

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010362.D
 Acq On : 10 May 2019 18:02
 Operator : SY/VA
 Sample : K2717-20
 Misc : 5.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0206-01

Quant Time: May 10 23:19:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	529139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1087395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	687827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	247692	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	715522	127.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	254.38%	
35) Dibromofluoromethane	7.88	113	549054	86.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	172.56%	
50) Toluene-d8	10.32	98	874372	33.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.48%	
62) 4-Bromofluorobenzene	12.62	95	318309	34.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.80%	

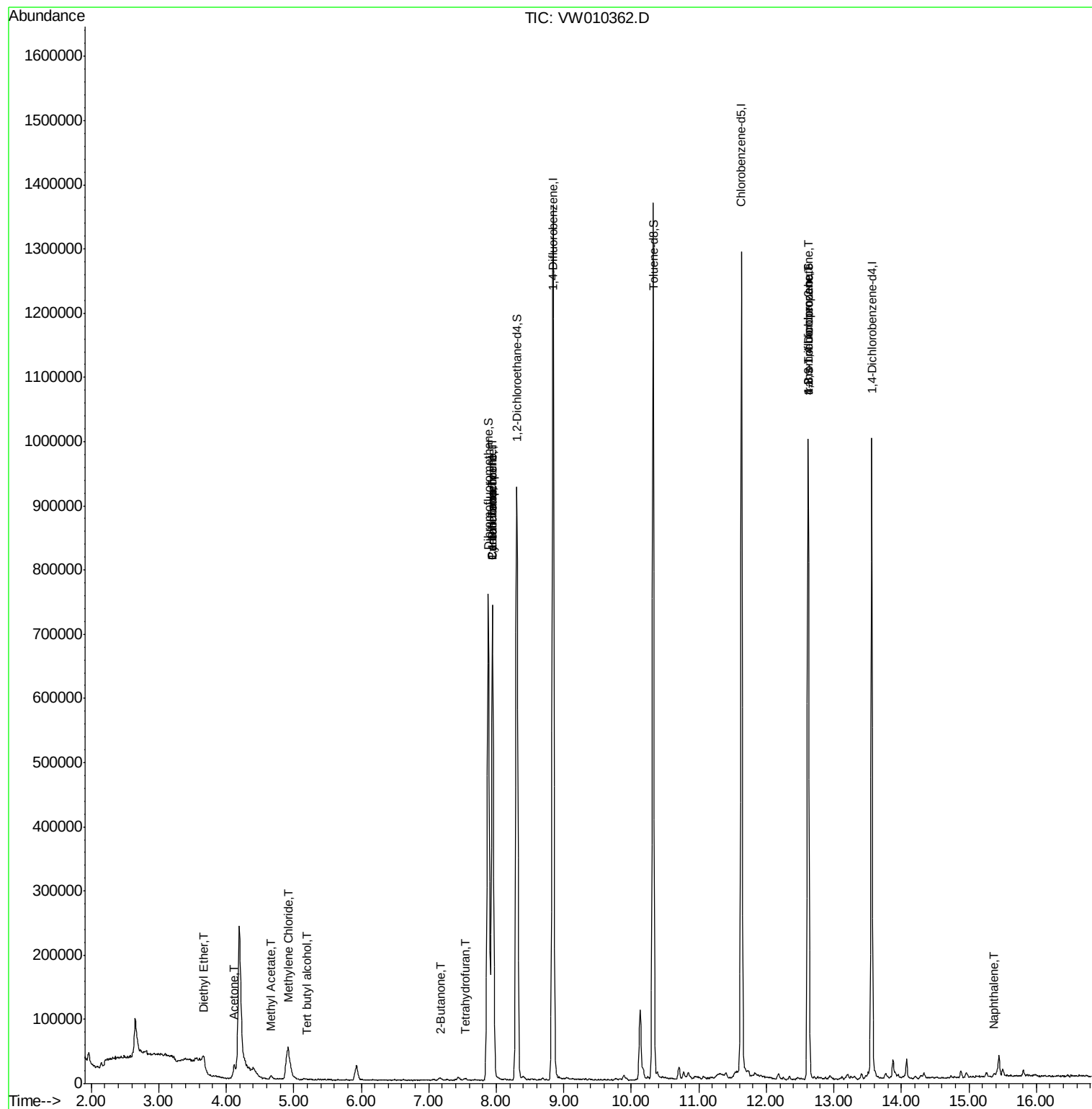
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	5334	1.801	ug/l	95
11) Tert butyl alcohol	5.20	59	1534	3.861	ug/l #	87
16) Acetone	4.12	43	37505	25.574	ug/l	96
18) Methyl Acetate	4.67	43	8735	2.405	ug/l #	73
20) Methylene Chloride	4.92	84	50435	8.245	ug/l	89
25) 2-Butanone	7.18	43	2778	1.238	ug/l	91
29) Tetrahydrofuran	7.54	42	2305	1.588	ug/l #	85
31) Cyclohexane	7.94	56	13268	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	46327	3.929	ug/l #	50
38) Carbon Tetrachloride	7.95	117	52833	5.227	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	164837	57.079	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	164837	128.902	ug/l #	6
95) Naphthalene	15.37	128	4235	3.944	ug/l #	94

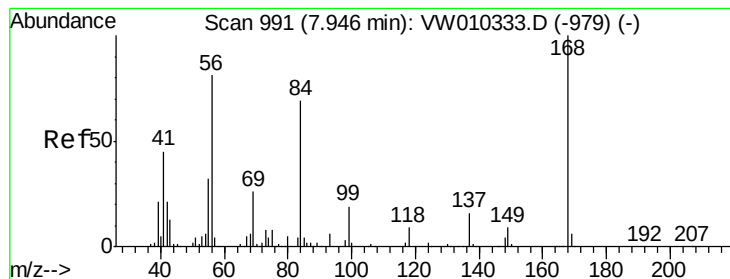
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

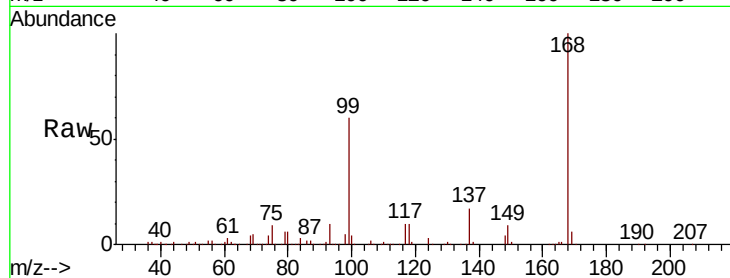
P026-SS004-0206-01

Tgt Ion:168 Resp: 529139

Ion Ratio Lower Upper

168 100

99 59.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

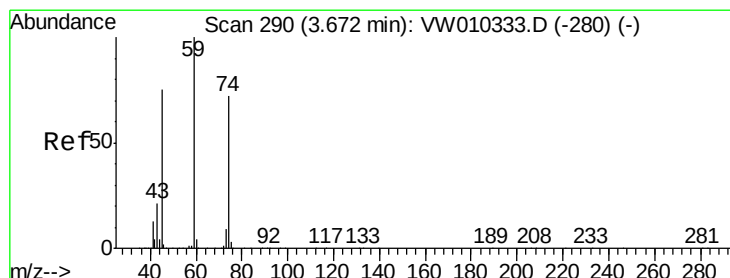
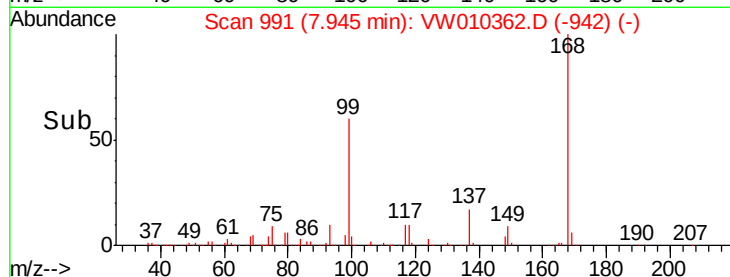
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.801 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010362.D

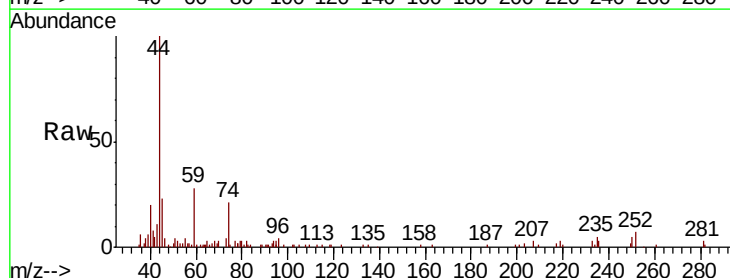
Acq: 10 May 2019 18:02

Tgt Ion: 74 Resp: 5334

Ion Ratio Lower Upper

74 100

45 116.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

3000

2500

2000

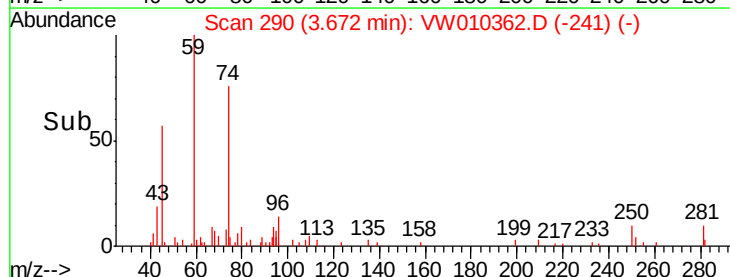
1500

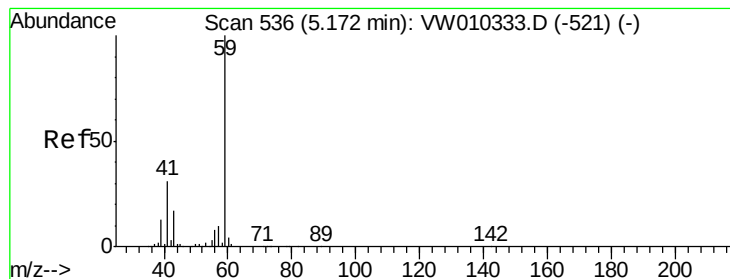
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 3.861 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

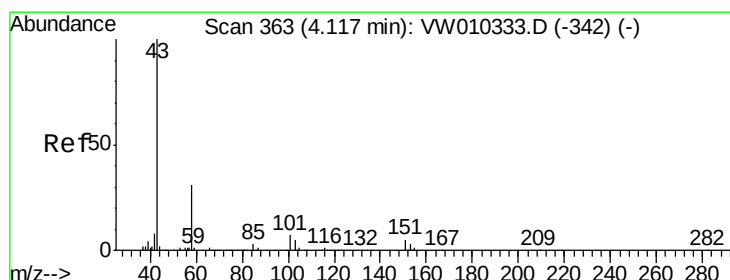
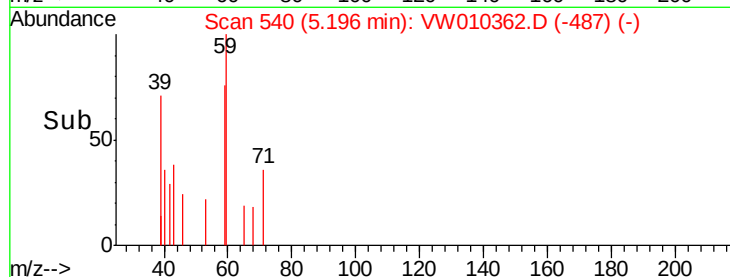
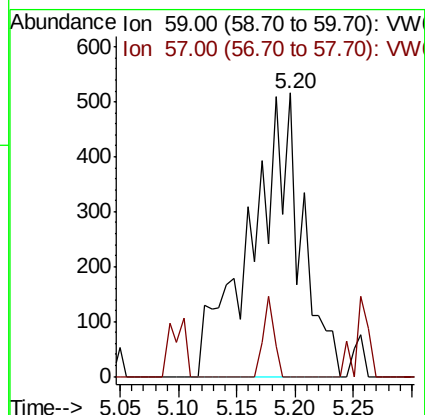
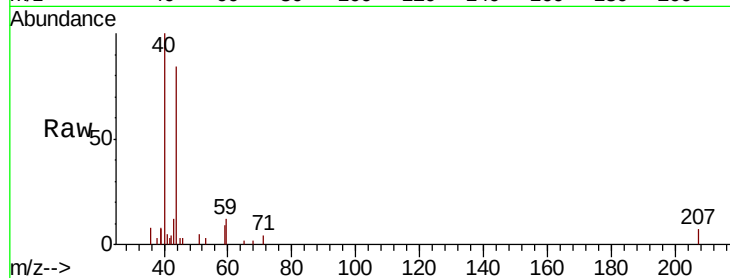
P026-SS004-0206-01

Tgt Ion: 59 Resp: 1534

Ion Ratio Lower Upper

59 100

57 6.3 9.0 13.4#



#16

Acetone

Concen: 25.574 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010362.D

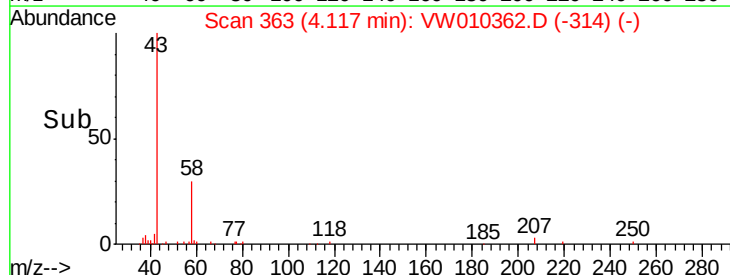
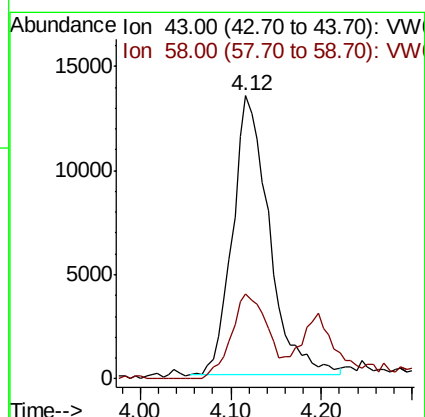
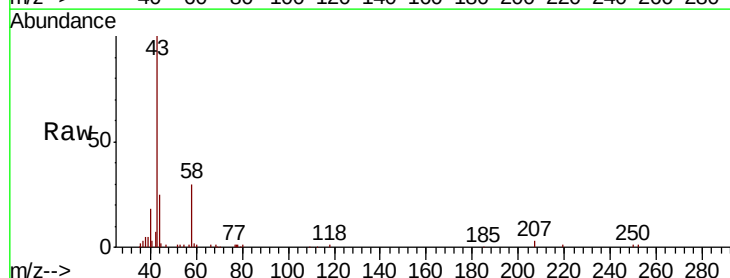
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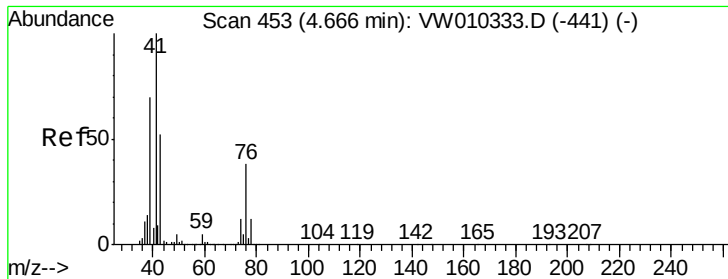
Tgt Ion: 43 Resp: 37505

Ion Ratio Lower Upper

43 100

58 30.3 22.7 34.1

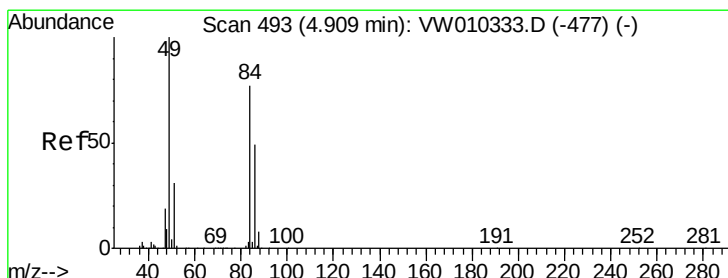
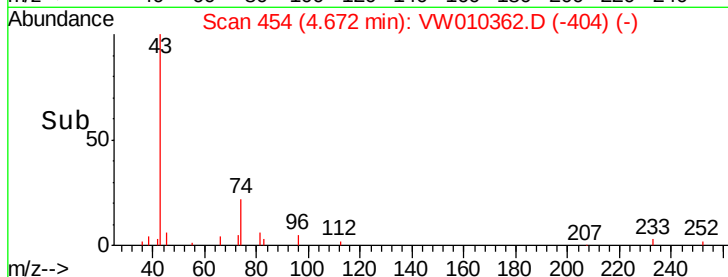
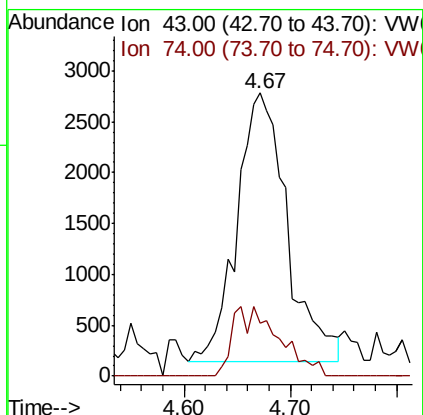
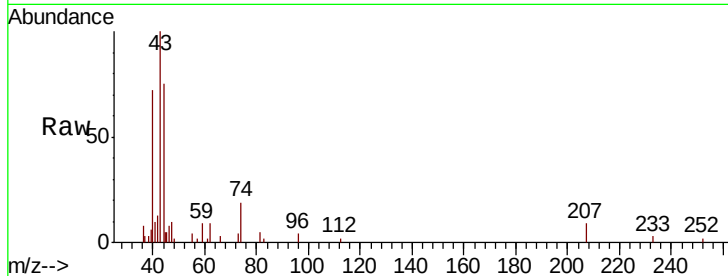




#18
Methyl Acetate
Concen: 2.405 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010362.D
Acq: 10 May 2019 18:02

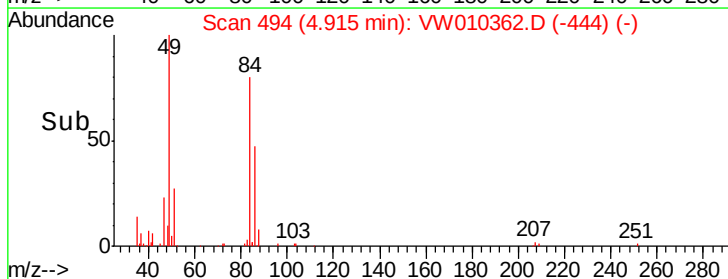
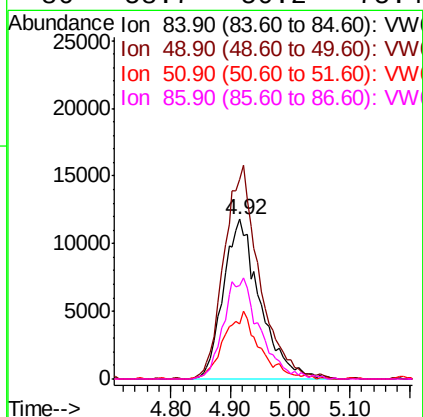
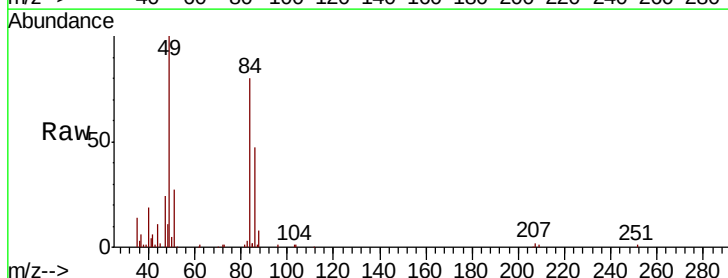
Instrument :
MSVOA_W
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P026-SS004-0206-01

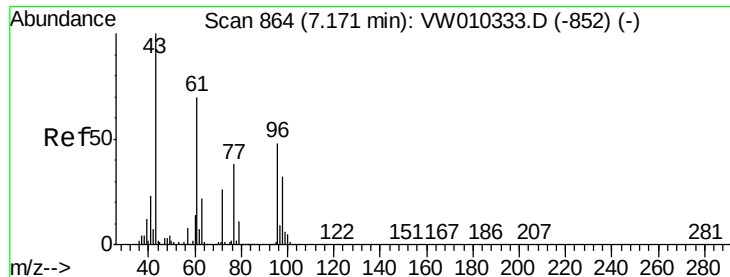
Tgt Ion: 43 Resp: 8735
Ion Ratio Lower Upper
43 100
74 8.4 16.8 25.2#



#20
Methylene Chloride
Concen: 8.245 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010362.D
Acq: 10 May 2019 18:02

Tgt Ion: 84 Resp: 50435
Ion Ratio Lower Upper
84 100
49 124.6 112.3 168.5
51 34.2 33.9 50.9
86 58.7 50.2 75.4

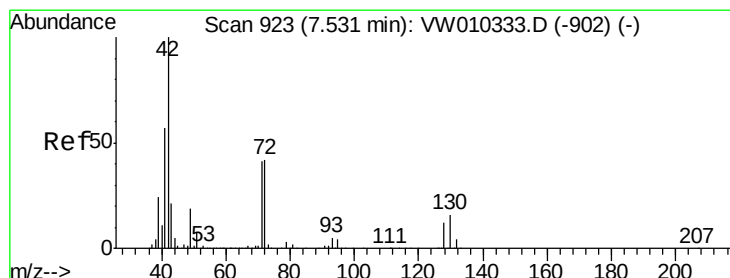
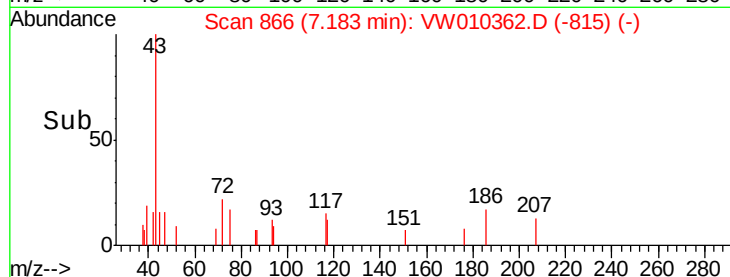
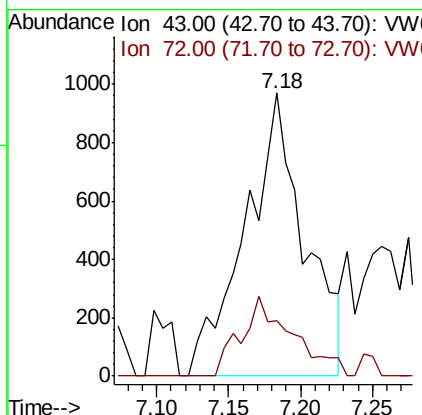
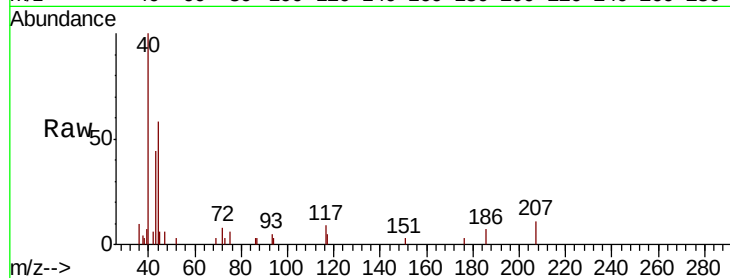




#25
 2-Butanone
 Concen: 1.238 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW010362.D
 Acq: 10 May 2019 18:02

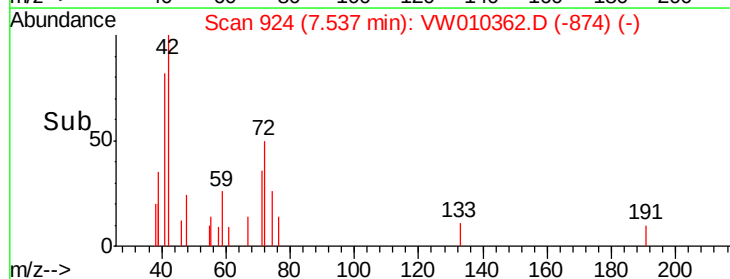
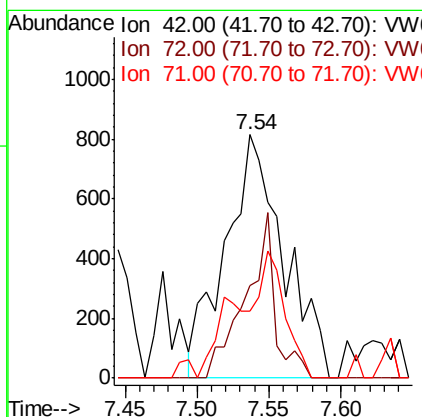
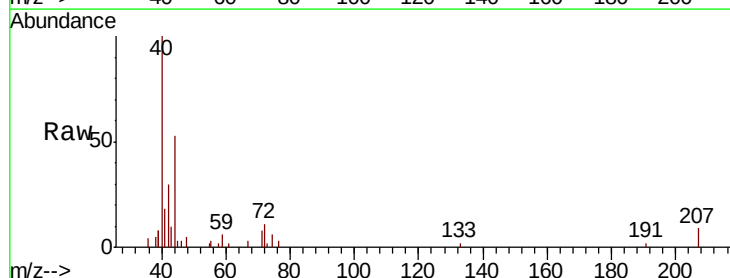
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0206-01

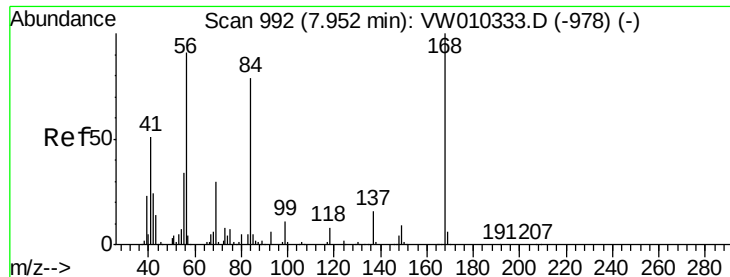
Tgt Ion: 43 Resp: 2778
 Ion Ratio Lower Upper
 43 100
 72 19.5 19.1 28.7



#29
 Tetrahydrofuran
 Concen: 1.588 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW010362.D
 Acq: 10 May 2019 18:02

Tgt Ion: 42 Resp: 2305
 Ion Ratio Lower Upper
 42 100
 72 34.1 31.0 46.6
 71 23.2 29.7 44.5#





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0206-01

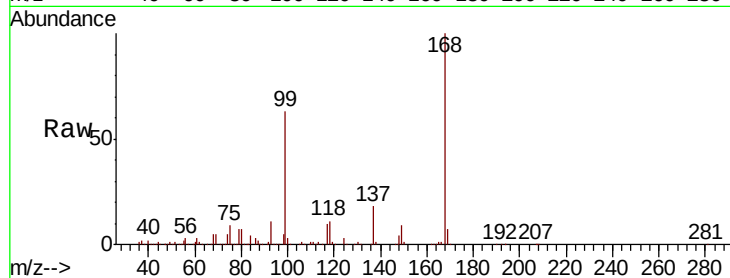
Tgt Ion: 56 Resp: 13268

Ion Ratio Lower Upper

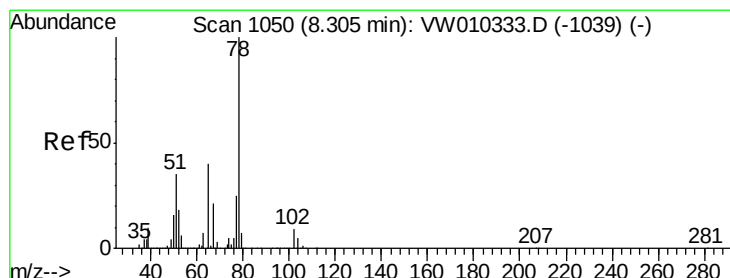
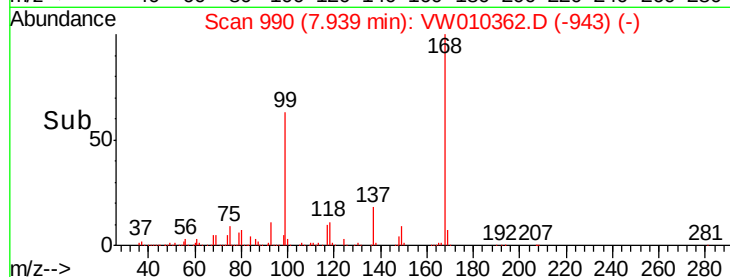
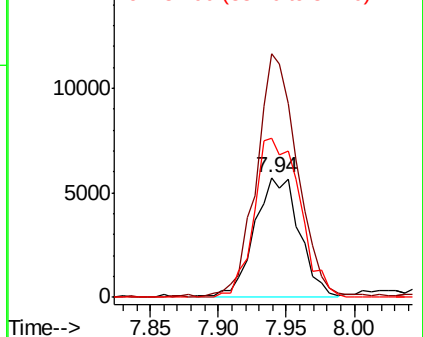
56 100

69 200.8 26.6 40.0#

84 133.3 66.2 99.2#



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: 127.194 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010362.D

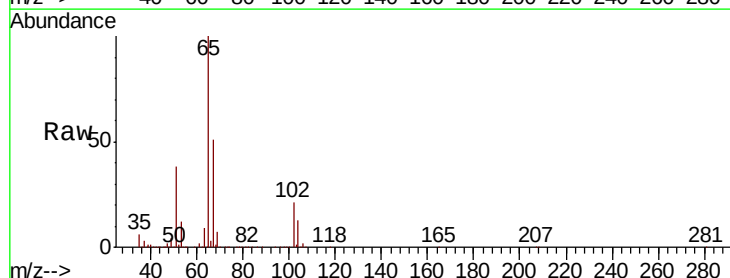
Acq: 10 May 2019 18:02

Tgt Ion: 65 Resp: 715522

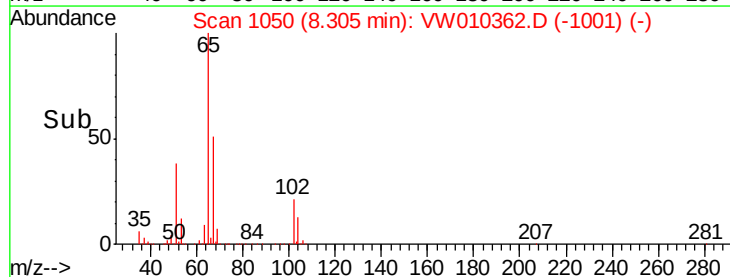
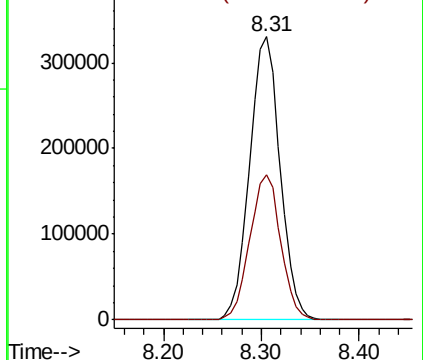
Ion Ratio Lower Upper

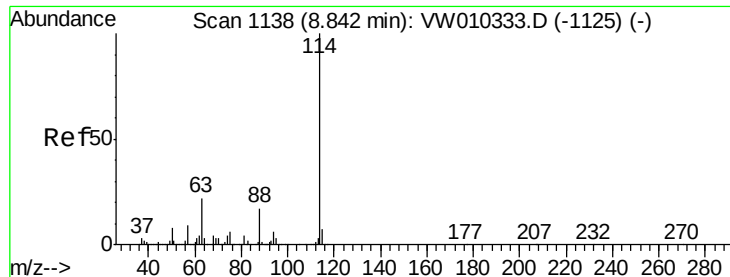
65 100

67 52.0 0.0 100.8



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

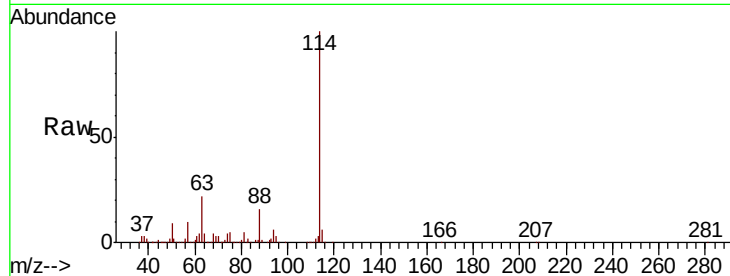




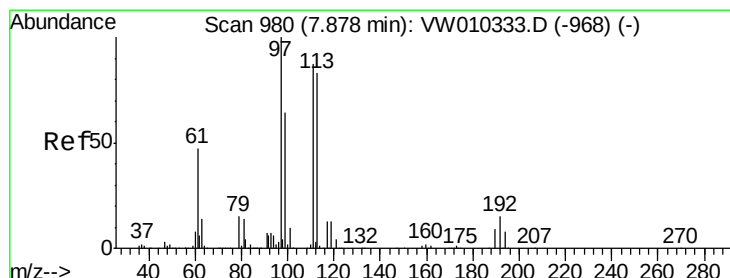
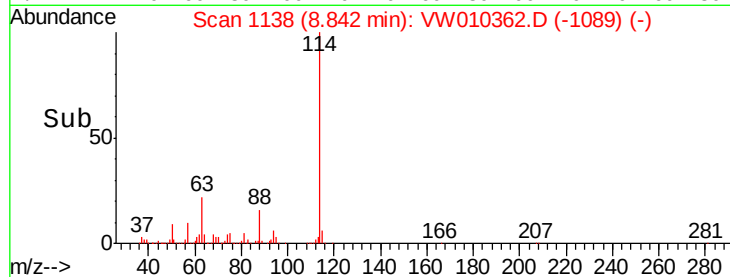
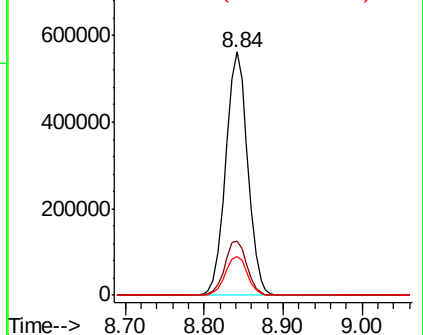
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010362.D
 Acq: 10 May 2019 18:02

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 P026-SS004-0206-01

Tgt Ion:114 Resp: 1087395
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.2
 88 16.2 0.0 32.6

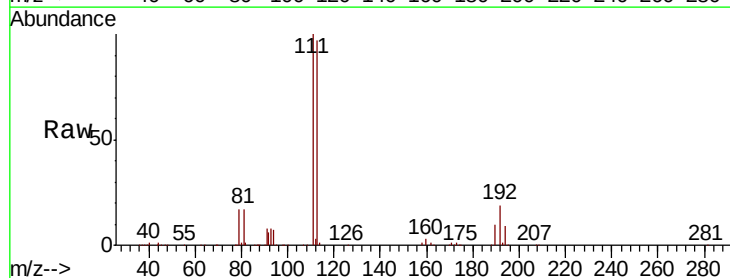


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

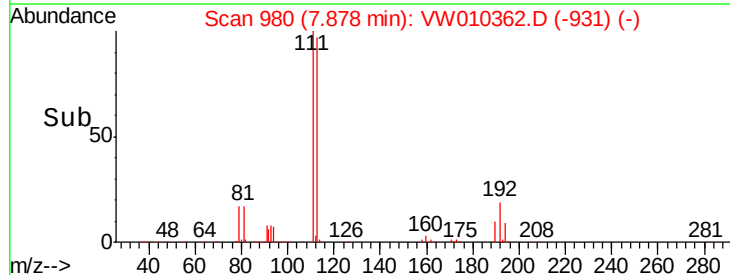
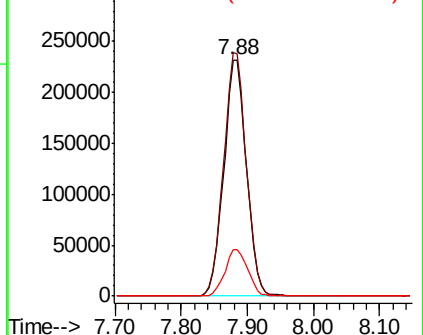


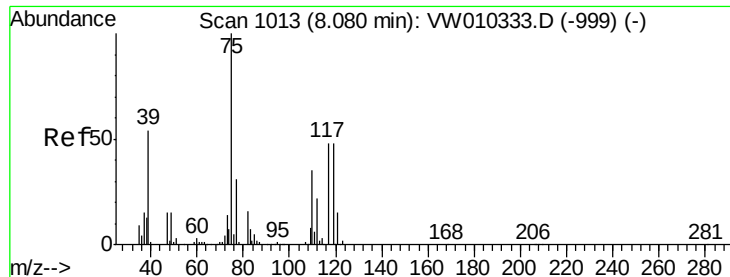
#35
 Dibromofluoromethane
 Concen: 86.284 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010362.D
 Acq: 10 May 2019 18:02

Tgt Ion:113 Resp: 549054
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.6 123.8
 192 20.0 15.4 23.2



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

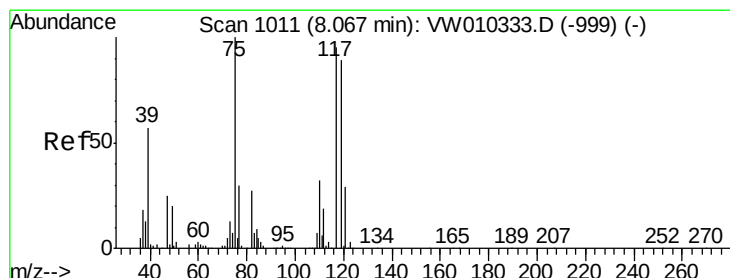
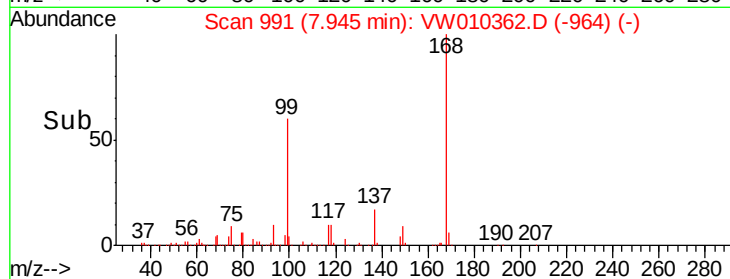
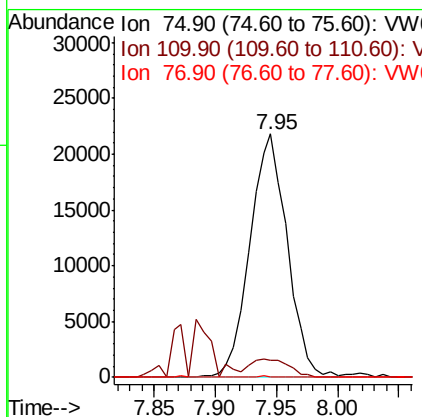
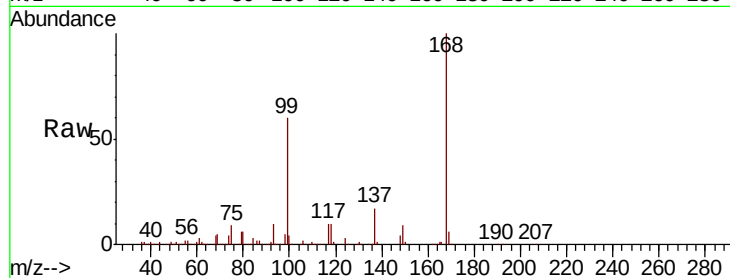




#36
 1,1-Dichloropropene
 Concen: 3.929 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010362.D
 Acq: 10 May 2019 18:02

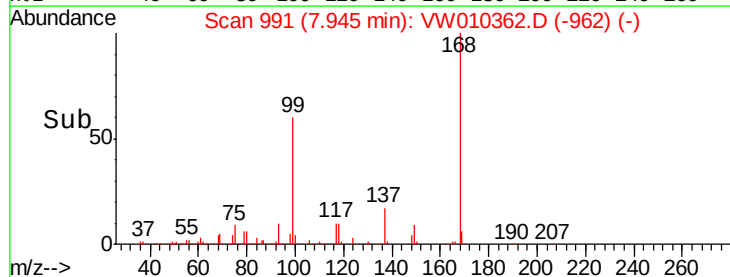
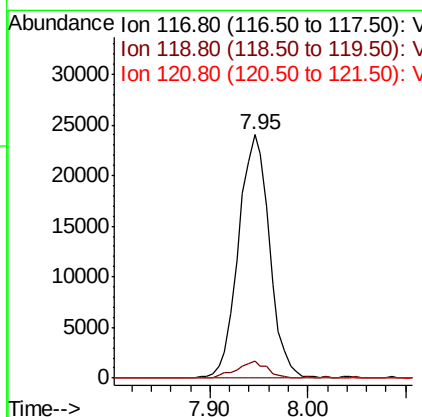
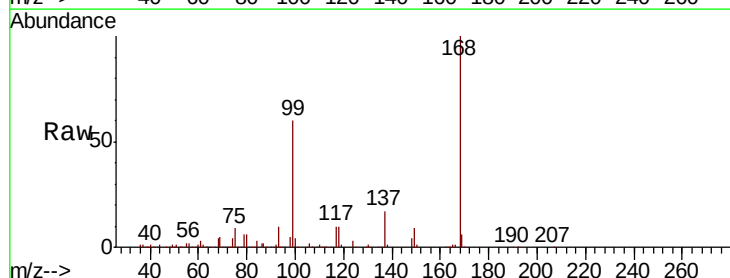
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0206-01

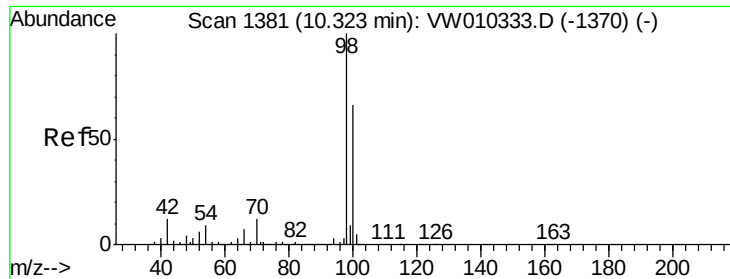
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.6	49.8#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.227 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010362.D
 Acq: 10 May 2019 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	75.3	112.9#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 33.745 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

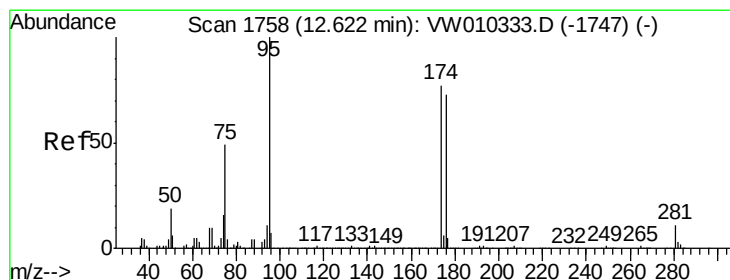
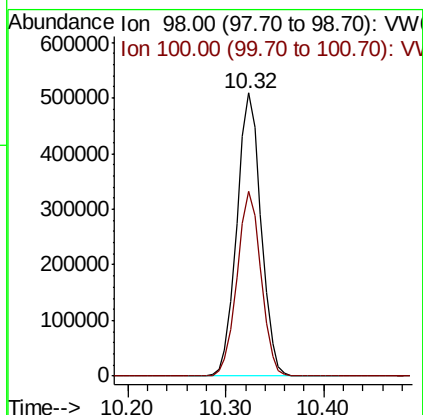
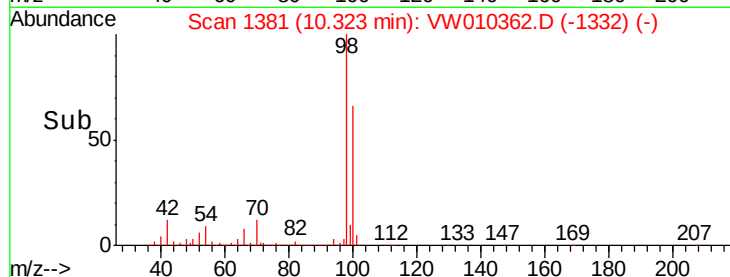
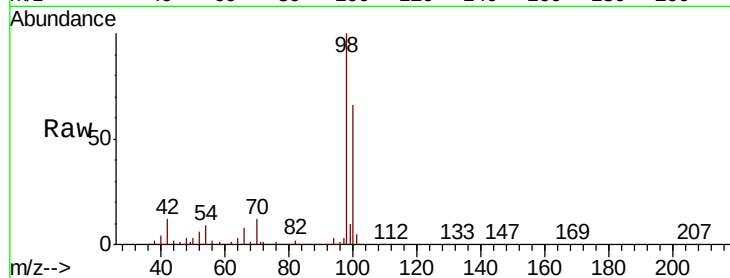
P026-SS004-0206-01

Tgt Ion: 98 Resp: 874372

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 34.898 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

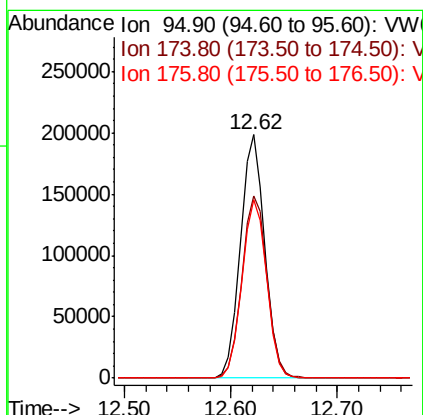
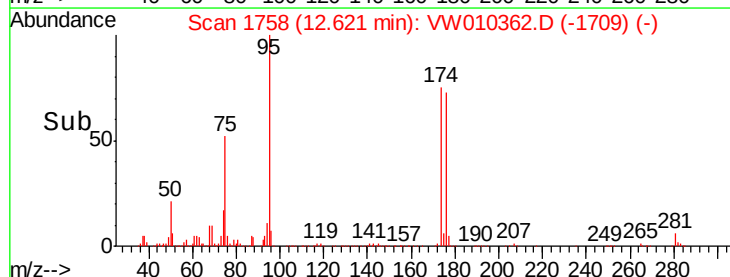
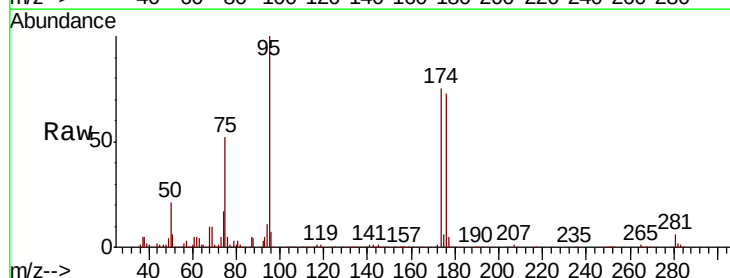
Tgt Ion: 95 Resp: 318309

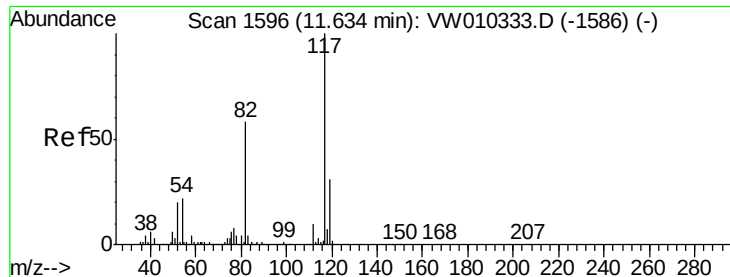
Ion Ratio Lower Upper

95 100

174 77.5 0.0 151.4

176 74.5 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0206-01

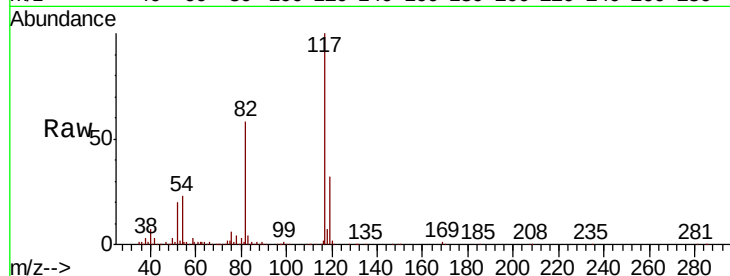
Tgt Ion:117 Resp: 687827

Ion Ratio Lower Upper

117 100

82 57.9 45.2 67.8

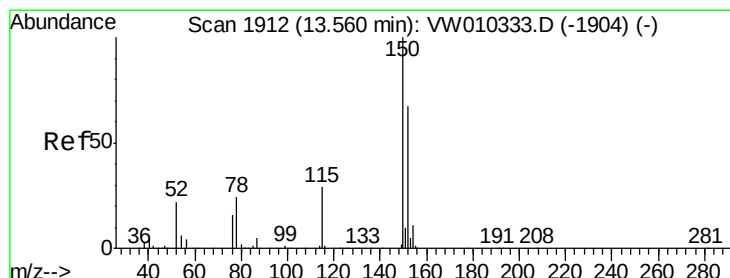
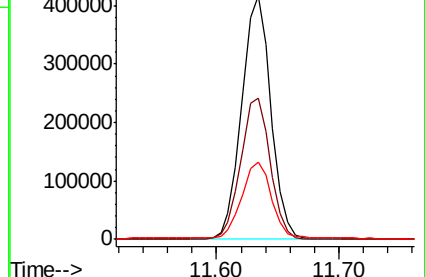
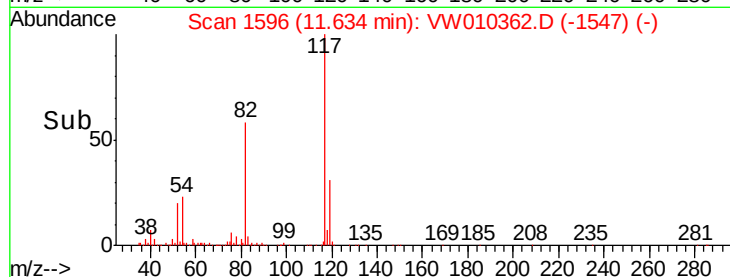
119 31.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW010362.D

Acq: 10 May 2019 18:02

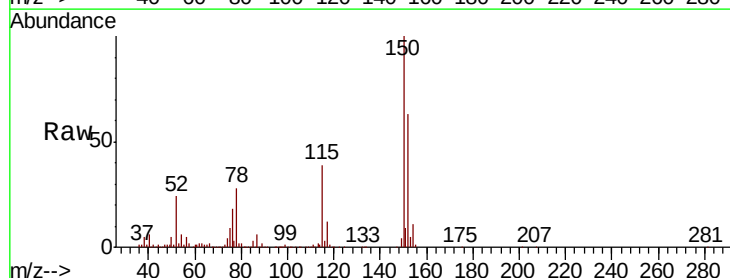
Tgt Ion:152 Resp: 247692

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

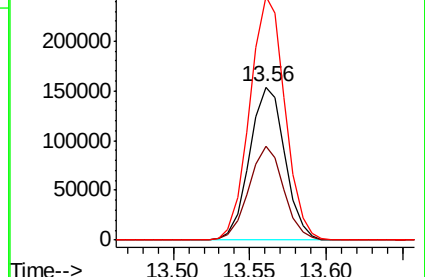
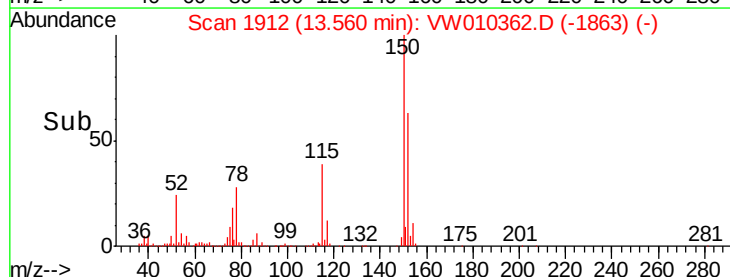
150 158.3 0.0 347.0

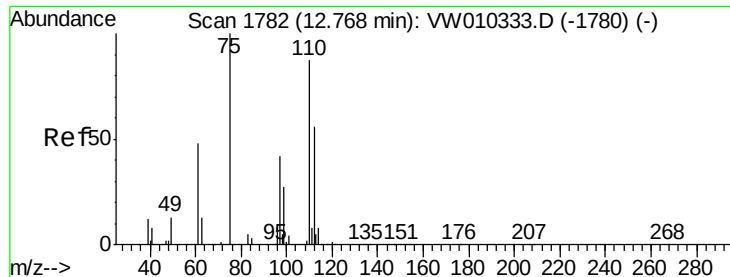


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.079 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

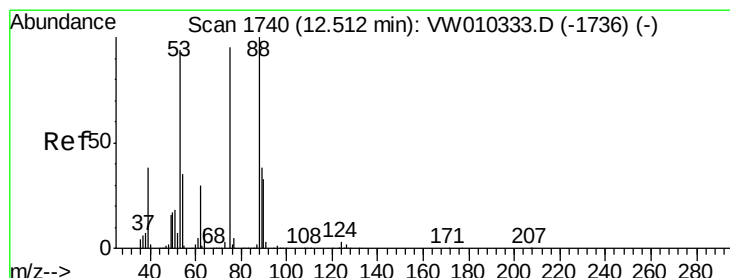
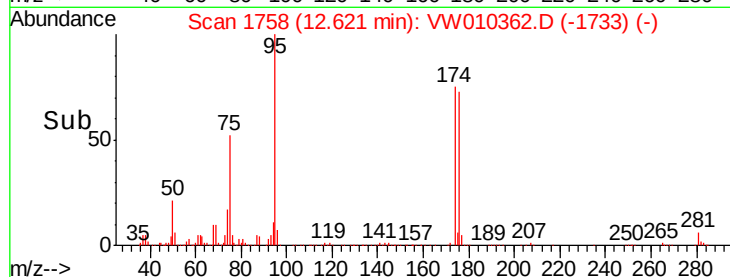
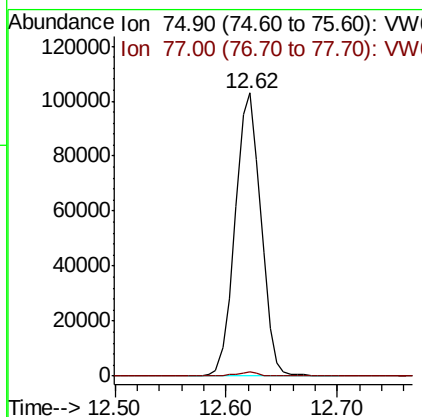
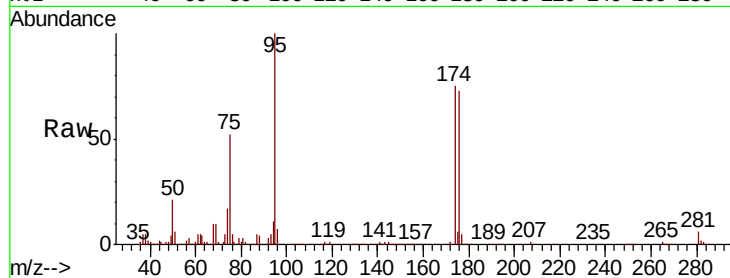
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Tgt Ion: 75 Resp: 164837

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.902 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010362.D

Acq: 10 May 2019 18:02

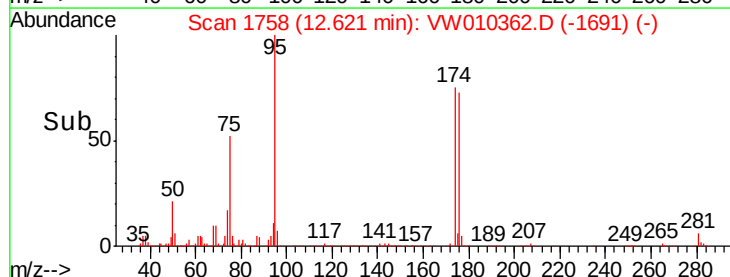
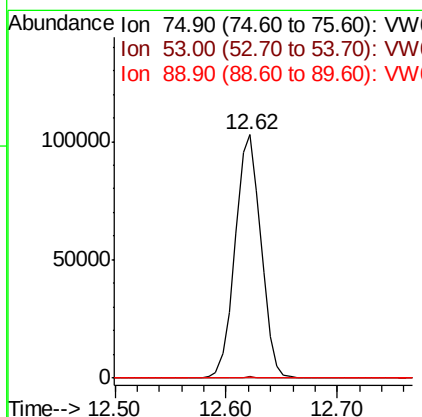
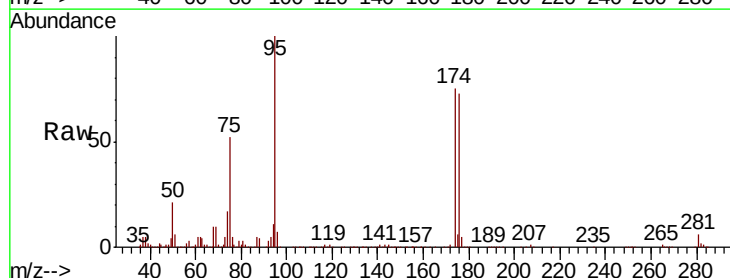
Tgt Ion: 75 Resp: 164837

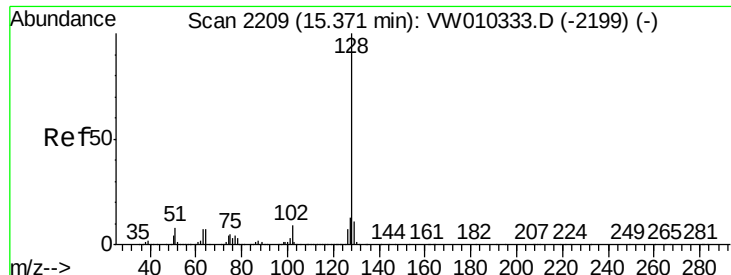
Ion Ratio Lower Upper

75 100

53 0.4 89.8 134.8#

89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 3.944 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010362.D

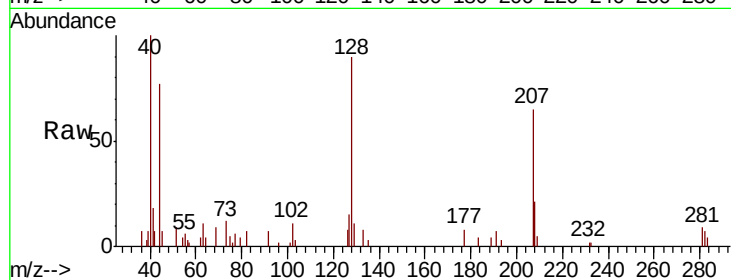
Acq: 10 May 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion:	128	Resp:	4235
Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.6	15.8#
129	11.4	8.7	13.1

