

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010569.D
 Acq On : 28 May 2019 16:05
 Operator : SY/VA
 Sample : K3041-10
 Misc : 3.29G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-D2

Quant Time: May 29 07:02:09 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	107313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	183640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	55439	50.05	ug/l	0.00
Spiked Amount						
			Recovery	=	100.10%	
35) Dibromofluoromethane	7.88	113	54908	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	
50) Toluene-d8	10.32	98	215559	50.64	ug/l	0.00
Spiked Amount						
			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	71059	41.91	ug/l	0.00
Spiked Amount						
			Recovery	=	83.82%	

Target Compounds

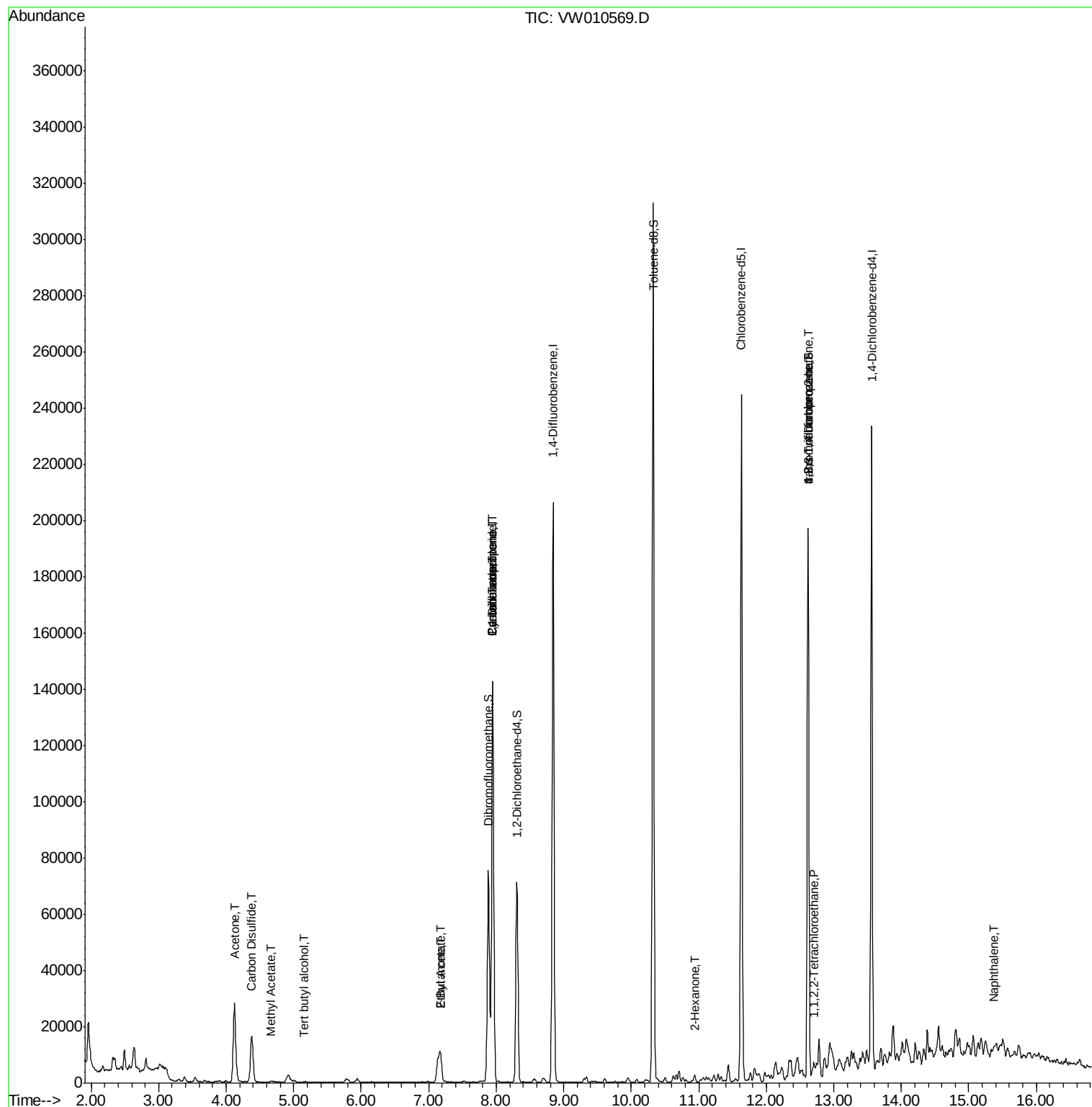
					Qvalue
11) Tert butyl alcohol	5.15	59	180	1.807 ug/l #	71
13) Acrolein	3.90	56	647	Below Cal	94
16) Acetone	4.12	43	46655	206.350 ug/l	99
17) Carbon Disulfide	4.38	76	33429	9.887 ug/l	97
18) Methyl Acetate	4.67	43	1064	1.924 ug/l #	55
20) Methylene Chloride	4.91	84	1858	Below Cal #	90
25) 2-Butanone	7.18	43	15360	47.471 ug/l	93
31) Cyclohexane	7.95	56	2232	1.061 ug/l #	17
36) 1,1-Dichloropropene	7.95	75	7600	4.443 ug/l #	48
37) Ethyl Acetate	7.18	43	15360	21.114 ug/l #	67
38) Carbon Tetrachloride	7.95	117	10745	5.823 ug/l #	16
59) 2-Hexanone	10.93	43	1127	2.145 ug/l #	24
75) 1,1,2,2-Tetrachloroethane	12.69	83	906	1.057 ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	32902	54.576 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32902	113.901 ug/l #	14
95) Naphthalene	15.37	128	3926	1.458 ug/l	96

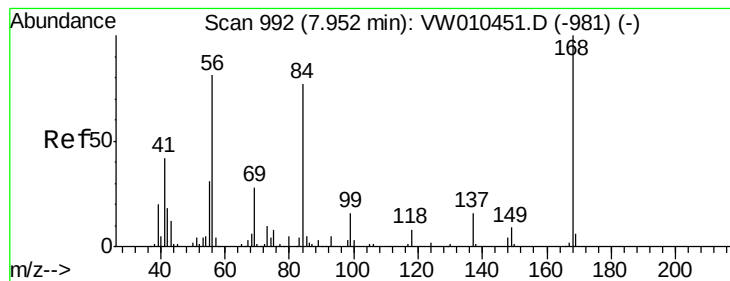
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

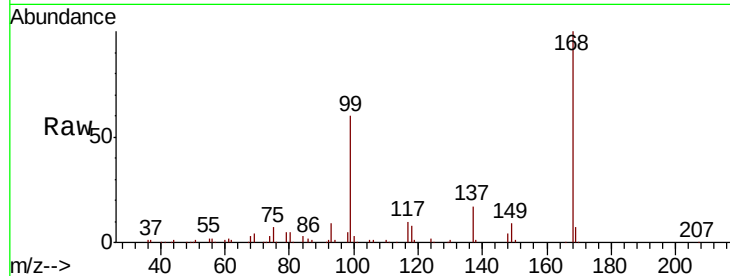
TP-2-D2

Tot Ion:168 Resp: 107313

Ion Ratio Lower Upper

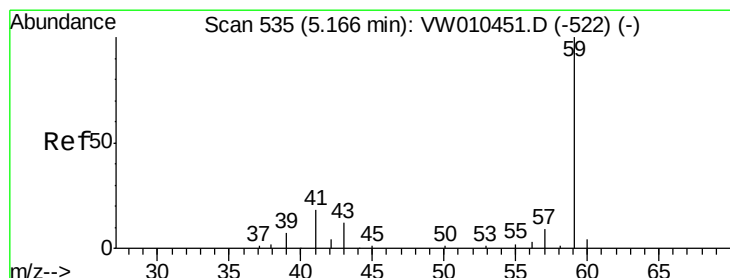
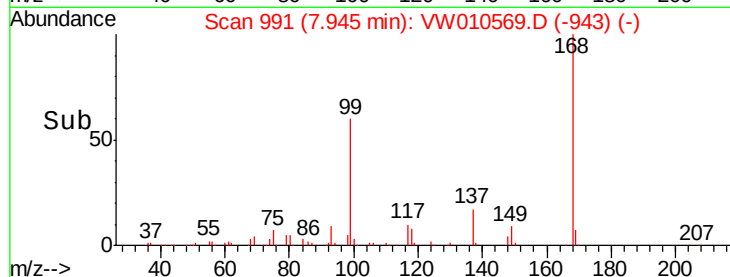
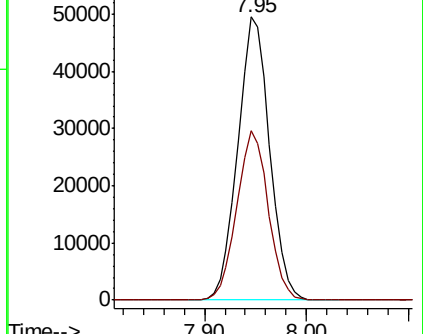
168 100

99 59.8 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: 1.807 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW010569.D

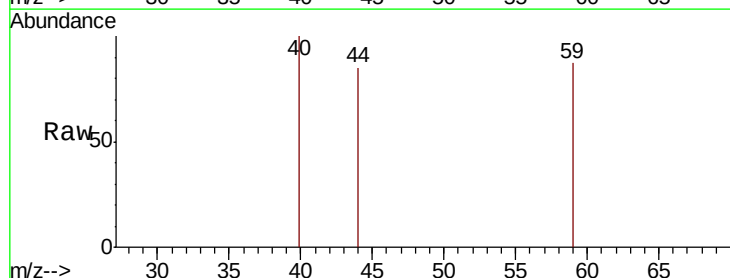
Acq: 28 May 2019 16:05

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

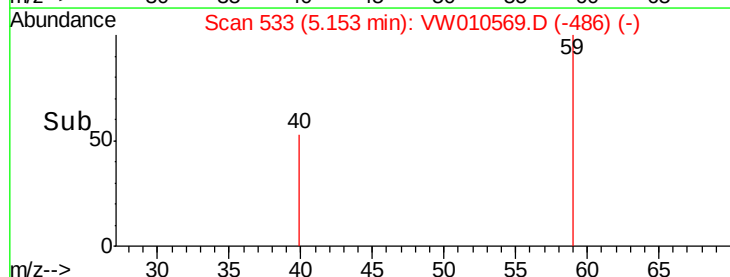
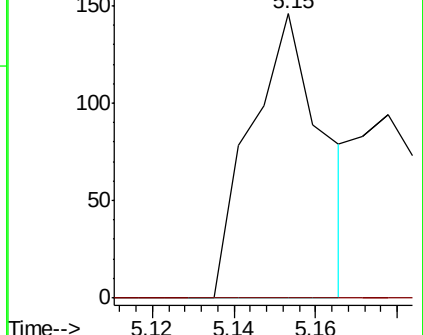
59 100

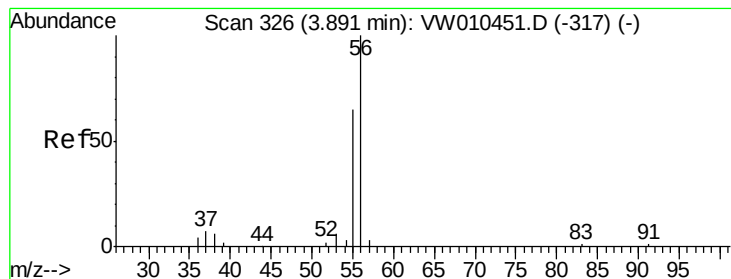
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

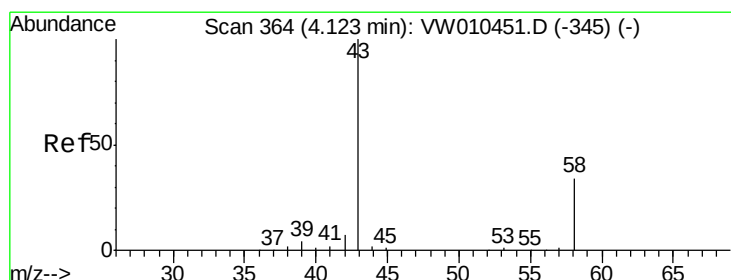
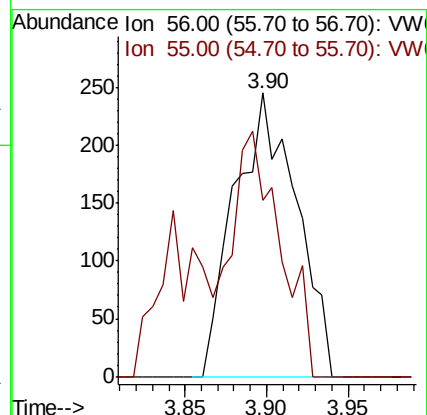
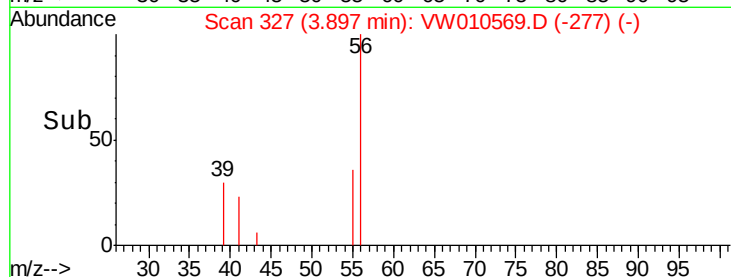
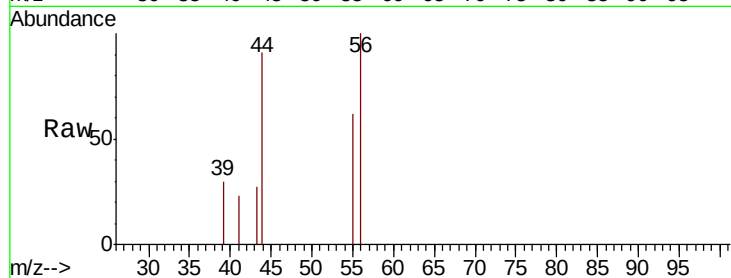
TP-2-D2

Tot Ion: 56 Resp: 647

Ion Ratio Lower Upper

56 100

55 67.1 57.9 86.9



#16

Acetone

Concen: 206.350 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010569.D

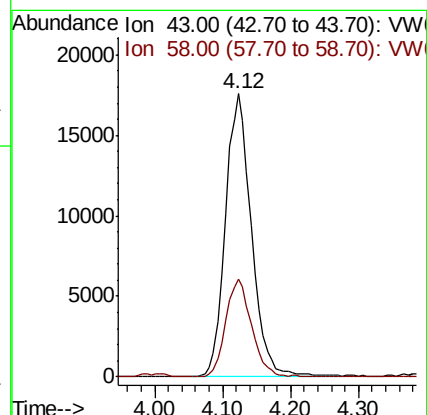
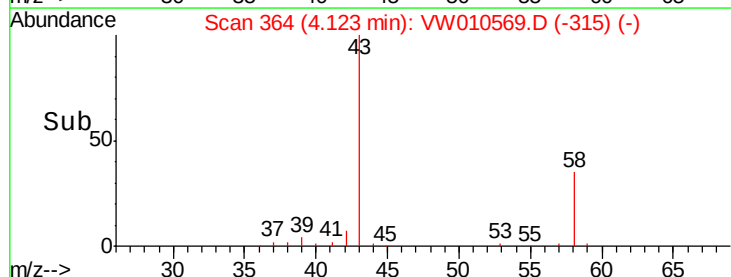
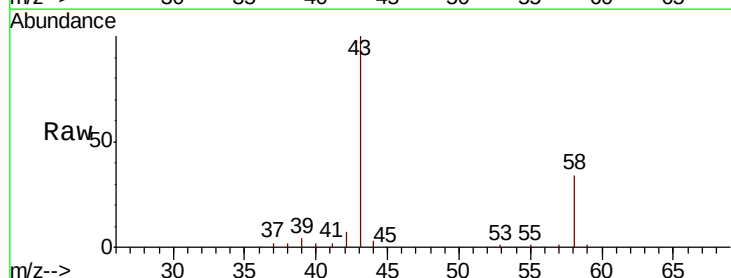
Acq: 28 May 2019 16:05

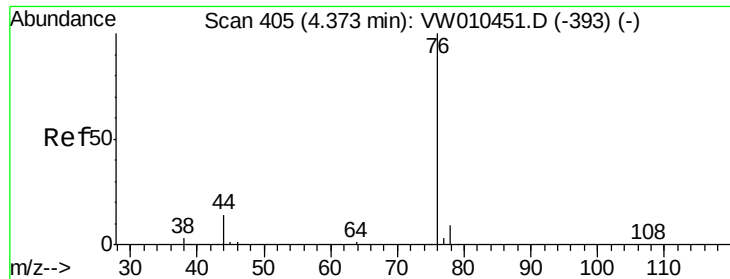
Tgt Ion: 43 Resp: 46655

Ion Ratio Lower Upper

43 100

58 34.5 27.0 40.4

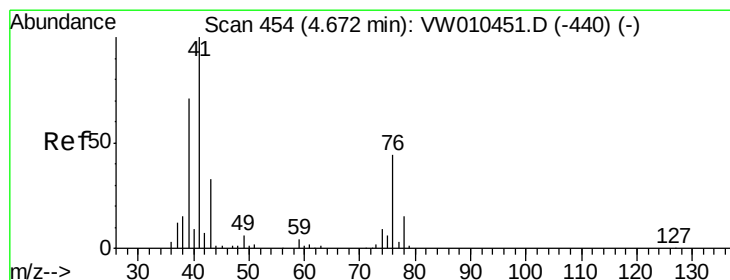
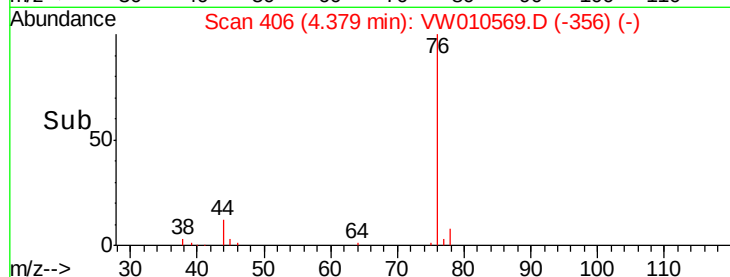
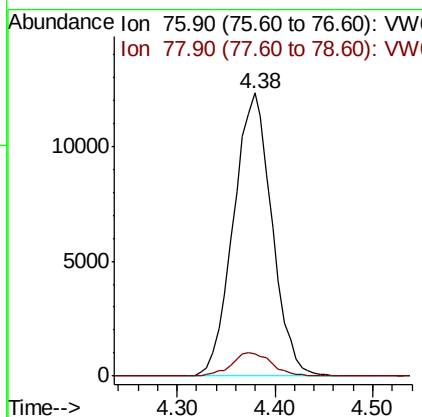
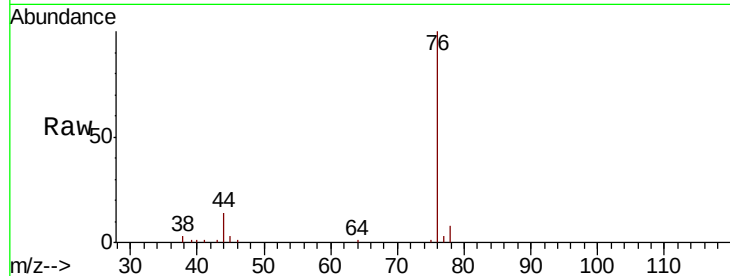




#17
Carbon Disulfide
Concen: 9.887 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

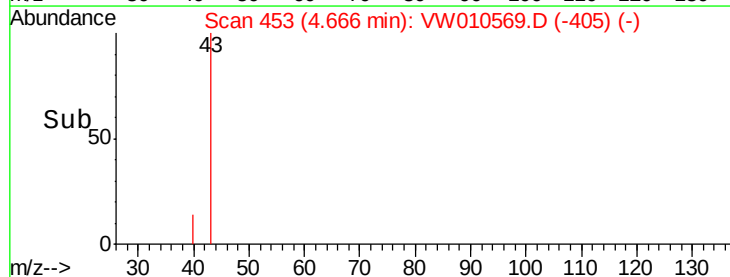
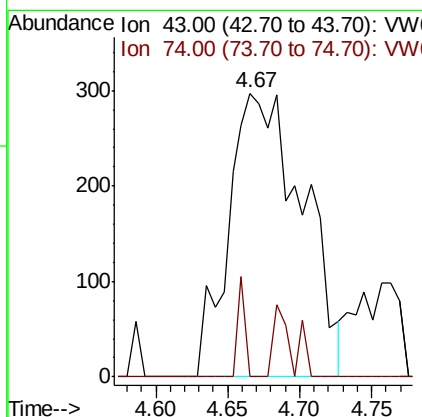
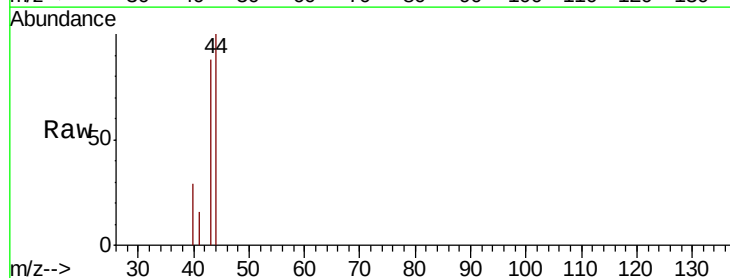
Instrument :
MSVOA_W
ClientSampleId :
TP-2-D2

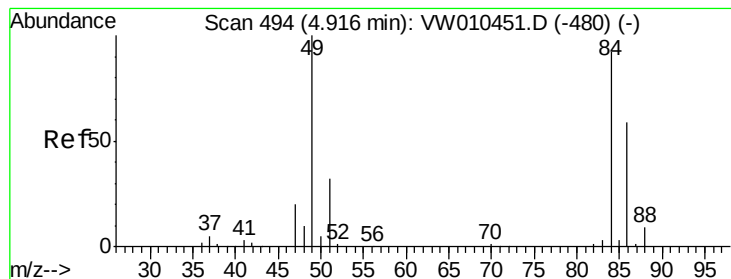
Tot Ion: 76 Resp: 33429
Ion Ratio Lower Upper
76 100
78 7.6 7.1 10.7



#18
Methyl Acetate
Concen: 1.924 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
74 3.6 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

TP-2-D2

Tot Ion: 84 Resp: 1858

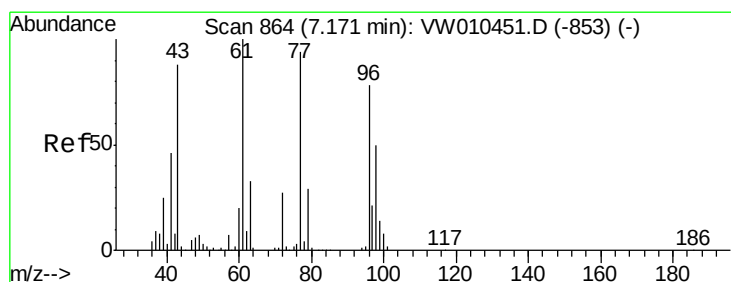
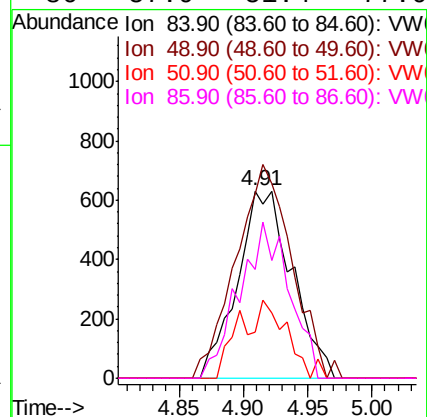
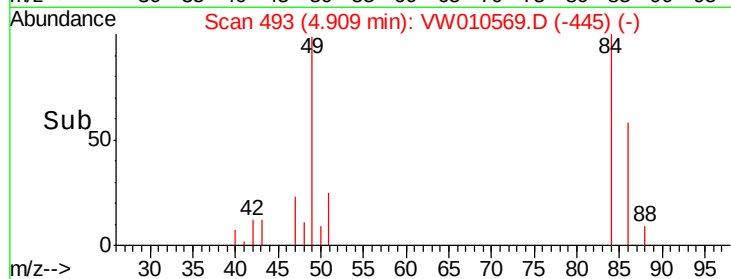
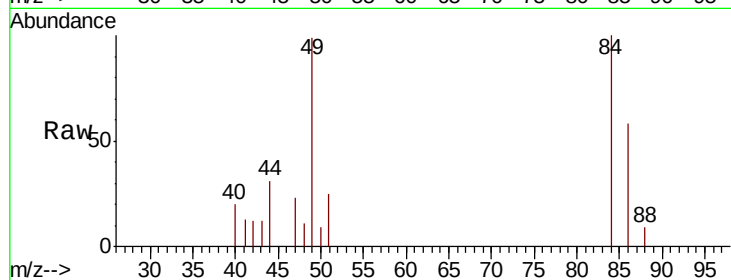
Ion Ratio Lower Upper

84 100

49 98.9 87.2 130.8

51 24.9 27.7 41.5#

86 57.9 51.4 77.0



#25

2-Butanone

Concen: 47.471 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010569.D

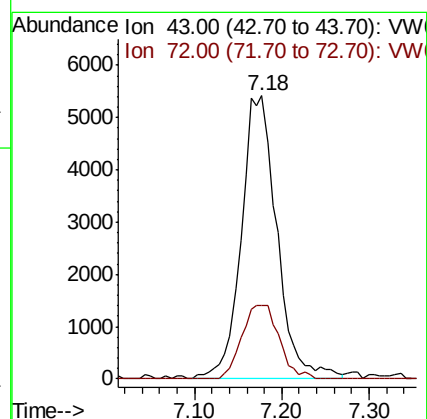
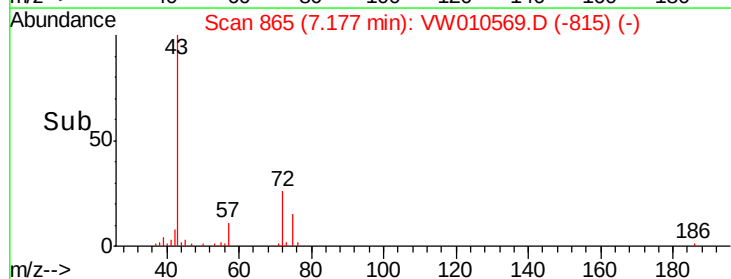
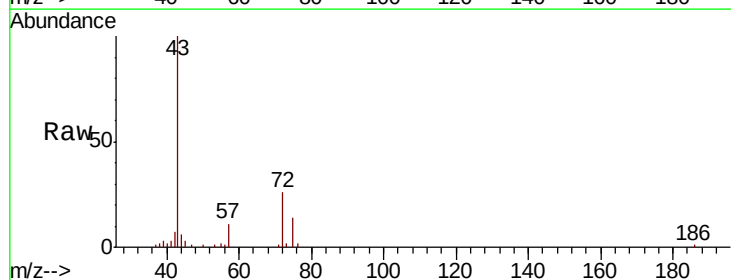
Acq: 28 May 2019 16:05

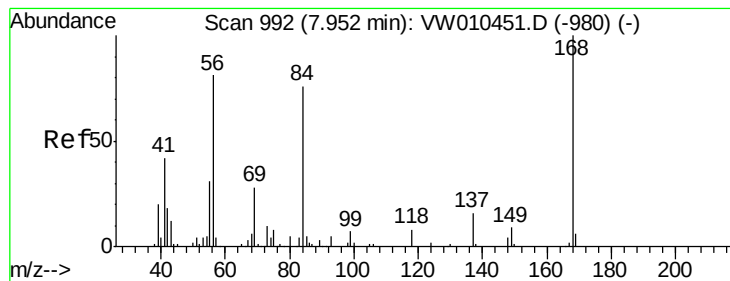
Tgt Ion: 43 Resp: 15360

Ion Ratio Lower Upper

43 100

72 26.1 24.1 36.1





#31

Cyclohexane

Concen: 1.061 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

TP-2-D2

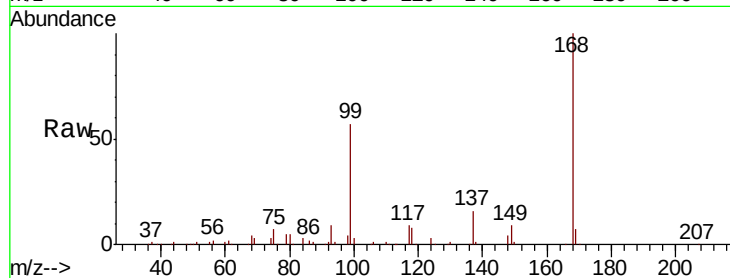
Tot Ion: 56 Resp: 2232

Ion Ratio Lower Upper

56 100

69 160.9 28.2 42.2#

84 127.3 75.8 113.8#

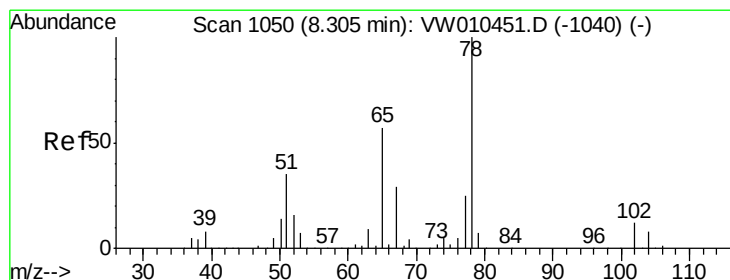
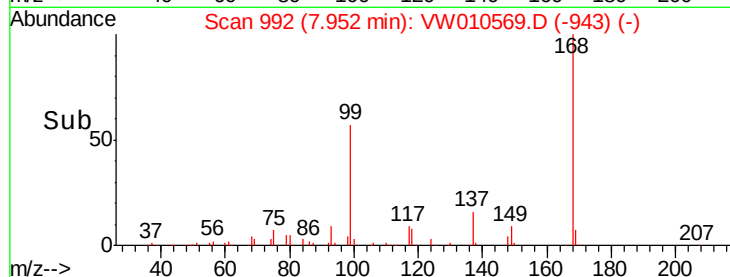
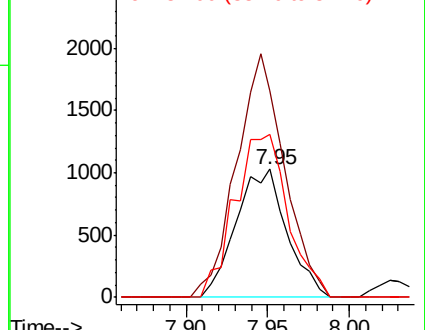


Abundance

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: 50.051 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010569.D

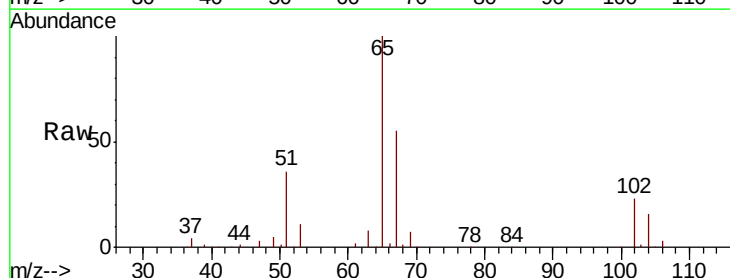
Acq: 28 May 2019 16:05

Tgt Ion: 65 Resp: 55439

Ion Ratio Lower Upper

65 100

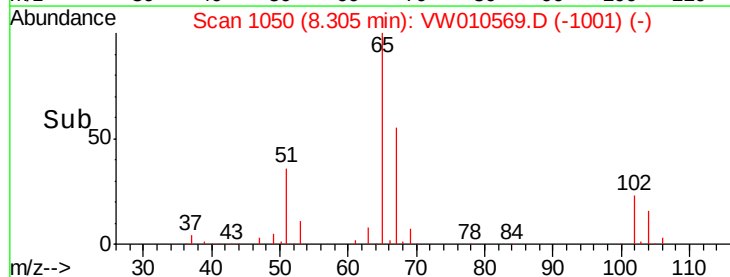
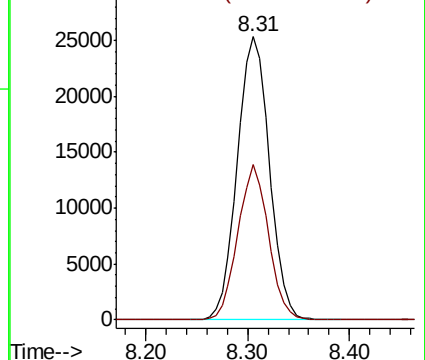
67 52.3 0.0 103.6

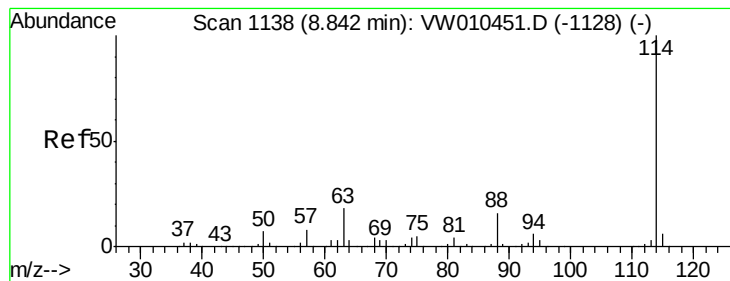


Abundance

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: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

TP-2-D2

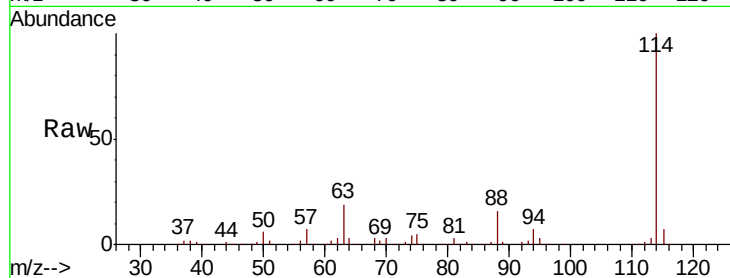
Tot Ion:114 Resp: 183640

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.0

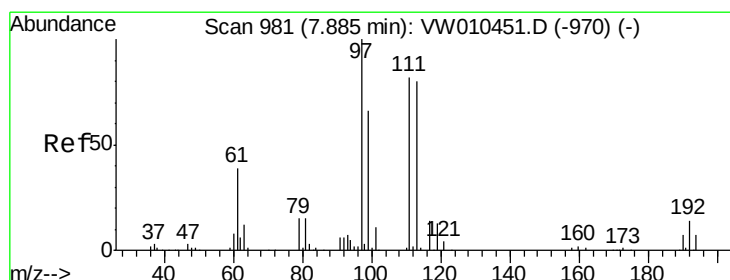
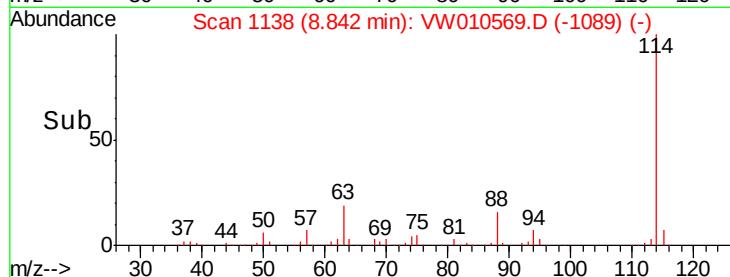
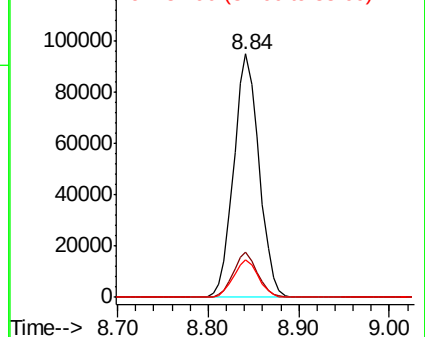
88 15.6 0.0 32.0



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: 49.276 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010569.D

Acq: 28 May 2019 16:05

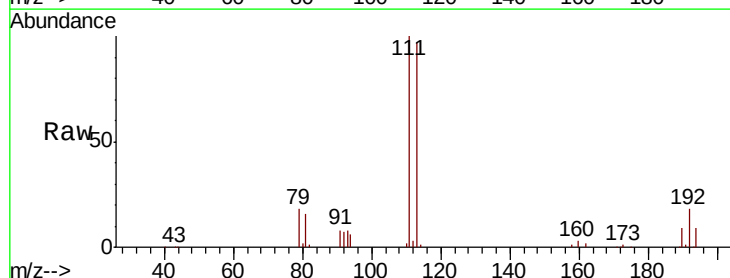
Tgt Ion:113 Resp: 54908

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

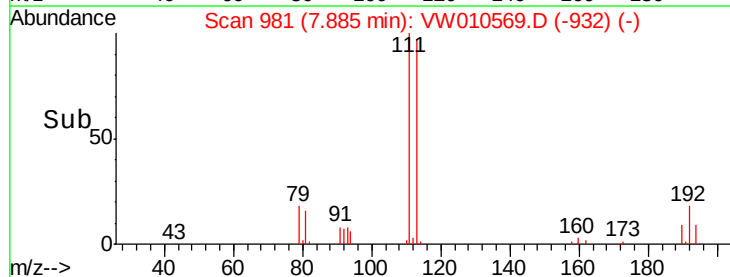
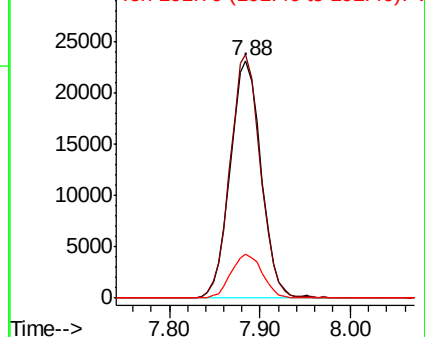
192 18.7 14.3 21.5

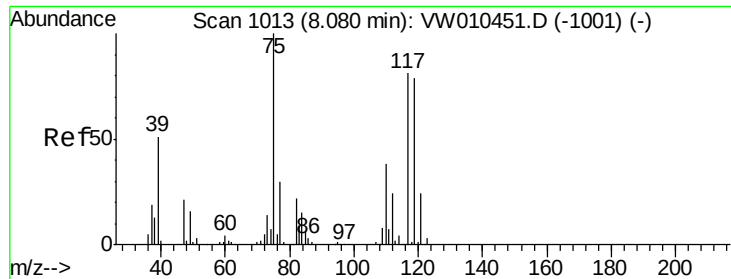


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

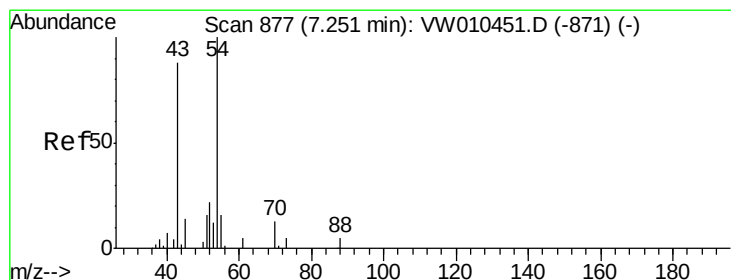
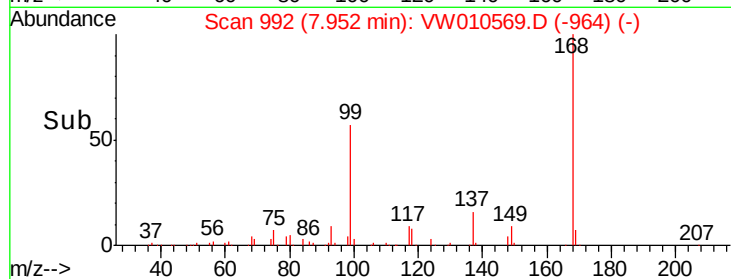
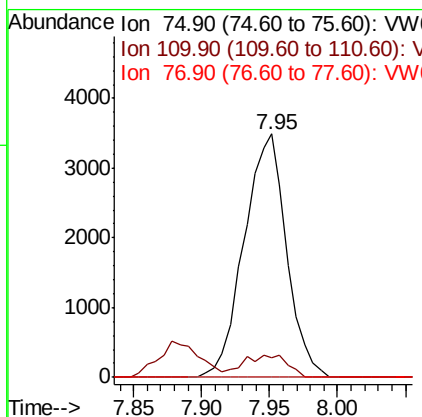
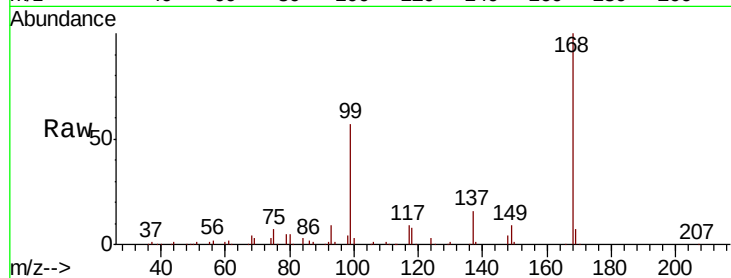




#36
 1,1-Dichloropropene
 Concen: 4.443 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010569.D
 Acq: 28 May 2019 16:05

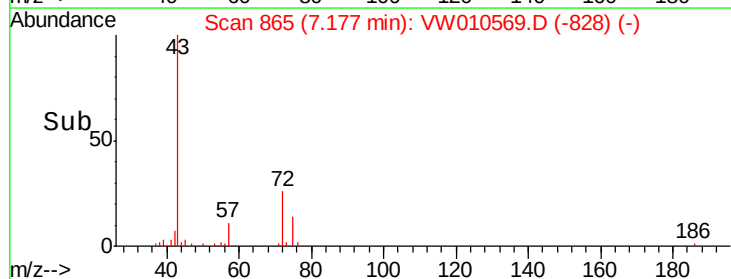
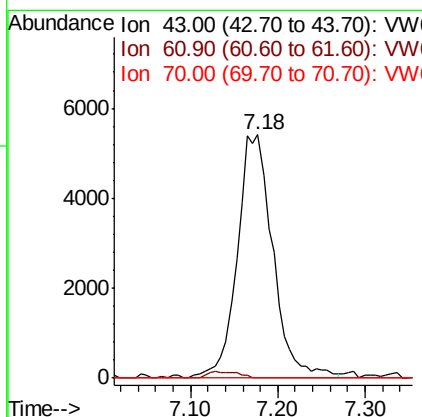
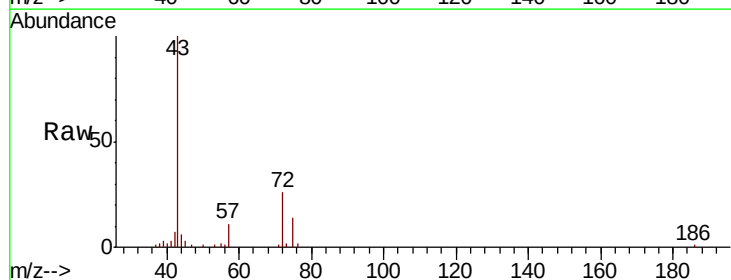
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-D2

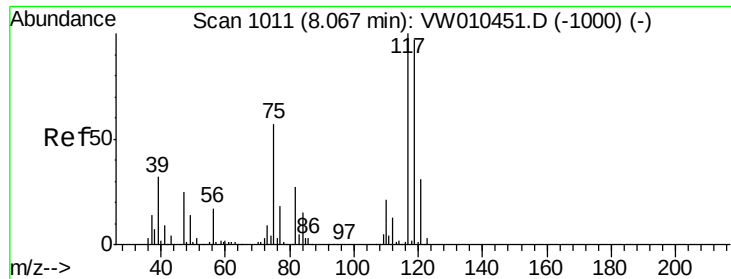
Tot Ion: 75 Resp: 7600
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.2 57.6#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 21.114 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW010569.D
 Acq: 28 May 2019 16:05

Tgt Ion: 43 Resp: 15360
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.9 14.9#





#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

TP-2-D2

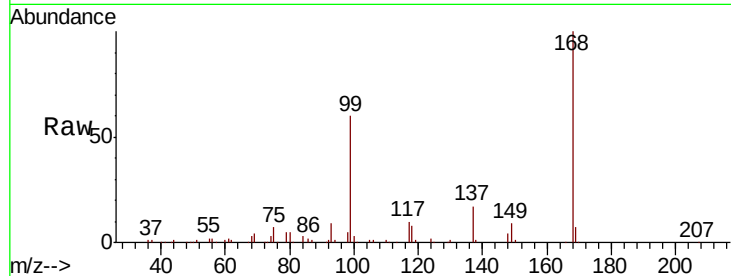
Tot Ion:117 Resp: 10745

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

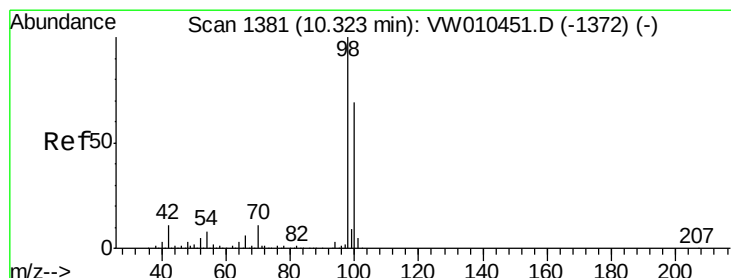
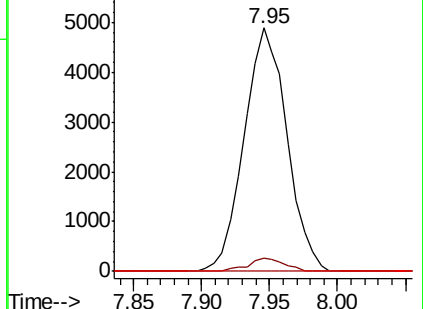
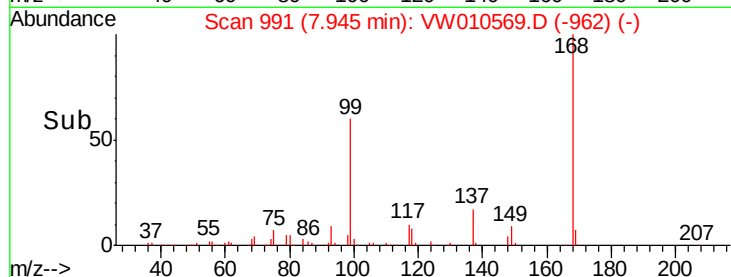
121 0.0 25.0 37.6#



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: 50.638 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010569.D

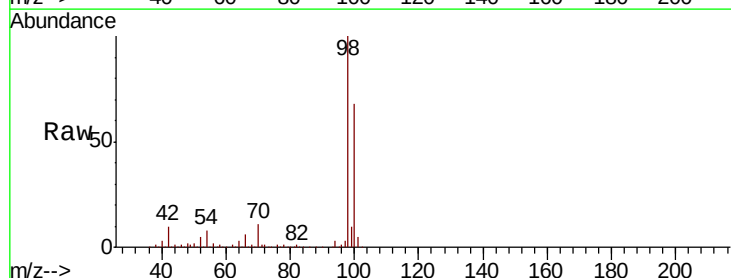
Acq: 28 May 2019 16:05

Tgt Ion: 98 Resp: 215559

Ion Ratio Lower Upper

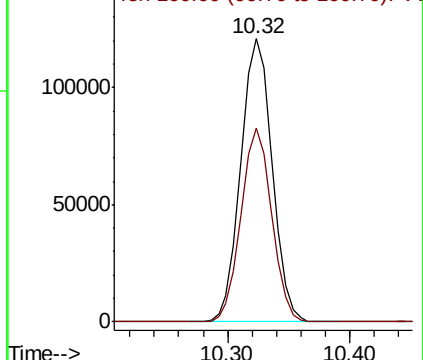
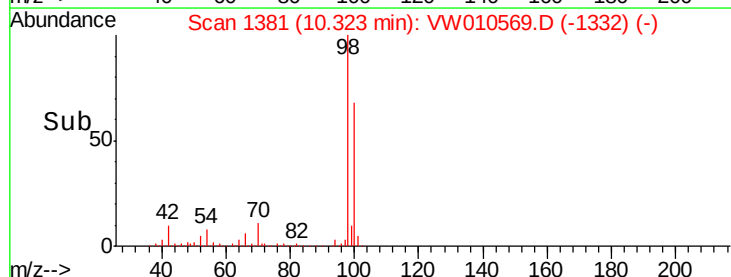
98 100

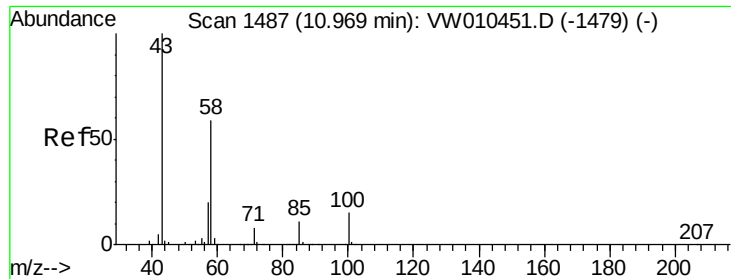
100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

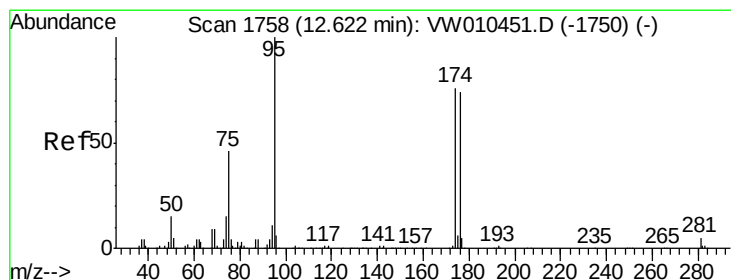
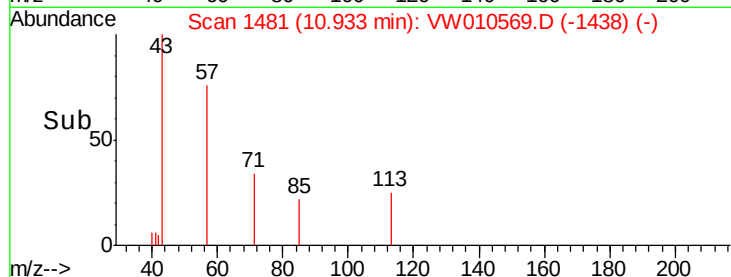
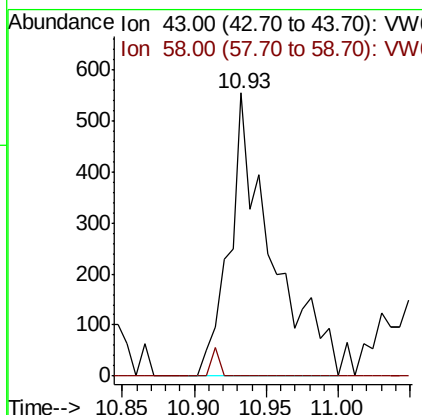
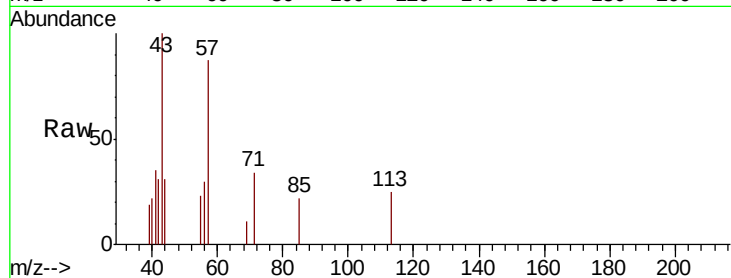




#59
2-Hexanone
Concen: 2.145 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

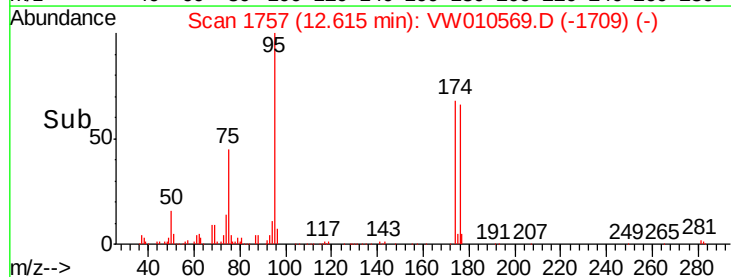
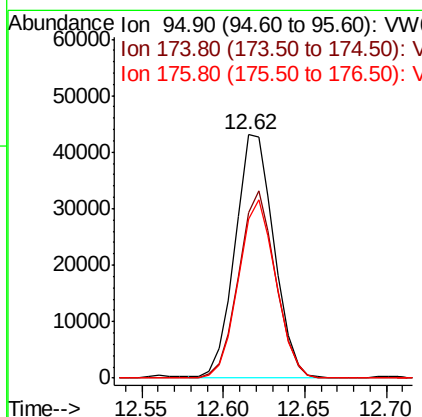
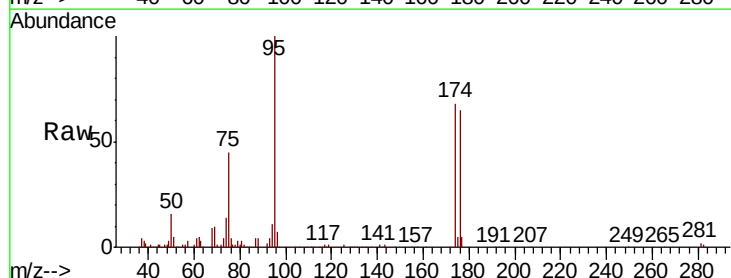
Instrument :
MSVOA_W
ClientSampleId :
TP-2-D2

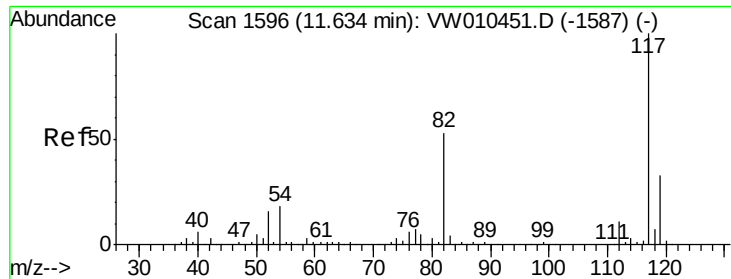
Tot Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 1.8 28.9 86.8#



#62
4-Bromofluorobenzene
Concen: 41.909 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

Tgt Ion: 95 Resp: 71059
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.6
176 71.0 0.0 144.2

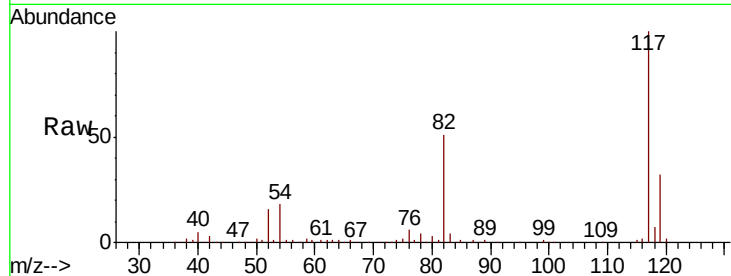




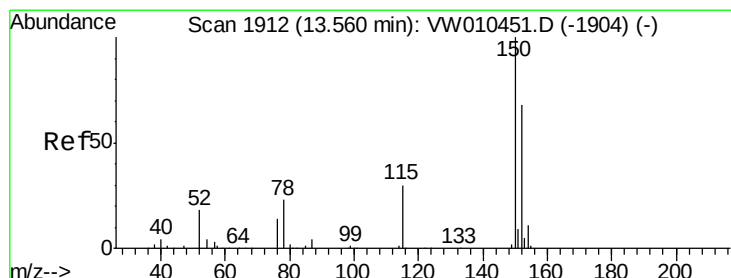
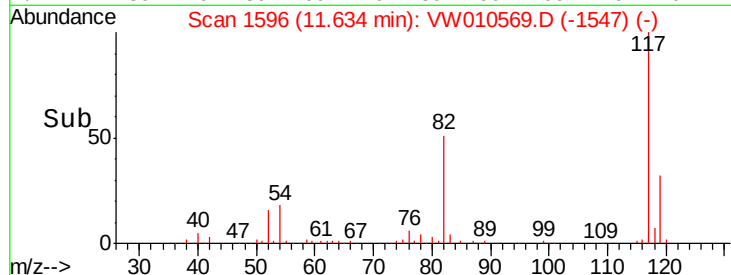
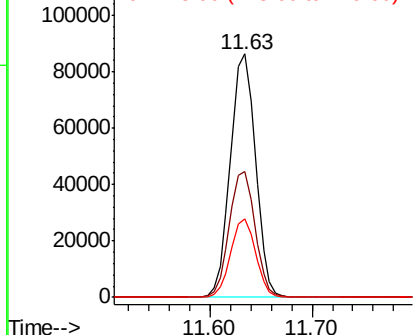
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

Instrument :
MSVOA_W
ClientSampled :
TP-2-D2

Tot Ion:117 Resp: 147710
Ion Ratio Lower Upper
117 100
82 51.3 42.8 64.2
119 32.4 26.3 39.5

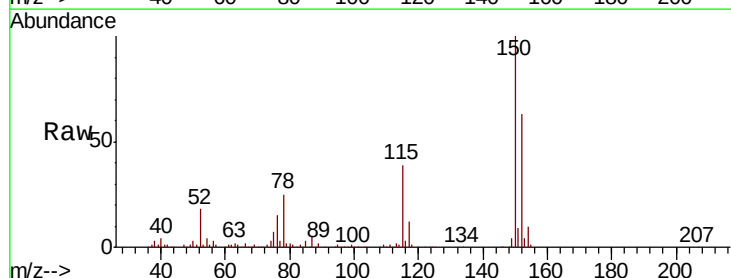


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

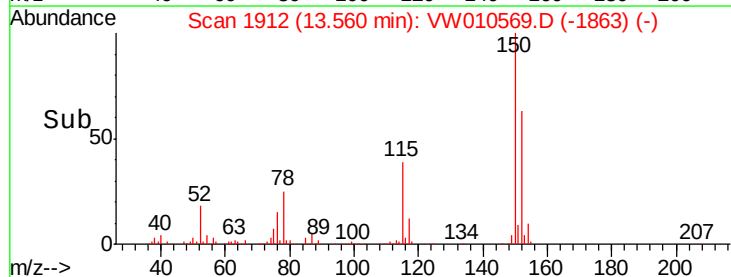
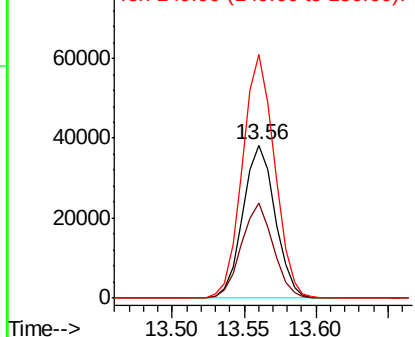


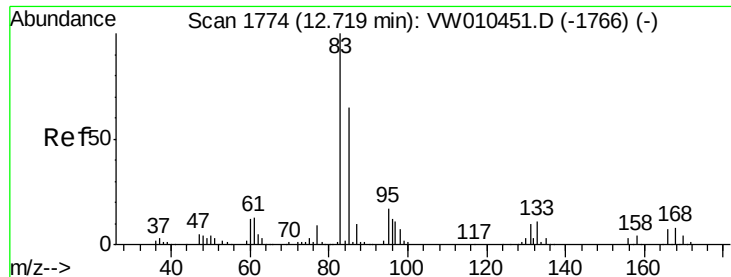
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

Tgt Ion:152 Resp: 59392
Ion Ratio Lower Upper
152 100
115 61.1 30.3 91.0
150 158.6 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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.057 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW010569.D

Acq: 28 May 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

TP-2-D2

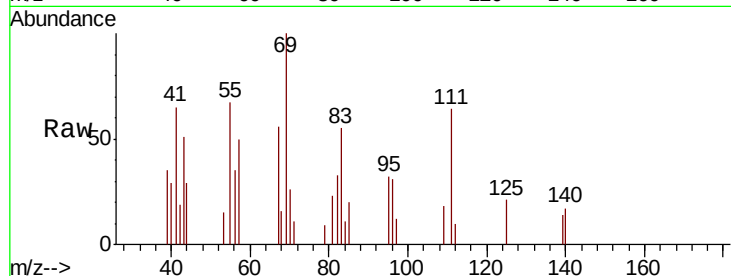
Tot Ion: 83 Resp: 906

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

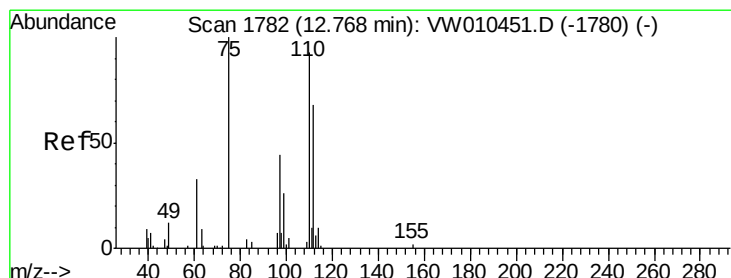
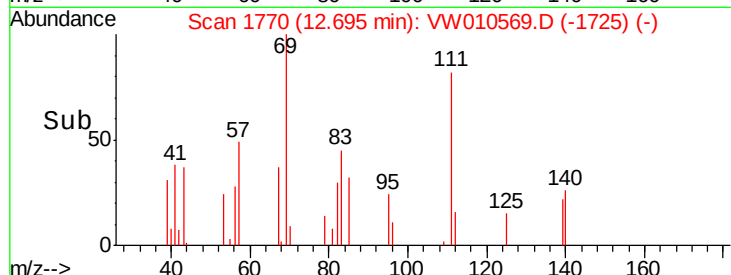
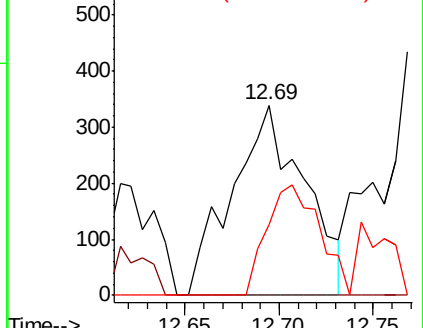
85 42.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 54.576 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010569.D

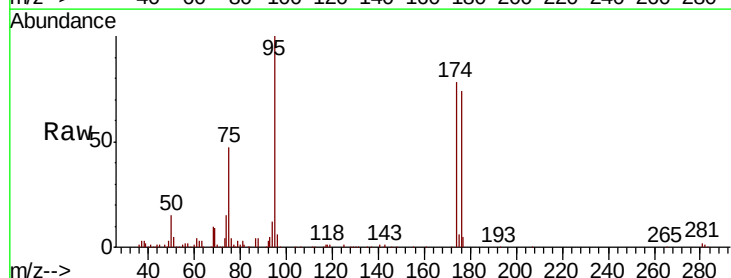
Acq: 28 May 2019 16:05

Tgt Ion: 75 Resp: 32902

Ion Ratio Lower Upper

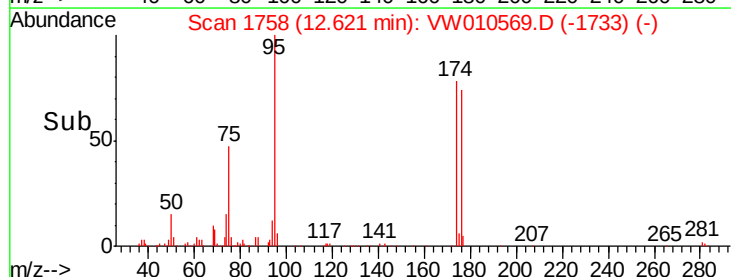
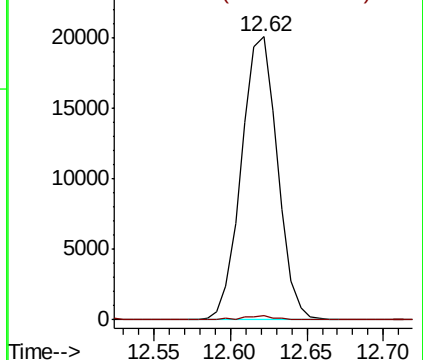
75 100

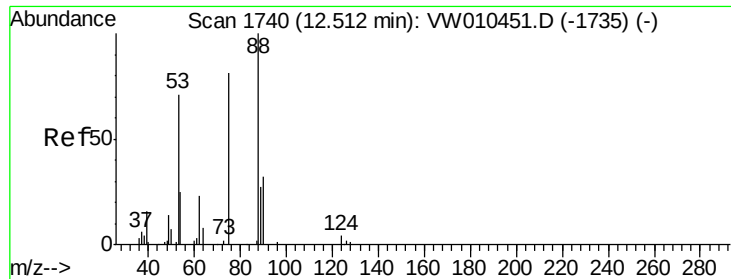
77 1.4 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

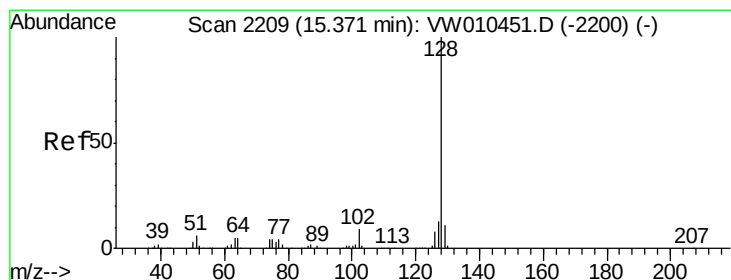
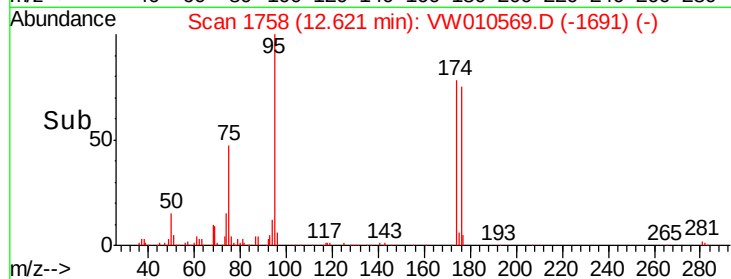
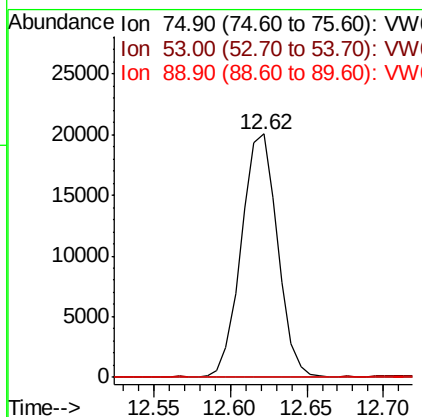
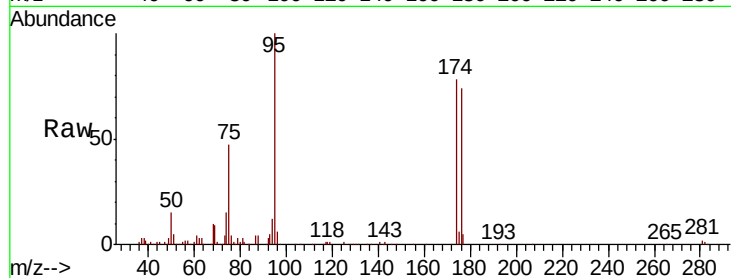




#81
trans-1,4-Dichloro-2-butene
Concen: 113.901 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

Instrument :
MSVOA_W
ClientSampled :
TP-2-D2

Tot Ion: 75 Resp: 32902
Ion Ratio Lower Upper
75 100
53 0.3 69.8 104.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 1.458 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010569.D
Acq: 28 May 2019 16:05

Tgt Ion: 128 Resp: 3926
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 9.9 8.9 13.3

