

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010538.D
 Acq On : 23 May 2019 19:00
 Operator : SY/VA
 Sample : K3026-06
 Misc : 3.92G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2

Quant Time: May 24 08:44:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	111680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	202202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	42777	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	62001	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	60695	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.32	98	235576	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.62	95	65316	34.99	ug/l	0.00
Spiked Amount			Recovery	=	69.98%	

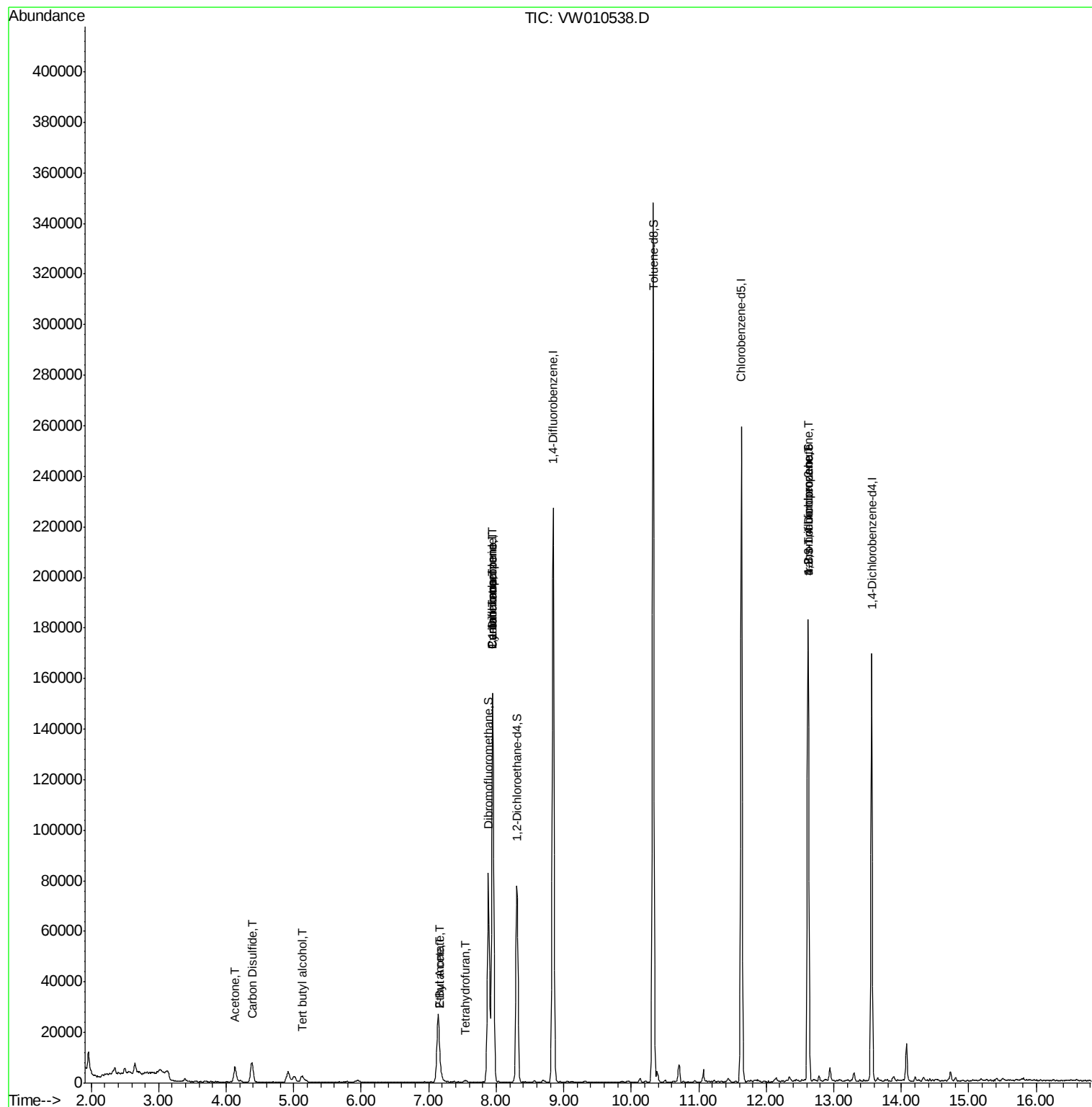
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	24	Below Cal	#	42
11) Tert butyl alcohol	5.13	59	1519	14.650	ug/l #	71
16) Acetone	4.13	43	10733	45.615	ug/l	98
17) Carbon Disulfide	4.38	76	16295	4.631	ug/l	96
20) Methylene Chloride	4.92	84	3128	Below Cal		95
25) 2-Butanone	7.17	43	4768	14.160	ug/l	90
29) Tetrahydrofuran	7.54	42	572	2.510	ug/l #	49
31) Cyclohexane	7.95	56	2318	1.059	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	8957	4.755	ug/l #	48
37) Ethyl Acetate	7.17	43	4768	5.953	ug/l #	67
38) Carbon Tetrachloride	7.95	117	12042	5.926	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	30929	71.230	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30929	148.659	ug/l #	14

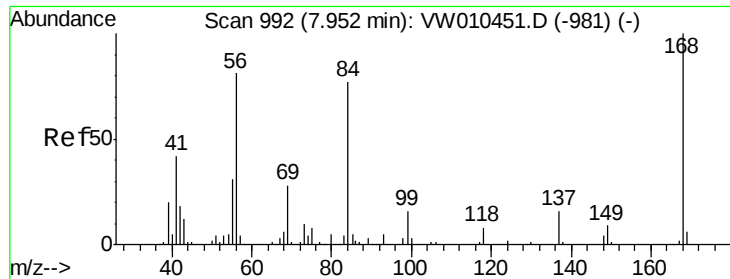
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

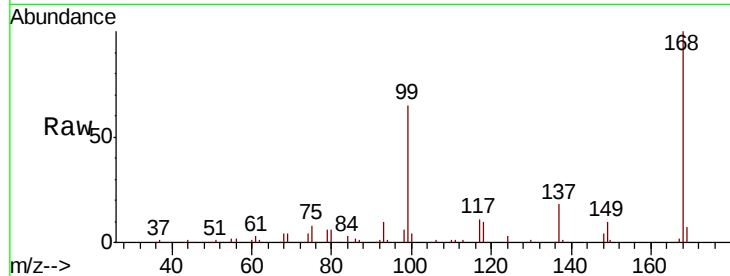
TP-5-D2

Tot Ion:168 Resp: 111680

Ion Ratio Lower Upper

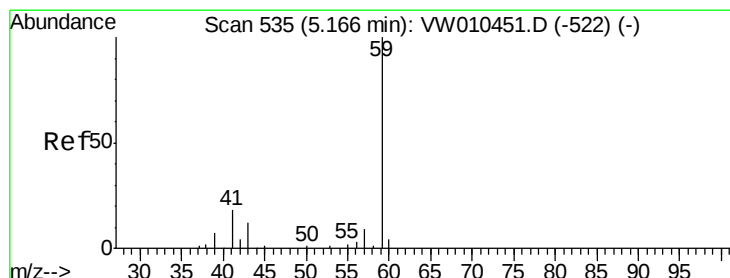
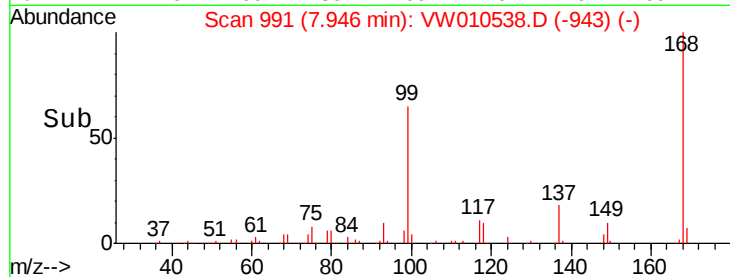
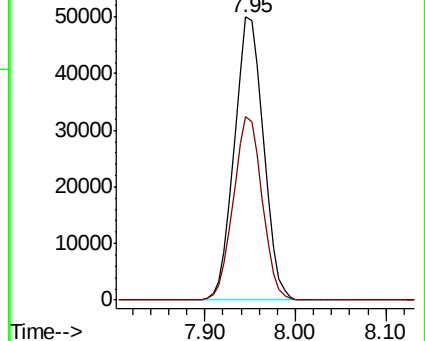
168 100

99 65.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 14.650 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW010538.D

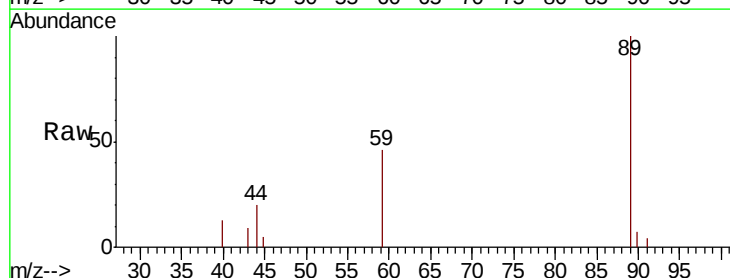
Acq: 23 May 2019 19:00

Tgt Ion: 59 Resp: 1519

Ion Ratio Lower Upper

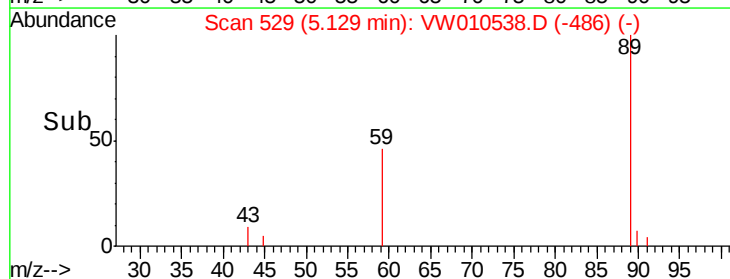
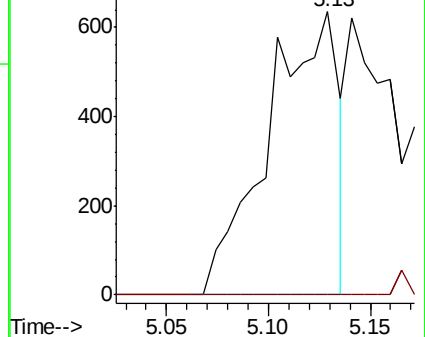
59 100

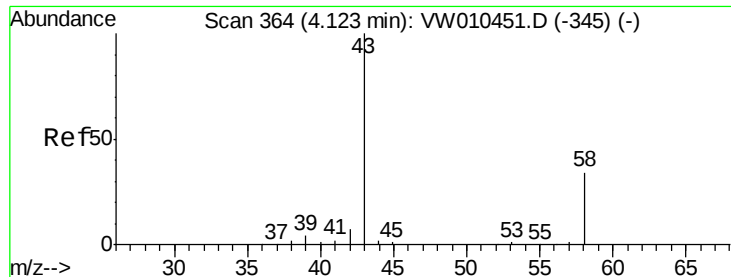
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 45.615 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

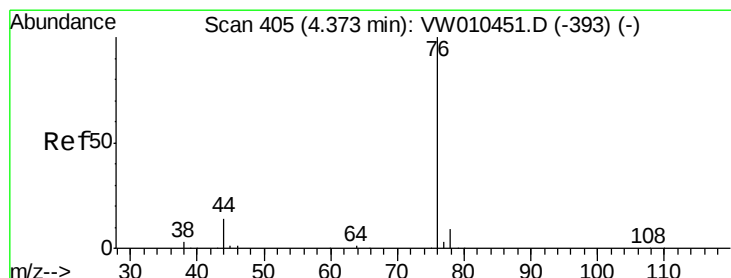
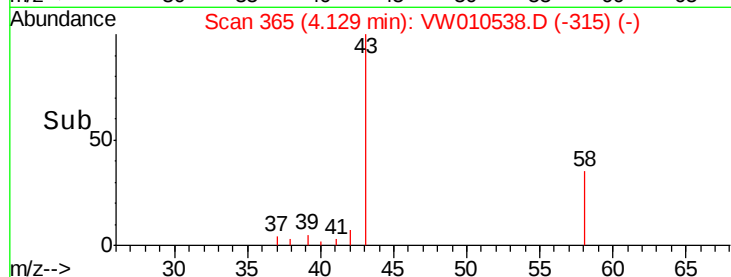
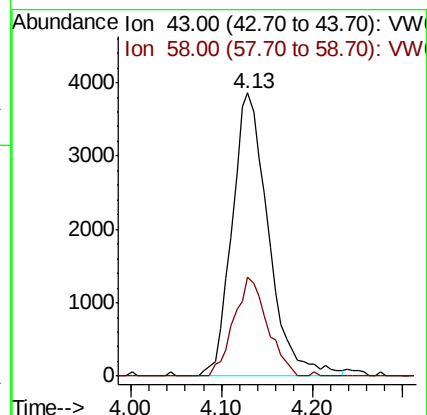
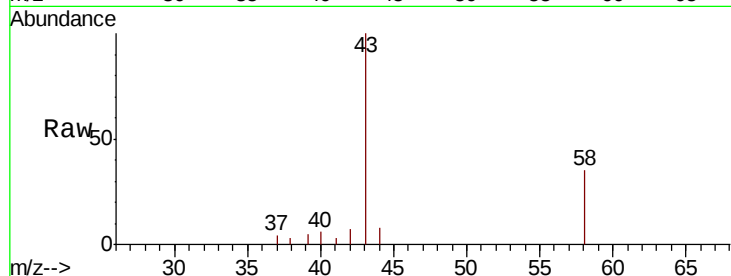
TP-5-D2

Tot Ion: 43 Resp: 10733

Ion Ratio Lower Upper

43 100

58 35.1 27.0 40.4



#17

Carbon Disulfide

Concen: 4.631 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010538.D

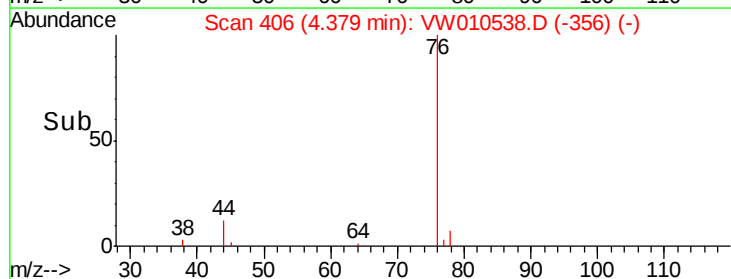
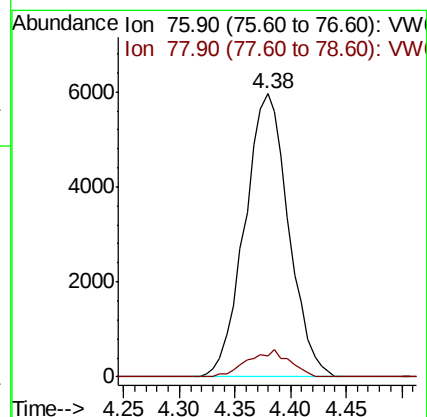
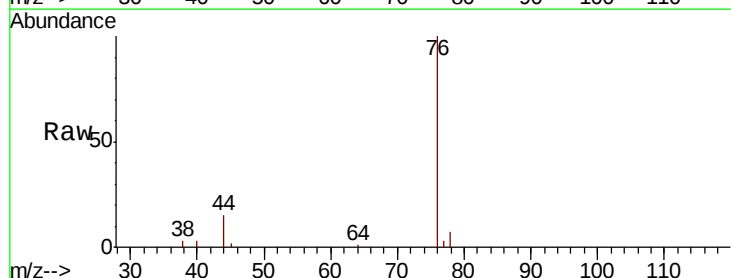
Acq: 23 May 2019 19:00

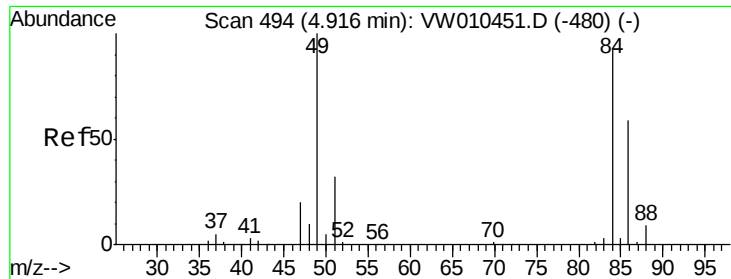
Tgt Ion: 76 Resp: 16295

Ion Ratio Lower Upper

76 100

78 7.3 7.1 10.7

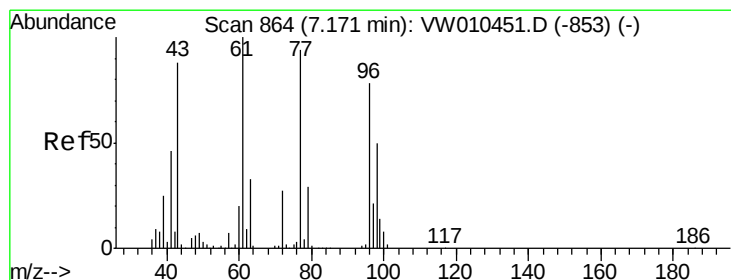
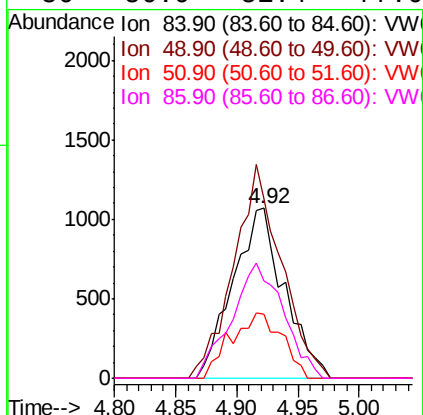
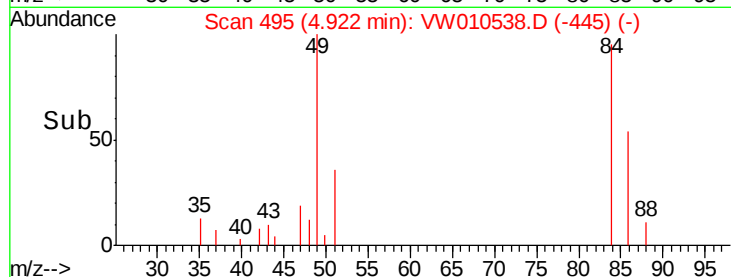
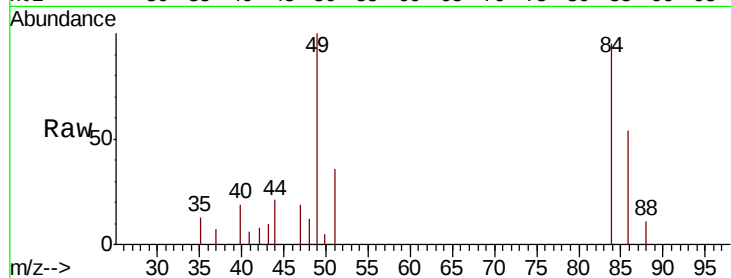




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010538.D
Acq: 23 May 2019 19:00

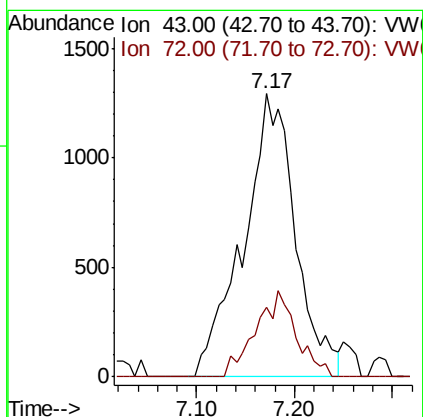
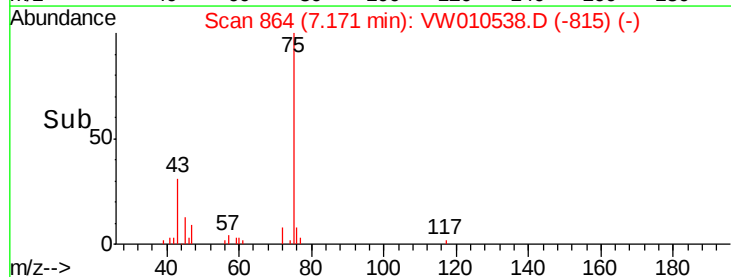
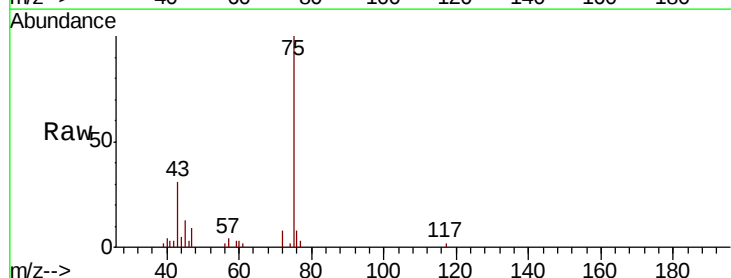
Instrument :
MSVOA_W
ClientSampled :
TP-5-D2

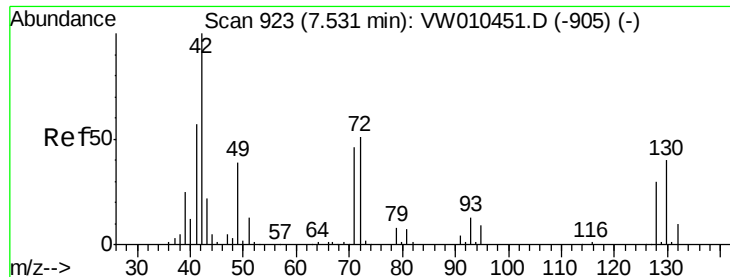
Tot Ion: 84 Resp: 3128
Ion Ratio Lower Upper
84 100
49 105.7 87.2 130.8
51 37.6 27.7 41.5
86 56.9 51.4 77.0



#25
2-Butanone
Concen: 14.160 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010538.D
Acq: 23 May 2019 19:00

Tgt Ion: 43 Resp: 4768
Ion Ratio Lower Upper
43 100
72 24.7 24.1 36.1

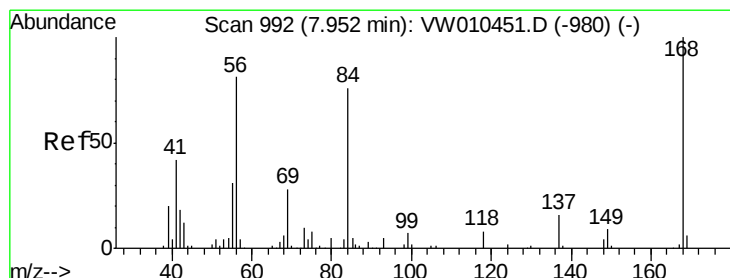
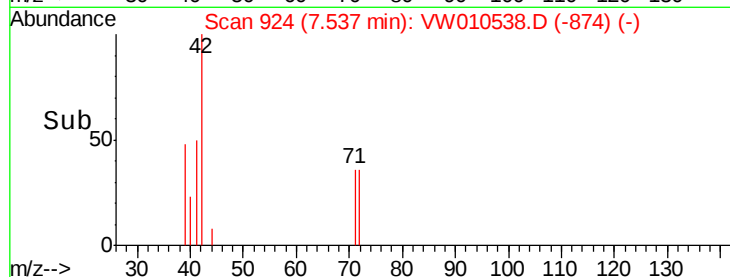
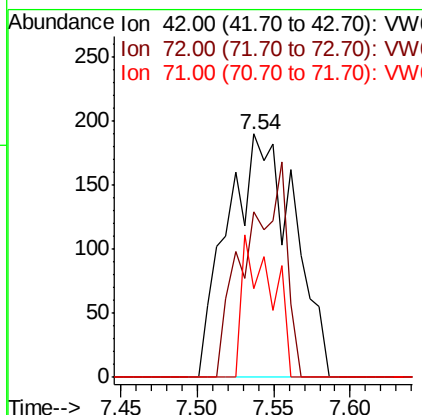
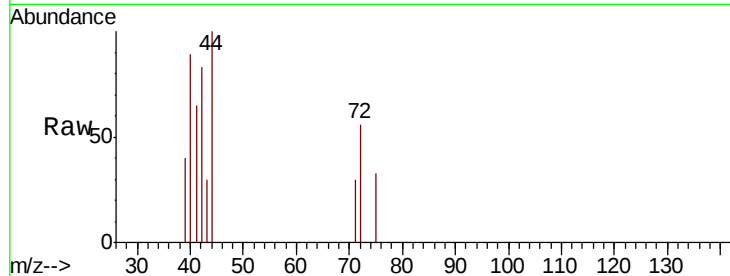




#29
Tetrahydrofuran
Concen: 2.510 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010538.D
Acq: 23 May 2019 19:00

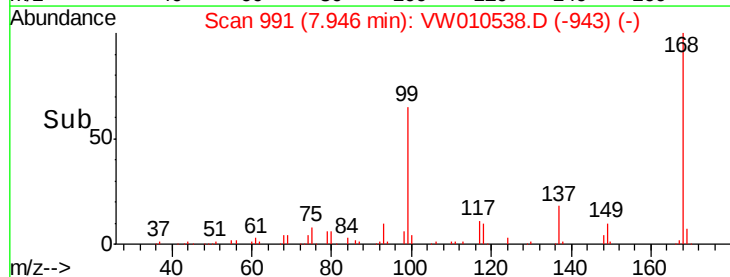
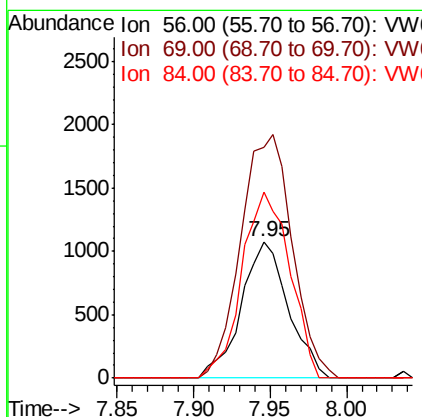
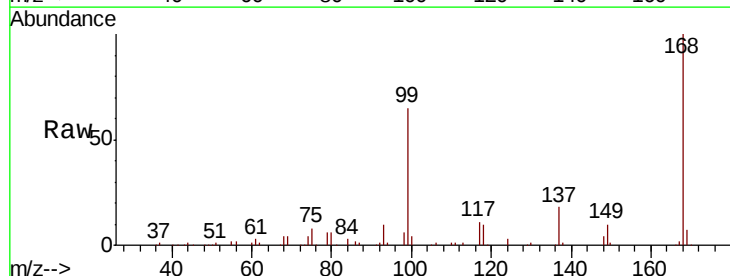
Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2

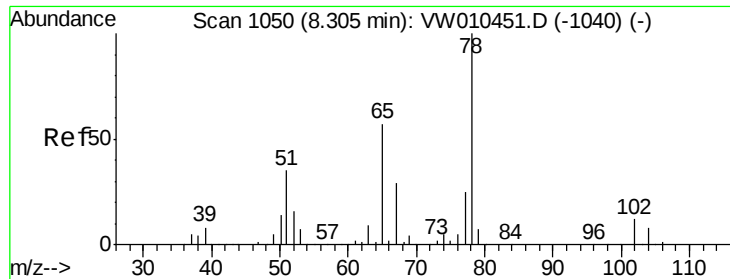
Tot Ion: 42 Resp: 572
Ion Ratio Lower Upper
42 100
72 0.0 38.5 57.7#
71 26.4 36.5 54.7#



#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010538.D
Acq: 23 May 2019 19:00

Tgt Ion: 56 Resp: 2318
Ion Ratio Lower Upper
56 100
69 169.0 28.2 42.2#
84 136.1 75.8 113.8#





#33

1,2-Dichloroethane-d4

Concen: 53.786 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

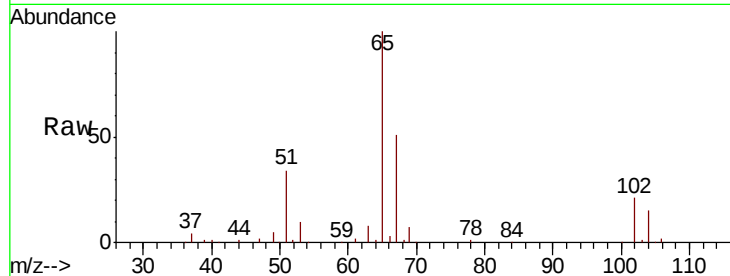
TP-5-D2

Tot Ion: 65 Resp: 62001

Ion Ratio Lower Upper

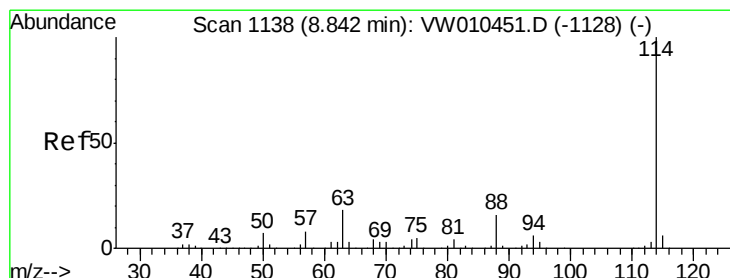
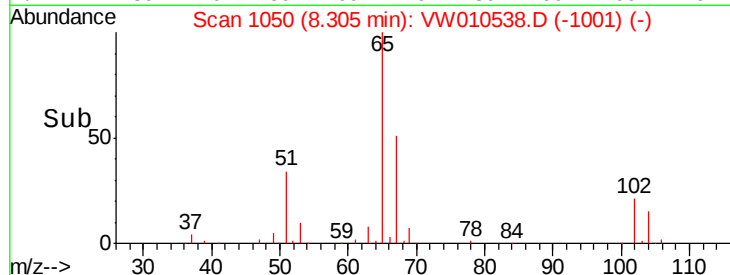
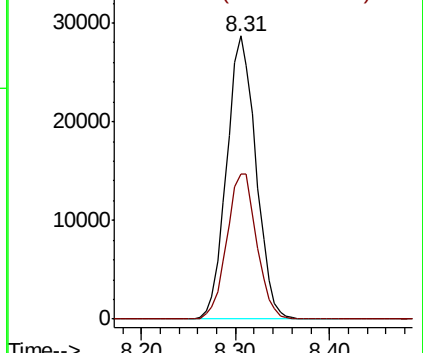
65 100

67 52.2 0.0 103.6



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: VW010538.D

Acq: 23 May 2019 19:00

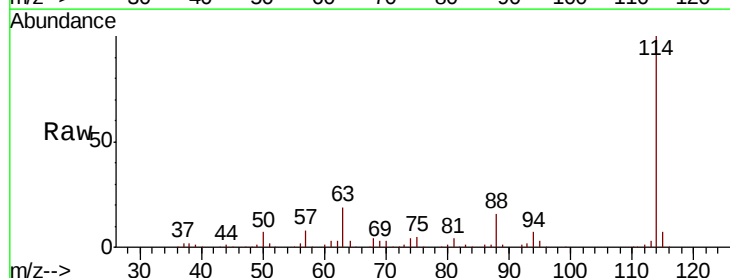
Tgt Ion:114 Resp: 202202

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.0

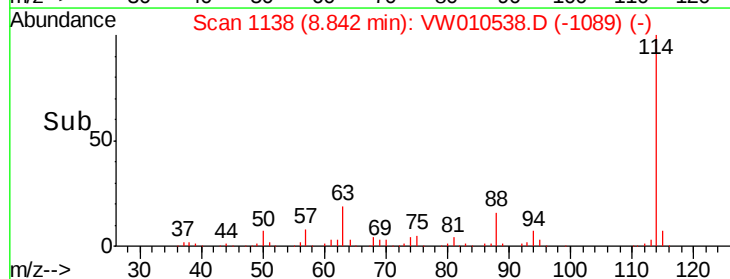
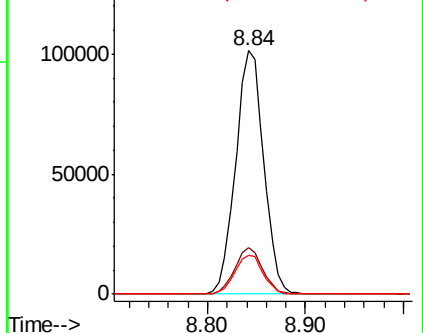
88 16.0 0.0 32.0

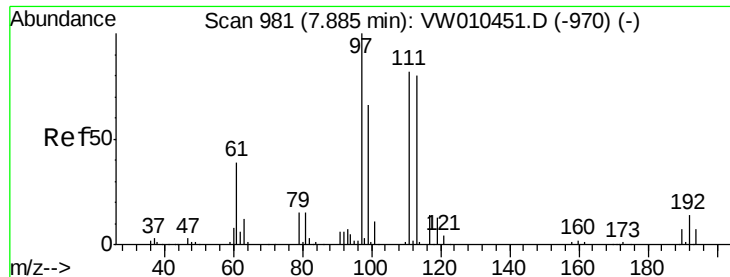


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

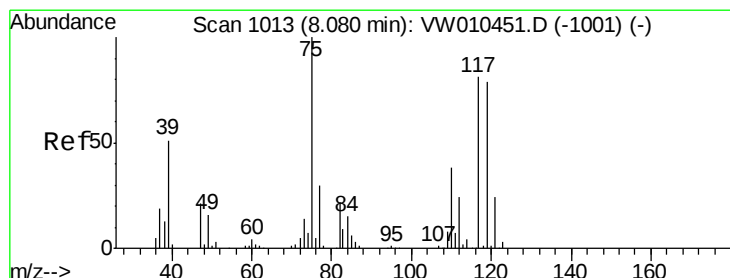
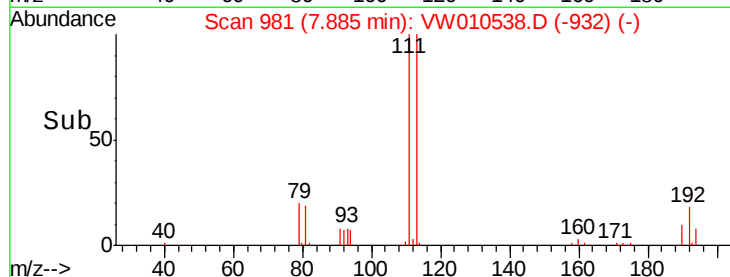
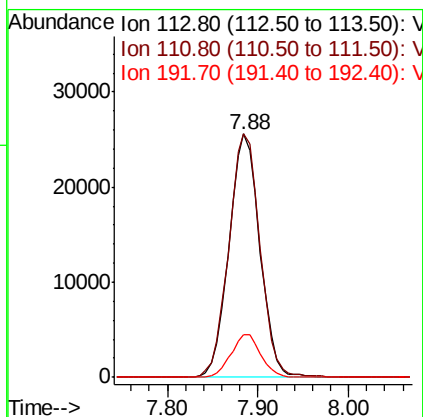
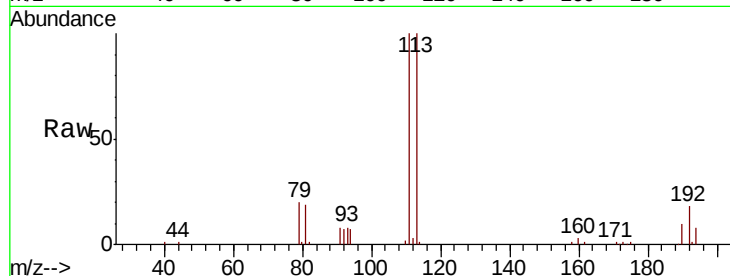




#35
 Dibromofluoromethane
 Concen: 49.469 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010538.D
 Acq: 23 May 2019 19:00

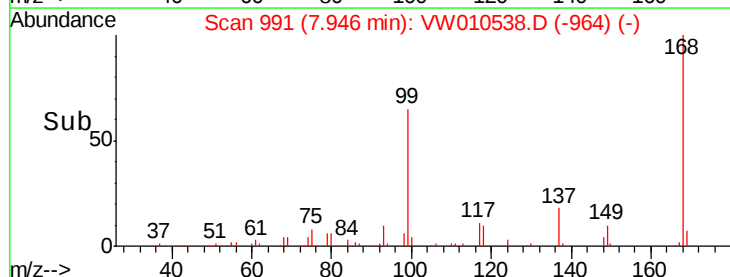
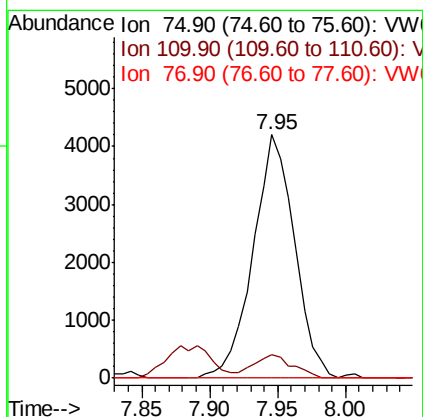
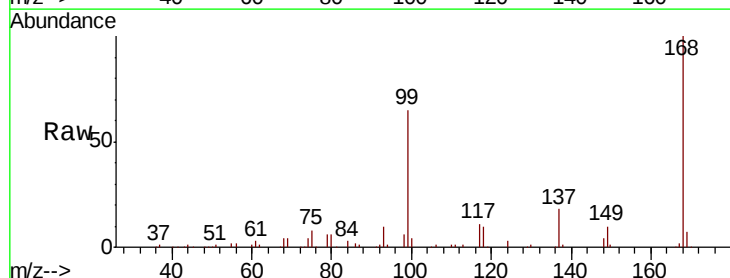
Instrument :
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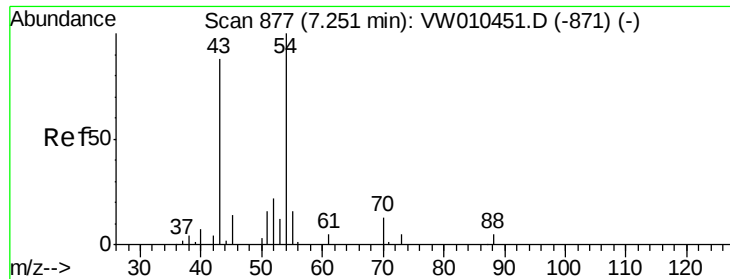
Tot Ion:113 Resp: 60695
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.4
 192 16.9 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010538.D
 Acq: 23 May 2019 19:00

Tgt Ion: 75 Resp: 8957
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.2 57.6#
 77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 5.953 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

TP-5-D2

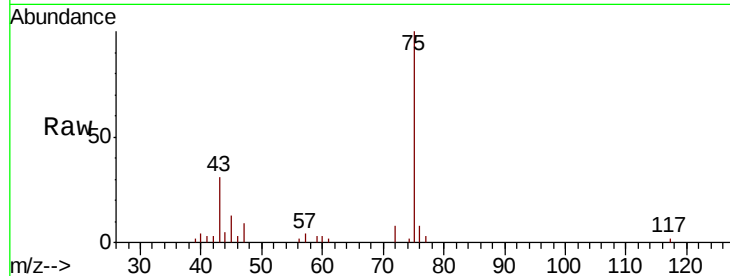
Tot Ion: 43 Resp: 4768

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

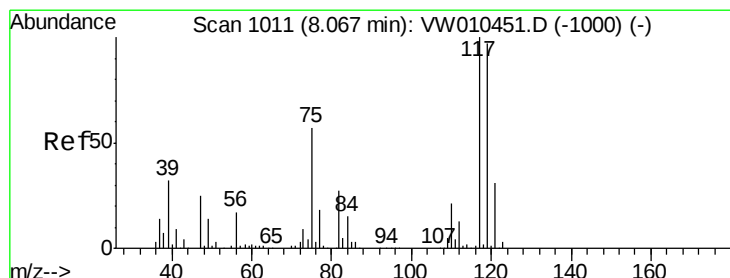
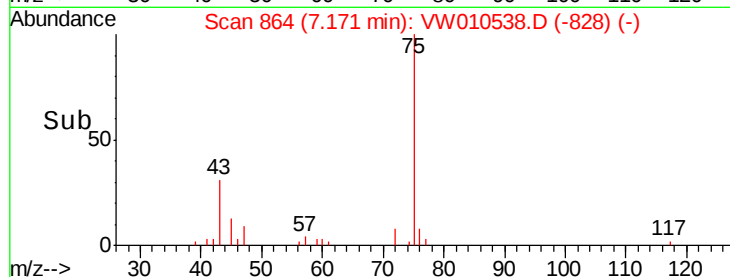
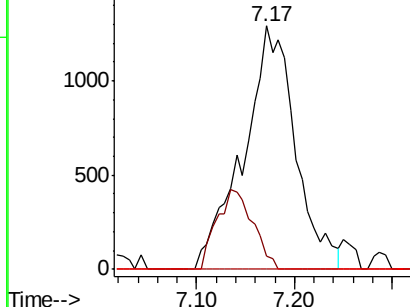
70 0.0 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.926 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

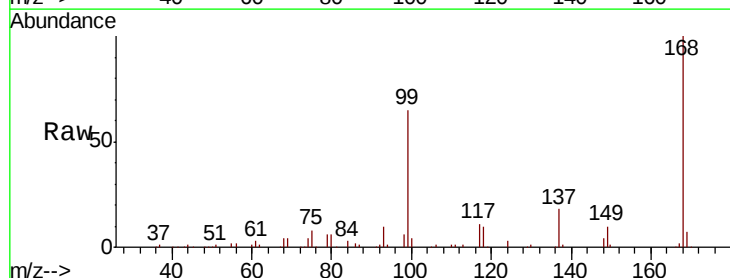
Tgt Ion: 117 Resp: 12042

Ion Ratio Lower Upper

117 100

119 4.0 77.4 116.0#

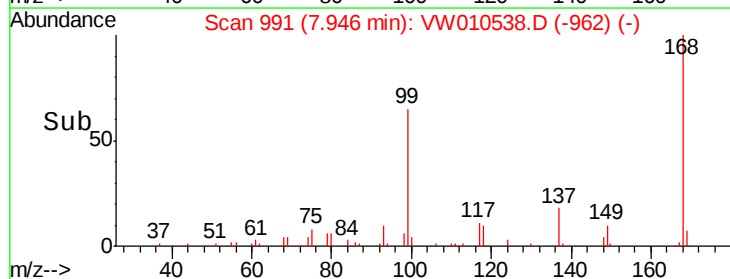
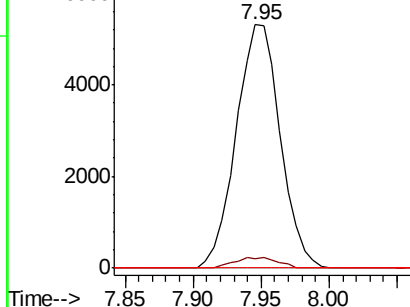
121 0.0 25.0 37.6#

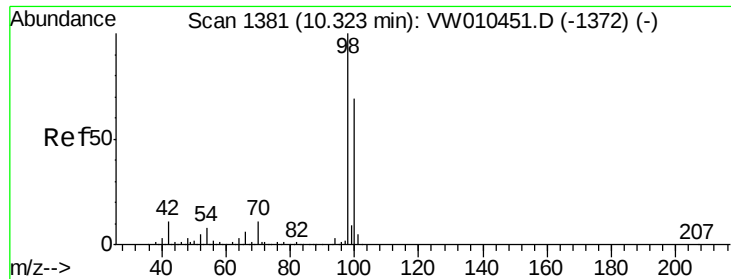


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.260 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

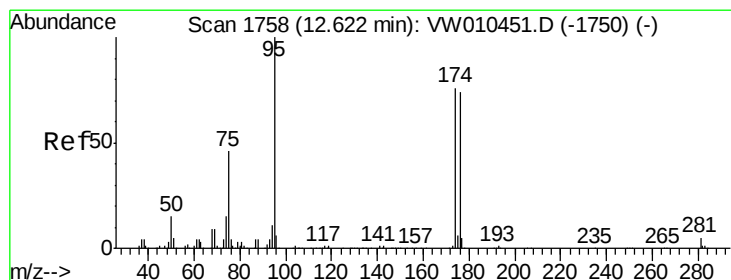
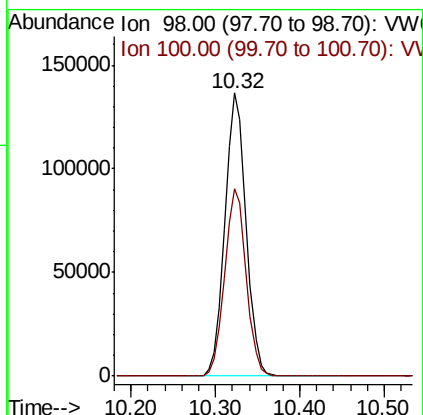
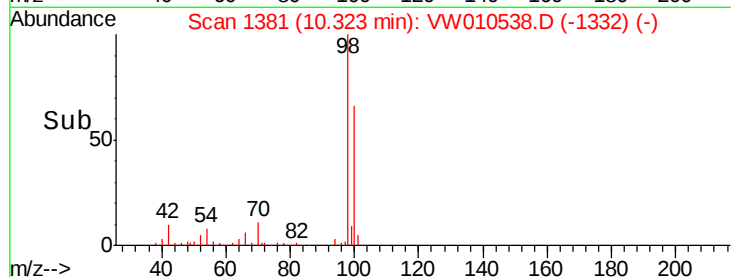
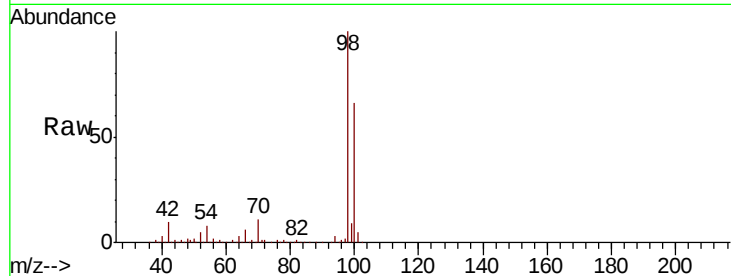
TP-5-D2

Tot Ion: 98 Resp: 235576

Ion Ratio Lower Upper

98 100

100 67.0 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 34.985 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

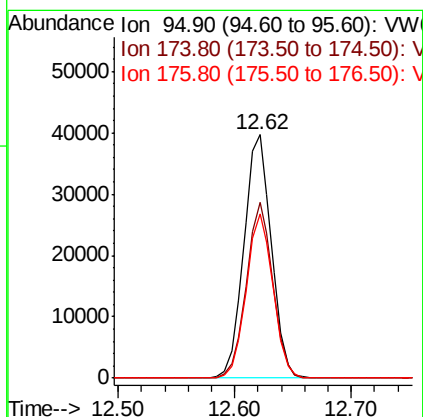
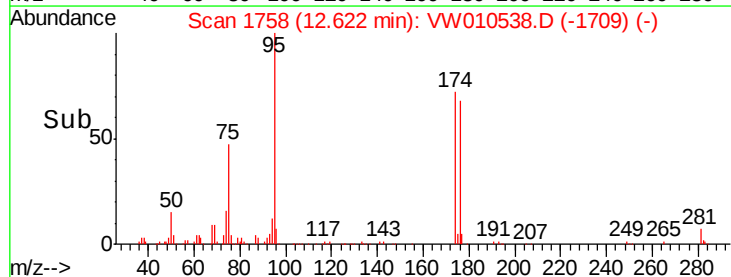
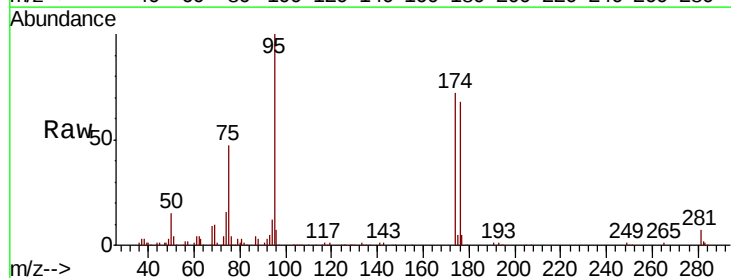
Tgt Ion: 95 Resp: 65316

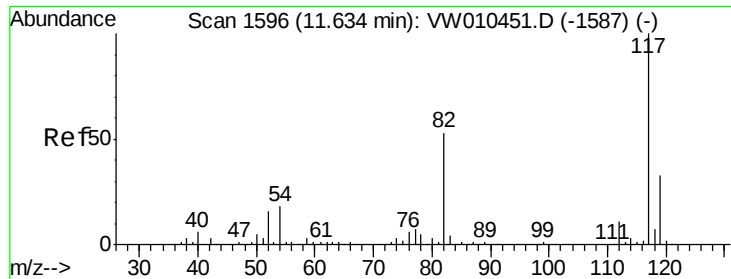
Ion Ratio Lower Upper

95 100

174 69.3 0.0 148.6

176 65.6 0.0 144.2

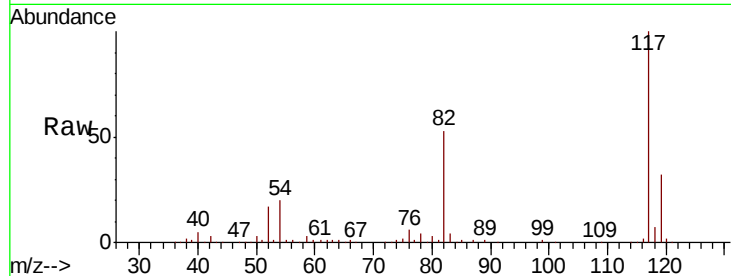




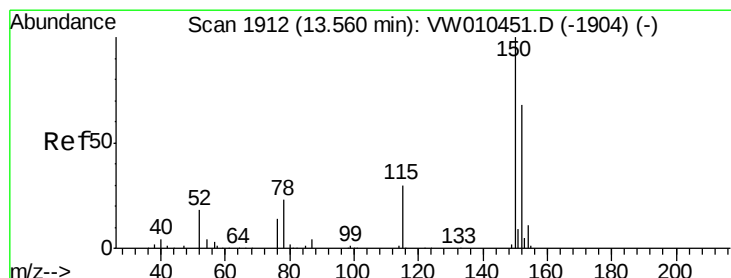
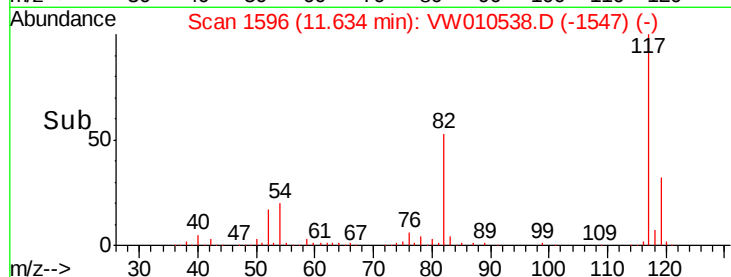
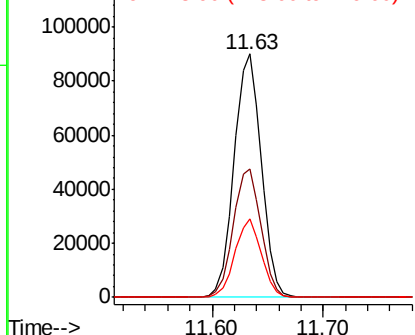
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010538.D
Acq: 23 May 2019 19:00

Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2

Tot Ion:117 Resp: 151892
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.3 26.3 39.5

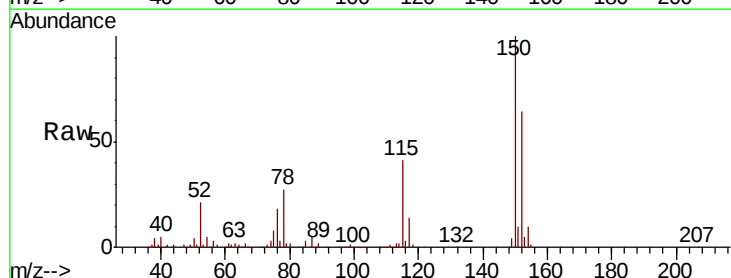


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

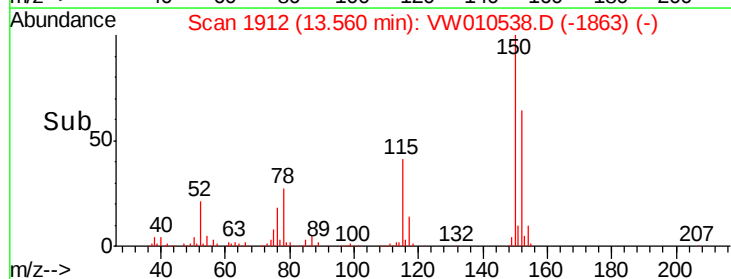
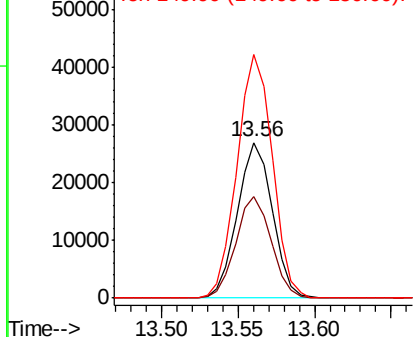


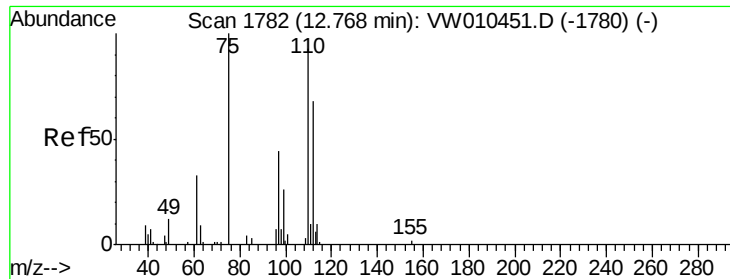
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010538.D
Acq: 23 May 2019 19:00

Tgt Ion:152 Resp: 42777
Ion Ratio Lower Upper
152 100
115 65.8 30.3 91.0
150 159.0 0.0 349.8



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: 71.230 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

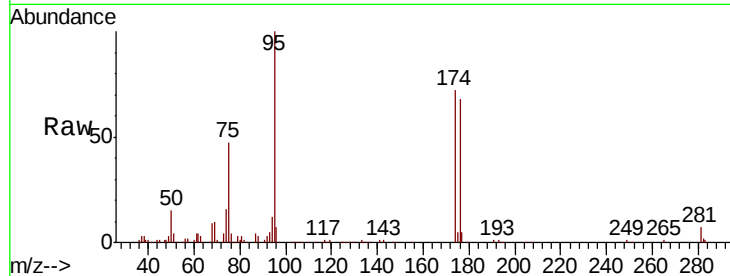
TP-5-D2

Tot Ion: 75 Resp: 30929

Ion Ratio Lower Upper

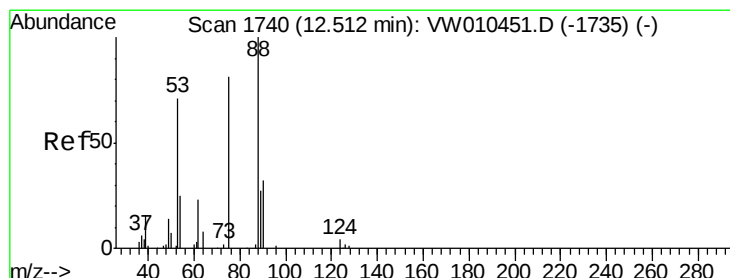
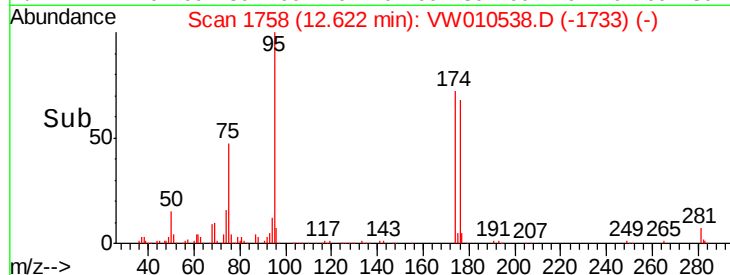
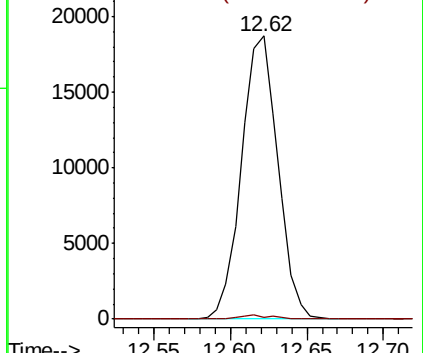
75 100

77 1.2 170.0 510.1#



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: 148.659 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010538.D

Acq: 23 May 2019 19:00

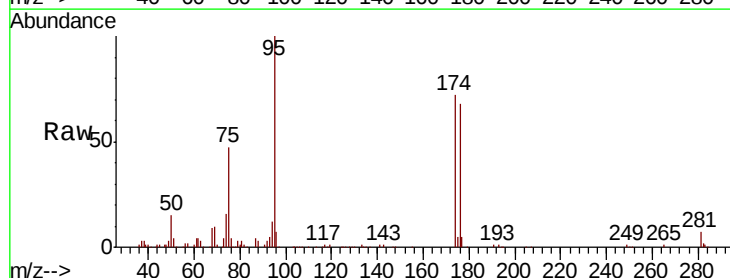
Tgt Ion: 75 Resp: 30929

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.3 39.5 59.3#



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

