

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010537.D
 Acq On : 23 May 2019 18:33
 Operator : SY/VA
 Sample : K3026-02
 Misc : 3.02G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-S2

Quant Time: May 24 08:43:50 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	115512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	207316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54344	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	63482	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.88	113	63879	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.32	98	247455	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	73876	38.59	ug/l	0.00
Spiked Amount			Recovery	=	77.18%	

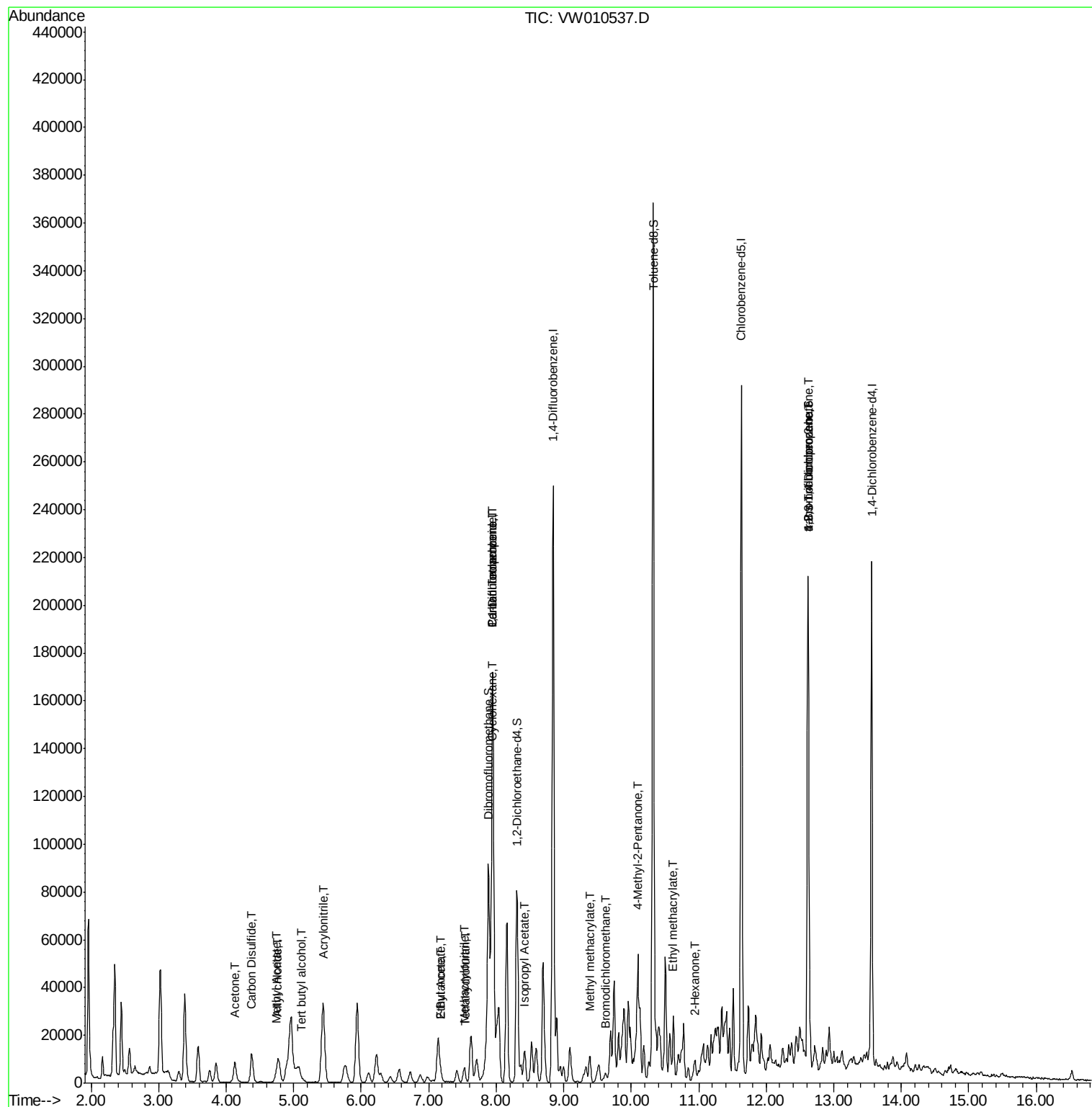
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1745	16.271	ug/l #	71
13) Acrolein	3.90	56	23	Below Cal	#	13
14) Allyl chloride	4.76	41	6074	3.439	ug/l #	61
15) Acrylonitrile	5.43	53	1317	4.780	ug/l #	46
16) Acetone	4.13	43	14862	61.067	ug/l	99
17) Carbon Disulfide	4.37	76	23932	6.576	ug/l	95
18) Methyl Acetate	4.74	43	3232	5.430	ug/l #	48
20) Methylene Chloride	4.93	84	3380	Below Cal	#	87
25) 2-Butanone	7.18	43	5428	15.585	ug/l	100
29) Tetrahydrofuran	7.54	42	692	2.936	ug/l #	87
31) Cyclohexane	7.93	56	8845	3.907	ug/l #	70
36) 1,1-Dichloropropene	7.95	75	9073	4.698	ug/l #	48
37) Ethyl Acetate	7.18	43	5428	6.609	ug/l #	67
38) Carbon Tetrachloride	7.95	117	12383	5.944	ug/l #	16
41) Methacrylonitrile	7.53	41	2518	5.160	ug/l #	43
43) Isopropyl Acetate	8.41	43	7528	4.588	ug/l #	49
47) Bromodichloromethane	9.63	83	1988	1.061	ug/l #	26
48) Methyl methacrylate	9.39	41	2014	2.683	ug/l #	44
51) 4-Methyl-2-Pentanone	10.10	43	31053	37.351	ug/l #	39
56) Ethyl methacrylate	10.63	69	2599	1.758	ug/l #	1
59) 2-Hexanone	10.94	43	1324	2.232	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	34290	62.162	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34290	129.733	ug/l #	14

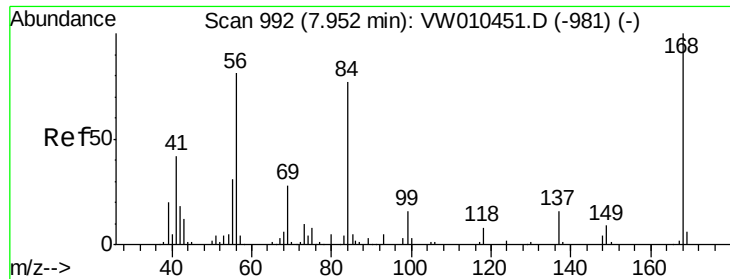
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010537.D
Acq On : 23 May 2019 18:33
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Quant Time: May 24 08:43:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
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: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

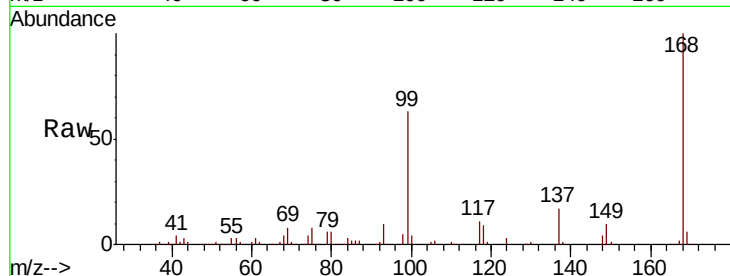
TP-5-S2

Tot Ion:168 Resp: 115512

Ion Ratio Lower Upper

168 100

99 63.1 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

20000

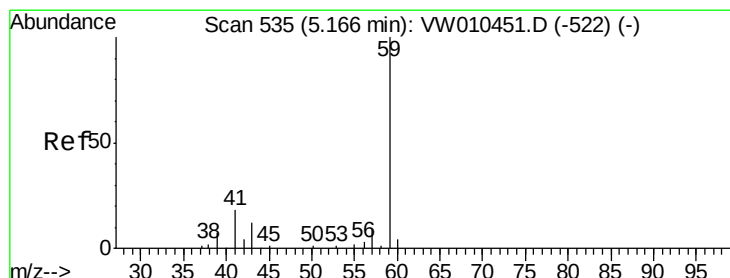
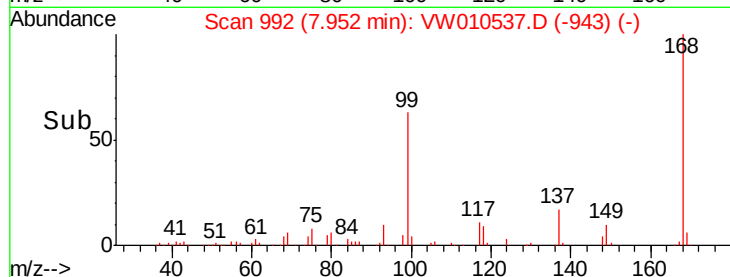
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 16.271 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW010537.D

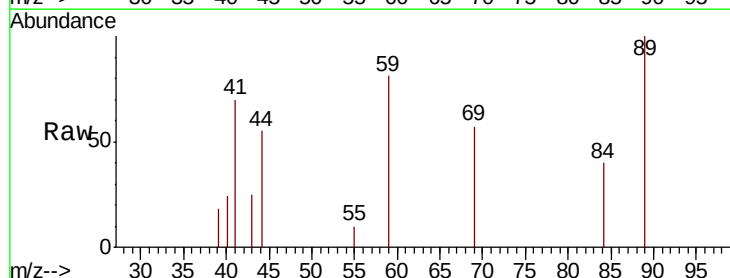
Acq: 23 May 2019 18:33

Tgt Ion: 59 Resp: 1745

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

5.12

600

400

200

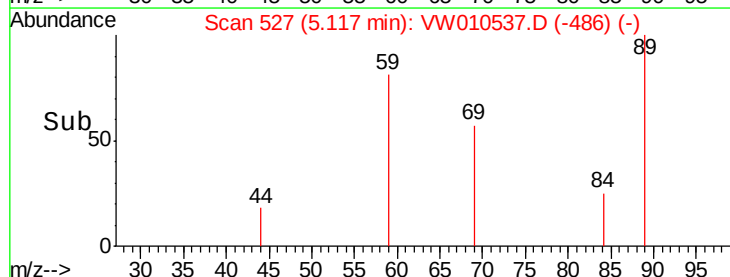
0

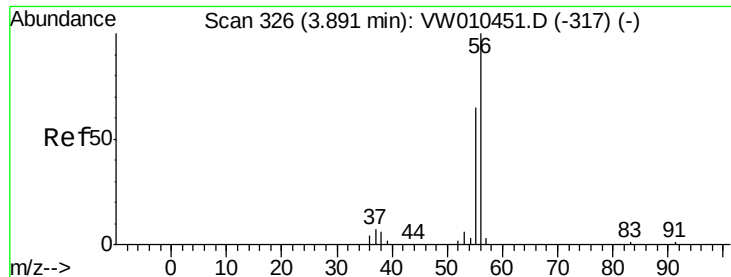
Time-->

5.00

5.10

5.20

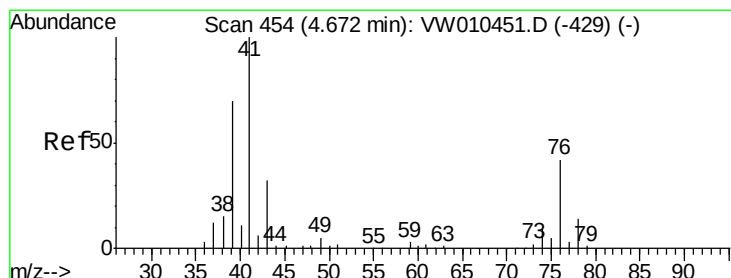
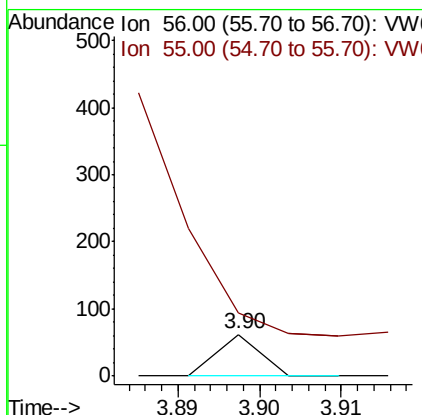
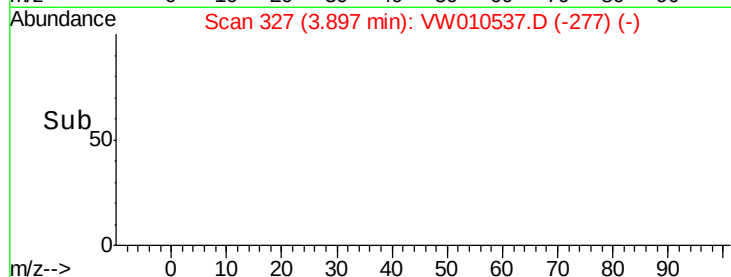
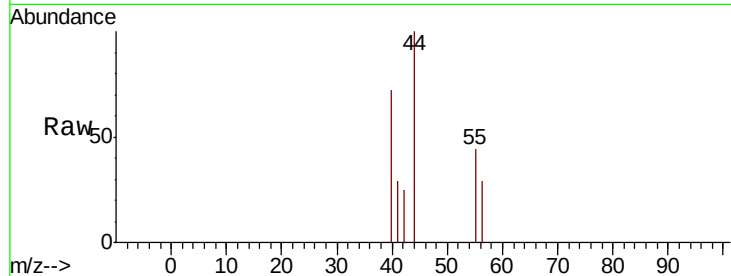




#13
Acrolein
Concen: Below Cal
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

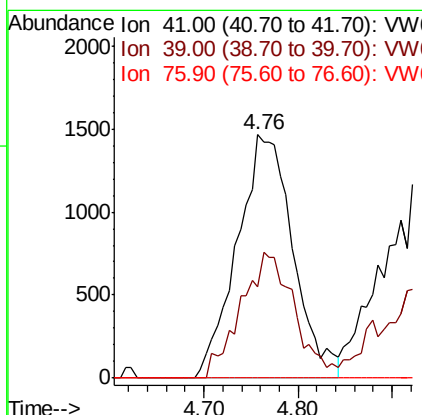
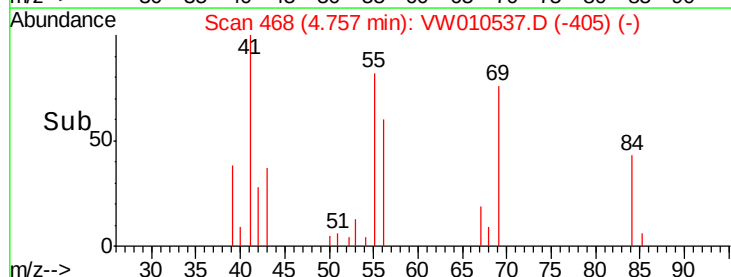
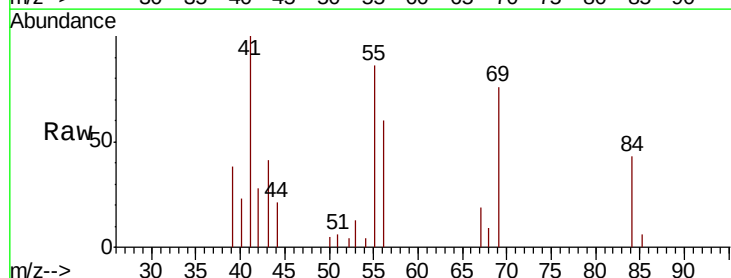
Instrument :
MSVOA_W
ClientSampleId :
TP-5-S2

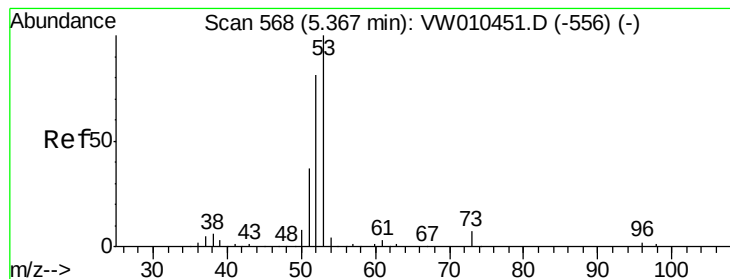
Tot Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 57.9 86.9#



#14
Allyl chloride
Concen: 3.439 ug/l
RT: 4.76 min Scan# 468
Delta R.T. 0.09 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion: 41 Resp: 6074
Ion Ratio Lower Upper
41 100
39 49.5 55.0 82.4#
76 0.0 32.8 49.2#





#15

Acrylonitrile

Concen: 4.780 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

TP-5-S2

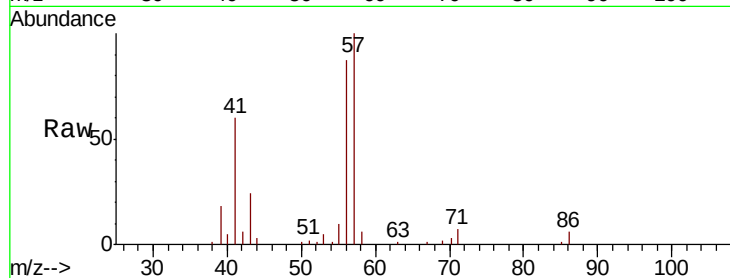
Tot Ion: 53 Resp: 1317

Ion Ratio Lower Upper

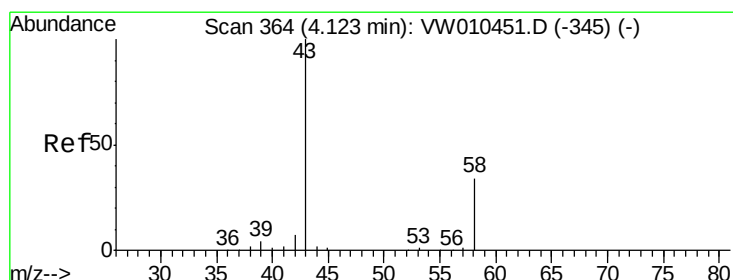
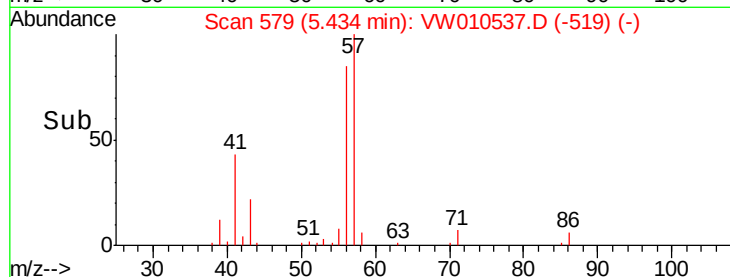
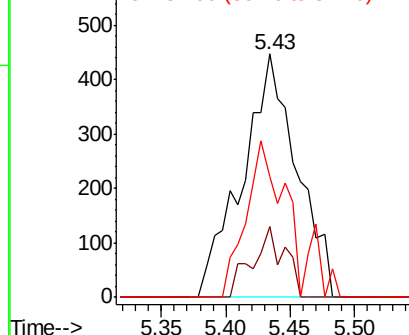
53 100

52 17.1 65.6 98.4#

51 44.0 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 61.067 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010537.D

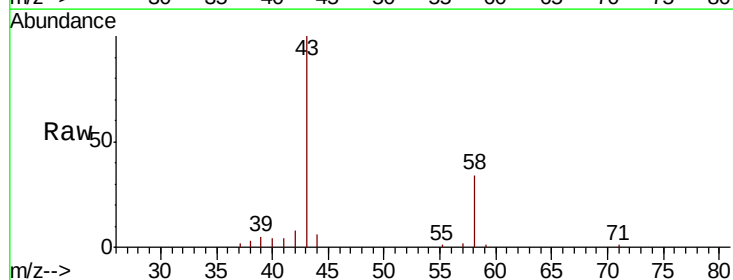
Acq: 23 May 2019 18:33

Tgt Ion: 43 Resp: 14862

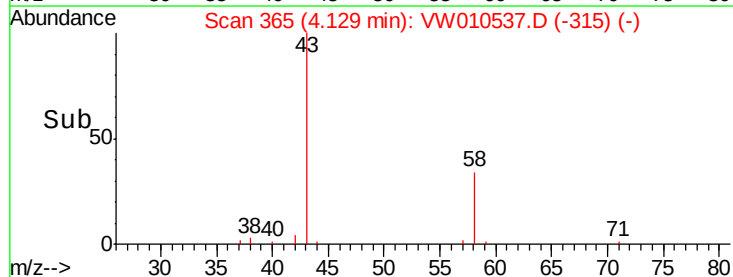
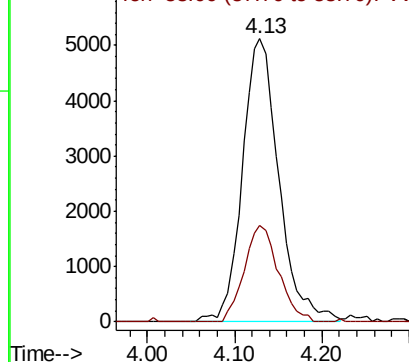
Ion Ratio Lower Upper

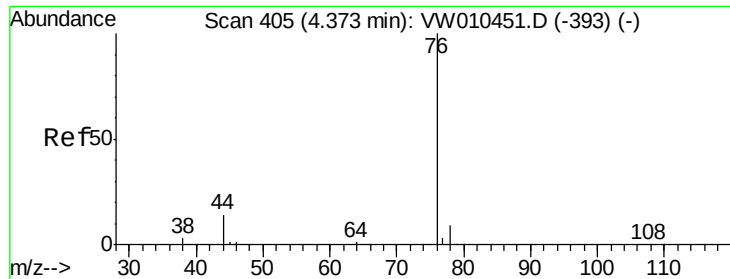
43 100

58 34.1 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

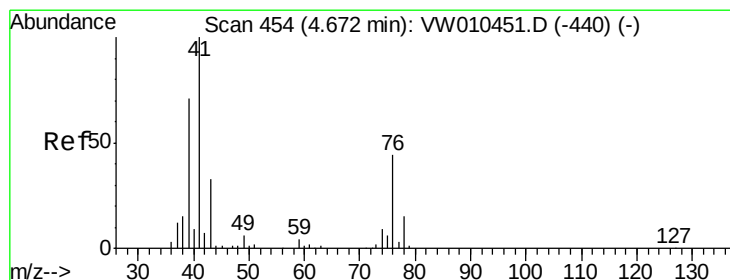
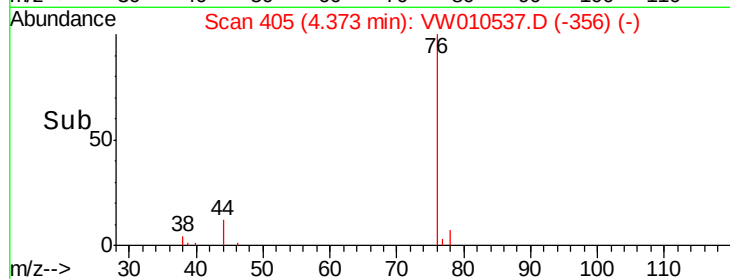
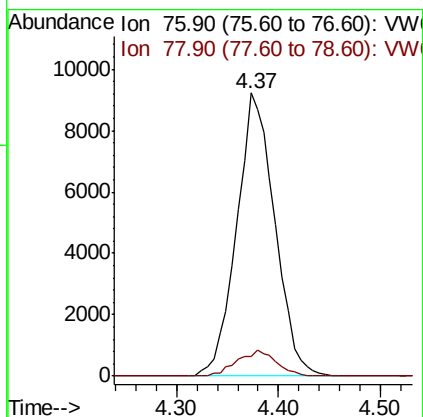
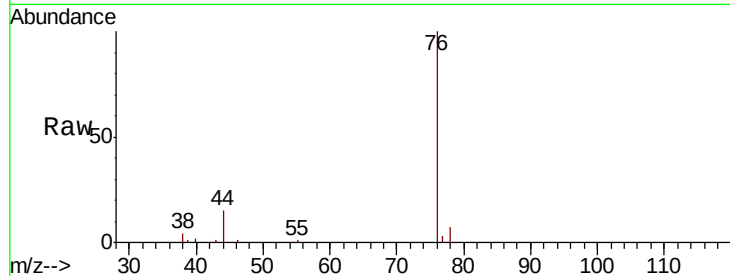




#17
Carbon Disulfide
Concen: 6.576 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

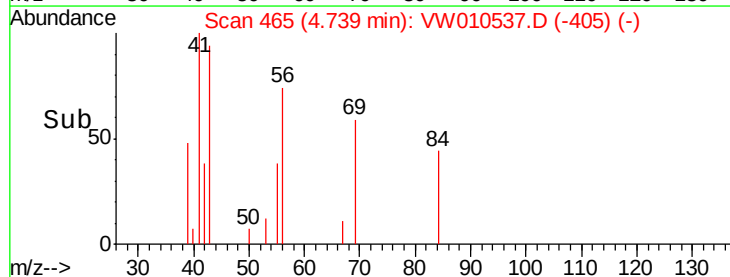
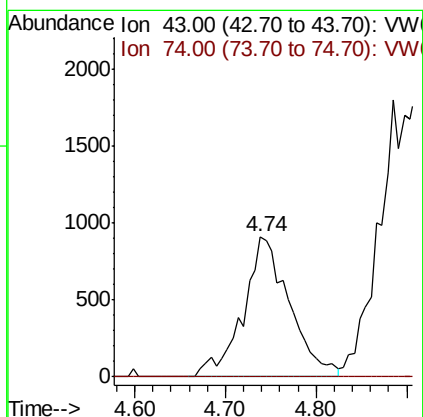
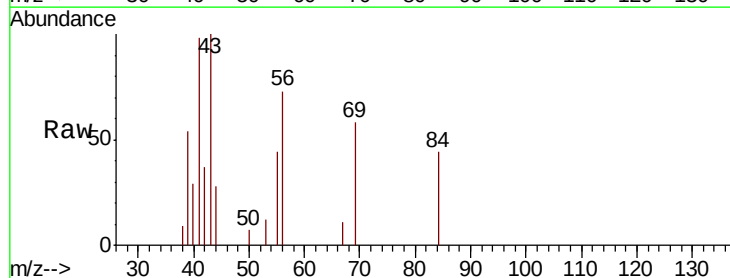
Instrument :
MSVOA_W
ClientSampleId :
TP-5-S2

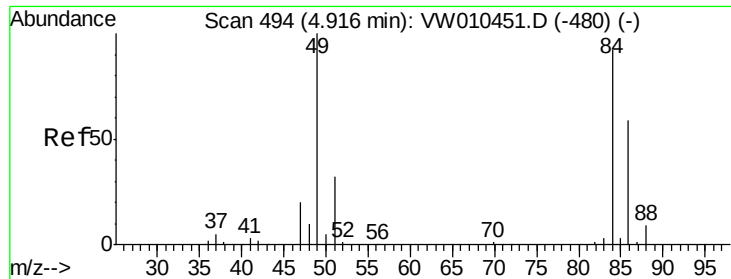
Tot Ion: 76 Resp: 23932
Ion Ratio Lower Upper
76 100
78 7.2 7.1 10.7



#18
Methyl Acetate
Concen: 5.430 ug/l
RT: 4.74 min Scan# 465
Delta R.T. 0.07 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion: 43 Resp: 3232
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampled :

TP-5-S2

Tot Ion: 84 Resp: 3380

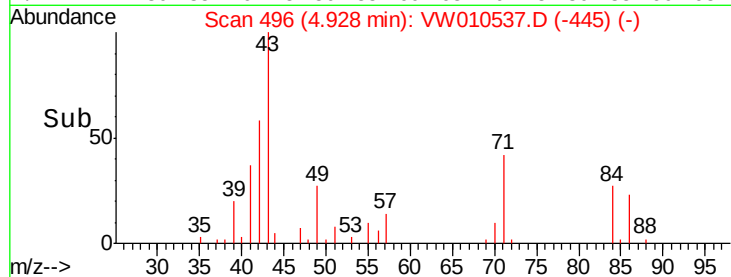
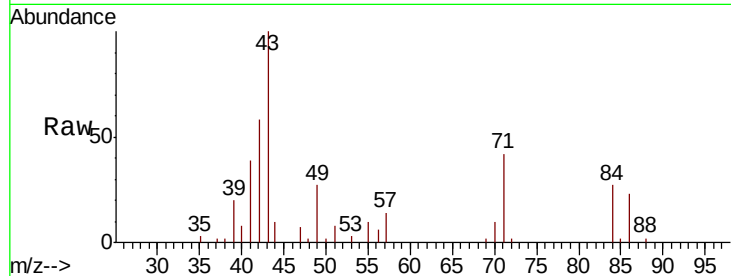
Ion Ratio Lower Upper

84 100

49 101.7 87.2 130.8

51 29.7 27.7 41.5

86 85.1 51.4 77.0#

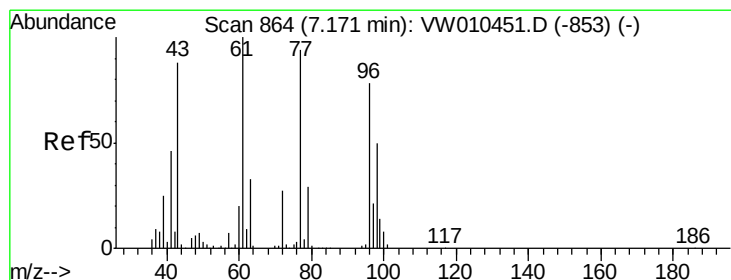
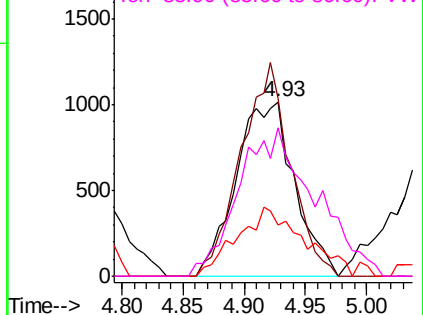


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 15.585 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010537.D

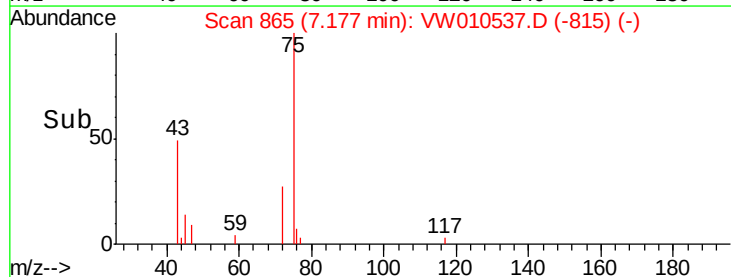
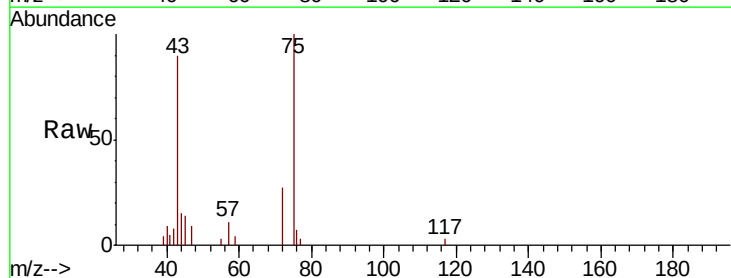
Acq: 23 May 2019 18:33

Tgt Ion: 43 Resp: 5428

Ion Ratio Lower Upper

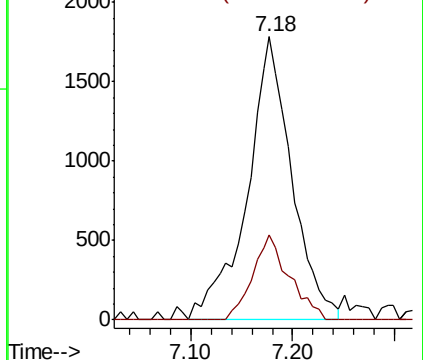
43 100

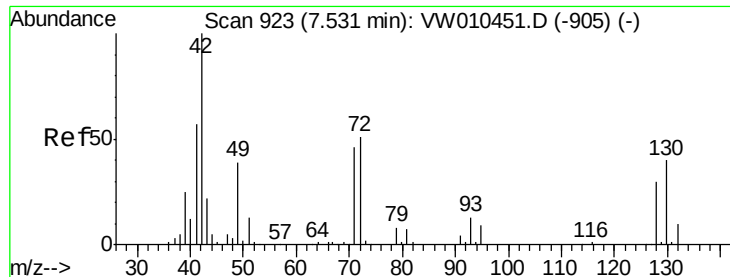
72 30.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

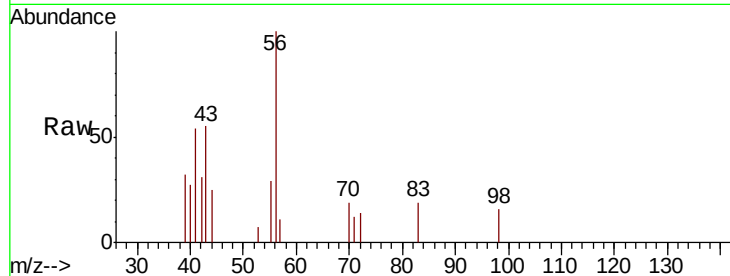




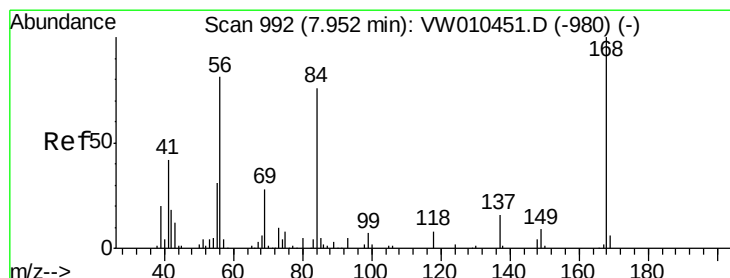
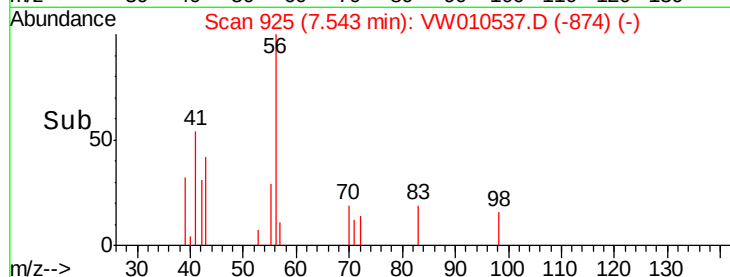
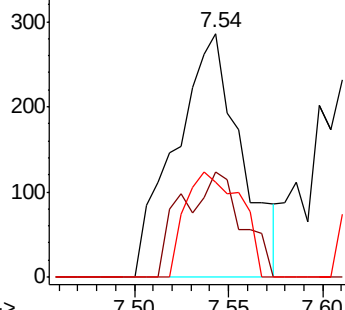
#29
Tetrahydrofuran
Concen: 2.936 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Instrument :
MSVOA_W
ClientSampled :
TP-5-S2

Tot Ion: 42 Resp: 692
Ion Ratio Lower Upper
42 100
72 39.6 38.5 57.7
71 36.4 36.5 54.7#

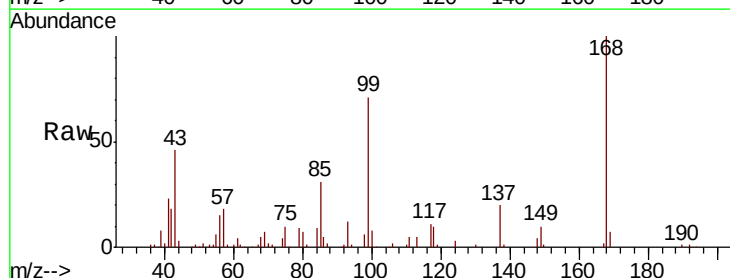


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

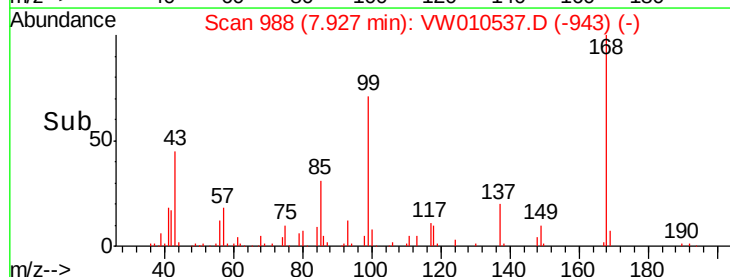
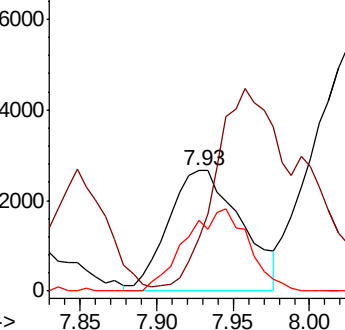


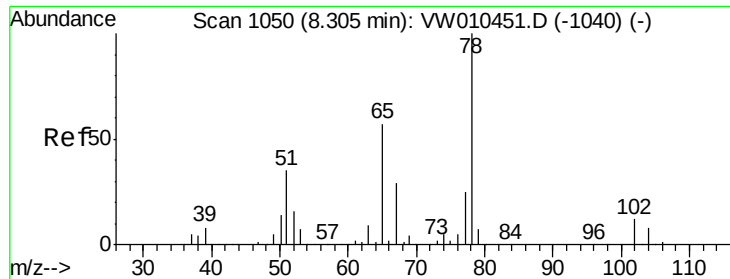
#31
Cyclohexane
Concen: 3.907 ug/l
RT: 7.93 min Scan# 988
Delta R.T. -0.02 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion: 56 Resp: 8845
Ion Ratio Lower Upper
56 100
69 23.7 28.2 42.2#
84 62.0 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

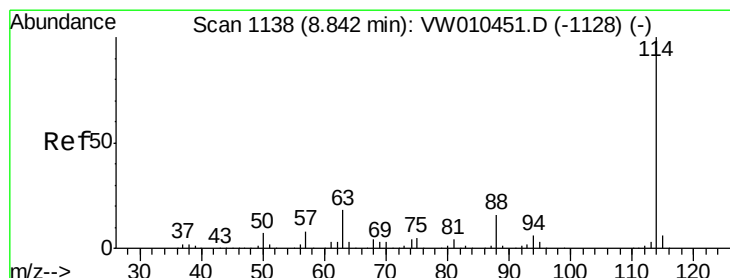
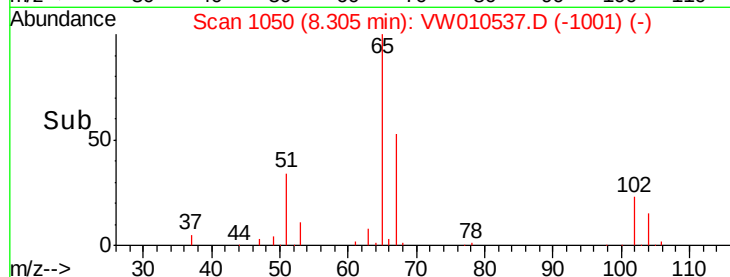
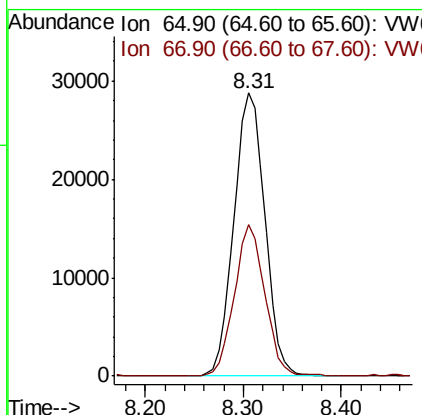
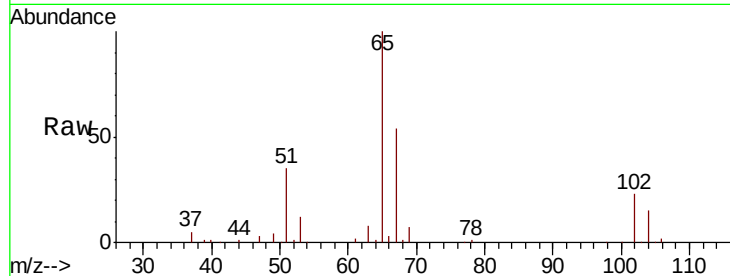




#33
 1,2-Dichloroethane-d4
 Concen: 53.244 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010537.D
 Acq: 23 May 2019 18:33

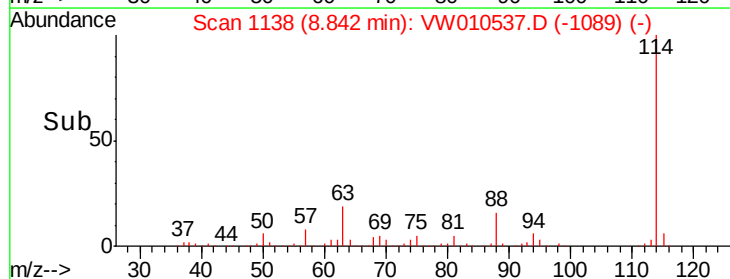
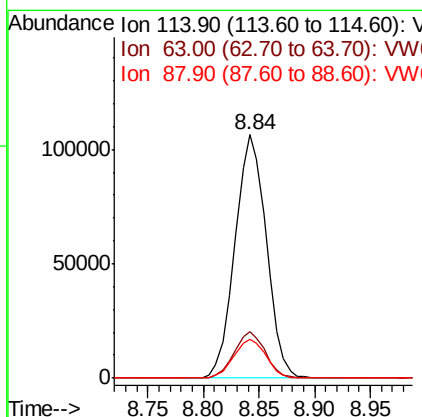
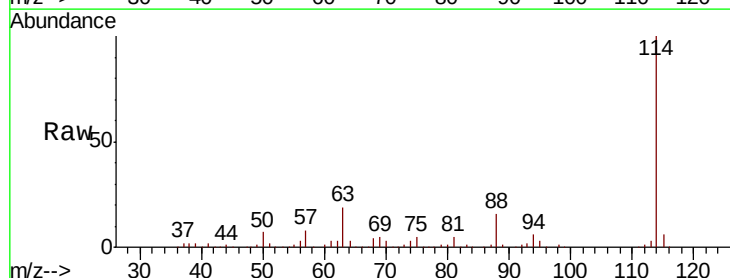
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-S2

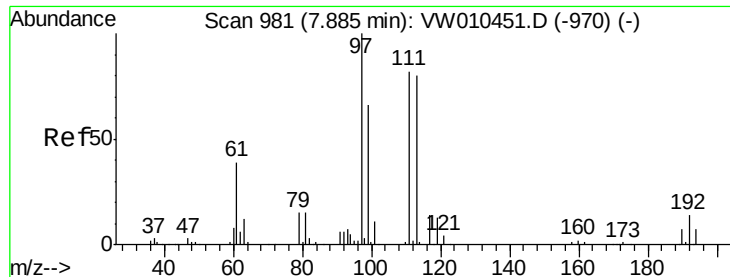
Tot Ion: 65 Resp: 63482
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010537.D
 Acq: 23 May 2019 18:33

Tgt Ion: 114 Resp: 207316
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.0
 88 15.8 0.0 32.0

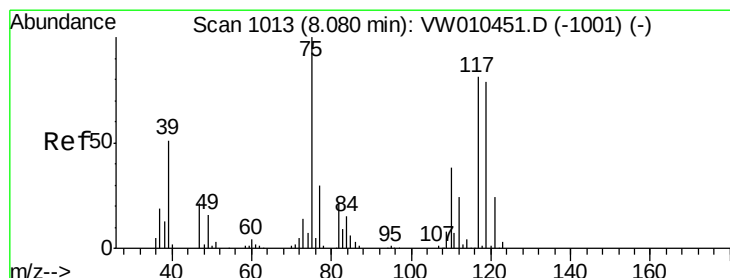
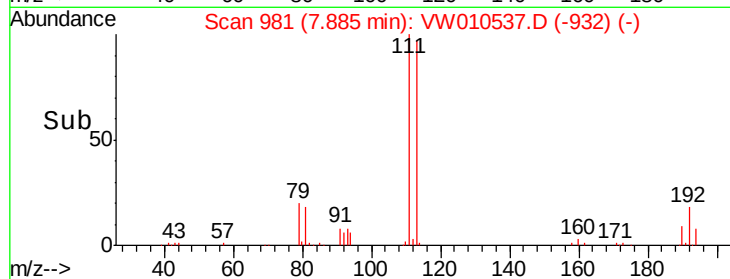
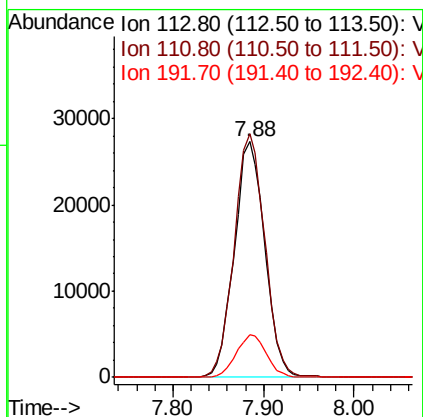
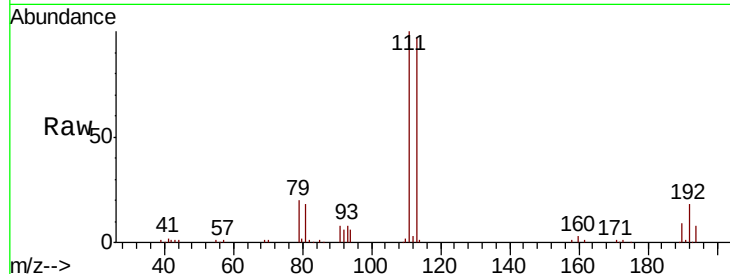




#35
 Dibromofluoromethane
 Concen: 50.780 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010537.D
 Acq: 23 May 2019 18:33

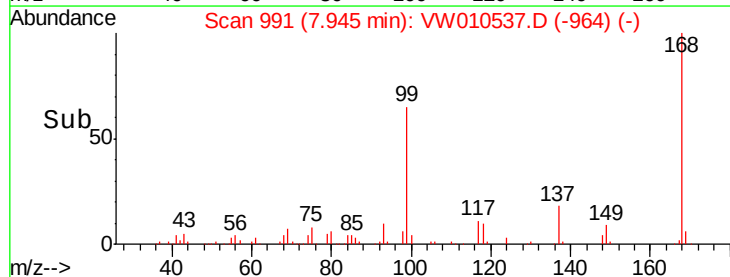
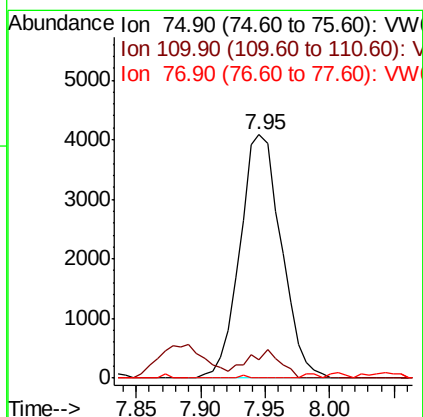
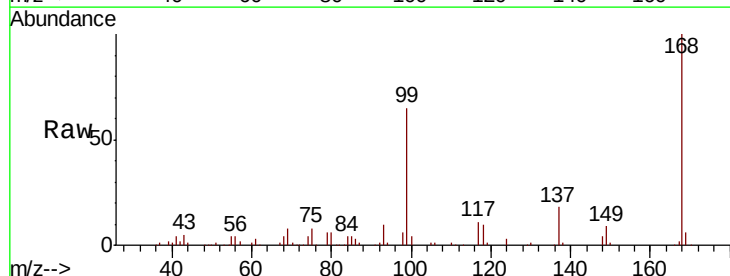
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-S2

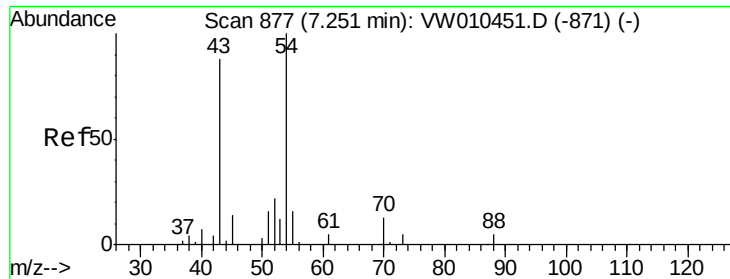
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	17.8	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010537.D
 Acq: 23 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.2	57.6#
77	0.2	25.2	37.8#





#37

Ethyl Acetate

Concen: 6.609 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

TP-5-S2

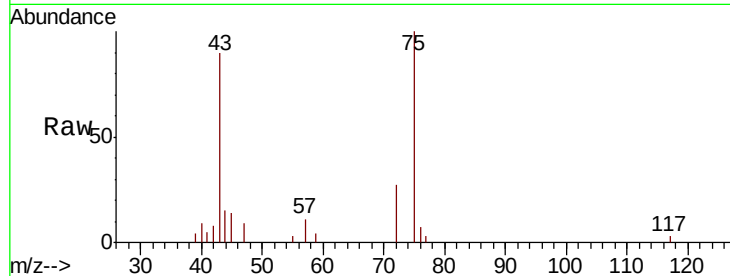
Tot Ion: 43 Resp: 5428

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

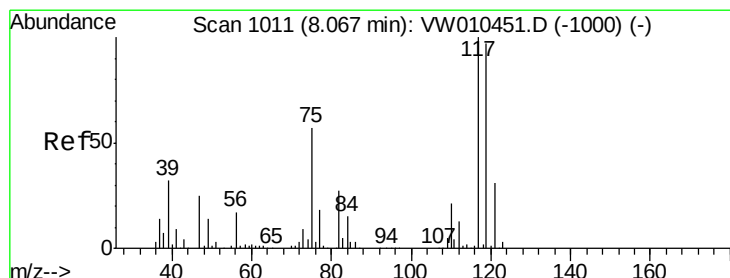
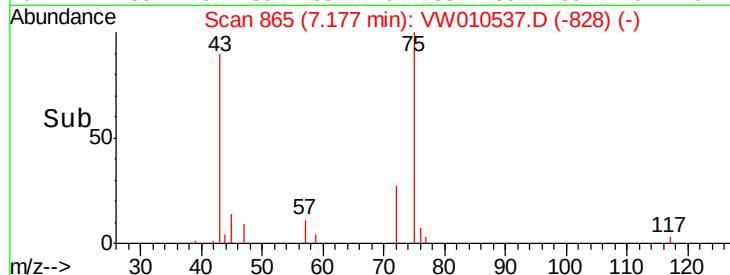
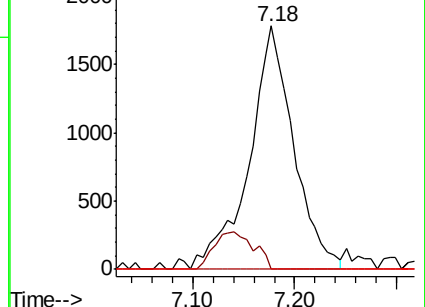
70 0.0 9.9 14.9#



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: 5.944 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

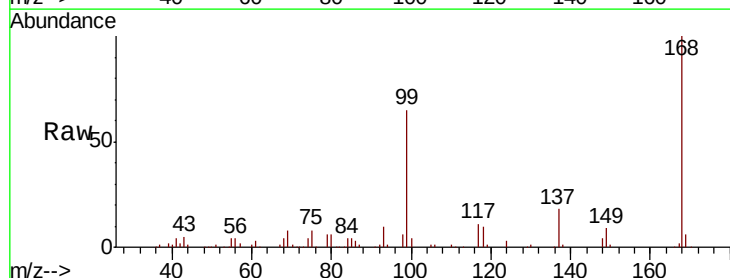
Tgt Ion: 117 Resp: 12383

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

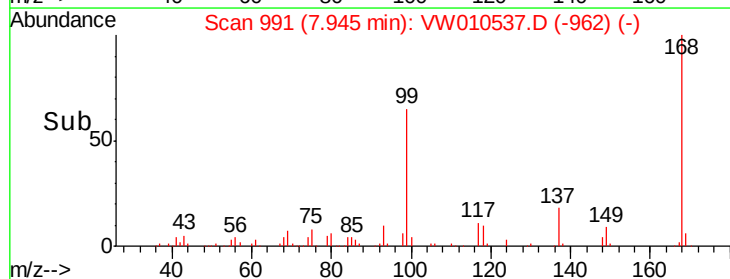
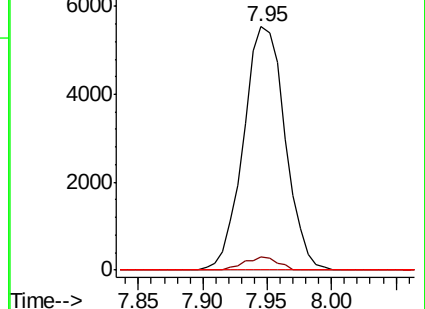
121 0.0 25.0 37.6#

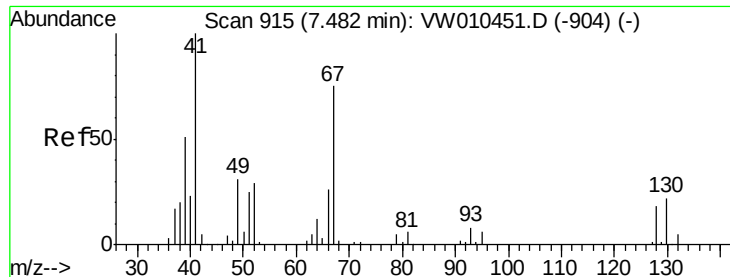


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

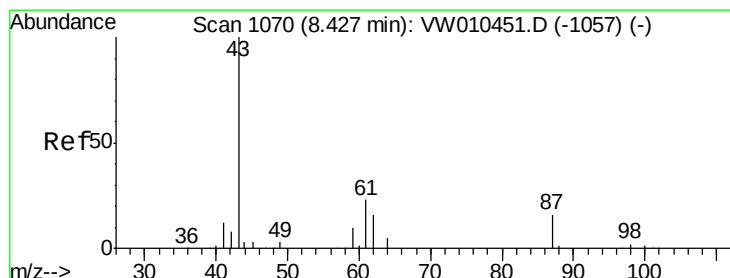
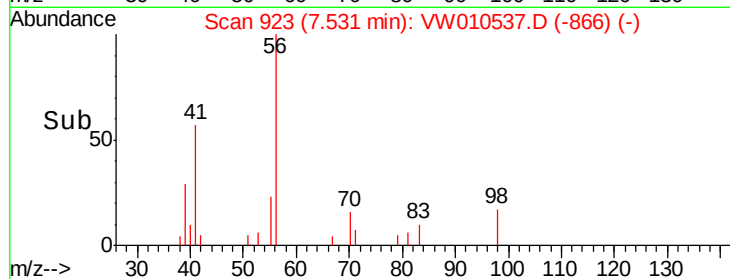
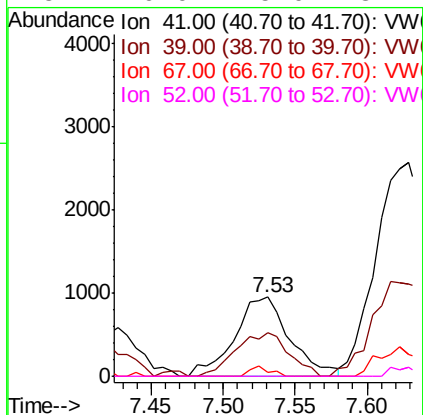
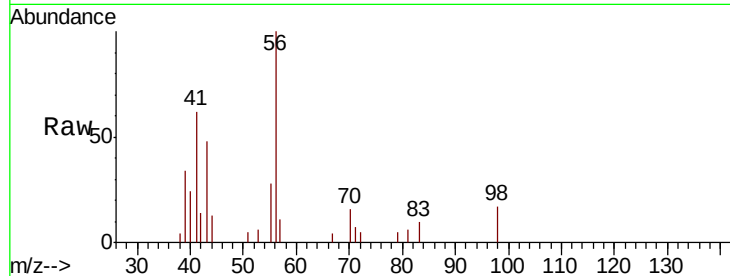




#41
Methacrylonitrile
Concen: 5.160 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

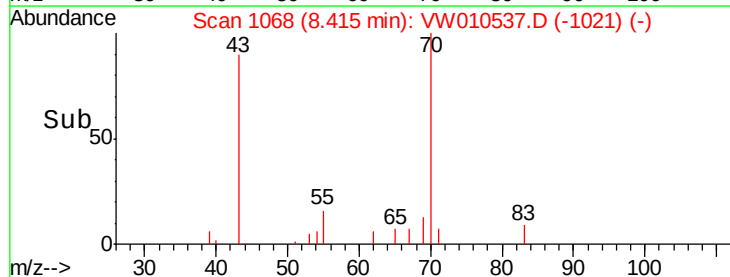
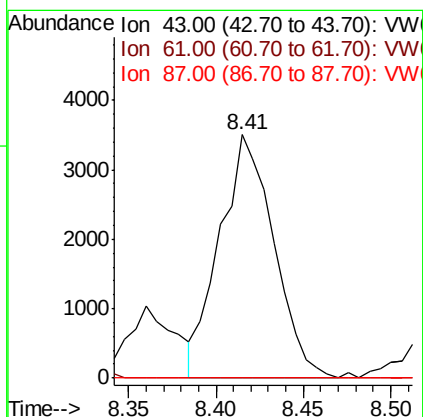
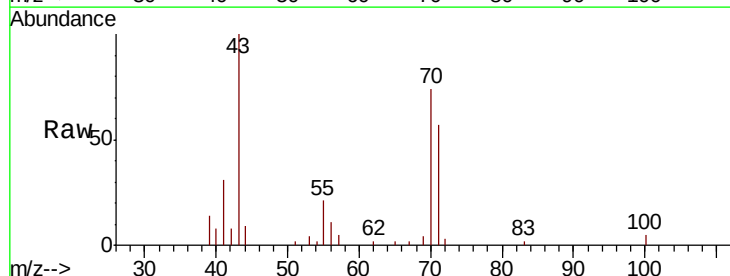
Instrument :
MSVOA_W
ClientSampleId :
TP-5-S2

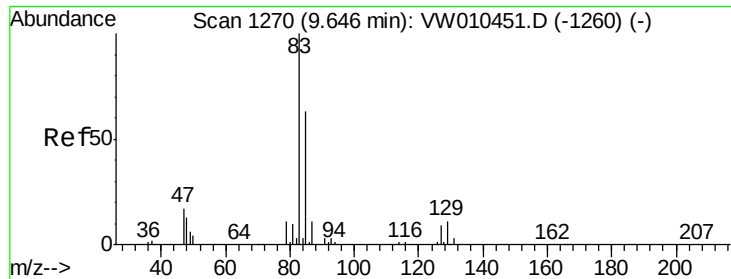
Tot Ion:	41	Resp:	2518
Ion	Ratio	Lower	Upper
41	100		
39	52.8	47.4	71.2
67	0.0	65.5	98.3#
52	0.0	25.0	37.4#



#43
Isopropyl Acetate
Concen: 4.588 ug/l
RT: 8.41 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion:	43	Resp:	7528
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.4	38.2#
87	0.0	12.7	19.1#





#47

Bromodichloromethane

Concen: 1.061 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampled :

TP-5-S2

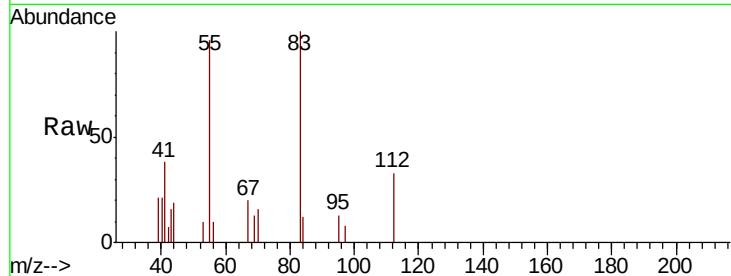
Tot Ion: 83 Resp: 1988

Ion Ratio Lower Upper

83 100

85 0.0 50.4 75.6#

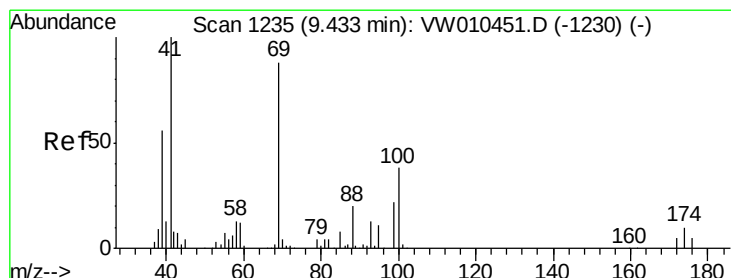
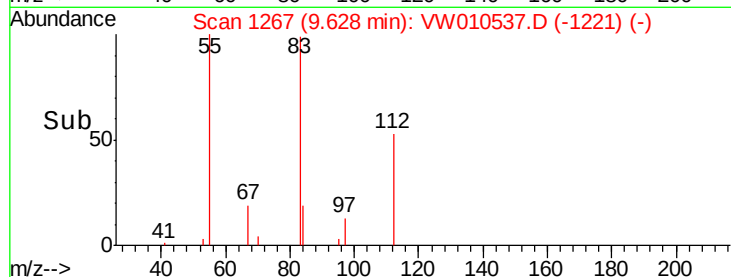
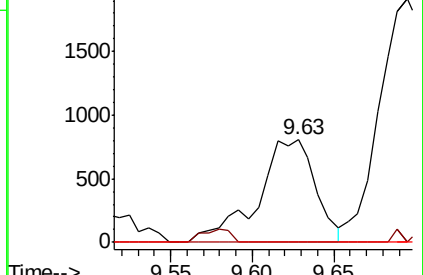
127 0.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 2.683 ug/l

RT: 9.39 min Scan# 1228

Delta R.T. -0.04 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

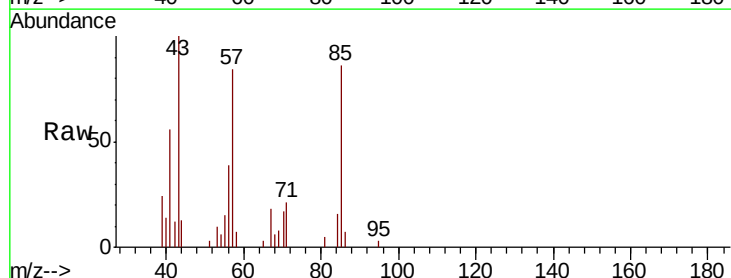
Tgt Ion: 41 Resp: 2014

Ion Ratio Lower Upper

41 100

69 14.3 77.6 116.4#

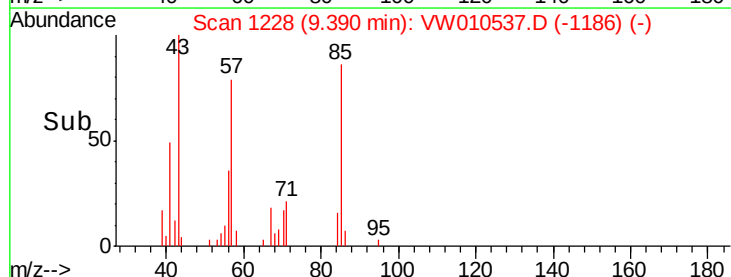
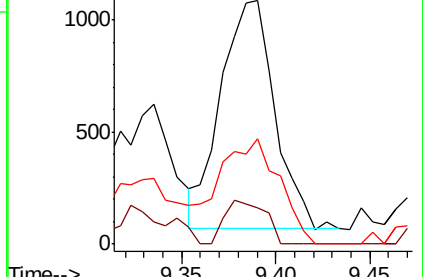
39 52.4 49.8 74.8

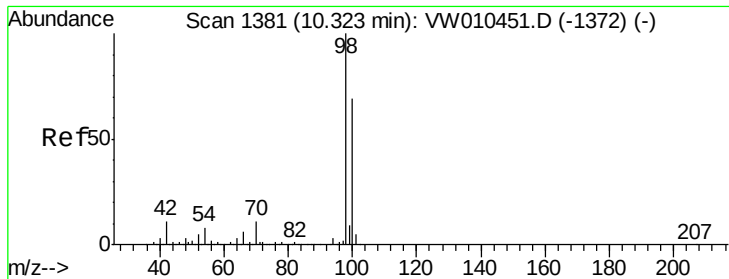


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

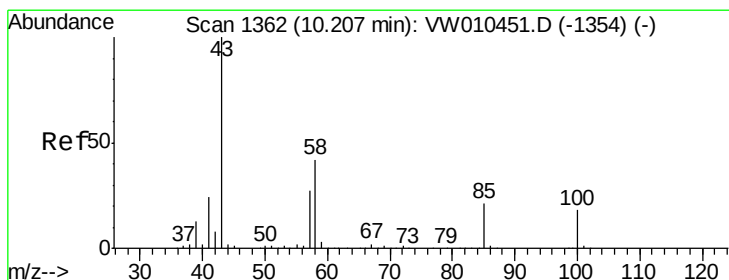
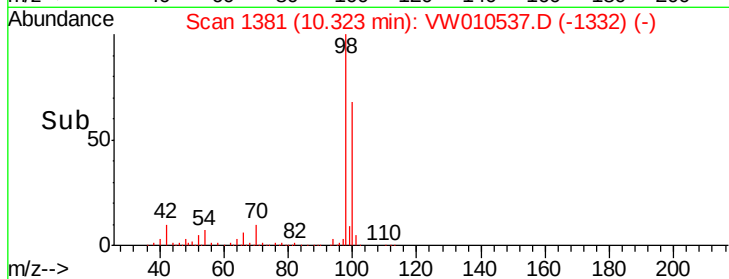
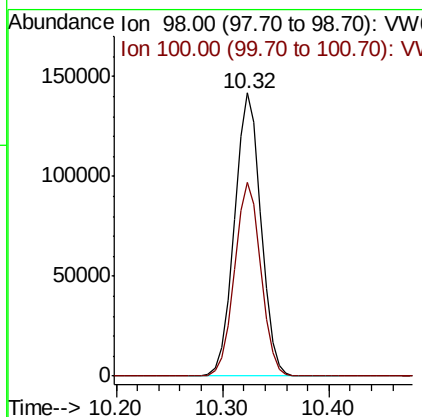
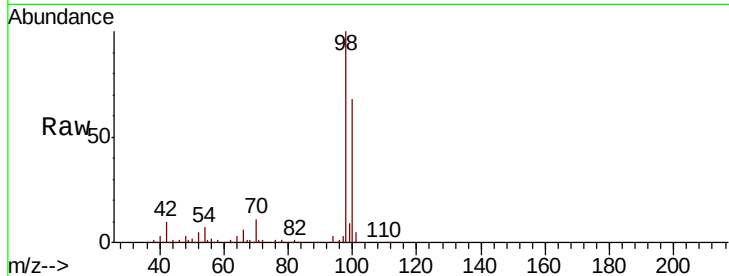




#50
Toluene-d8
Concen: 51.492 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

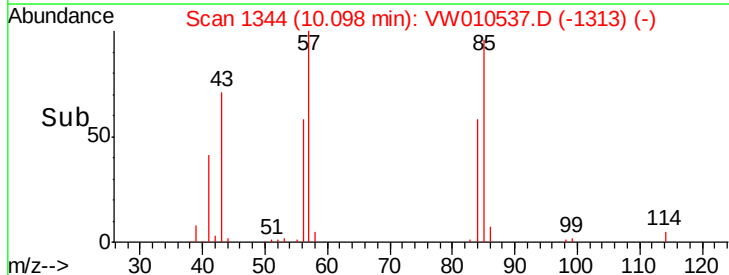
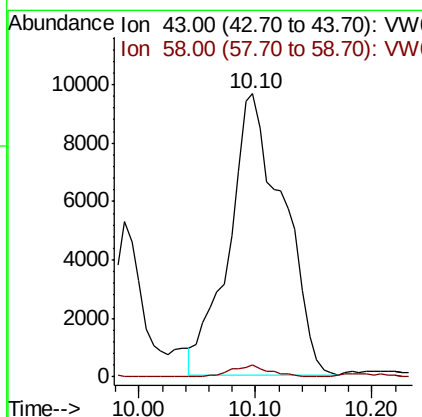
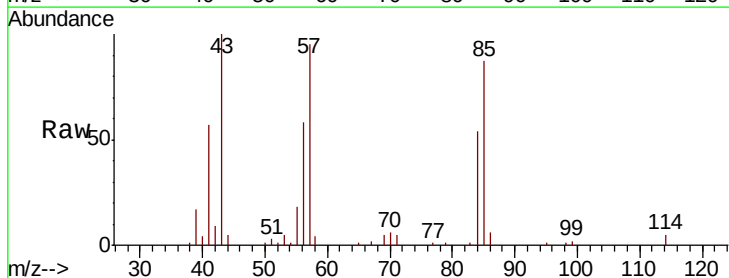
Instrument :
MSVOA_W
ClientSampleId :
TP-5-S2

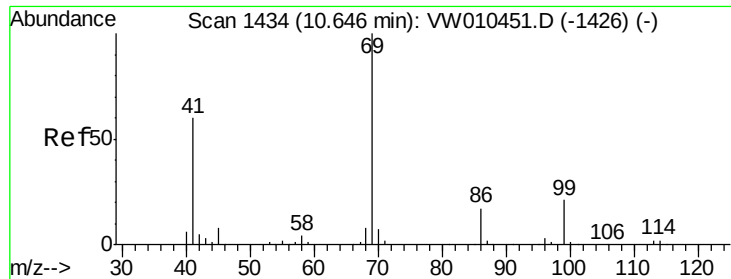
Tot Ion: 98 Resp: 247455
Ion Ratio Lower Upper
98 100
100 67.8 53.7 80.5



#51
4-Methyl-2-Pentanone
Concen: 37.351 ug/l
RT: 10.10 min Scan# 1344
Delta R.T. -0.11 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion: 43 Resp: 31053
Ion Ratio Lower Upper
43 100
58 2.9 33.2 49.8#

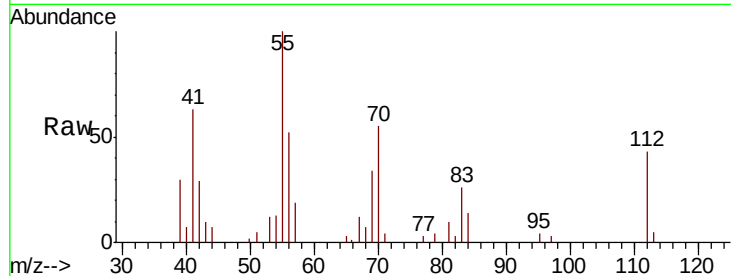




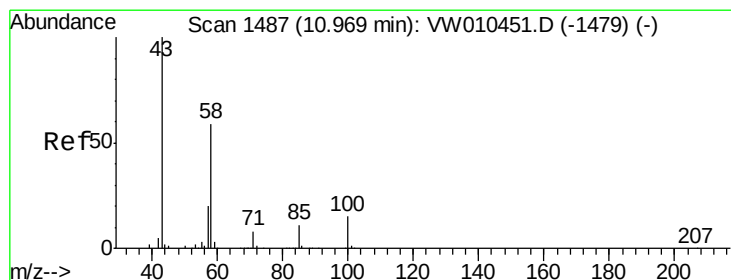
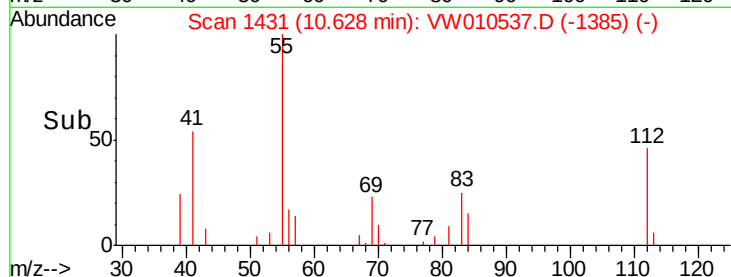
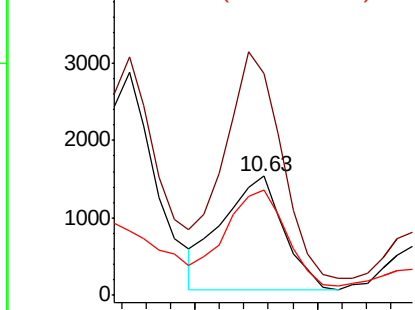
#56
Ethyl methacrylate
Concen: 1.758 ug/l
RT: 10.63 min Scan# 1431
Delta R.T. -0.02 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Instrument :
MSVOA_W
ClientSampled :
TP-5-S2

Tot Ion: 69 Resp: 2599
Ion Ratio Lower Upper
69 100
41 182.7 47.7 71.5#
39 82.9 25.3 37.9#

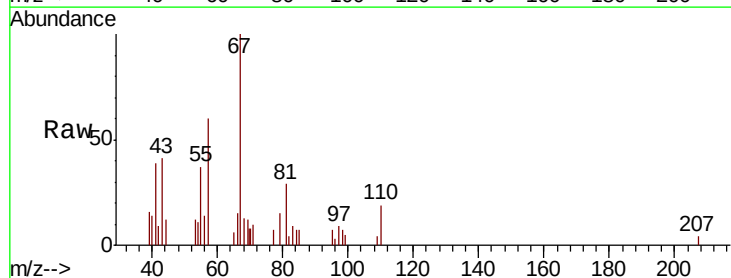


Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW

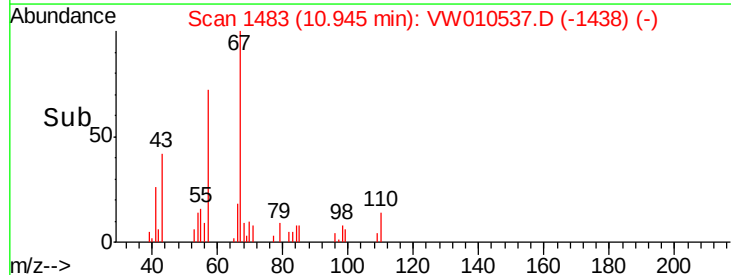
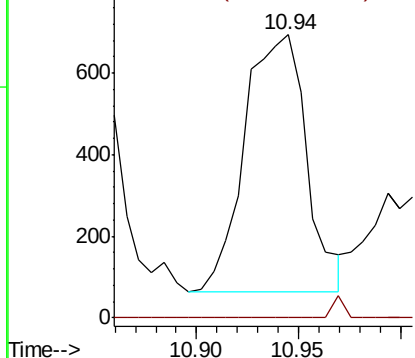


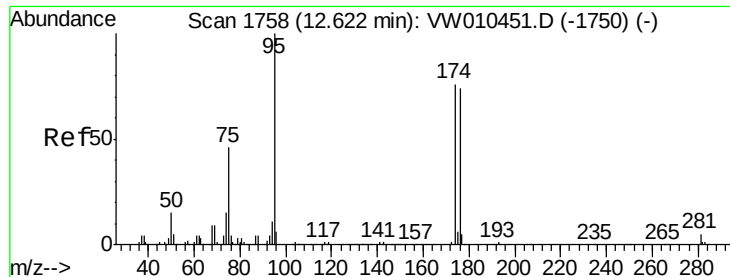
#59
2-Hexanone
Concen: 2.232 ug/l
RT: 10.94 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
58 0.0 28.9 86.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

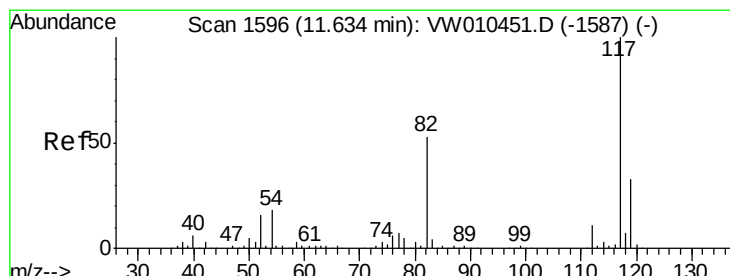
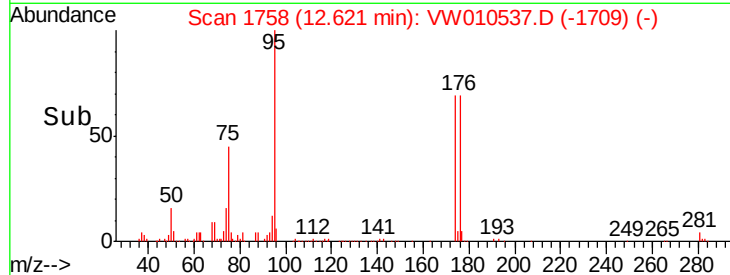
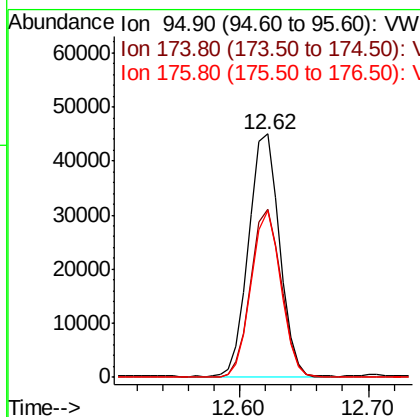
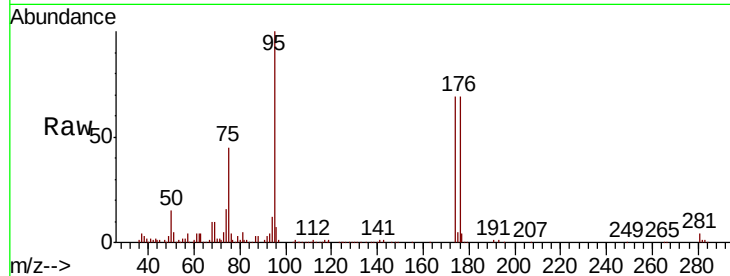




#62
4-Bromofluorobenzene
Concen: 38.594 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

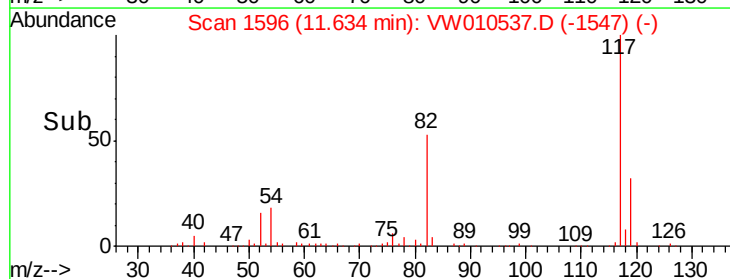
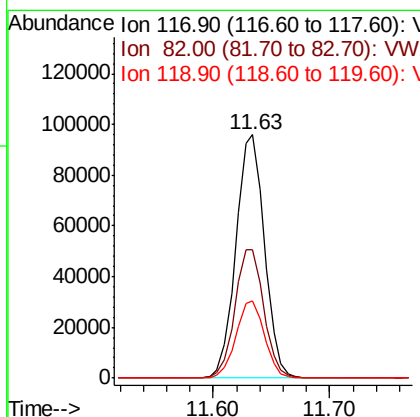
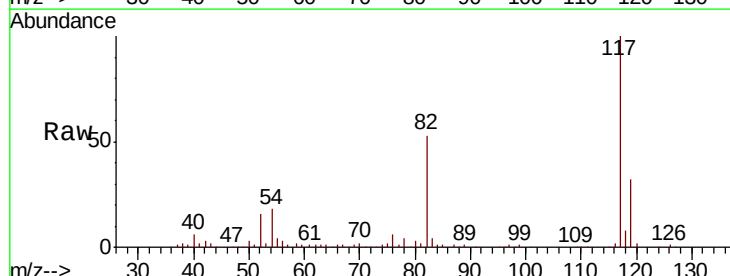
Instrument :
MSVOA_W
ClientSampleId :
TP-5-S2

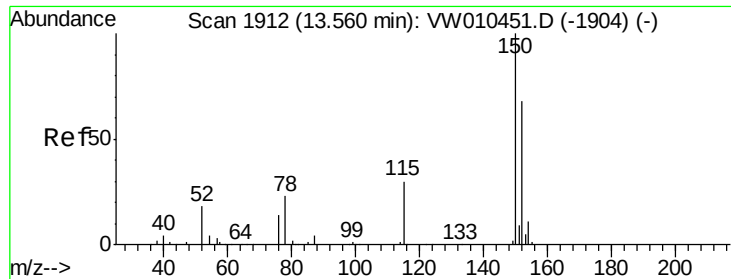
Tot Ion: 95 Resp: 73876
Ion Ratio Lower Upper
95 100
174 68.9 0.0 148.6
176 66.6 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010537.D
Acq: 23 May 2019 18:33

Tgt Ion: 117 Resp: 164016
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 31.9 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: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

TP-5-S2

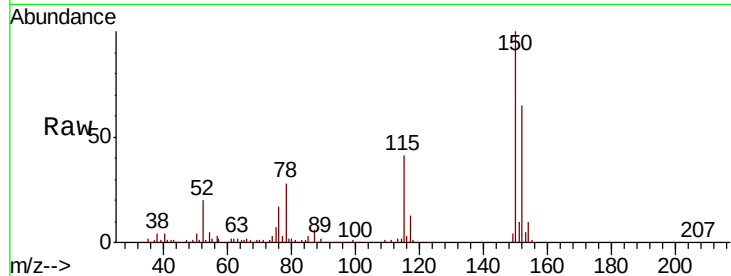
Tot Ion:152 Resp: 54344

Ion Ratio Lower Upper

152 100

115 63.3 30.3 91.0

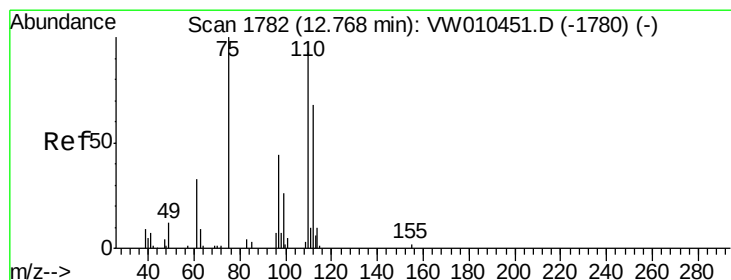
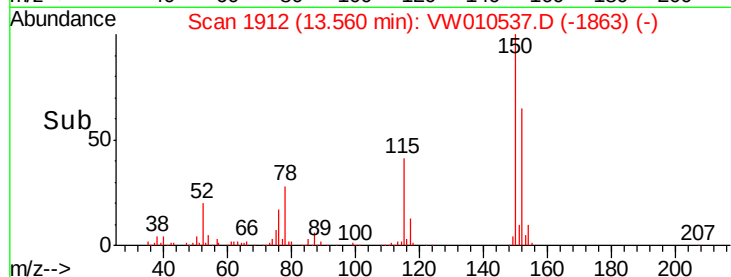
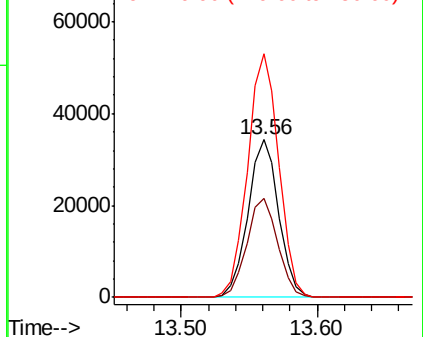
150 156.6 0.0 349.8



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



#76

1,2,3-Trichloropropane

Concen: 62.162 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010537.D

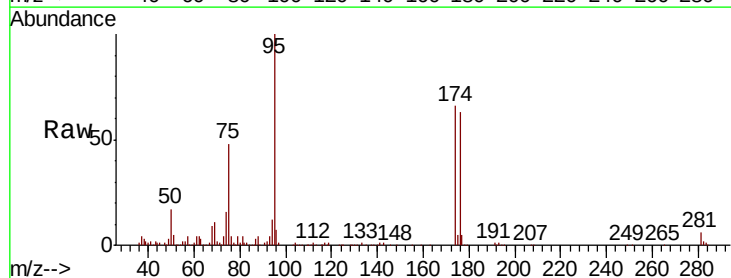
Acq: 23 May 2019 18:33

Tgt Ion: 75 Resp: 34290

Ion Ratio Lower Upper

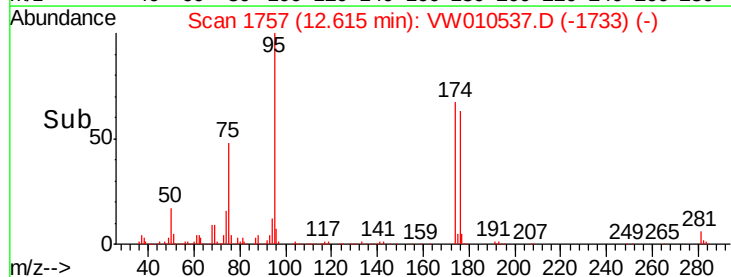
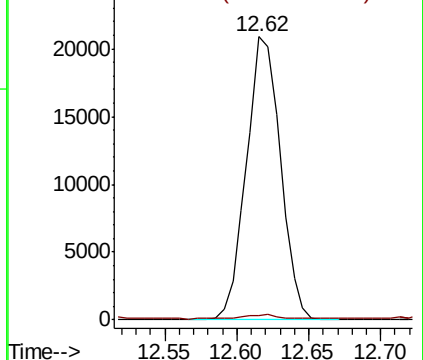
75 100

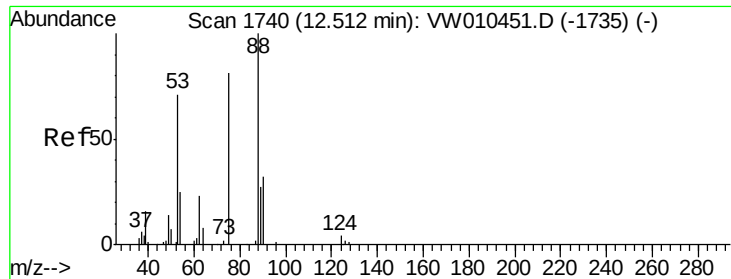
77 1.2 170.0 510.1#



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: 129.733 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010537.D

Acq: 23 May 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

TP-5-S2

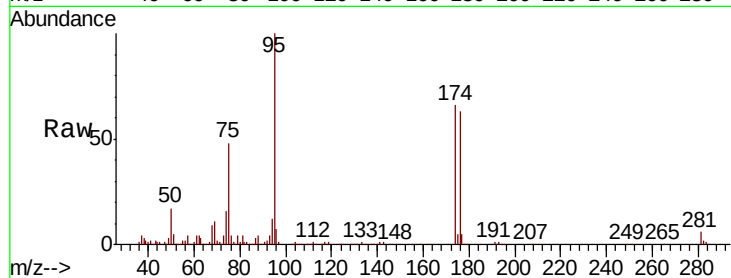
Tot Ion: 75 Resp: 34290

Ion Ratio Lower Upper

75 100

53 0.6 69.8 104.8#

89 0.1 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

