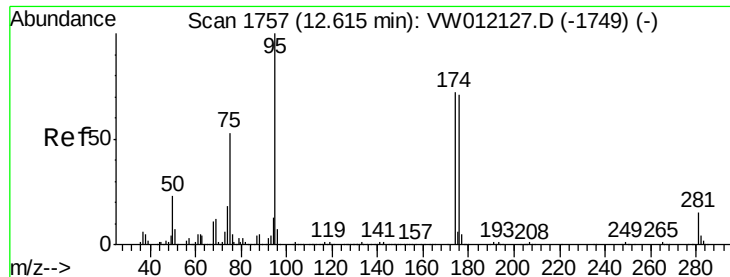
Tgt Ion: 98 Resp: 541574

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 44.860 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampled :

TP-7-D3

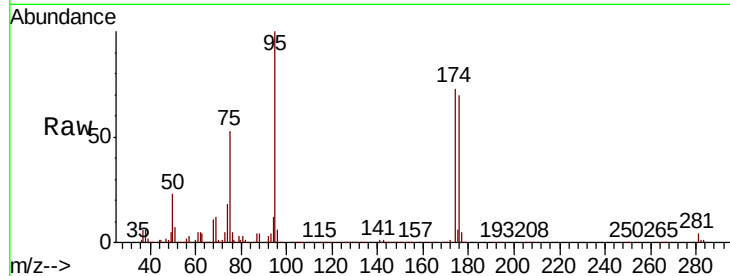
Tgt Ion: 95 Resp: 170700

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

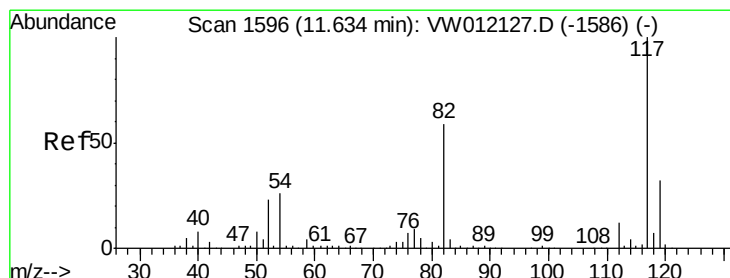
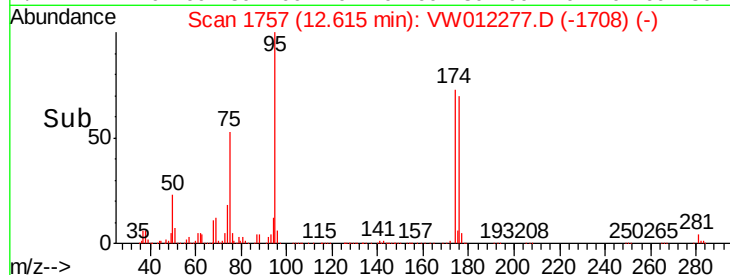
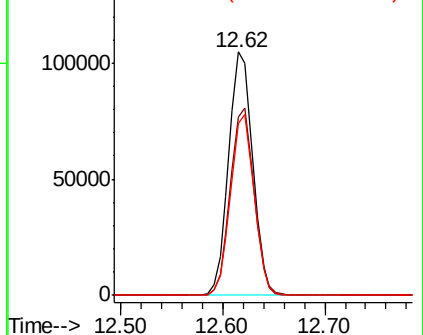
176 72.8 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

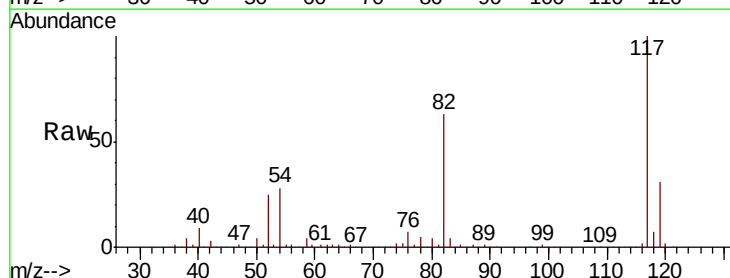
Tgt Ion: 117 Resp: 367356

Ion Ratio Lower Upper

117 100

82 62.6 47.4 71.2

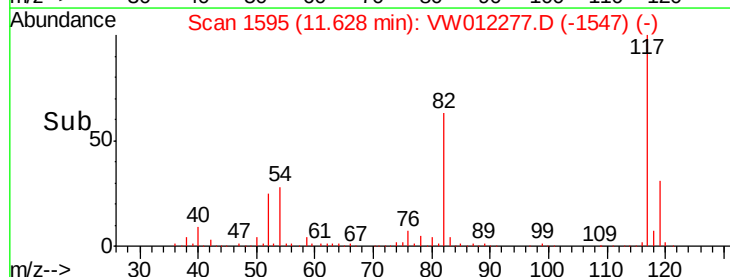
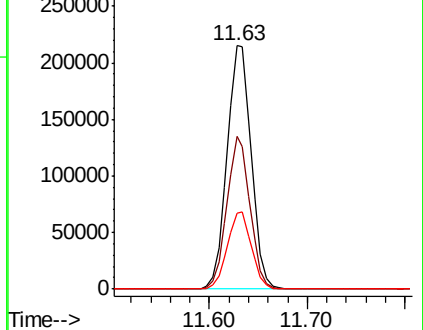
119 31.2 25.4 38.2

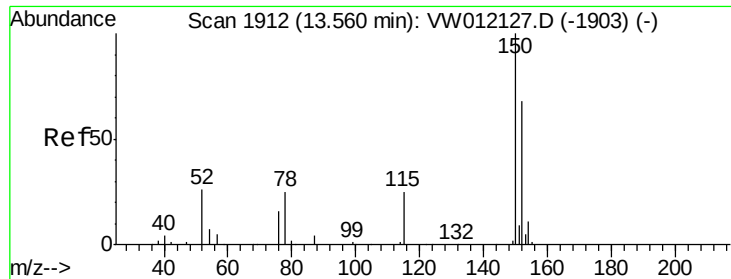


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



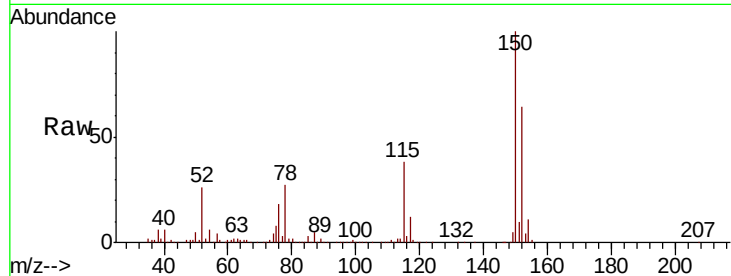


#72

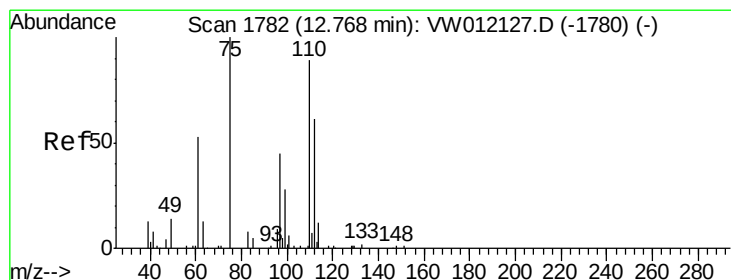
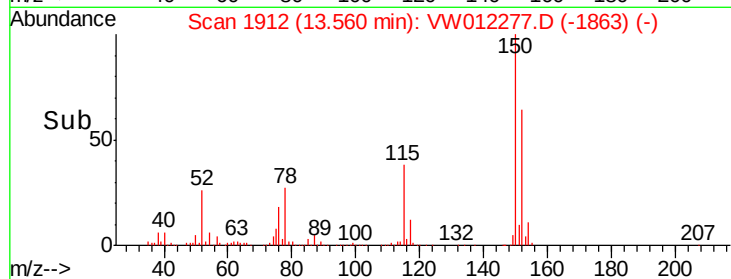
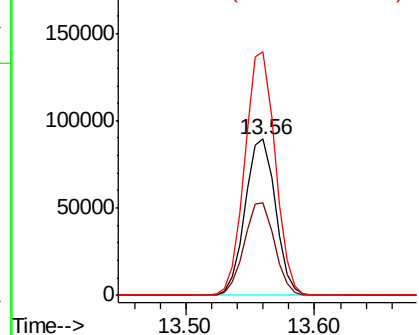
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012277.D
Acq: 29 Aug 2019 02:53

Instrument :
MSVOA_W
ClientSampleId :
TP-7-D3

Tgt Ion:152 Resp: 145520
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.3
150 156.0 0.0 345.8



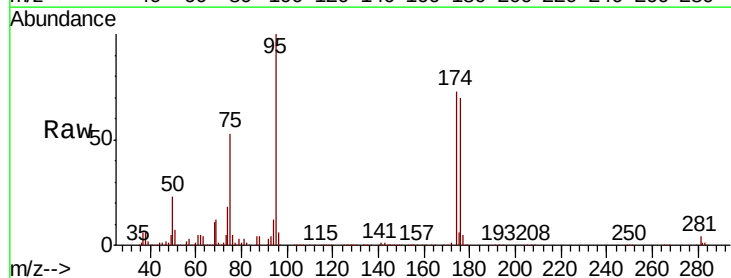
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



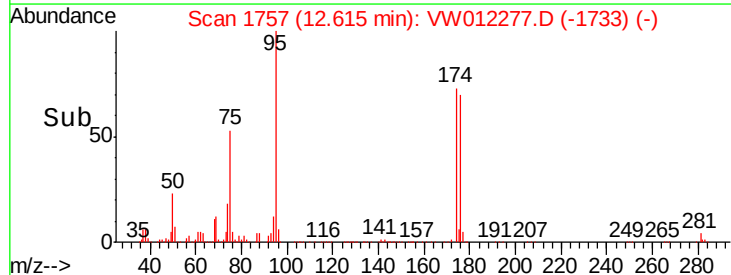
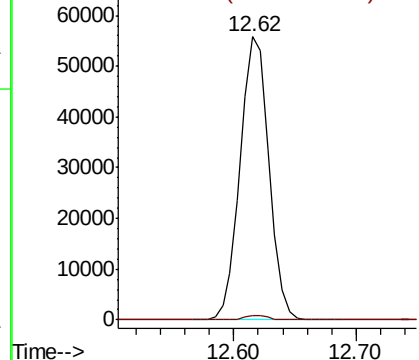
#76

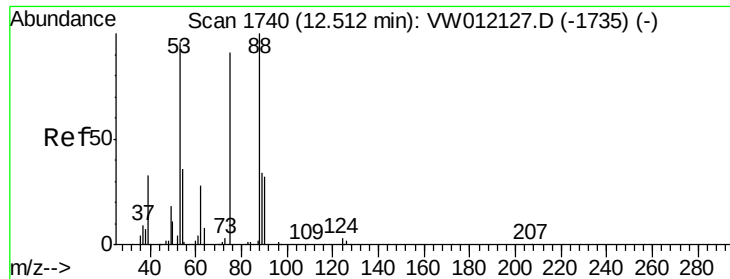
1,2,3-Trichloropropane
Concen: 64.057 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012277.D
Acq: 29 Aug 2019 02:53

Tgt Ion: 75 Resp: 90786
Ion Ratio Lower Upper
75 100
77 1.4 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: 140.448 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

Instrument :

MSVOA_W

ClientSampleId :

TP-7-D3

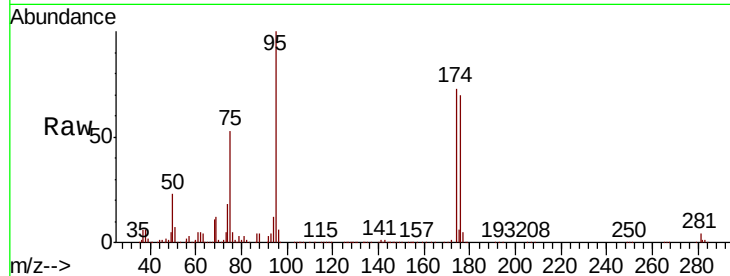
Tgt Ion: 75 Resp: 90786

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

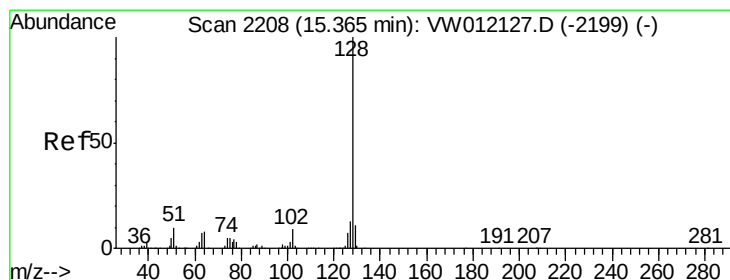
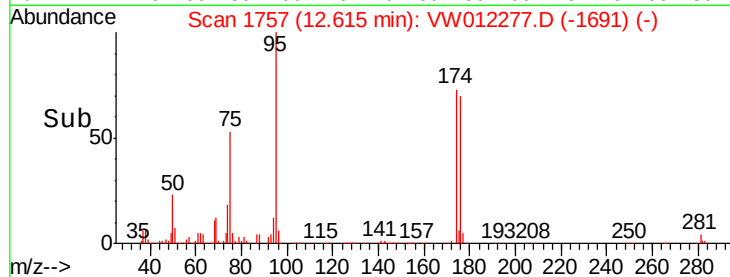
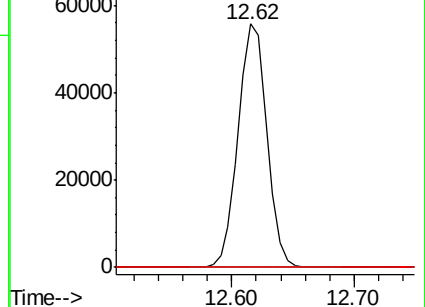
89 0.0 34.5 51.7#



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: 4.360 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012277.D

Acq: 29 Aug 2019 02:53

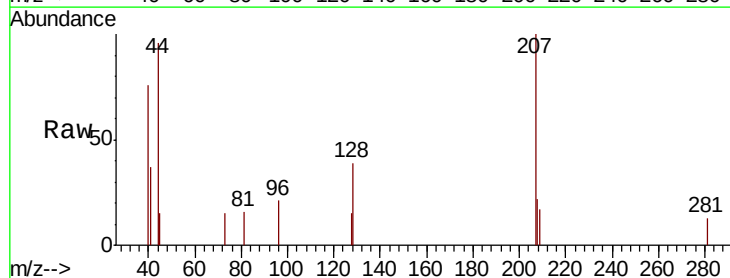
Tgt Ion: 128 Resp: 232

Ion Ratio Lower Upper

128 100

127 9.5 10.7 16.1#

129 0.0 8.7 13.1#



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

