

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010473.D
 Acq On : 21 May 2019 03:15
 Operator : SY/VA
 Sample : K2951-13
 Misc : 4.69G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-15-S

Quant Time: May 21 06:51:40 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

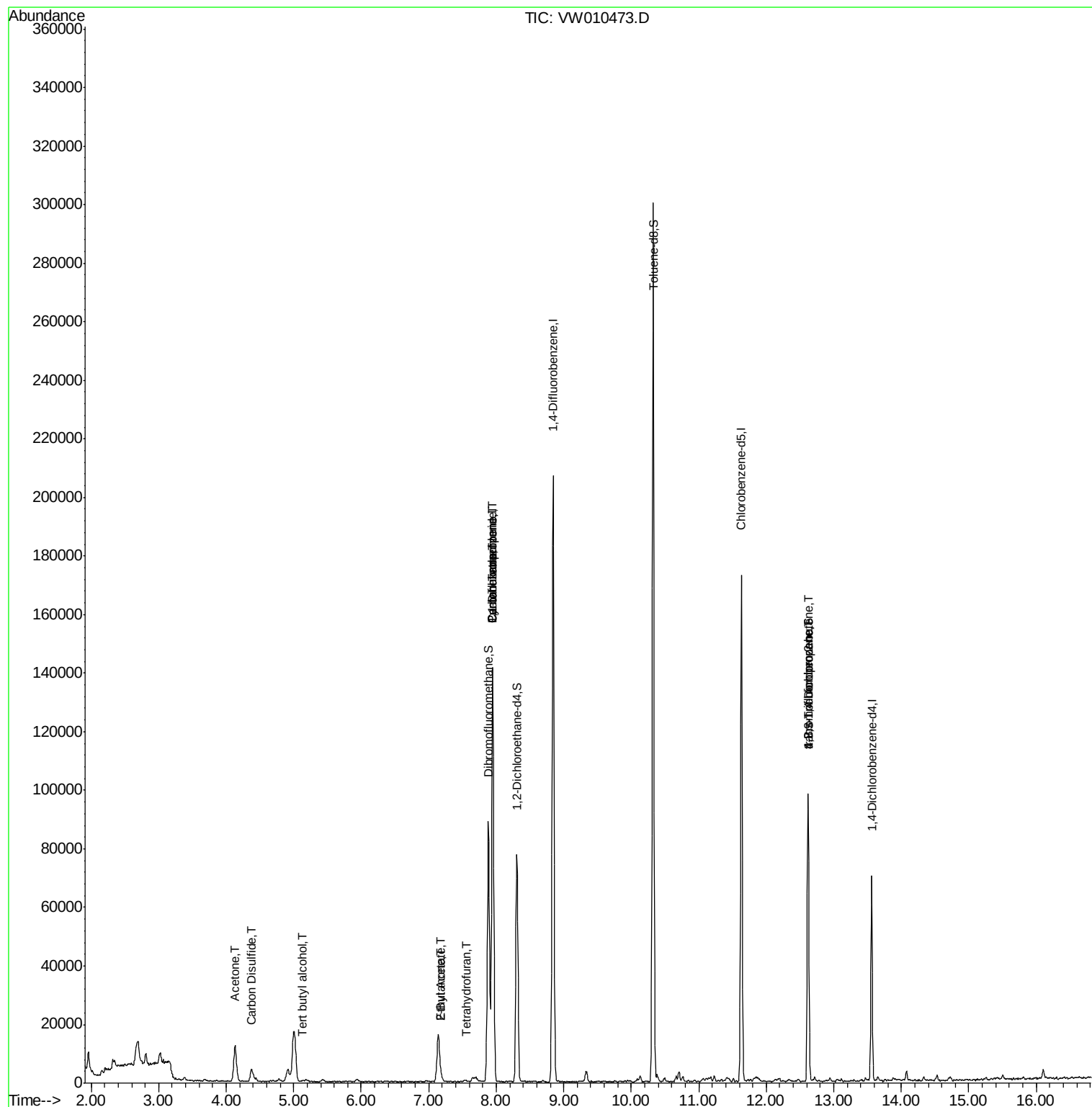
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	181120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	17953	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	60810	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
35) Dibromofluoromethane	7.88	113	63043	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
50) Toluene-d8	10.32	98	200922	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.62	95	35232	21.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.14%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.14	59	155	1.636	ug/l #	71
13) Acrolein	3.91	56	21	Below Cal	#	78
16) Acetone	4.14	43	22566	104.943	ug/l	95
17) Carbon Disulfide	4.37	76	8604	2.676	ug/l	99
20) Methylene Chloride	4.91	84	3370	Below Cal		90
25) 2-Butanone	7.18	43	3485	11.325	ug/l #	86
29) Tetrahydrofuran	7.55	42	370	1.777	ug/l #	45
31) Cyclohexane	7.95	56	2692	1.346	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	8075	4.786	ug/l #	49
37) Ethyl Acetate	7.18	43	3485	4.857	ug/l #	67
38) Carbon Tetrachloride	7.95	117	10935	6.008	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	17052	93.572	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	17052	195.287	ug/l #	14

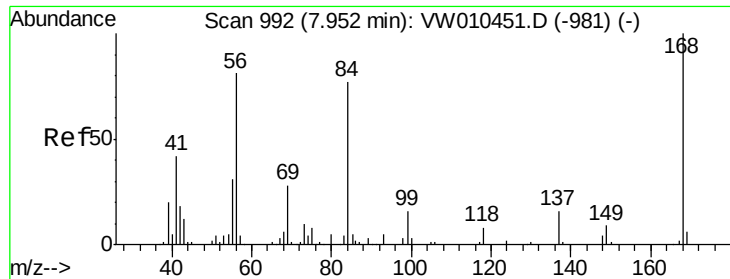
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010473.D

Acq: 21 May 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

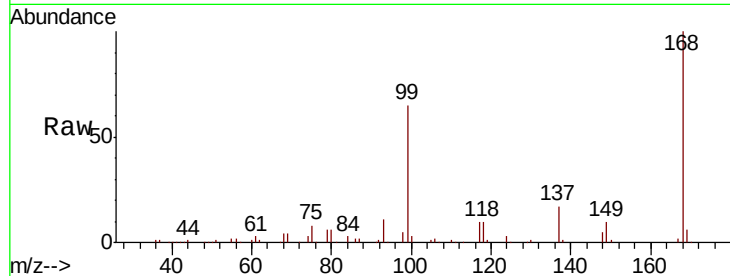
TP-15-S

Tot Ion:168 Resp: 102061

Ion Ratio Lower Upper

168 100

99 65.1 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

50000

40000

30000

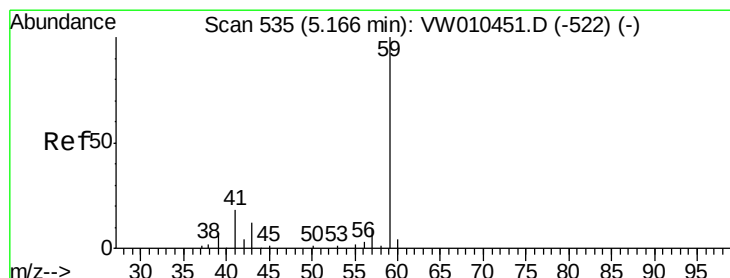
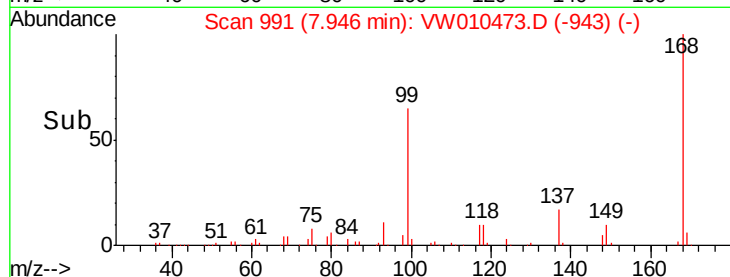
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 1.636 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW010473.D

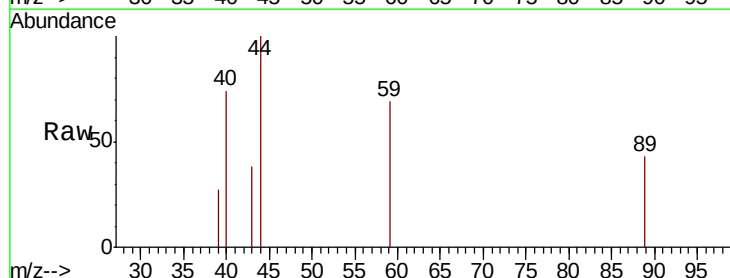
Acq: 21 May 2019 03:15

Tgt Ion: 59 Resp: 155

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

5.14

200

150

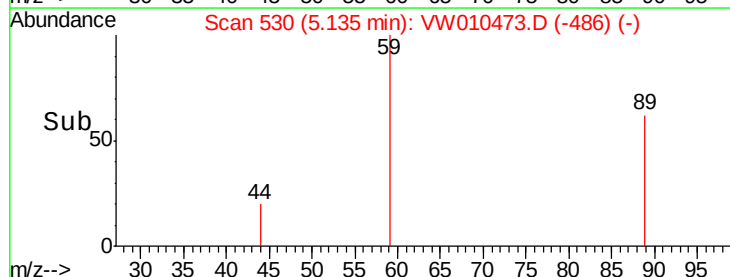
100

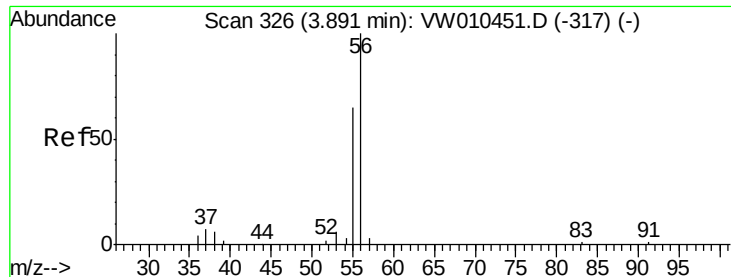
50

0

Time-->

5.10 5.12 5.14





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW010473.D

Acq: 21 May 2019 03:15

Instrument :

MSVOA_W

ClientSampled :

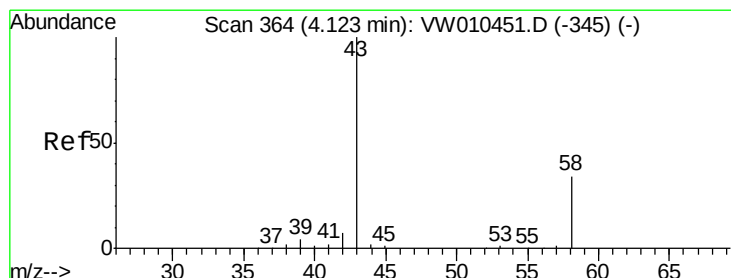
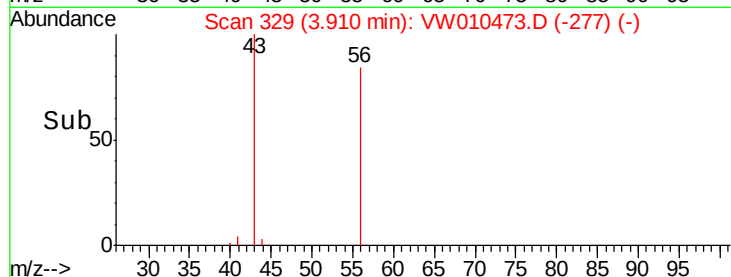
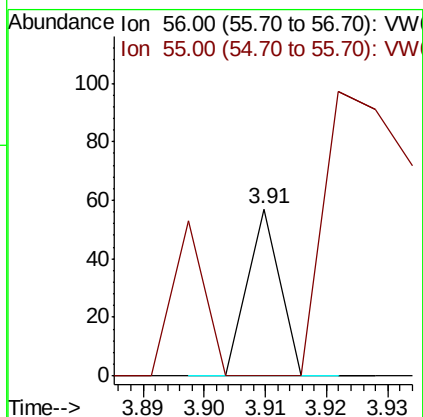
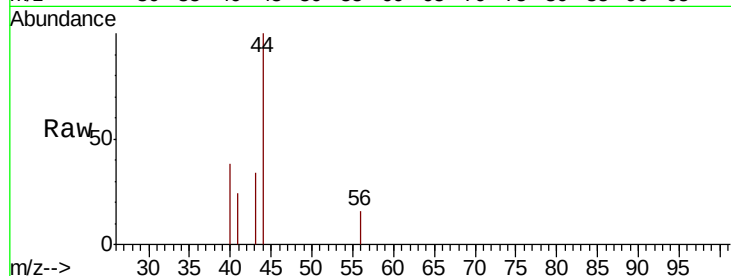
TP-15-S

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 90.5 57.9 86.9#



#16

Acetone

Concen: 104.943 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010473.D

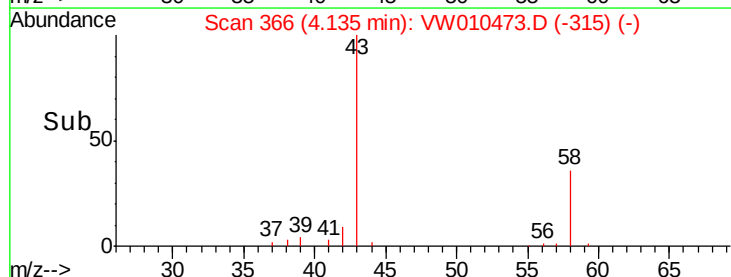
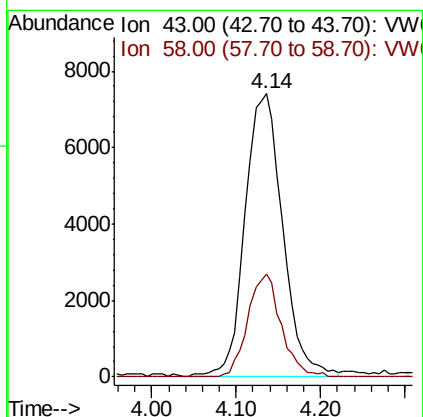
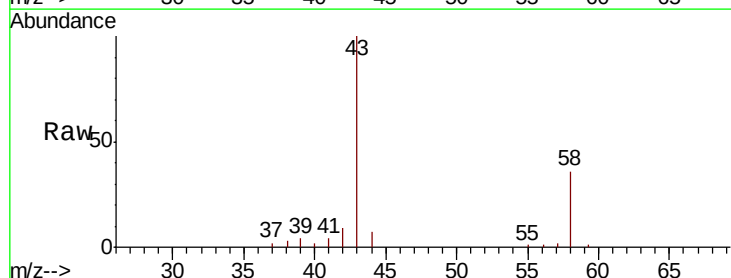
Acq: 21 May 2019 03:15

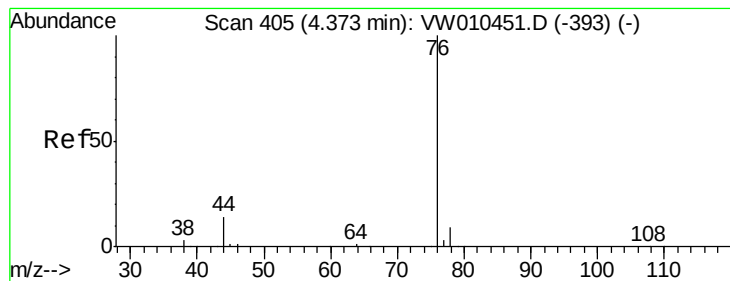
Tgt Ion: 43 Resp: 22566

Ion Ratio Lower Upper

43 100

58 36.3 27.0 40.4





#17

Carbon Disulfide

Concen: 2.676 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010473.D

Acq: 21 May 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

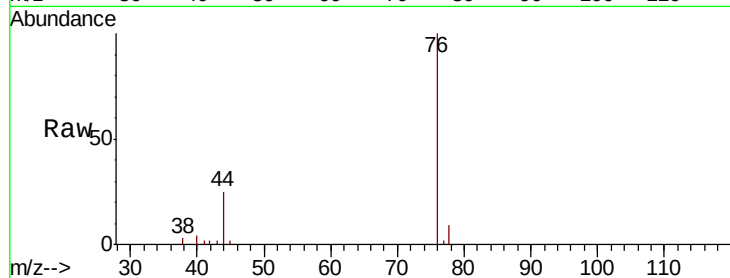
TP-15-S

Tot Ion: 76 Resp: 8604

Ion Ratio Lower Upper

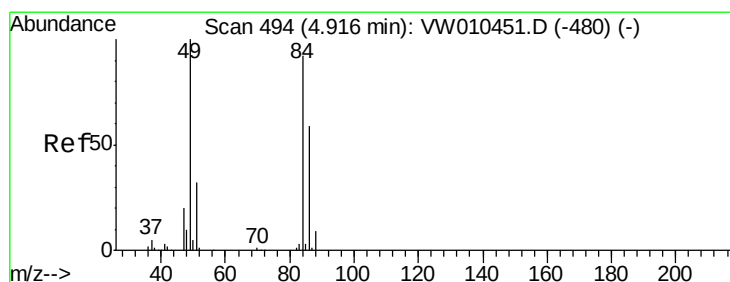
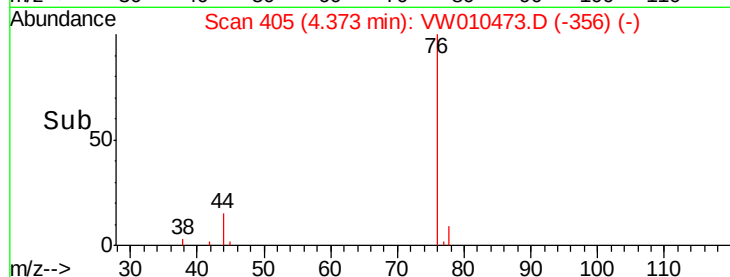
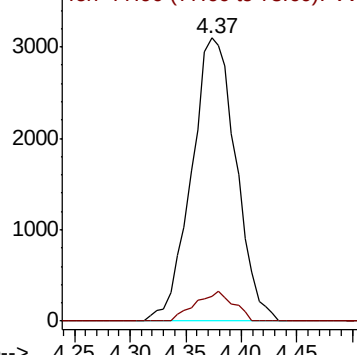
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010473.D

Acq: 21 May 2019 03:15

Tgt Ion: 84 Resp: 3370

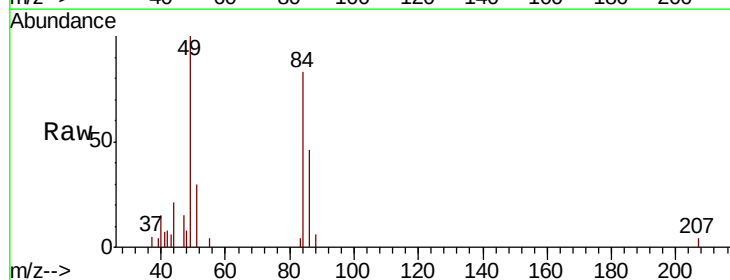
Ion Ratio Lower Upper

84 100

49 120.5 87.2 130.8

51 35.6 27.7 41.5

86 55.3 51.4 77.0

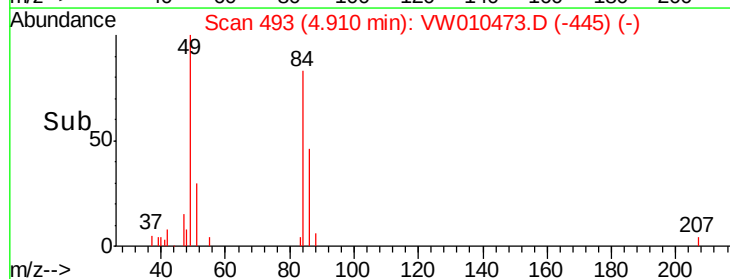
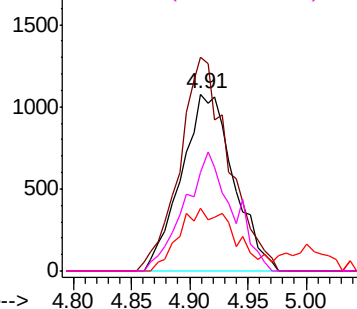


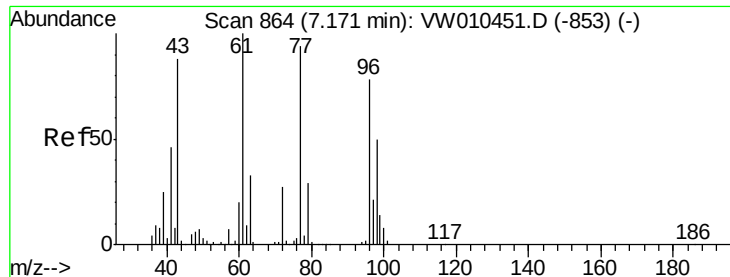
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 11.325 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010473.D

Acq: 21 May 2019 03:15

Instrument :

MSVOA_W

ClientSampled :

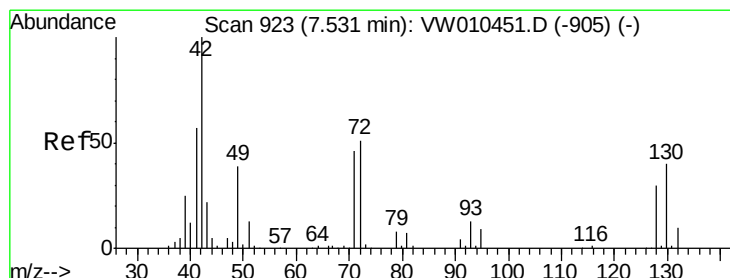
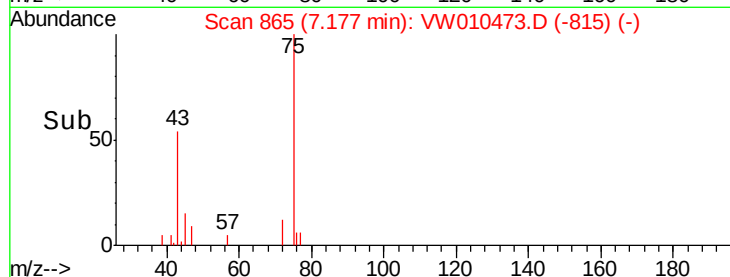
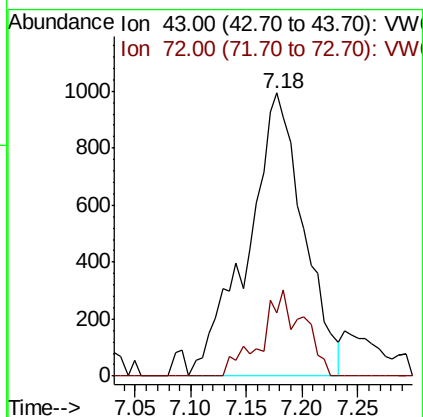
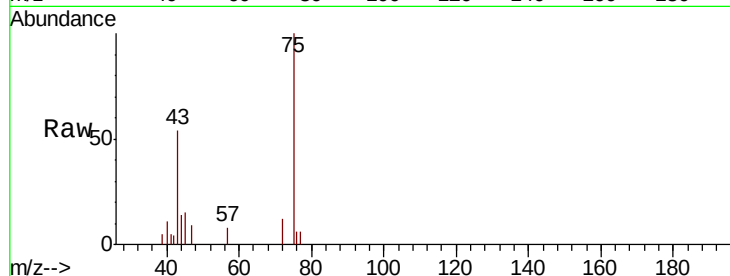
TP-15-S

Tot Ion: 43 Resp: 3485

Ion Ratio Lower Upper

43 100

72 22.5 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.777 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW010473.D

Acq: 21 May 2019 03:15

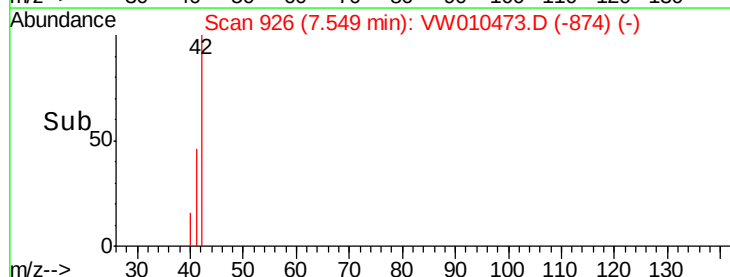
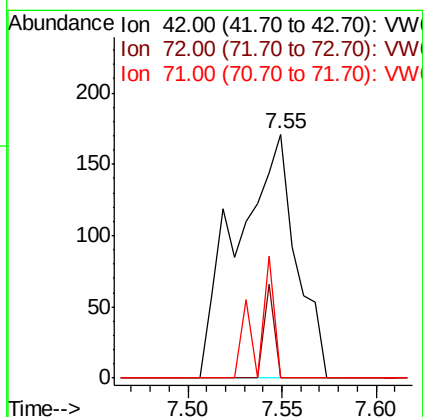
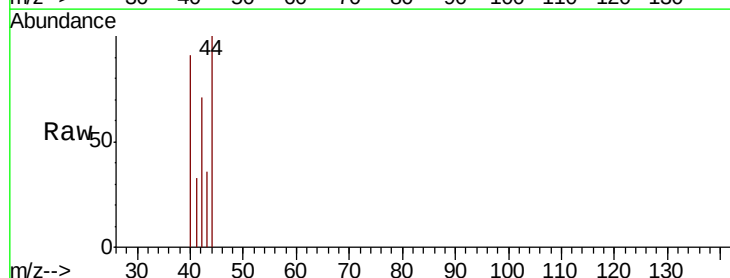
Tgt Ion: 42 Resp: 370

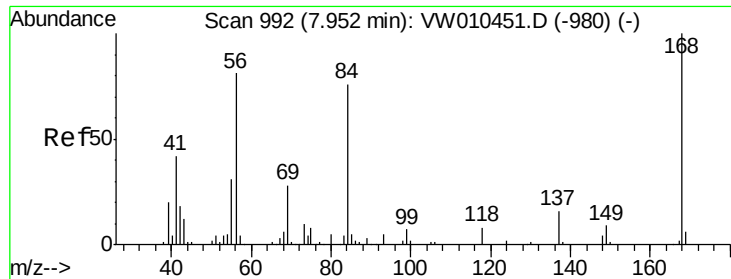
Ion Ratio Lower Upper

42 100

72 6.5 38.5 57.7#

71 14.1 36.5 54.7#

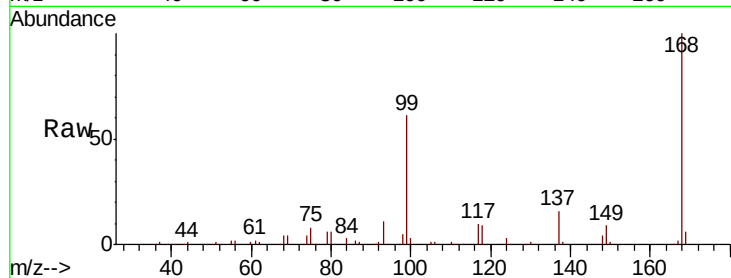




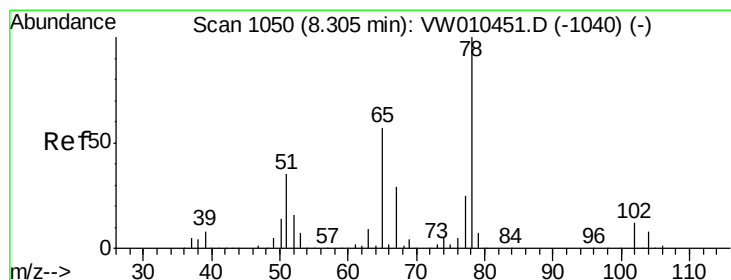
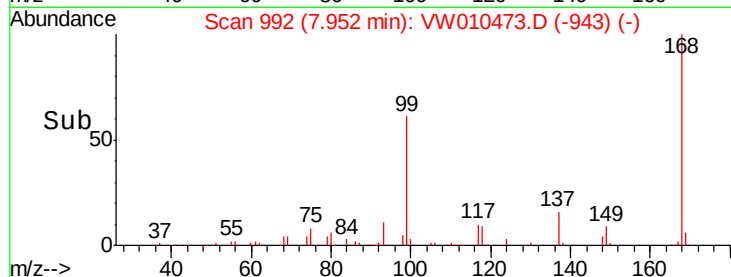
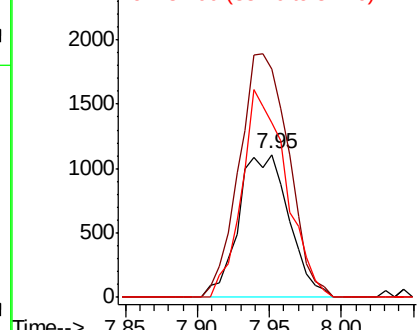
#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010473.D
Acq: 21 May 2019 03:15

Instrument :
MSVOA_W
ClientSampled :
TP-15-S

Tot Ion: 56 Resp: 2692
Ion Ratio Lower Upper
56 100
69 159.6 28.2 42.2#
84 122.3 75.8 113.8#

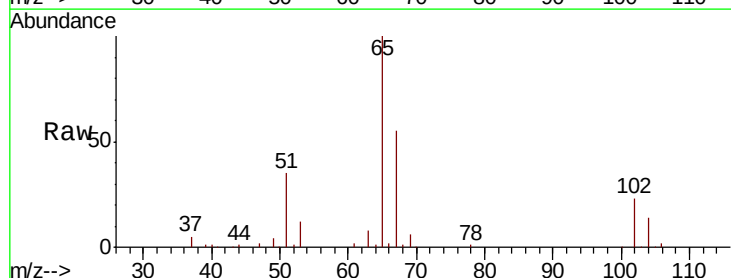


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

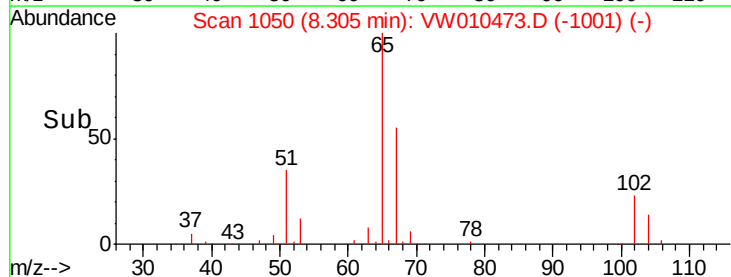
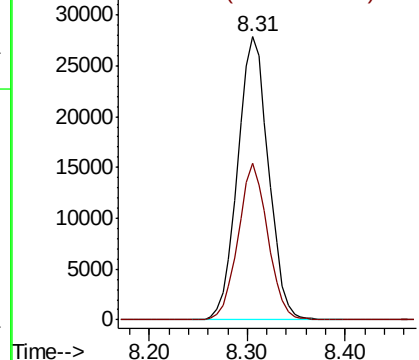


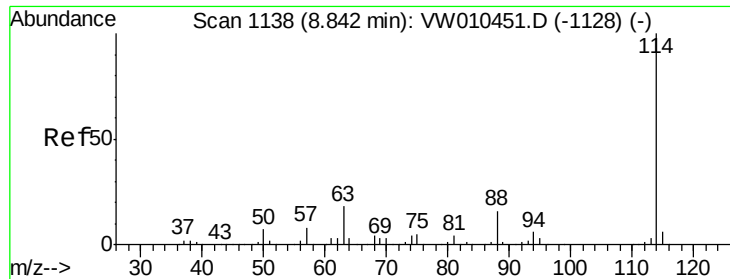
#33
1,2-Dichloroethane-d4
Concen: 57.725 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW010473.D
Acq: 21 May 2019 03:15

Tgt Ion: 65 Resp: 60810
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.6



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

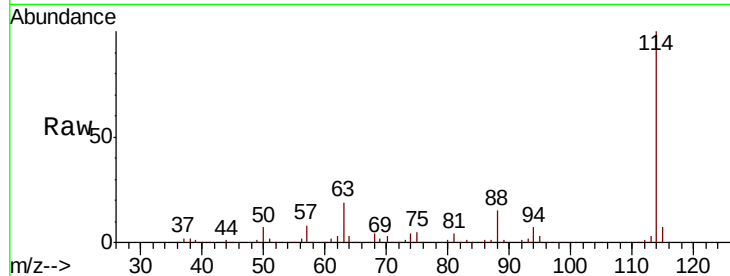




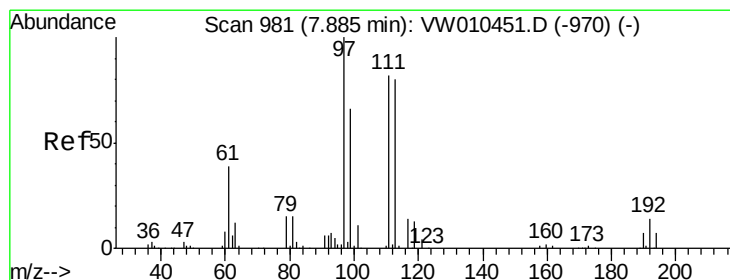
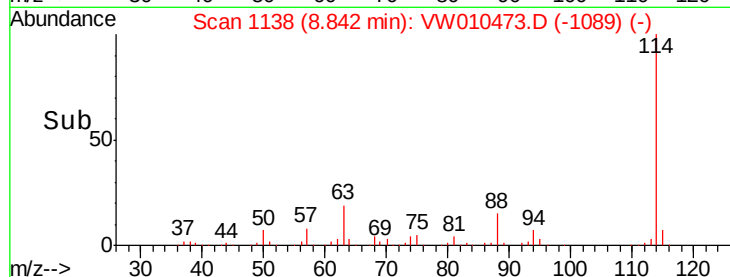
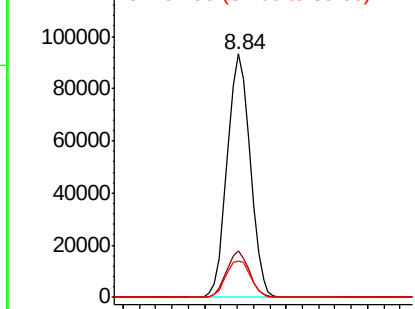
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010473.D
 Acq: 21 May 2019 03:15

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-15-S

Tot Ion:114 Resp: 181120
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.0
 88 15.1 0.0 32.0

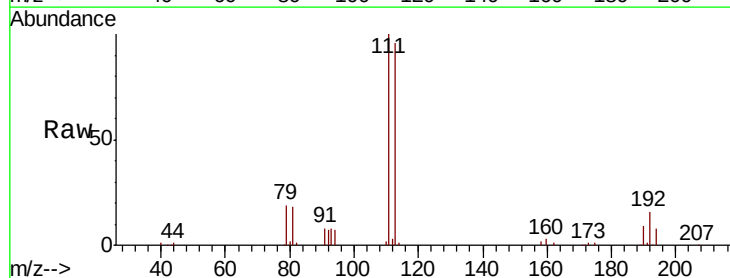


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

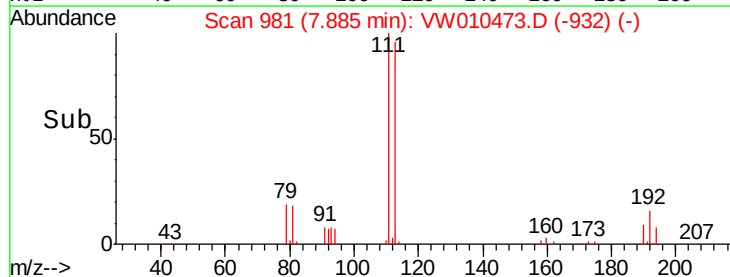
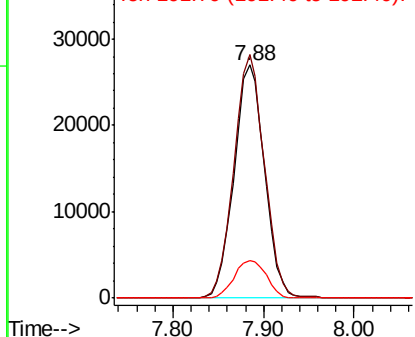


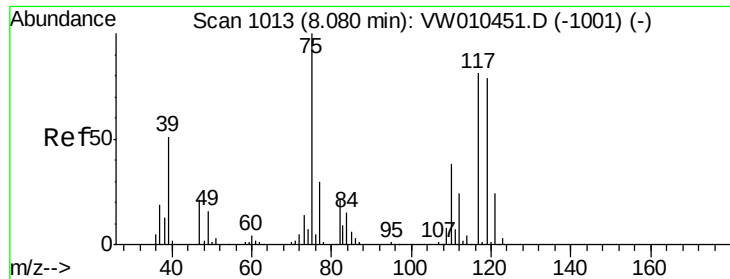
#35
 Dibromofluoromethane
 Concen: 57.364 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010473.D
 Acq: 21 May 2019 03:15

Tgt Ion:113 Resp: 63043
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.2 123.4
 192 17.1 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

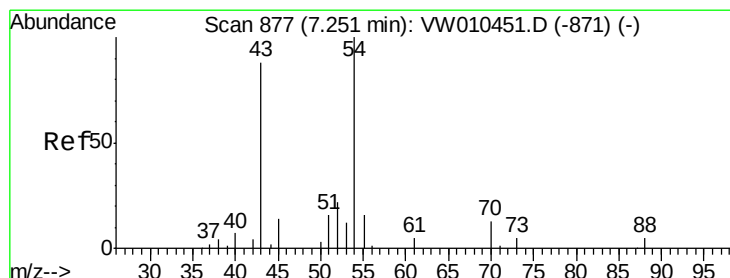
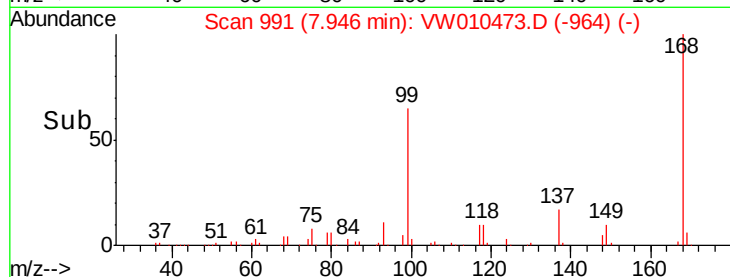
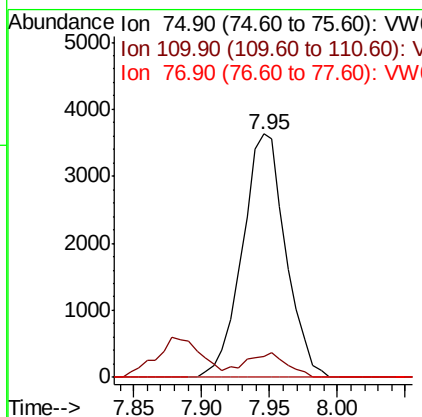
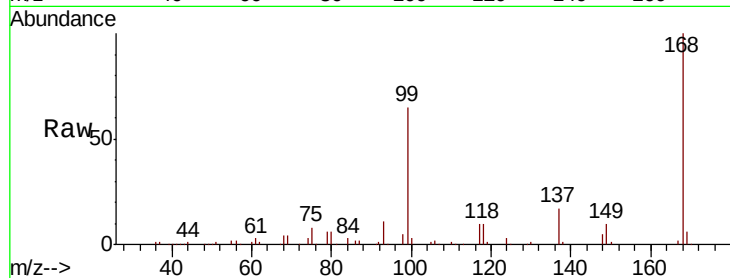




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010473.D
 Acq: 21 May 2019 03:15

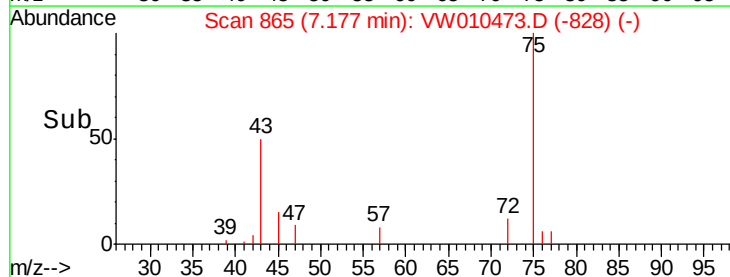
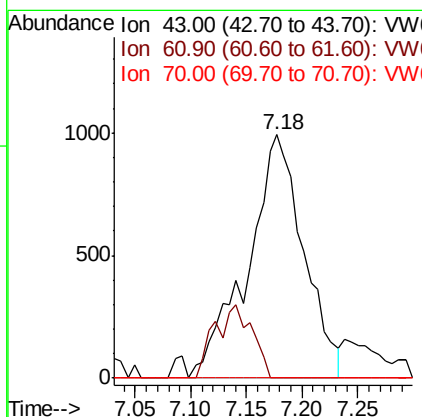
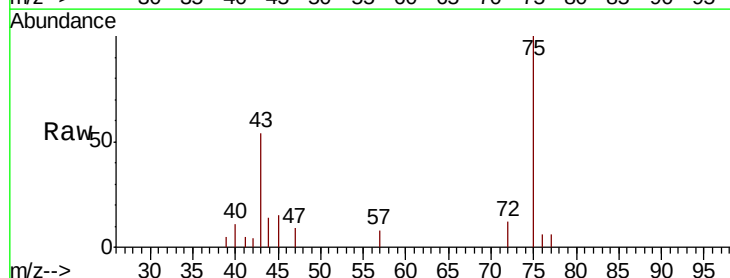
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-15-S

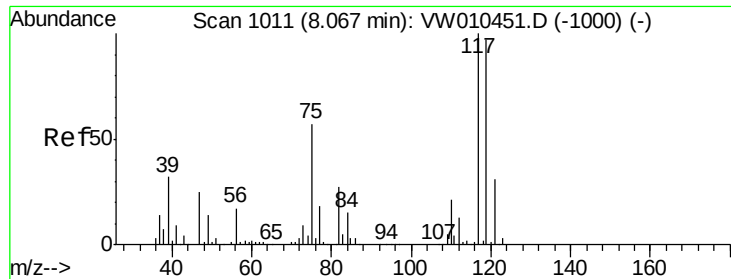
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.2	57.6#
77	0.0	25.2	37.8#



#37
 Ethyl Acetate
 Concen: 4.857 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW010473.D
 Acq: 21 May 2019 03:15

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

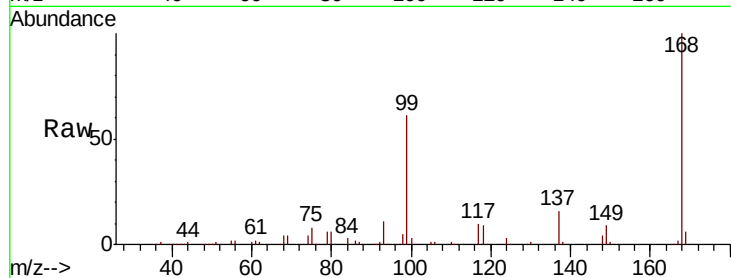




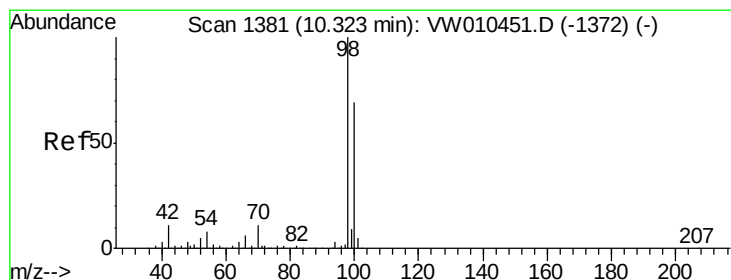
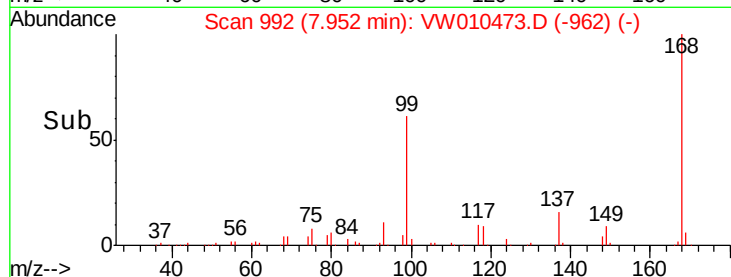
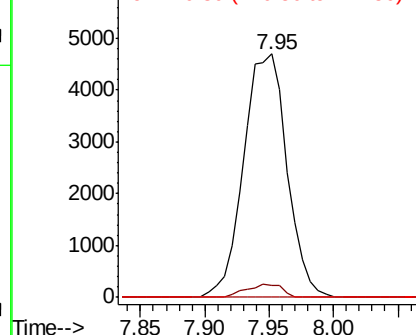
#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010473.D
Acq: 21 May 2019 03:15

Instrument :
MSVOA_W
ClientSampleId :
TP-15-S

Tot Ion:117 Resp: 10935
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.0 37.6#

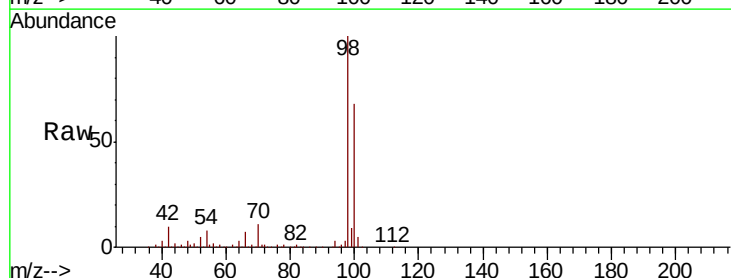


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

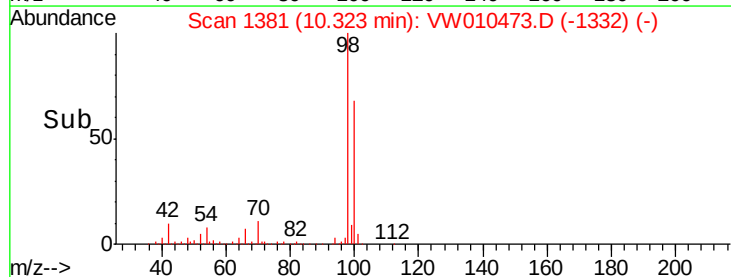
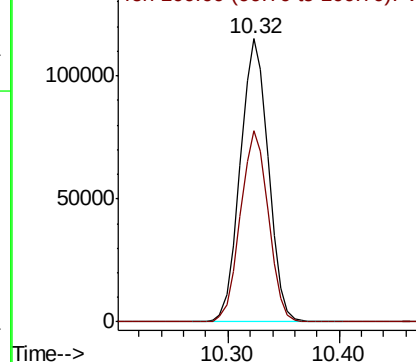


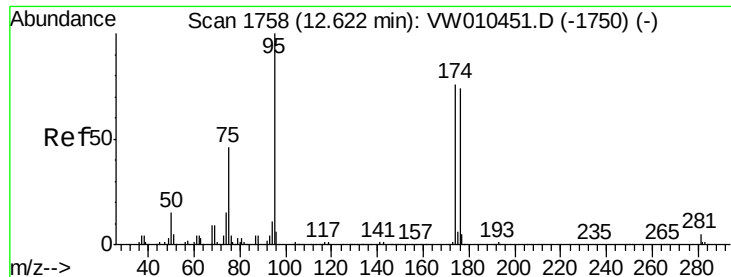
#50
Toluene-d8
Concen: 47.856 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010473.D
Acq: 21 May 2019 03:15

Tgt Ion: 98 Resp: 200922
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

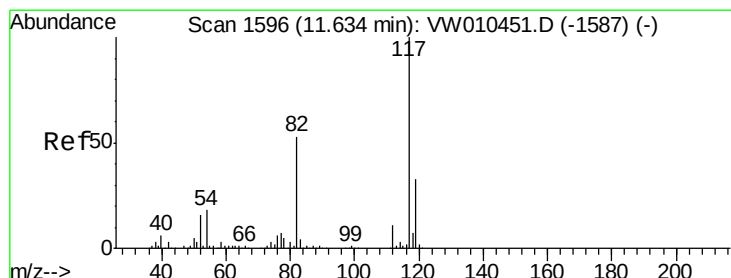
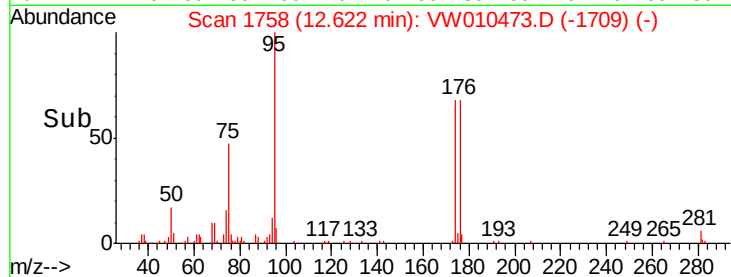
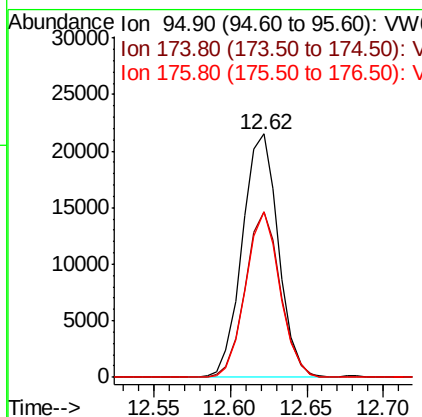
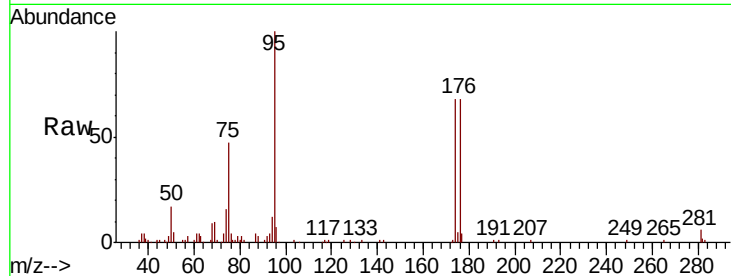




#62
4-Bromofluorobenzene
Concen: 21.068 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010473.D
Acq: 21 May 2019 03:15

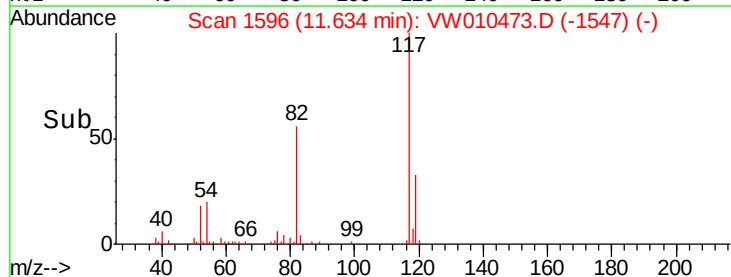
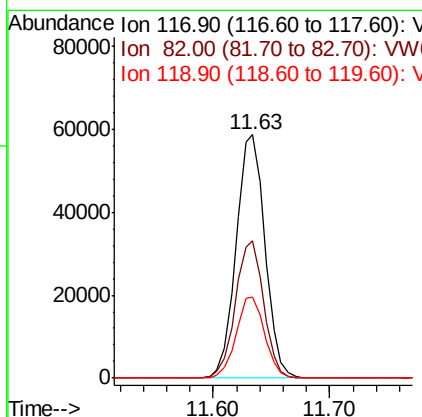
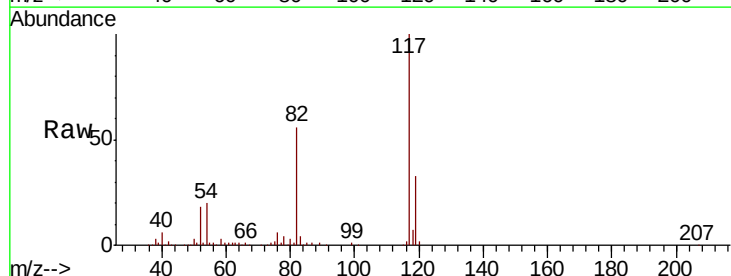
Instrument :
MSVOA_W
ClientSampleId :
TP-15-S

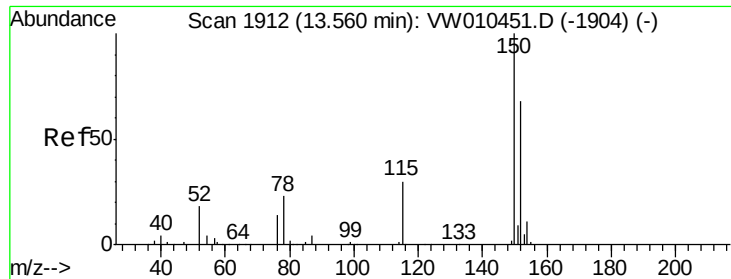
Tot Ion: 95 Resp: 35232
Ion Ratio Lower Upper
95 100
174 66.0 0.0 148.6
176 64.5 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010473.D
Acq: 21 May 2019 03:15

Tgt Ion: 117 Resp: 101287
Ion Ratio Lower Upper
117 100
82 56.3 42.8 64.2
119 33.5 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: VW010473.D

Acq: 21 May 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

TP-15-S

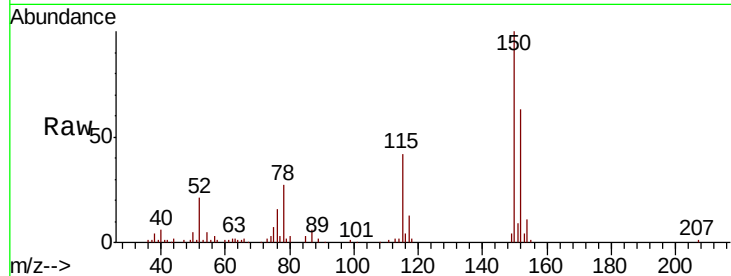
Tot Ion:152 Resp: 17953

Ion Ratio Lower Upper

152 100

115 65.7 30.3 91.0

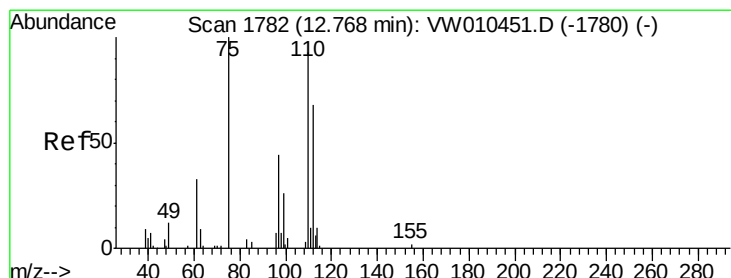
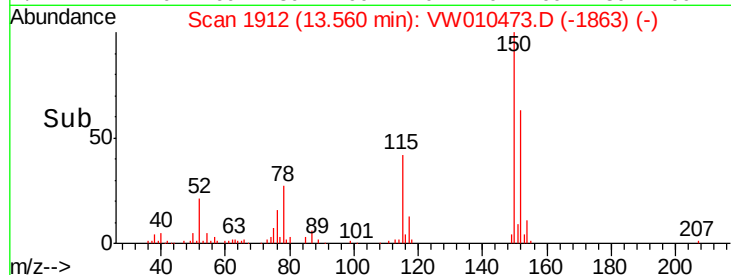
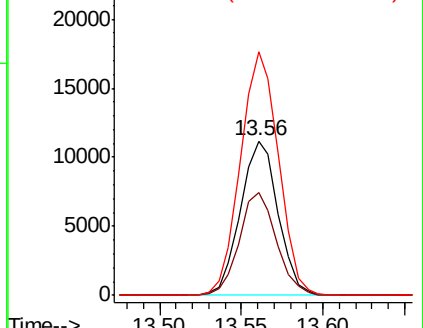
150 159.0 0.0 349.8



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: 93.572 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010473.D

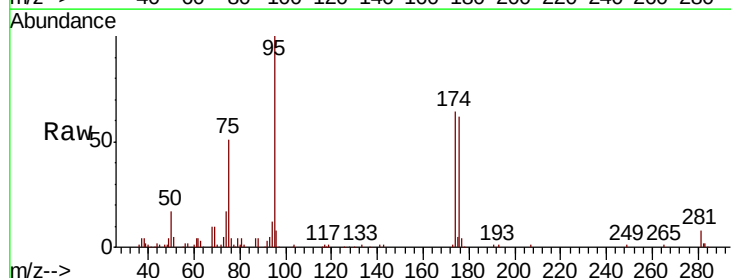
Acq: 21 May 2019 03:15

Tgt Ion: 75 Resp: 17052

Ion Ratio Lower Upper

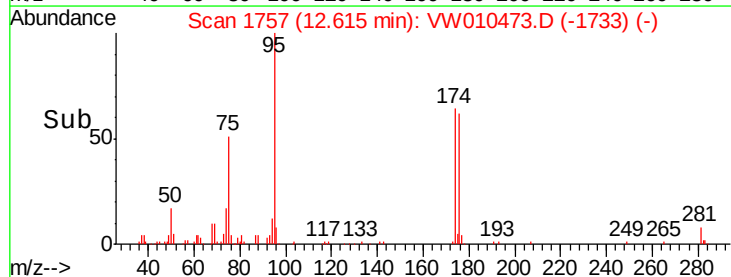
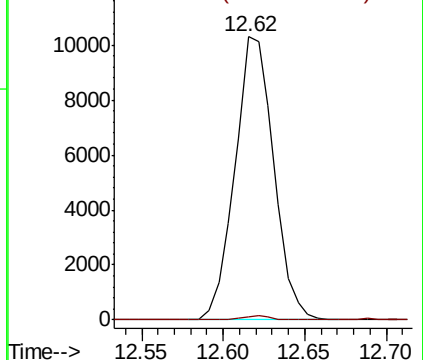
75 100

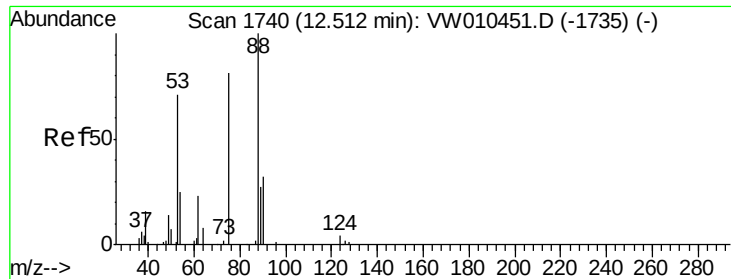
77 0.9 170.0 510.1#



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: 195.287 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010473.D

Acq: 21 May 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

TP-15-S

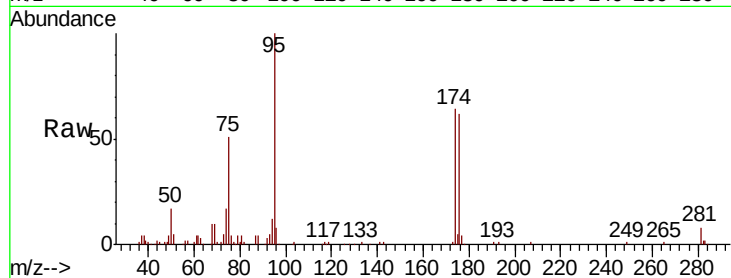
Tot Ion: 75 Resp: 17052

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

