

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010570.D
 Acq On : 28 May 2019 16:33
 Operator : SY/VA
 Sample : K3041-06
 Misc : 3.27G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-S2

Quant Time: May 29 07:02:20 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	127634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	218746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	171274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56627	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	65851	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	7.88	113	67620	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.32	98	262850	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.62	95	77220	38.23	ug/l	0.00
Spiked Amount			Recovery	=	76.46%	

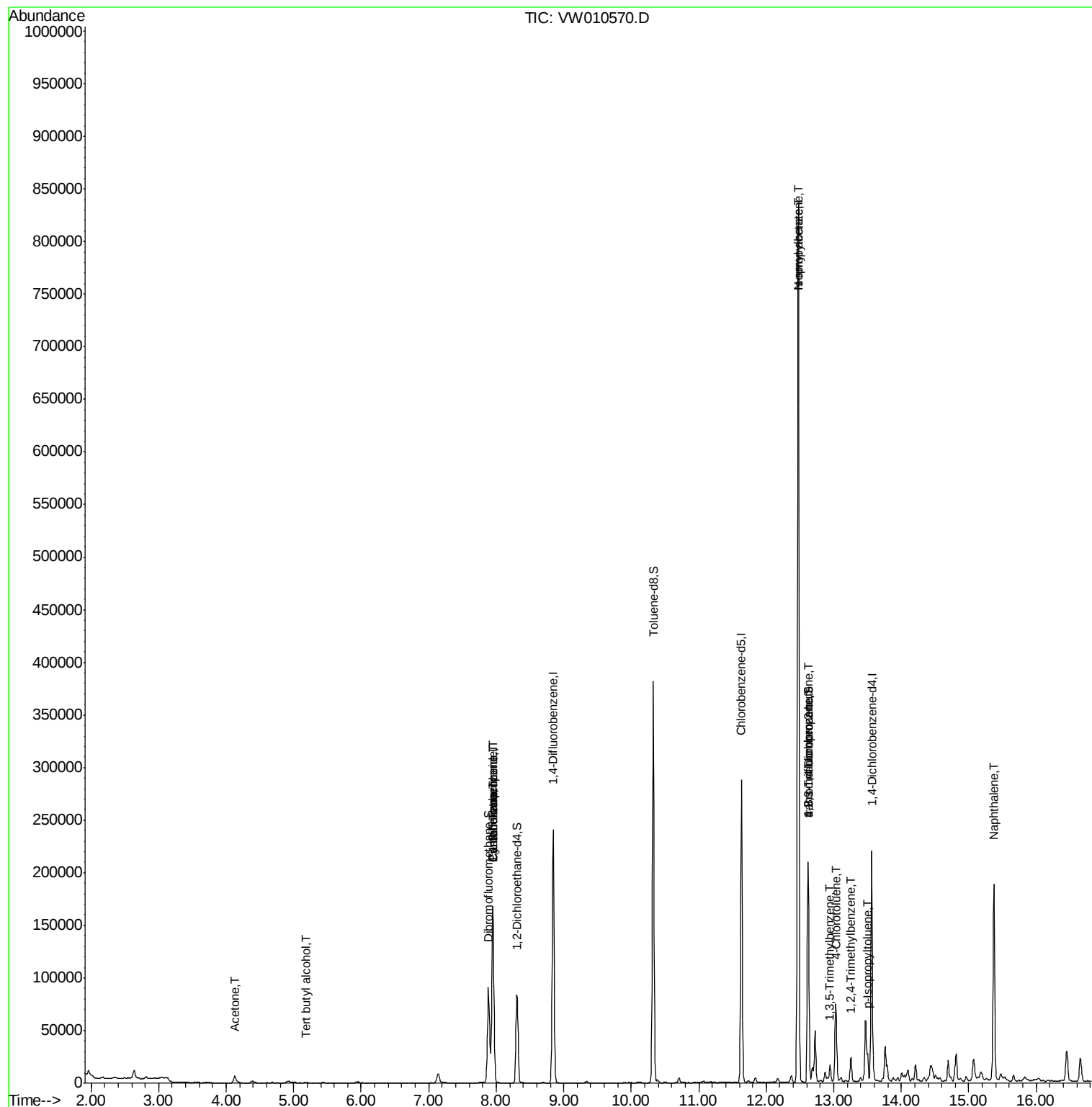
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	222	1.873	ug/l #	71
13) Acrolein	3.89	56	22	Below Cal	#	13
16) Acetone	4.13	43	11329	42.129	ug/l	98
20) Methylene Chloride	4.91	84	1646	Below Cal	#	84
31) Cyclohexane	7.95	56	2691	1.076	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	9368	4.597	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13039	5.932	ug/l #	15
73) Isopropylbenzene	12.48	105	40269	8.962	ug/l #	58
74) N-amyl acetate	12.48	43	15950	15.490	ug/l #	12
76) 1,2,3-Trichloropropane	12.62	75	35823	62.323	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	7297	1.917	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	35823	130.069	ug/l #	14
82) 4-Chlorotoluene	13.03	91	9460	3.001	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.26	105	12880	3.398	ug/l	99
86) p-Isopropyltoluene	13.50	119	14392	3.418	ug/l #	76
95) Naphthalene	15.37	128	164720	64.159	ug/l	99

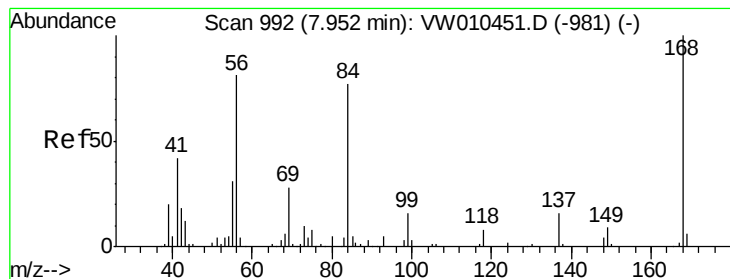
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

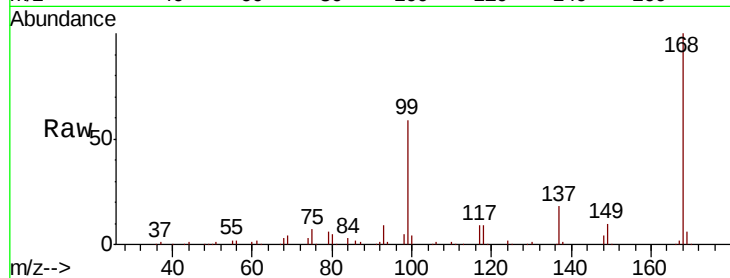
TP-2-S2

Tot Ion:168 Resp: 127634

Ion Ratio Lower Upper

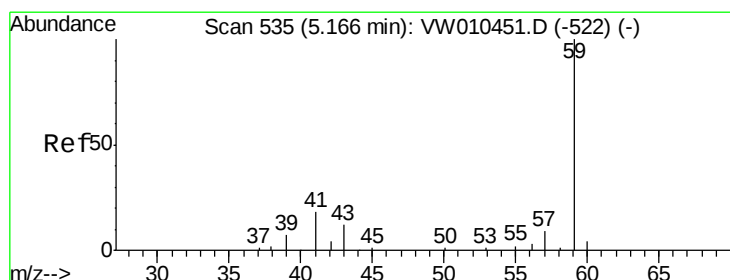
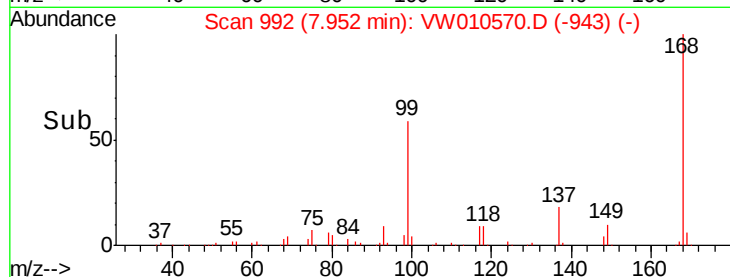
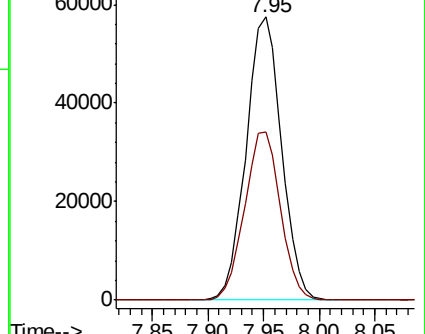
168 100

99 59.5 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: 1.873 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010570.D

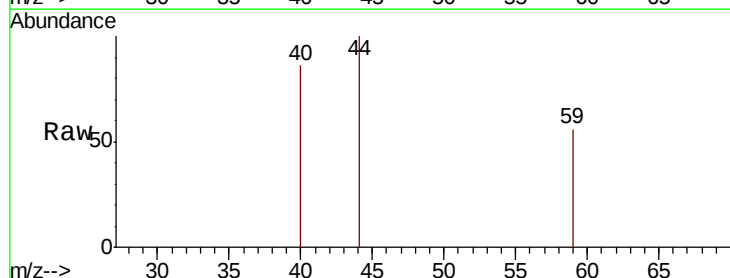
Acq: 28 May 2019 16:33

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

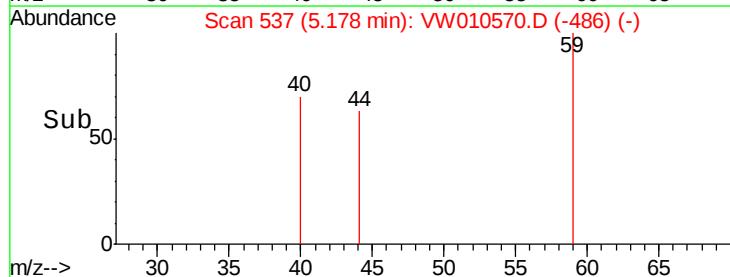
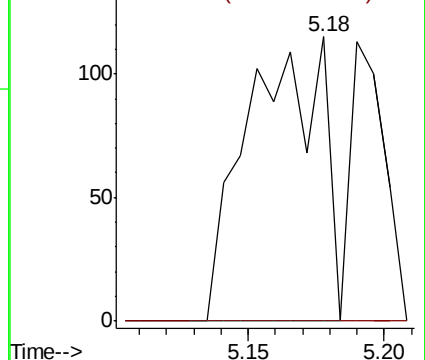
59 100

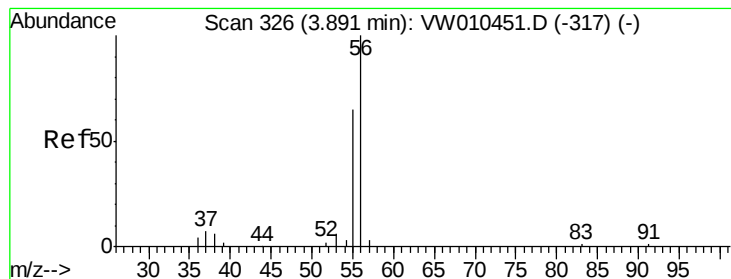
57 0.0 8.8 13.2#



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: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

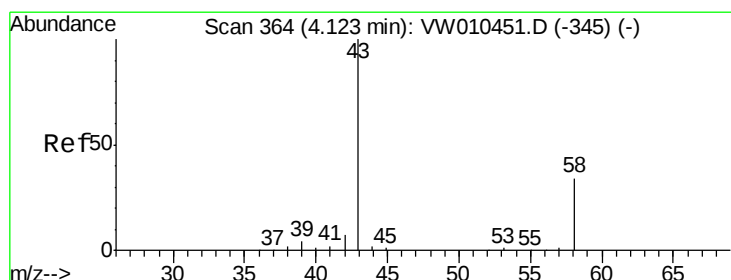
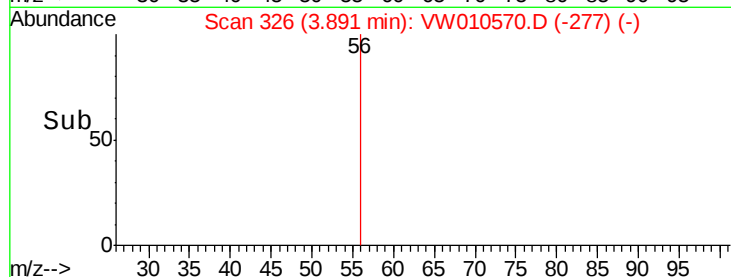
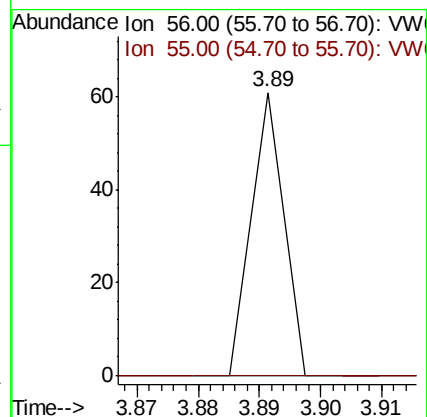
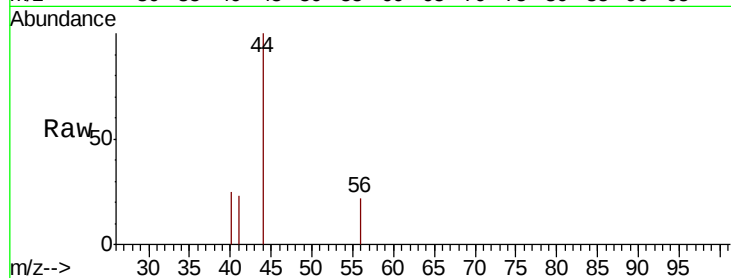
TP-2-S2

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 42.129 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010570.D

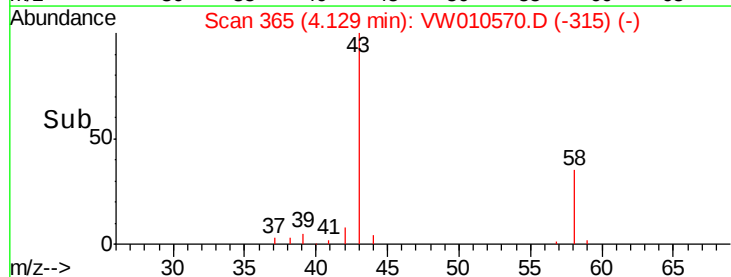
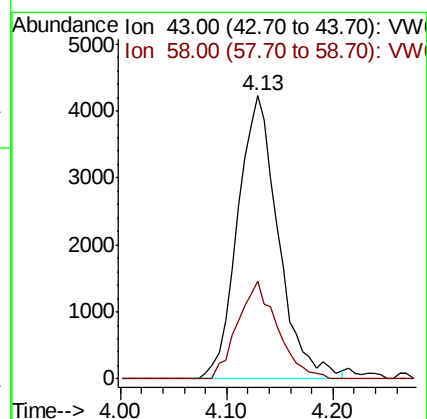
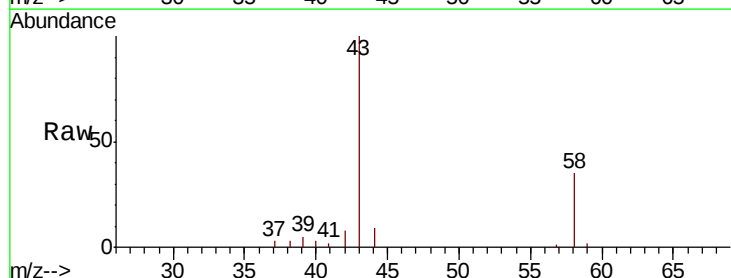
Acq: 28 May 2019 16:33

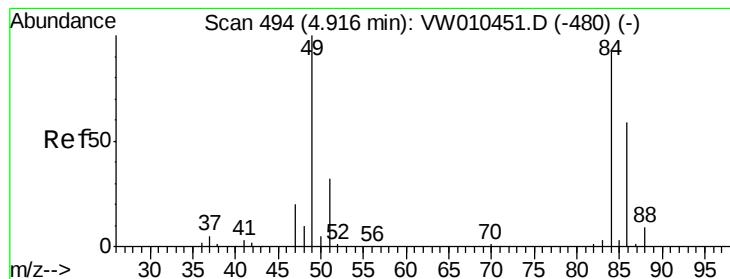
Tgt Ion: 43 Resp: 11329

Ion Ratio Lower Upper

43 100

58 34.6 27.0 40.4





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

TP-2-S2

Tot Ion: 84 Resp: 1646

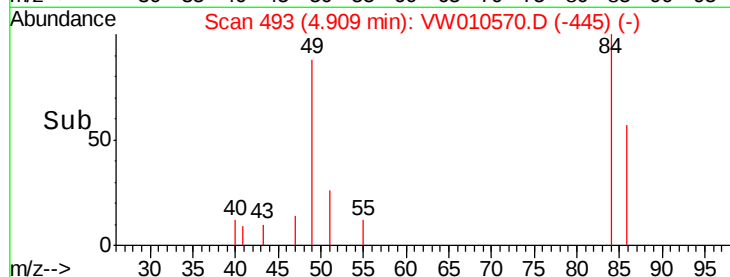
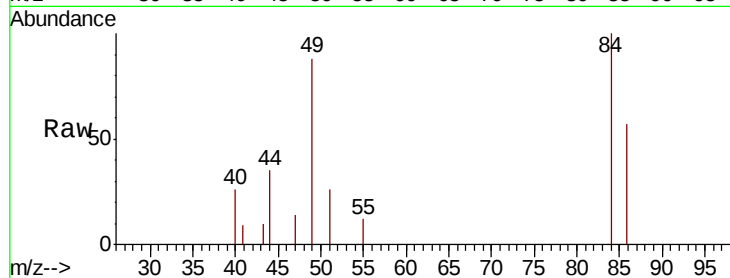
Ion Ratio Lower Upper

84 100

49 87.6 87.2 130.8

51 26.0 27.7 41.5#

86 56.7 51.4 77.0

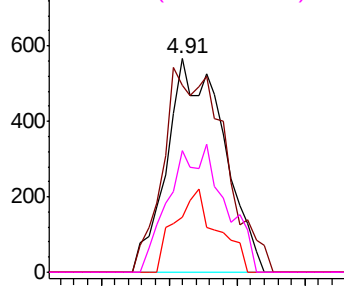


Abundance Ion 83.90 (83.60 to 84.60): VW

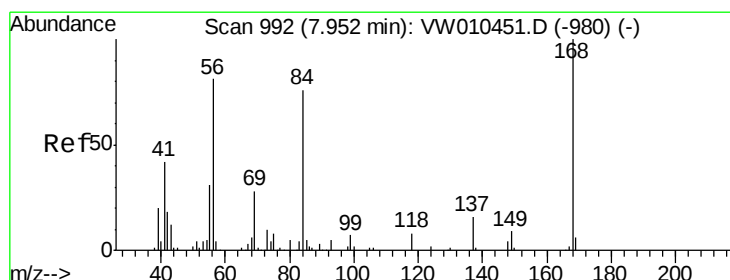
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

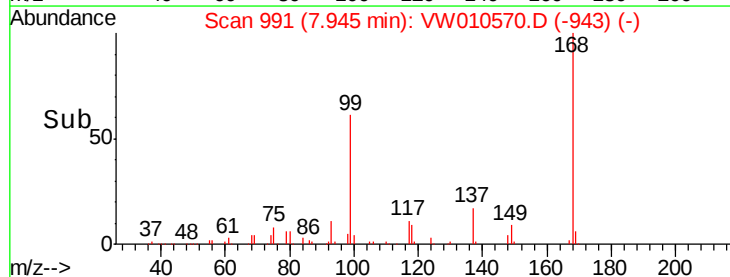
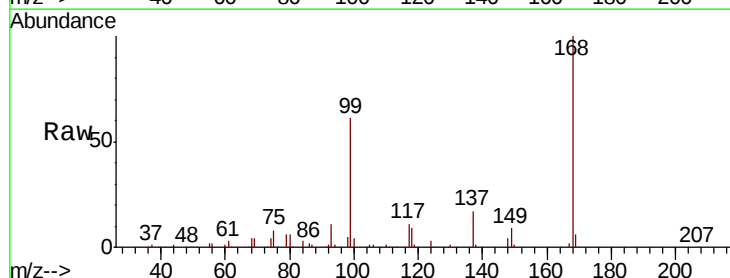
Tgt Ion: 56 Resp: 2691

Ion Ratio Lower Upper

56 100

69 165.7 28.2 42.2#

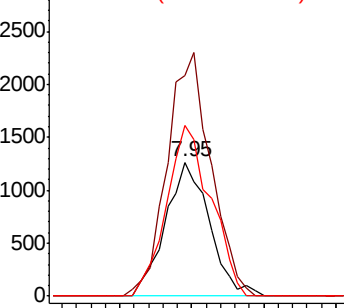
84 127.9 75.8 113.8#



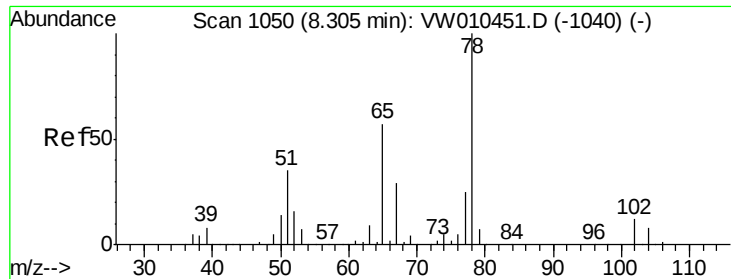
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



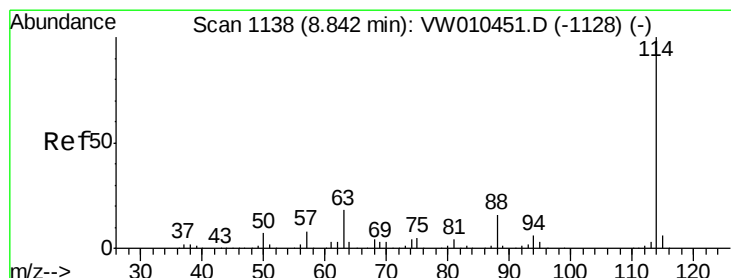
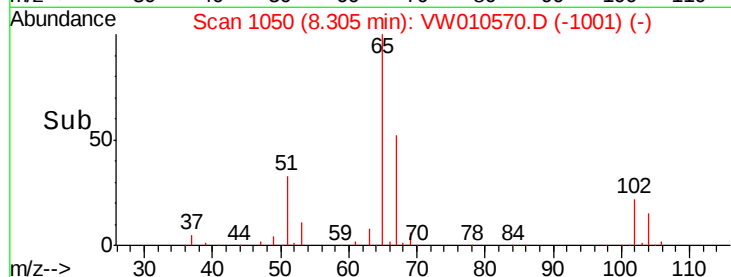
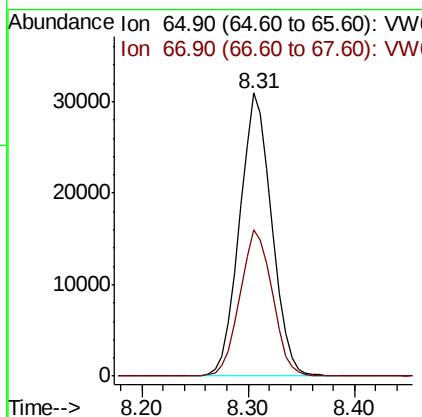
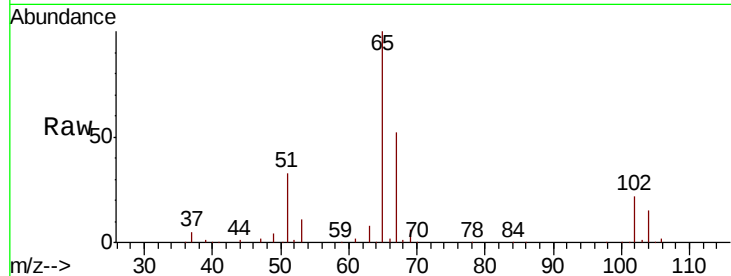
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 49.986 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010570.D
 Acq: 28 May 2019 16:33

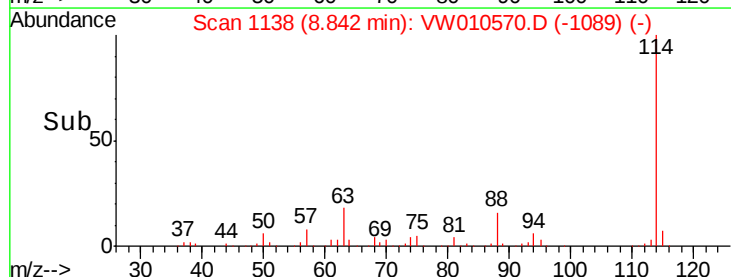
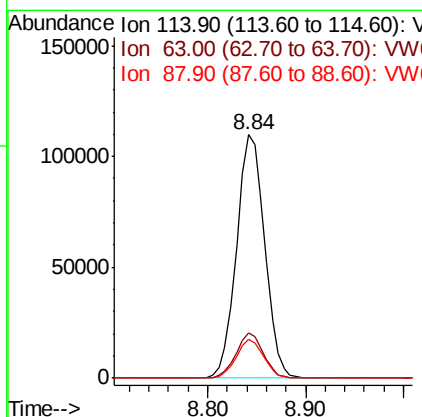
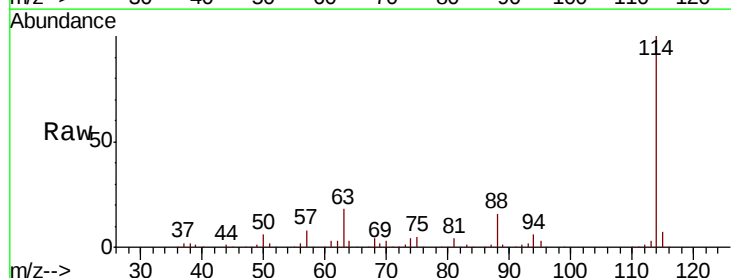
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-S2

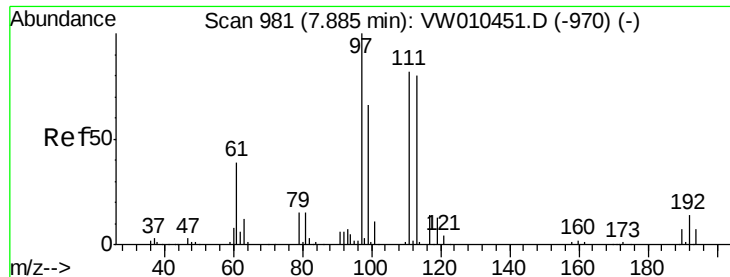
Tot Ion: 65 Resp: 65851
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010570.D
 Acq: 28 May 2019 16:33

Tgt Ion: 114 Resp: 218746
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 15.8 0.0 32.0

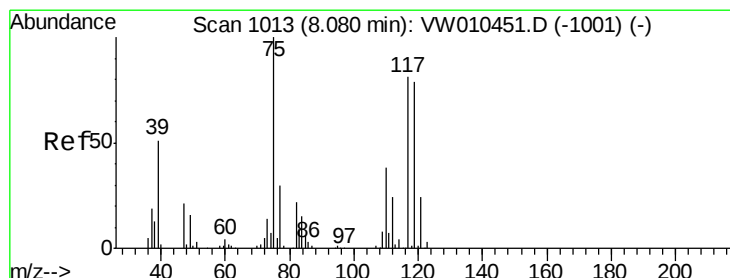
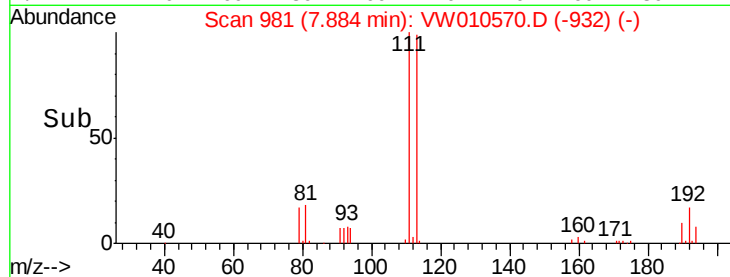
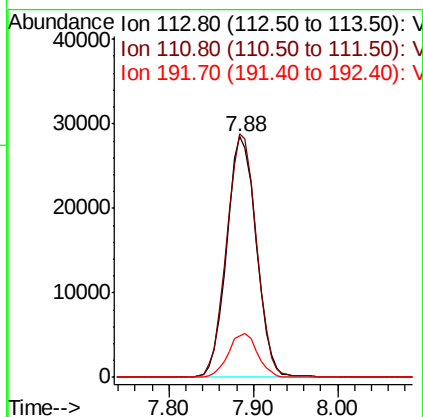
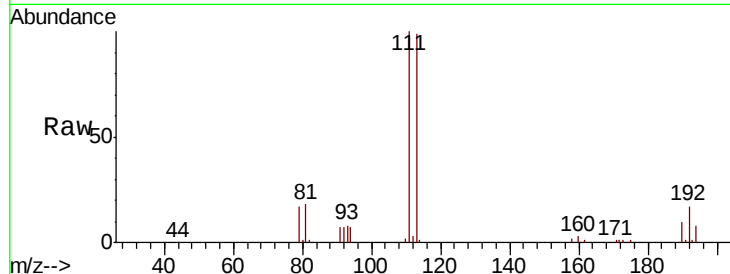




#35
 Dibromofluoromethane
 Concen: 50.945 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010570.D
 Acq: 28 May 2019 16:33

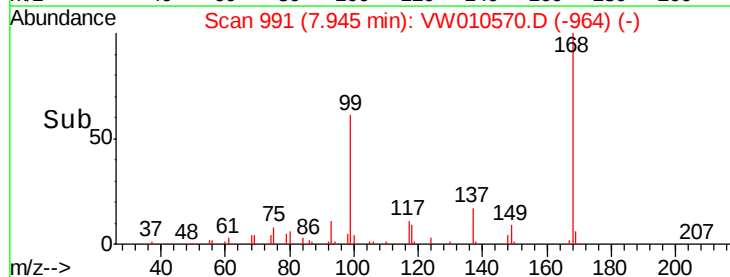
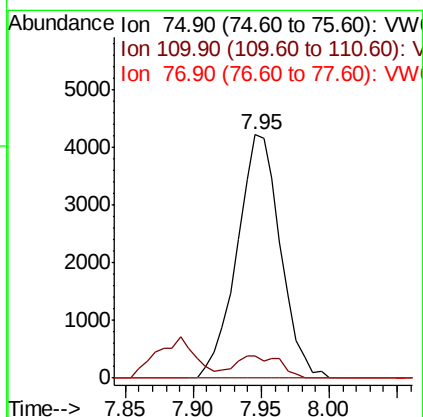
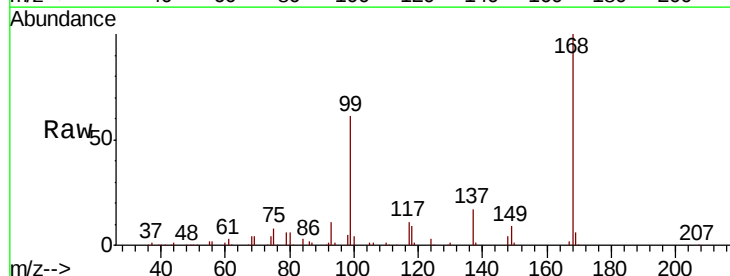
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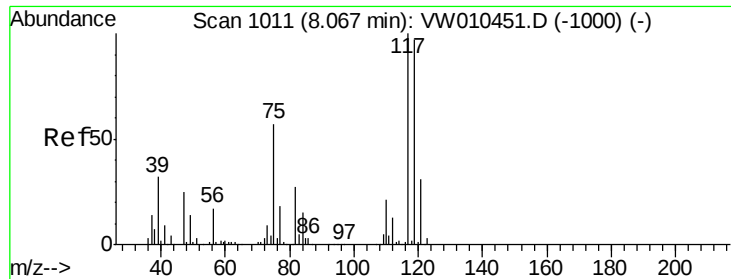
Tot Ion:113 Resp: 67620
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 18.0 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.597 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010570.D
 Acq: 28 May 2019 16:33

Tgt Ion: 75 Resp: 9368
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.2 57.6#
 77 0.0 25.2 37.8#

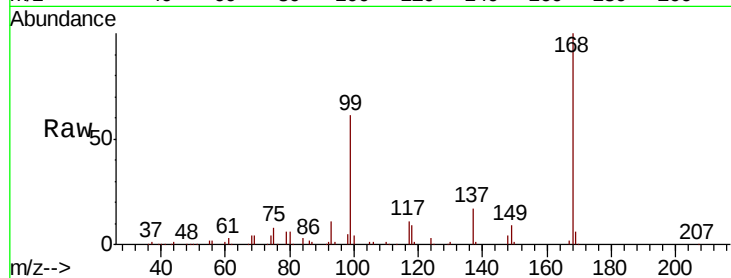




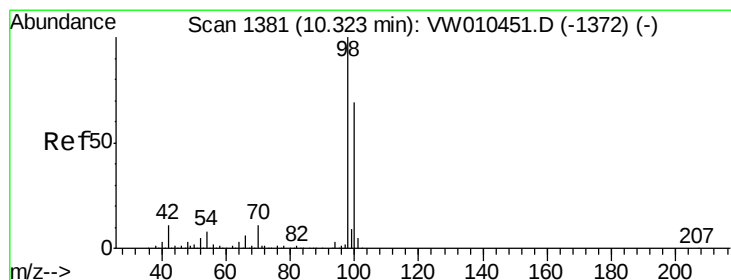
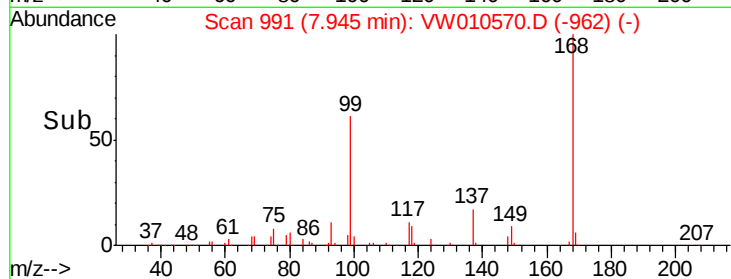
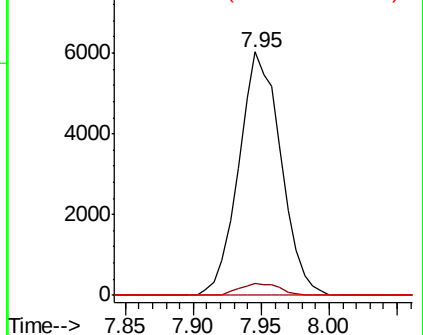
#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Instrument :
MSVOA_W
ClientSampled :
TP-2-S2

Tot Ion:117 Resp: 13039
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.0 37.6#

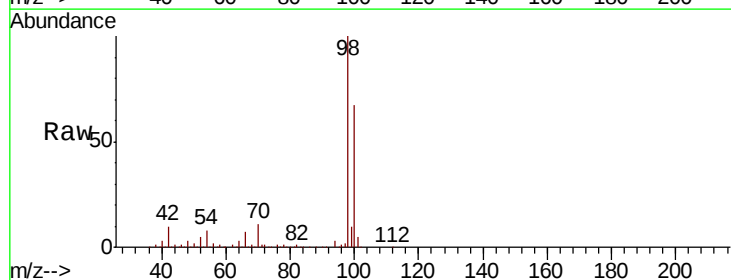


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

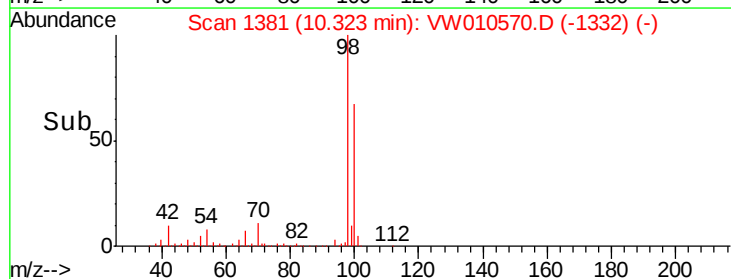
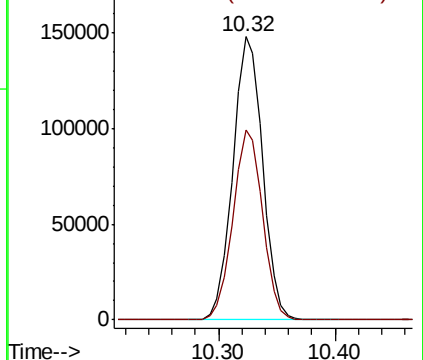


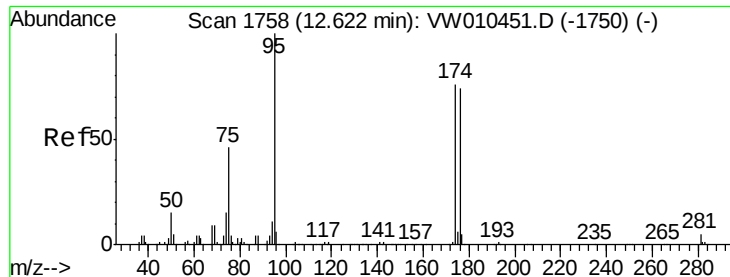
#50
Toluene-d8
Concen: 51.838 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Tgt Ion: 98 Resp: 262850
Ion Ratio Lower Upper
98 100
100 67.1 53.7 80.5



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

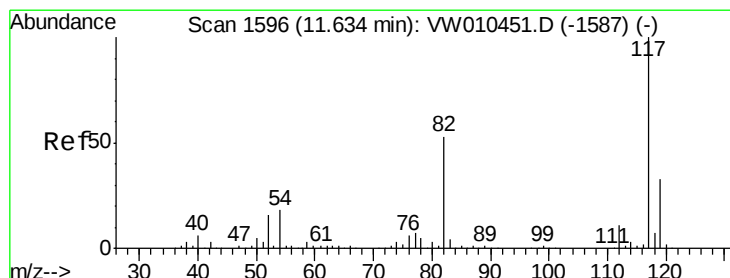
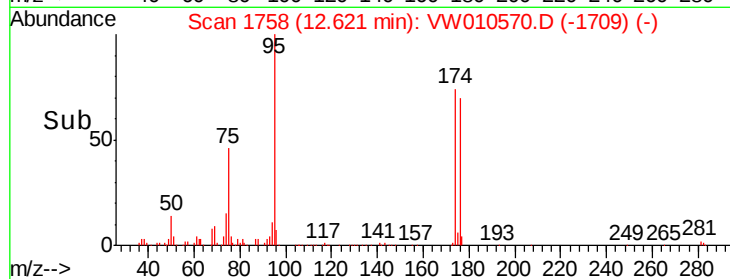
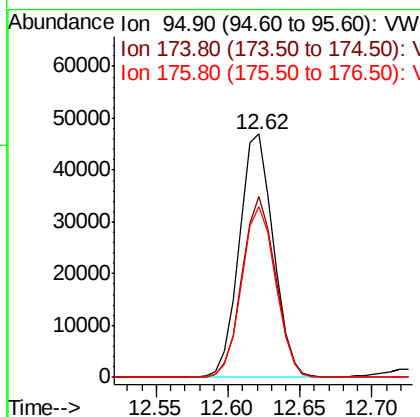
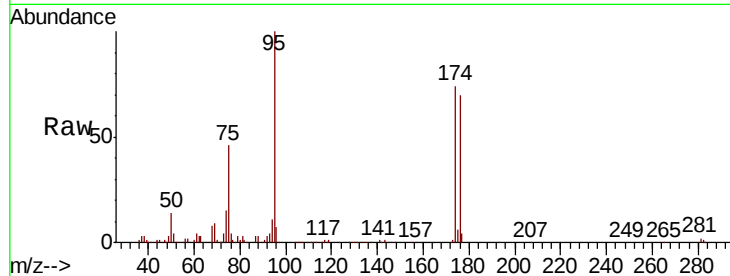




#62
4-Bromofluorobenzene
Concen: 38.233 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

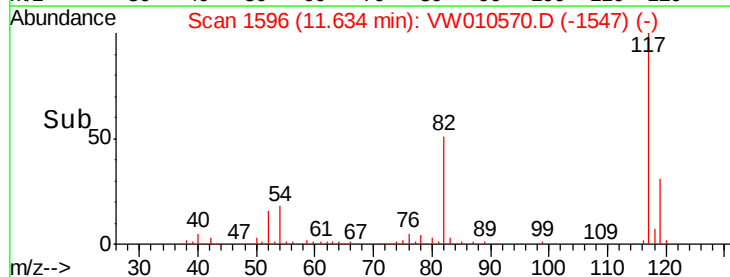
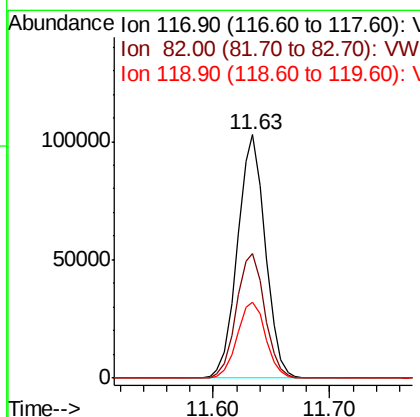
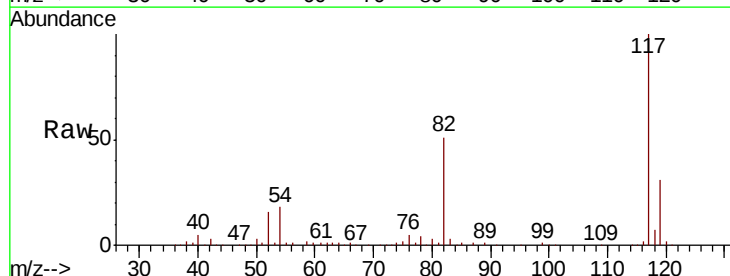
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MSVOA_W
ClientSampleId :
TP-2-S2

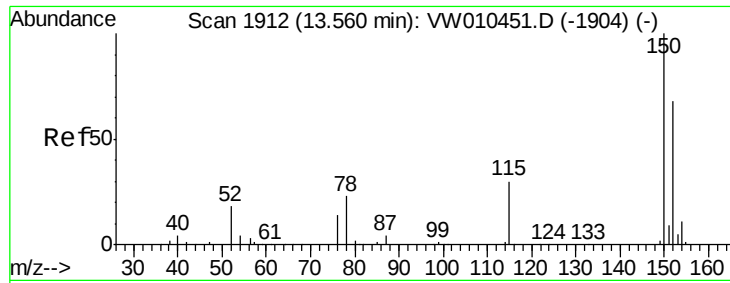
Tot Ion: 95 Resp: 77220
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.6
176 69.9 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Tgt Ion: 117 Resp: 171274
Ion Ratio Lower Upper
117 100
82 51.3 42.8 64.2
119 31.4 26.3 39.5



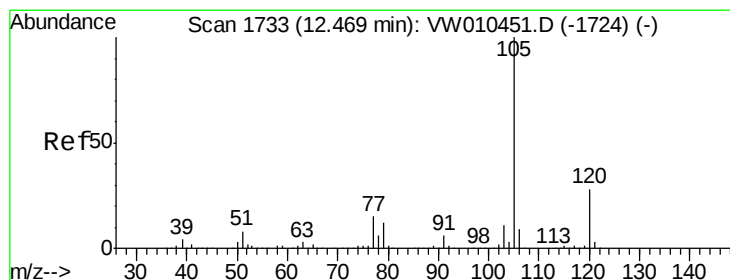
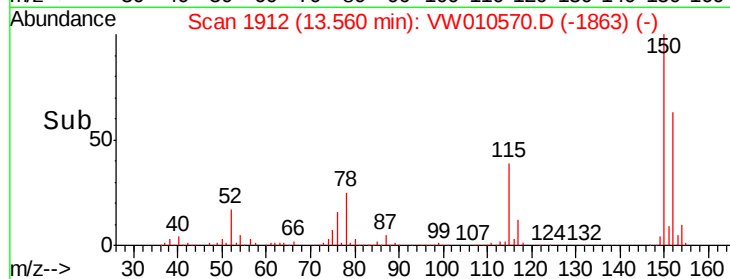
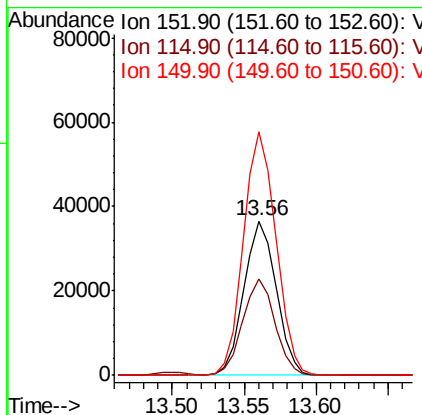
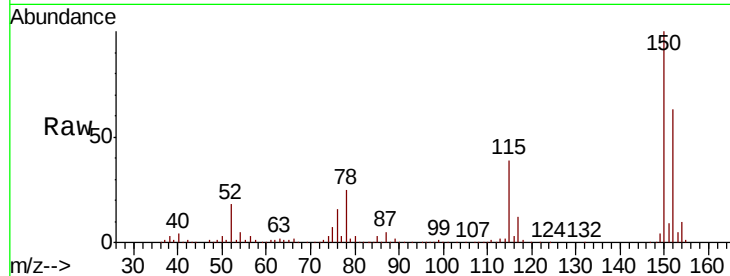


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
TP-2-S2

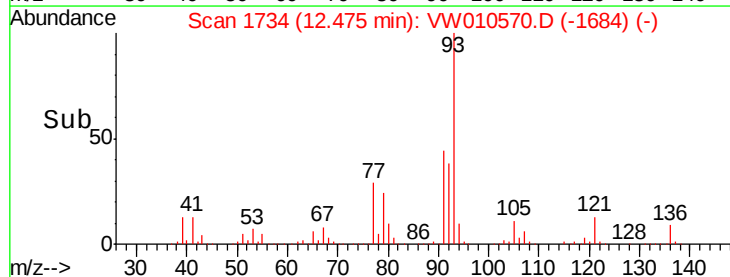
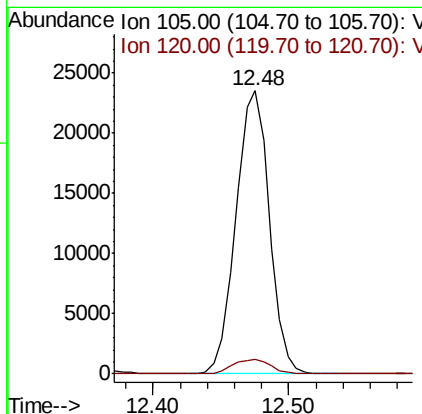
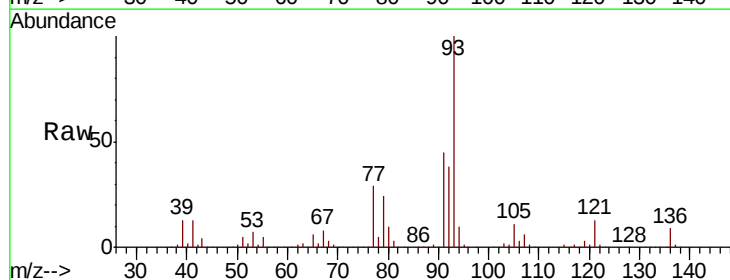
Tot Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.3	91.0
150	159.0	0.0	349.8

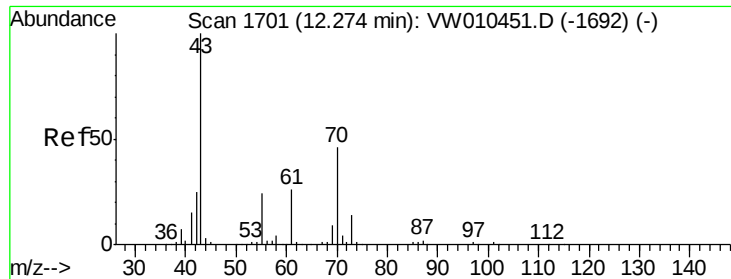


#73

Isopropylbenzene
Concen: 8.962 ug/l
RT: 12.48 min Scan# 1734
Delta R.T. 0.01 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	5.7	13.9	41.7#





#74

N-amvl acetate

Concen: 15.490 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.20 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

TP-2-S2

Tot Ion: 43 Resp: 15950

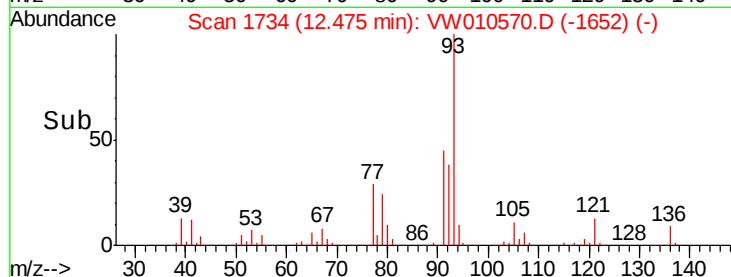
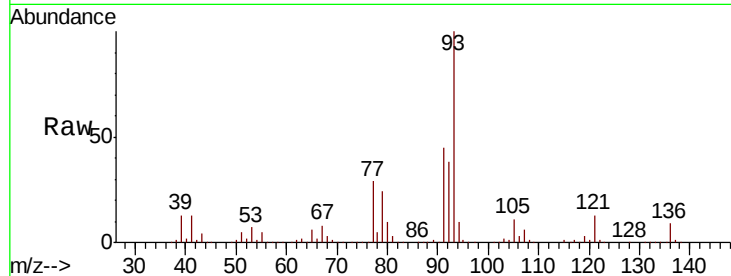
Ion Ratio Lower Upper

43 100

70 2.7 37.1 55.7#

55 110.9 19.6 29.4#

61 2.1 20.7 31.1#

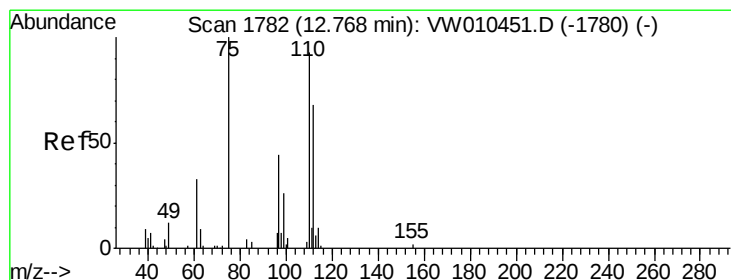
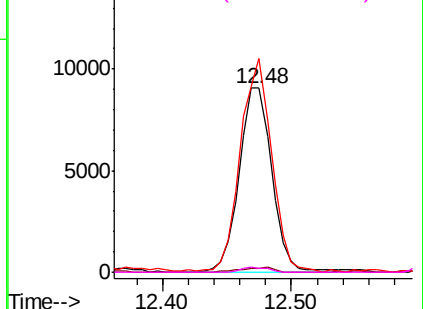


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 62.323 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010570.D

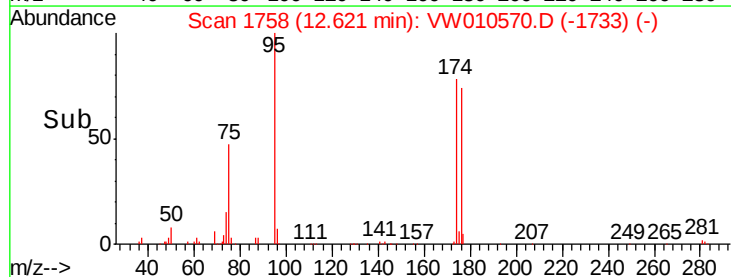
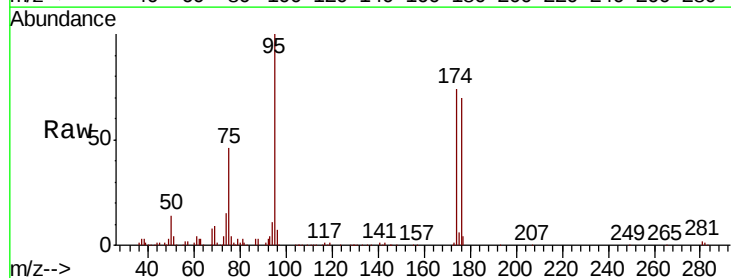
Acq: 28 May 2019 16:33

Tgt Ion: 75 Resp: 35823

Ion Ratio Lower Upper

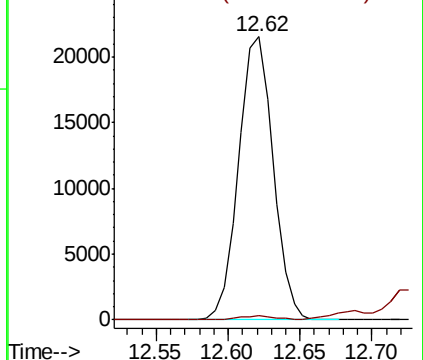
75 100

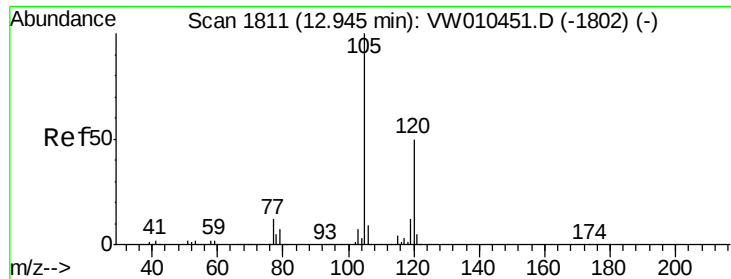
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.917 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

Instrument :

MSVOA_W

ClientSampled :

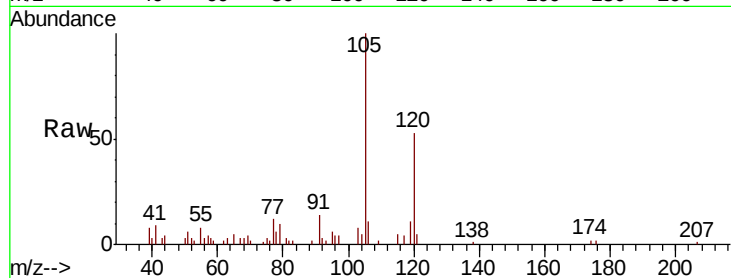
TP-2-S2

Tot Ion:105 Resp: 7297

Ion Ratio Lower Upper

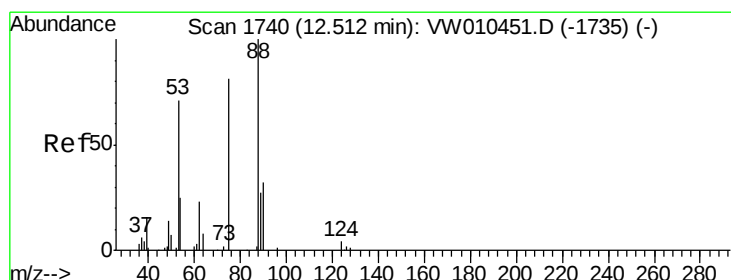
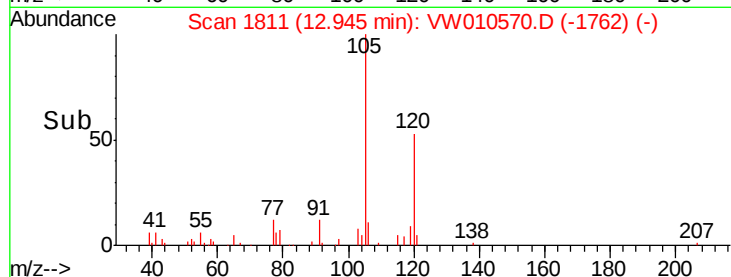
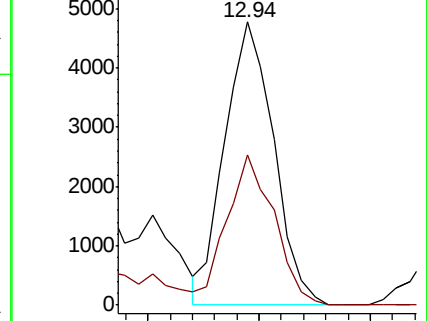
105 100

120 51.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 130.069 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010570.D

Acq: 28 May 2019 16:33

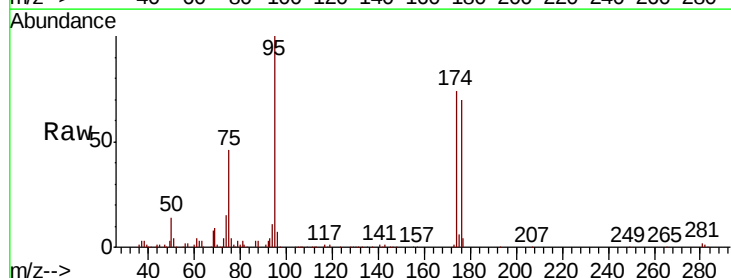
Tgt Ion: 75 Resp: 35823

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

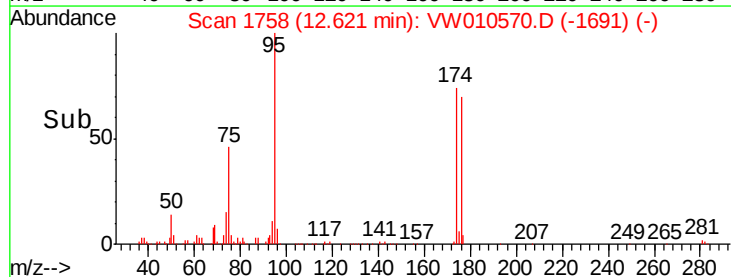
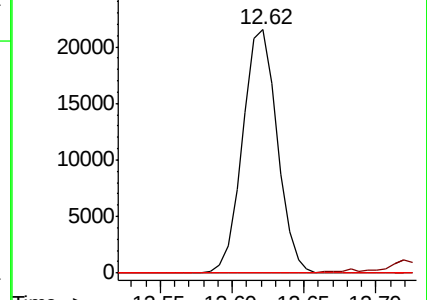
89 0.0 39.5 59.3#

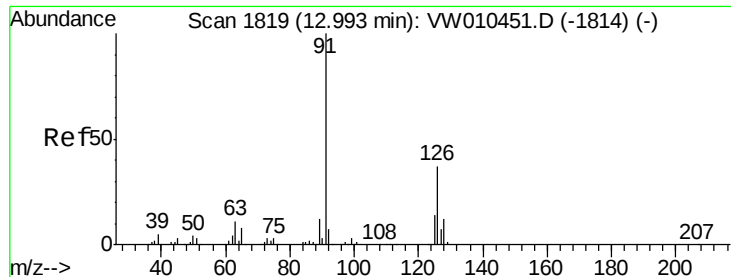


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

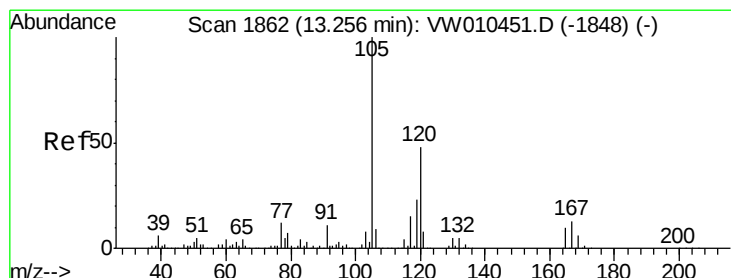
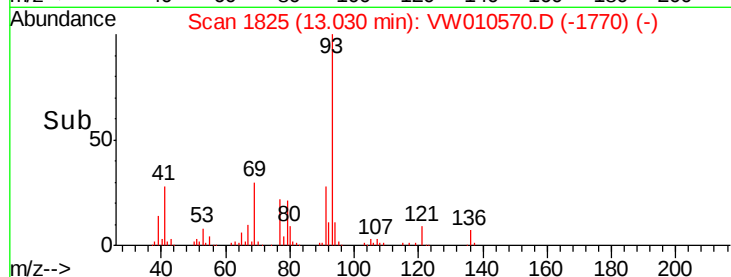
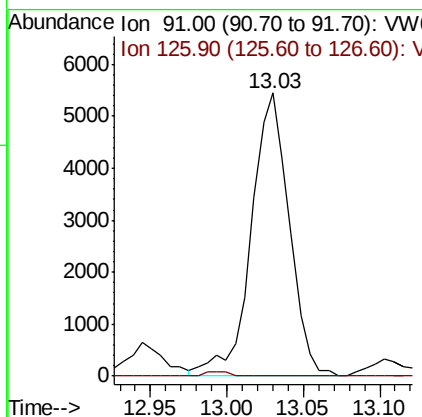
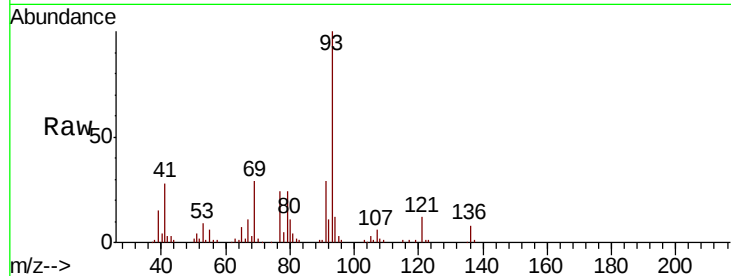




#82
4-Chlorotoluene
Concen: 3.001 ug/l
RT: 13.03 min Scan# 1825
Delta R.T. 0.04 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

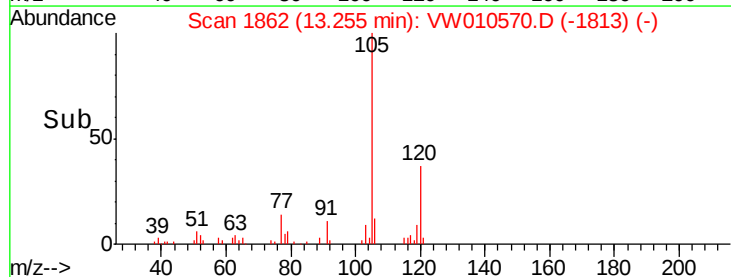
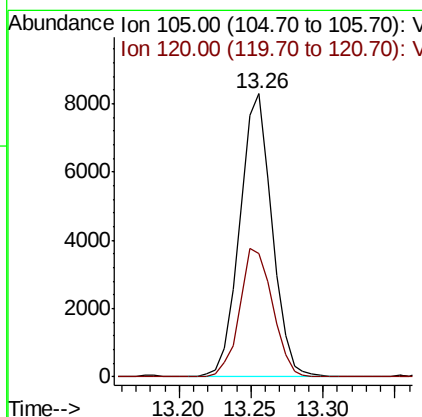
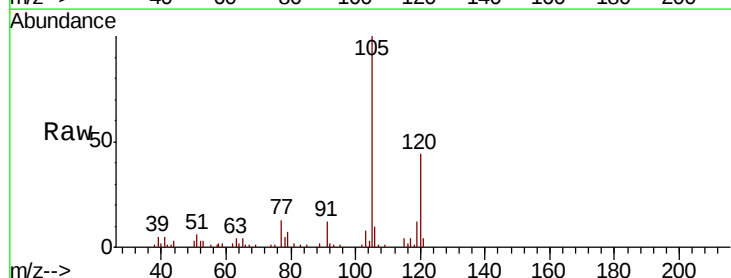
Instrument :
MSVOA_W
ClientSampleId :
TP-2-S2

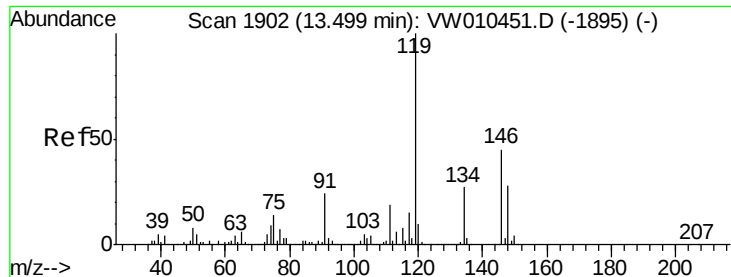
Tot Ion: 91 Resp: 9460
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#



#84
1,2,4-Trimethylbenzene
Concen: 3.398 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Tgt Ion: 105 Resp: 12880
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.2

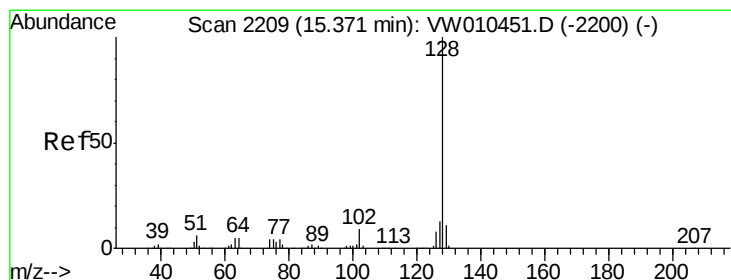
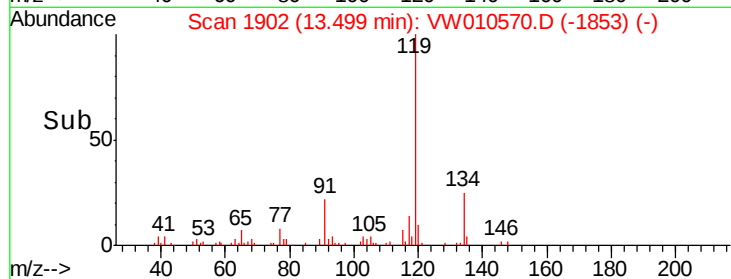
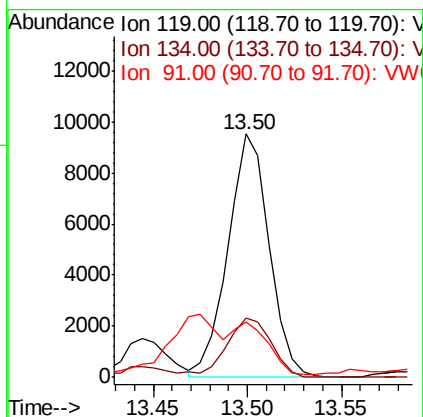
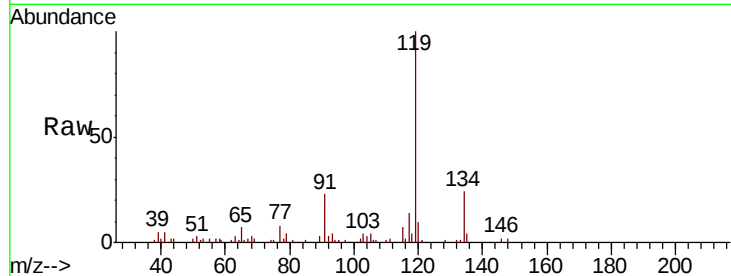




#86
p-Isopropyltoluene
Concen: 3.418 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
TP-2-S2

Tot Ion:119 Resp: 14392
Ion Ratio Lower Upper
119 100
134 25.8 13.6 40.7
91 0.0 11.9 35.7#



#95
Naphthalene
Concen: 64.159 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010570.D
Acq: 28 May 2019 16:33

Tgt Ion:128 Resp: 164720
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.9 13.3

