

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010370.D
 Acq On : 10 May 2019 21:50
 Operator : SY/VA
 Sample : K2718-13
 Misc : 5.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0612-01

Quant Time: May 10 23:22:17 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	547726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1048505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	902867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	315739	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	414490	71.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.36%	
35) Dibromofluoromethane	7.88	113	337658	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.32	98	889733	35.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.22%	
62) 4-Bromofluorobenzene	12.62	95	262680	29.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.74%	

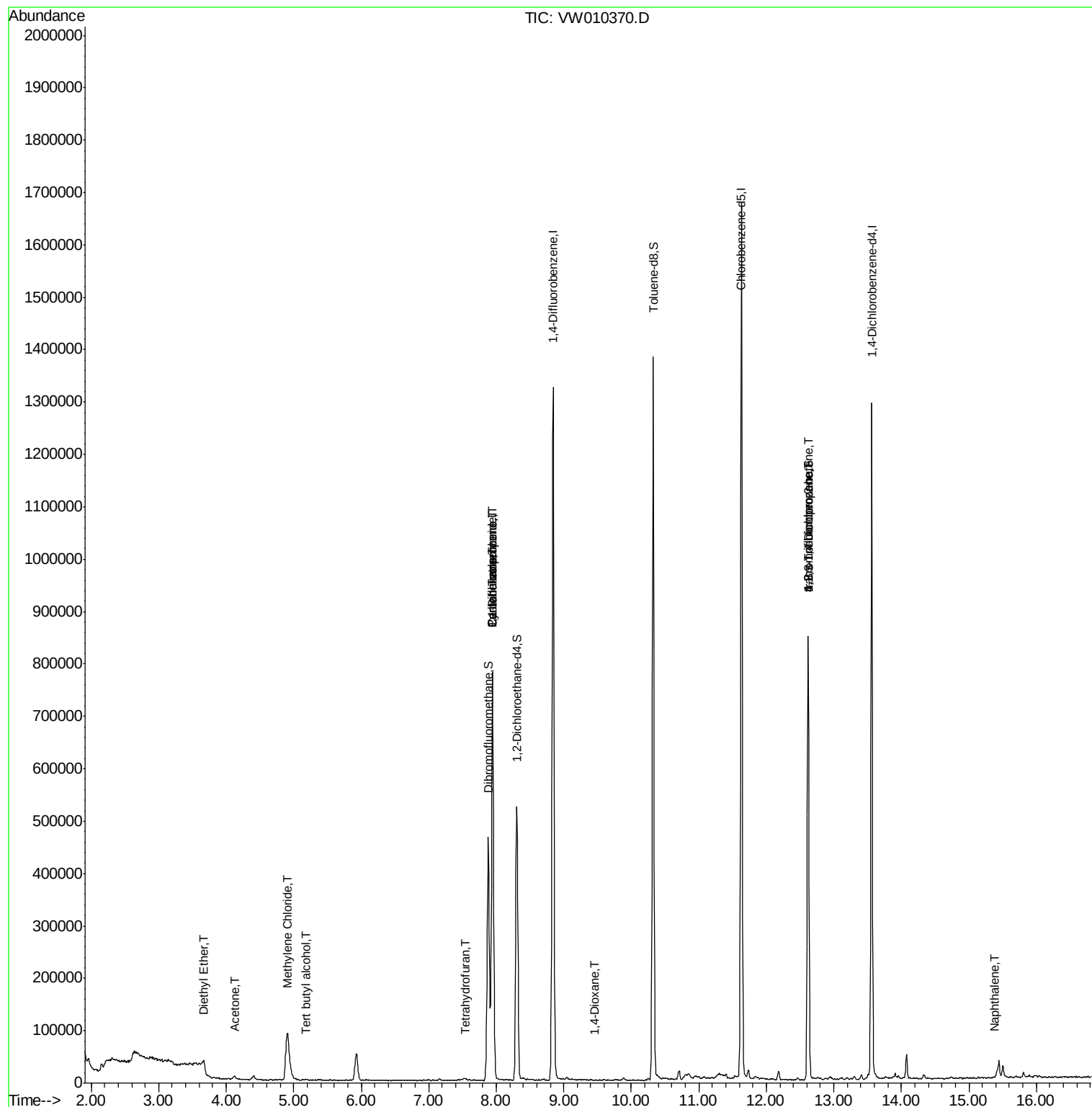
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	10093	3.291	ug/l	90
11) Tert butyl alcohol	5.18	59	1620	3.939	ug/l #	91
16) Acetone	4.12	43	9066	5.972	ug/l #	81
20) Methylene Chloride	4.90	84	83181	13.137	ug/l	91
29) Tetrahydrofuran	7.55	42	3394	2.260	ug/l #	88
31) Cyclohexane	7.94	56	13269	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	47243	4.156	ug/l #	49
38) Carbon Tetrachloride	7.94	117	56329	5.780	ug/l #	17
49) 1,4-Dioxane	9.44	88	139	1.994	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	134810	36.621	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	134810	82.701	ug/l #	6
95) Naphthalene	15.38	128	1590	3.697	ug/l #	91

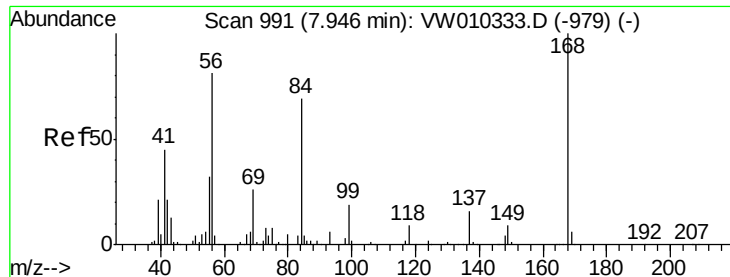
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010370.D

Acq: 10 May 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

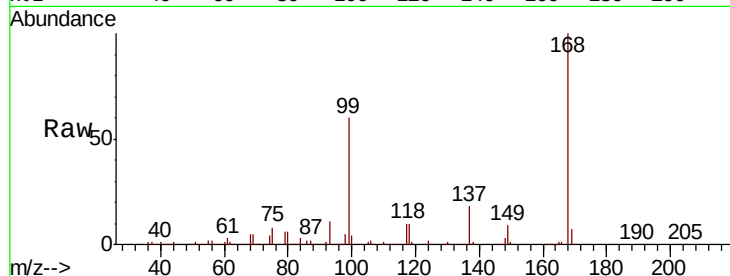
P026-SS006-0612-01

Tgt Ion:168 Resp: 547726

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

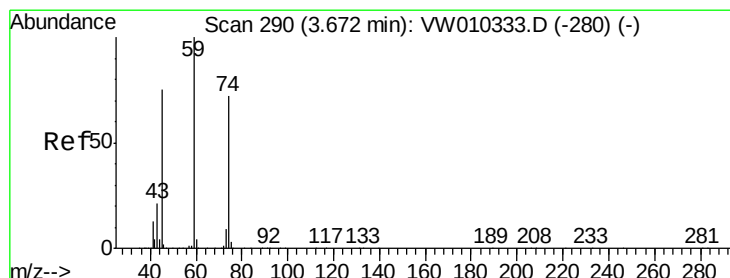
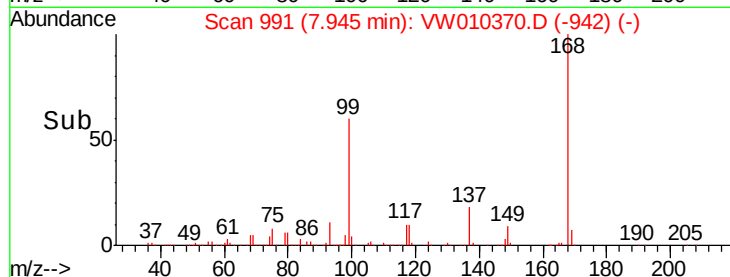
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.291 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010370.D

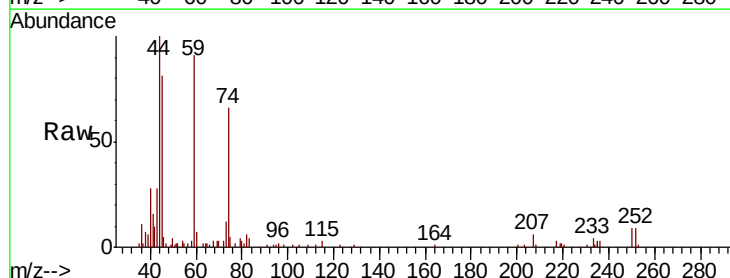
Acq: 10 May 2019 21:50

Tgt Ion: 74 Resp: 10093

Ion Ratio Lower Upper

74 100

45 122.9 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

6000

5000

4000

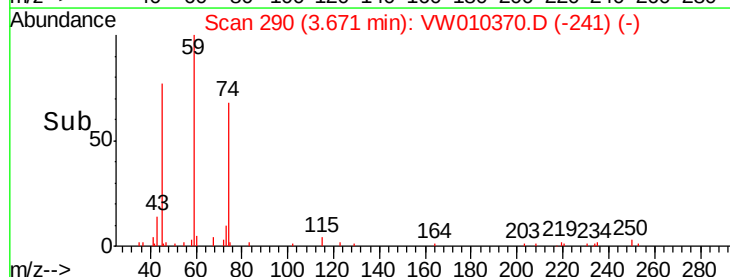
3000

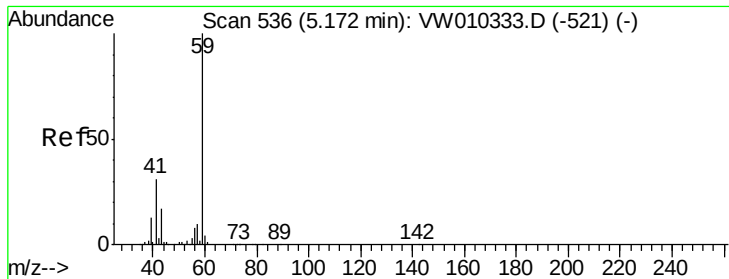
2000

1000

0

Time-->

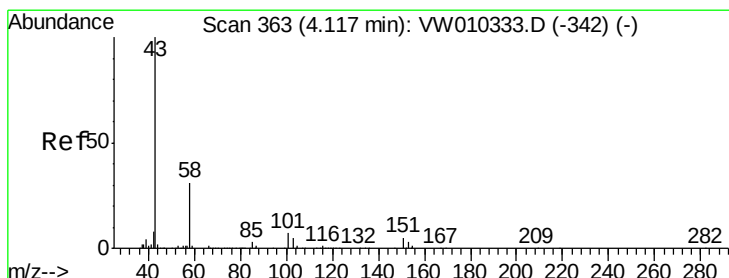
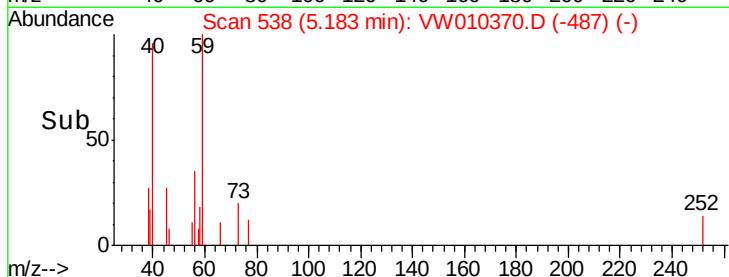
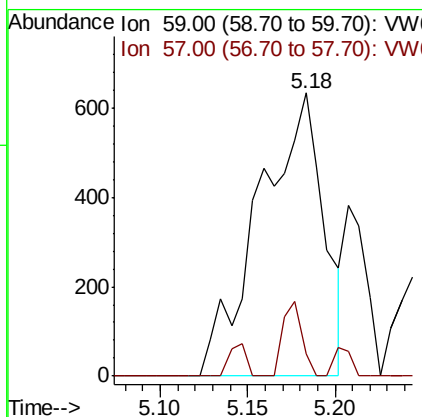
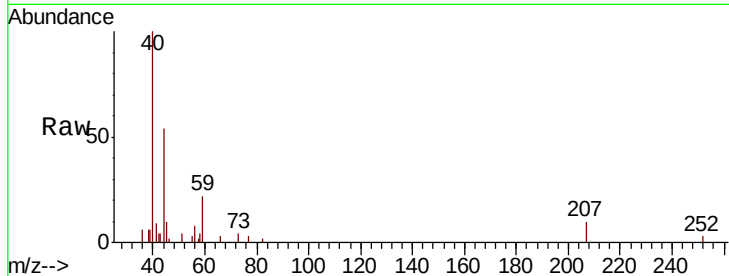




#11
Tert butyl alcohol
Concen: 3.939 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010370.D
Acq: 10 May 2019 21:50

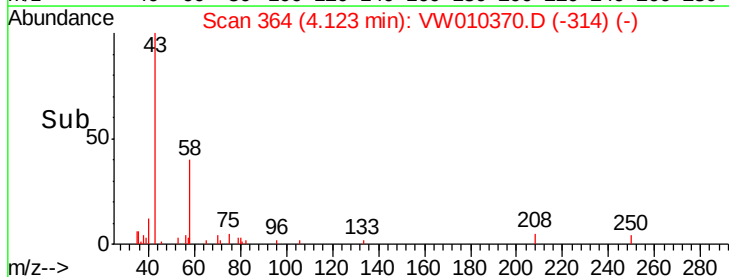
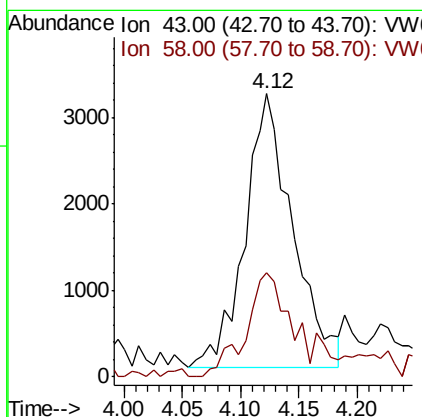
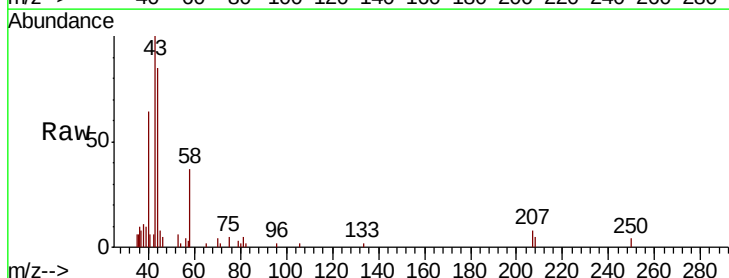
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0612-01

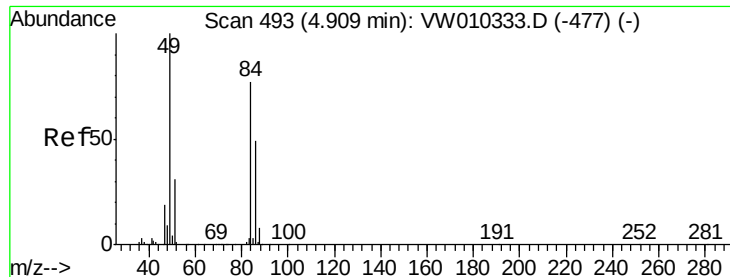
Tgt Ion: 59 Resp: 1620
Ion Ratio Lower Upper
59 100
57 7.9 9.0 13.4#



#16
Acetone
Concen: 5.972 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010370.D
Acq: 10 May 2019 21:50

Tgt Ion: 43 Resp: 9066
Ion Ratio Lower Upper
43 100
58 38.2 22.7 34.1#

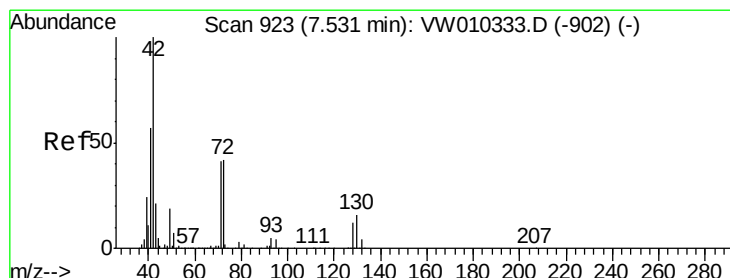
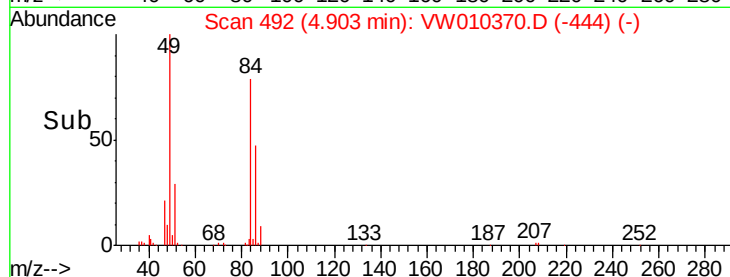
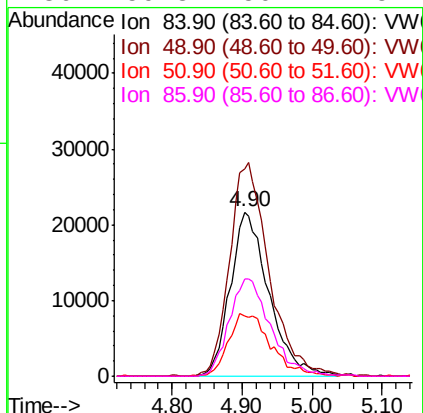
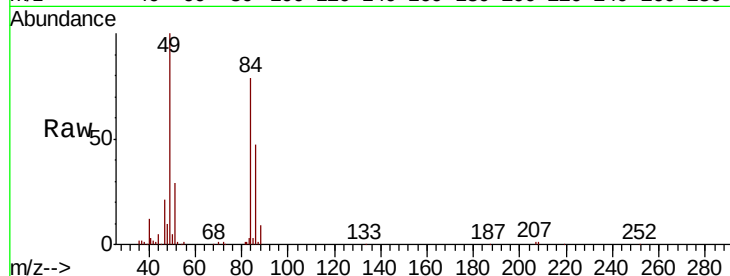




#20
Methylene Chloride
Concen: 13.137 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010370.D
Acq: 10 May 2019 21:50

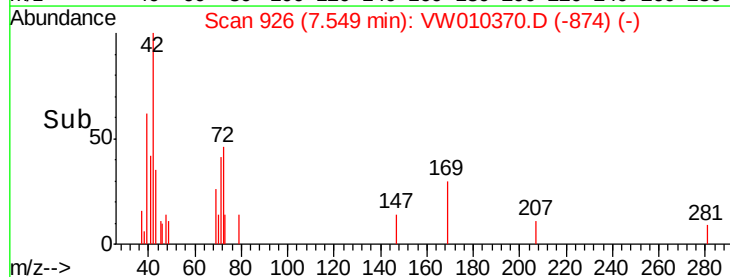
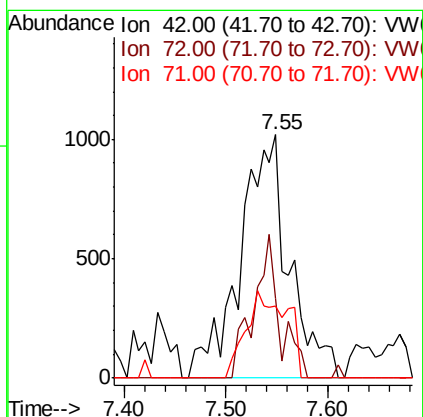
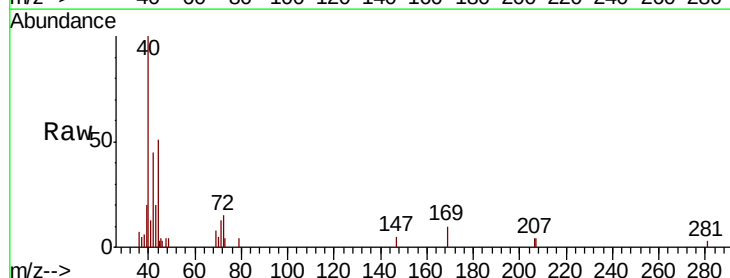
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0612-01

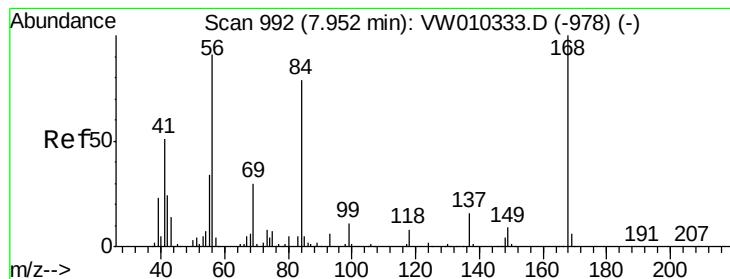
Tgt Ion:	84	Resp:	83181
Ion	Ratio	Lower	Upper
84	100		
49	126.4	112.3	168.5
51	36.3	33.9	50.9
86	59.3	50.2	75.4



#29
Tetrahydrofuran
Concen: 2.260 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW010370.D
Acq: 10 May 2019 21:50

Tgt Ion:	42	Resp:	3394
Ion	Ratio	Lower	Upper
42	100		
72	31.8	31.0	46.6
71	29.6	29.7	44.5#





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010370.D

Acq: 10 May 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0612-01

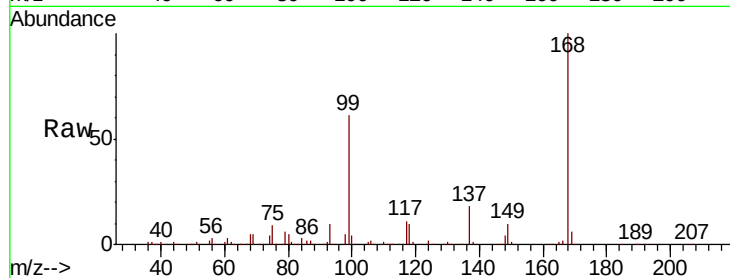
Tgt Ion: 56 Resp: 13269

Ion Ratio Lower Upper

56 100

69 184.7 26.6 40.0#

84 126.1 66.2 99.2#

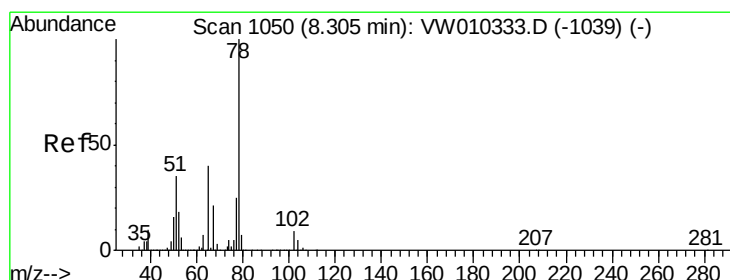
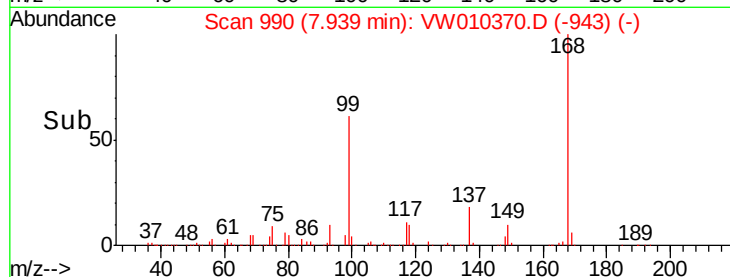
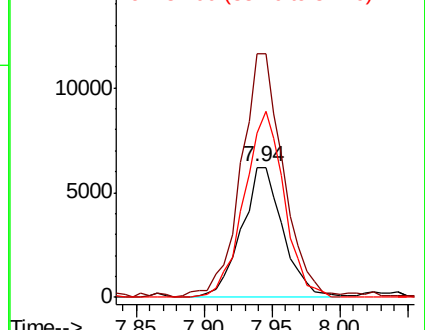


Abundance

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: 71.181 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010370.D

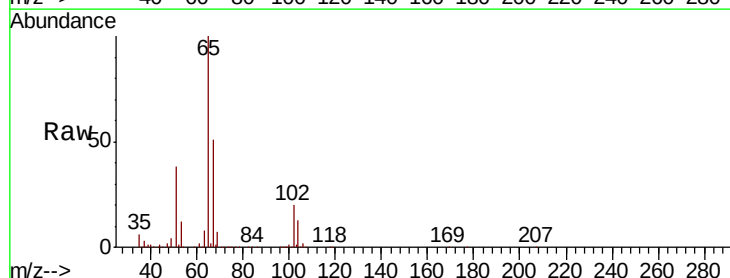
Acq: 10 May 2019 21:50

Tgt Ion: 65 Resp: 414490

Ion Ratio Lower Upper

65 100

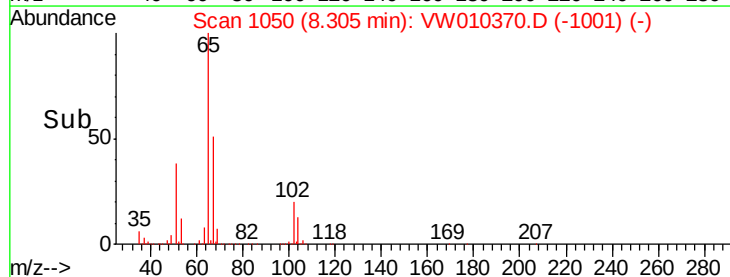
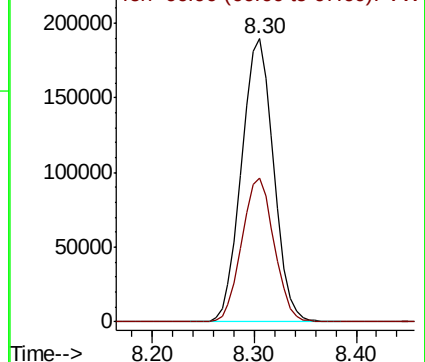
67 51.0 0.0 100.8

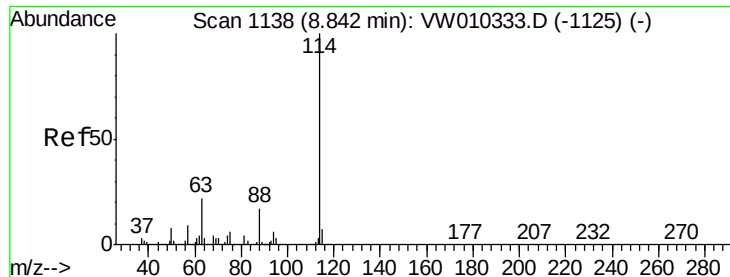


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

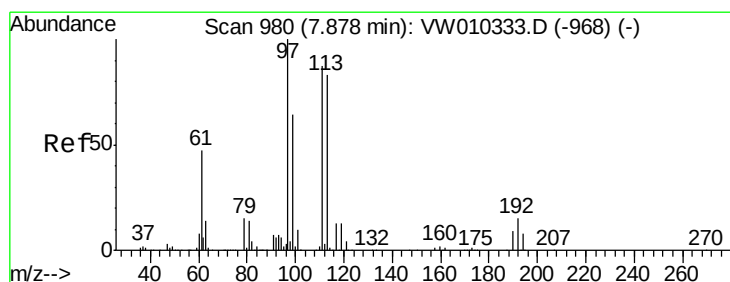
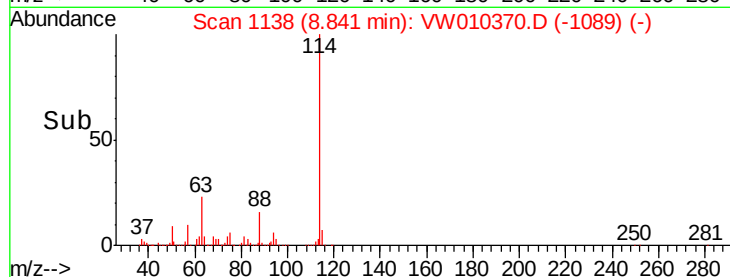
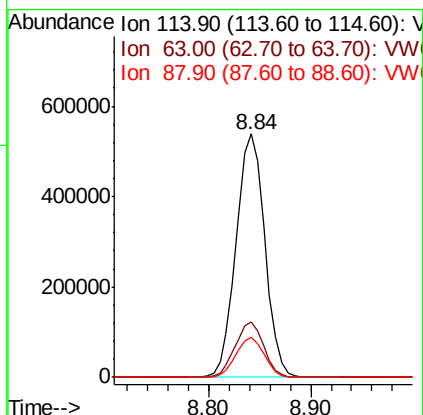
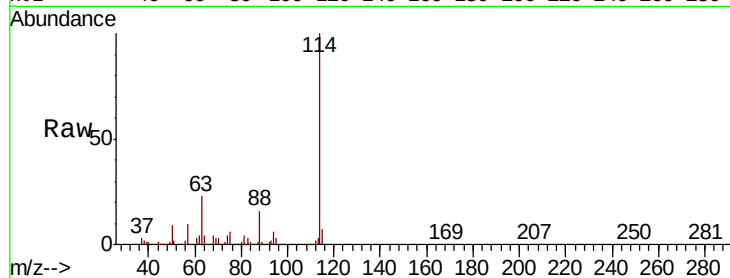




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010370.D
 Acq: 10 May 2019 21:50

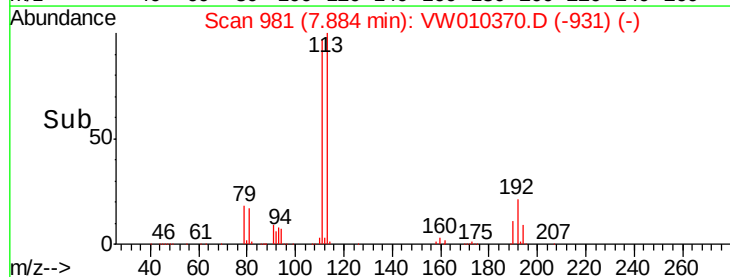
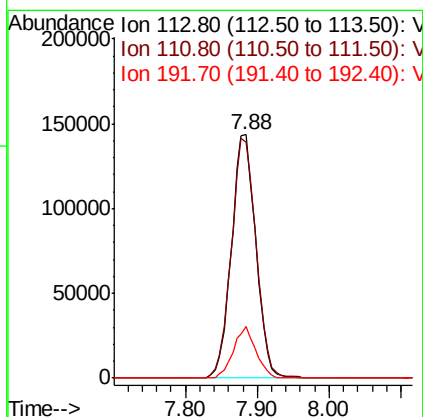
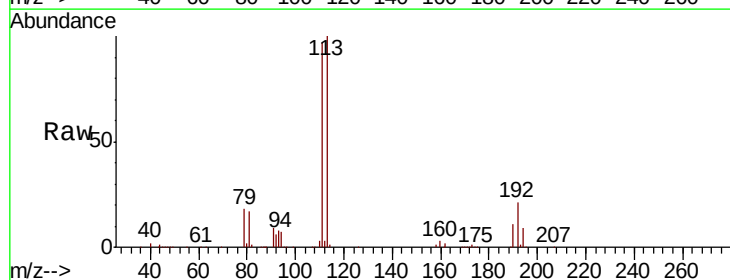
Instrument :
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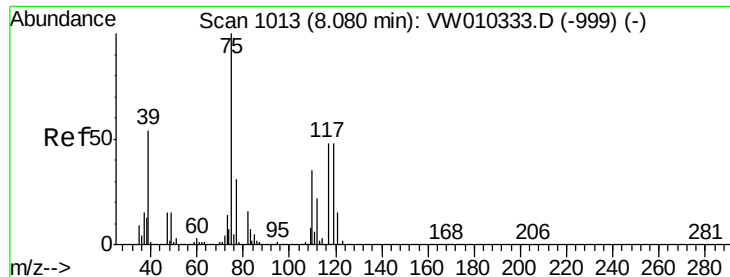
Tgt Ion:114 Resp: 1048505
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.3 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 55.031 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010370.D
 Acq: 10 May 2019 21:50

Tgt Ion:113 Resp: 337658
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.6 123.8
 192 19.4 15.4 23.2

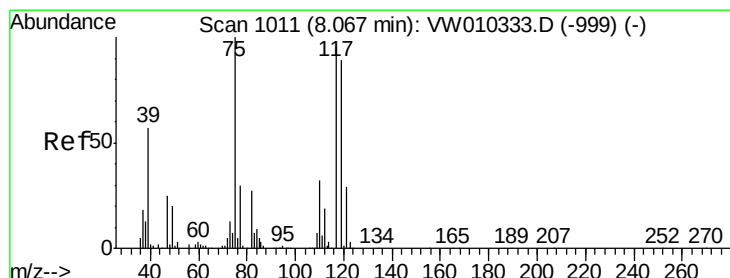
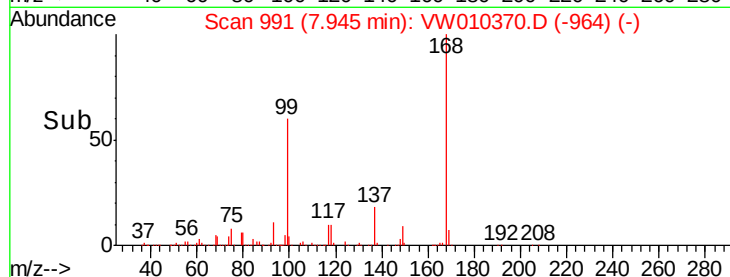
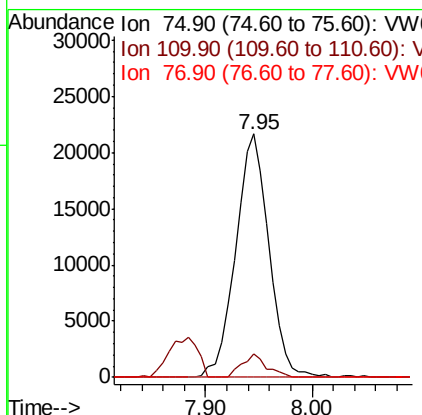
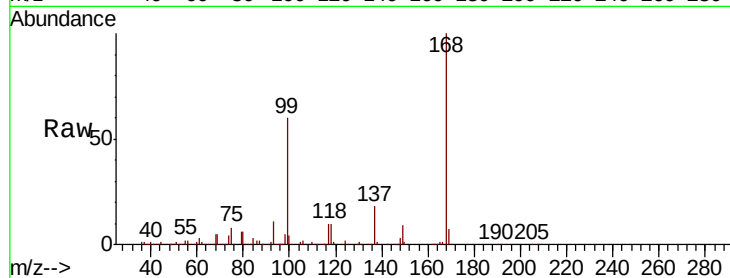




#36
 1,1-Dichloropropene
 Concen: 4.156 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010370.D
 Acq: 10 May 2019 21:50

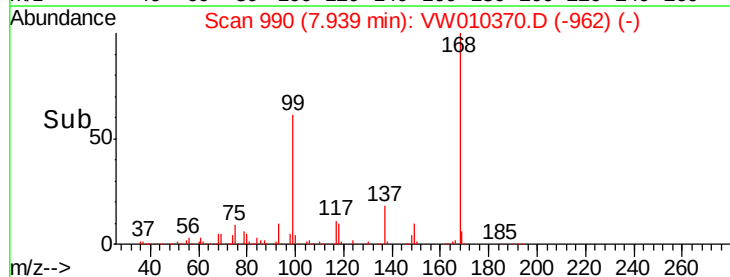
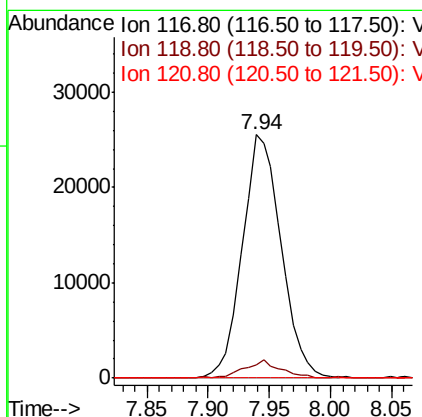
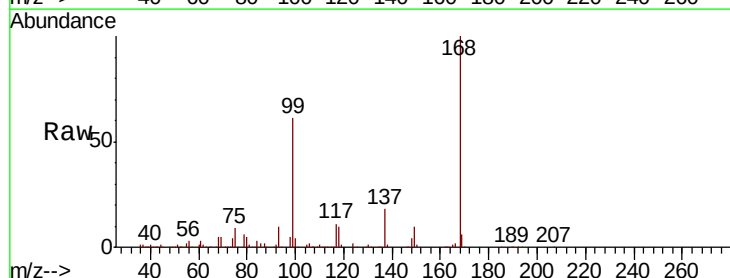
Instrument :
 MSVOA_W
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 P026-SS006-0612-01

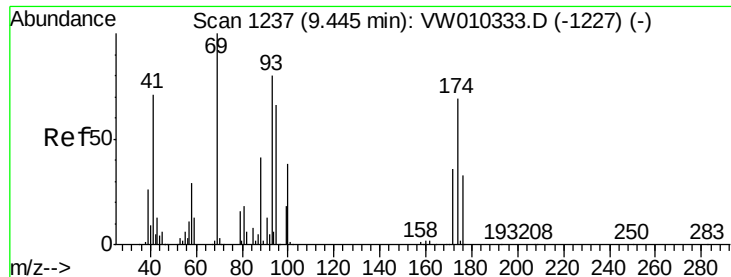
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.6	49.8#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.780 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW010370.D
 Acq: 10 May 2019 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.3	112.9#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 1.994 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010370.D

Acq: 10 May 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0612-01

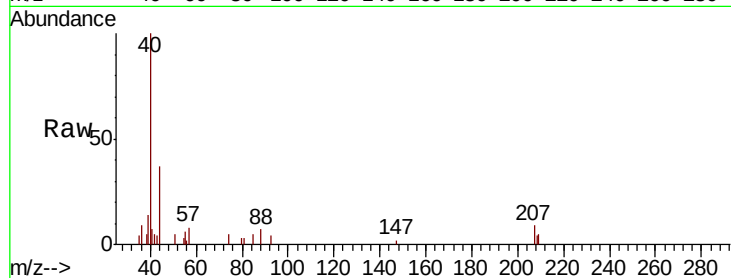
Tgt Ion: 88 Resp: 139

Ion Ratio Lower Upper

88 100

43 0.0 31.9 47.9#

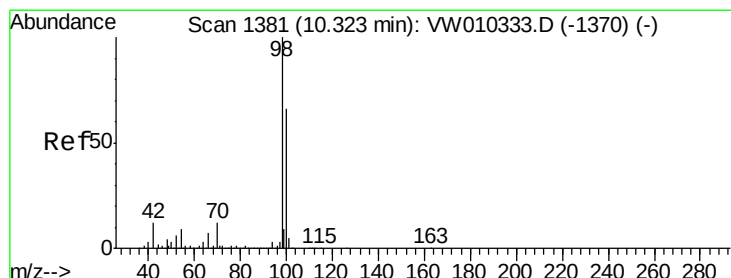
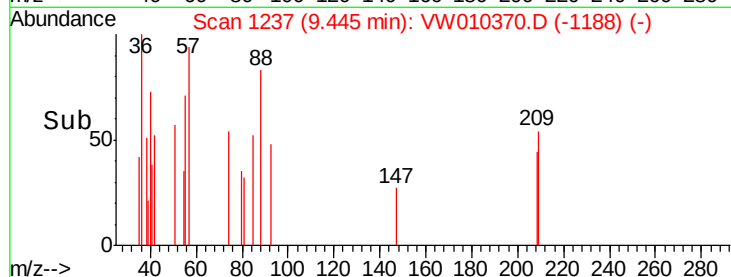
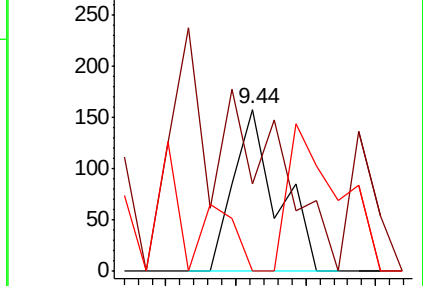
58 105.0 61.8 92.6#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 35.611 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010370.D

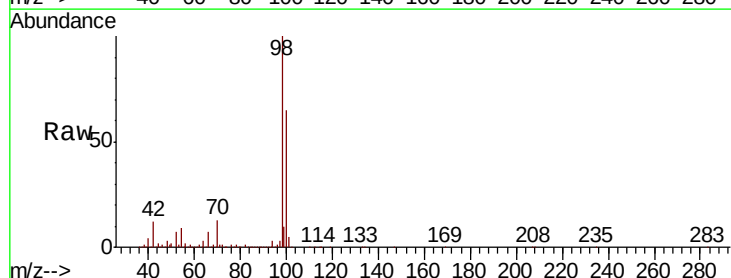
Acq: 10 May 2019 21:50

Tgt Ion: 98 Resp: 889733

Ion Ratio Lower Upper

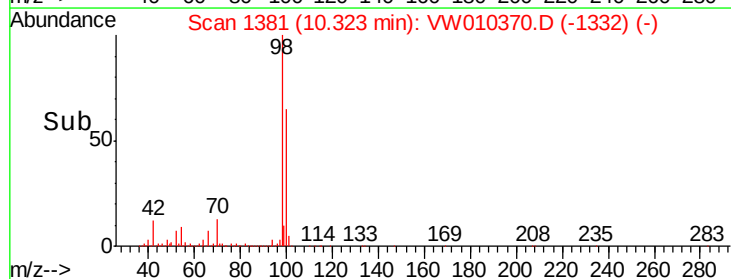
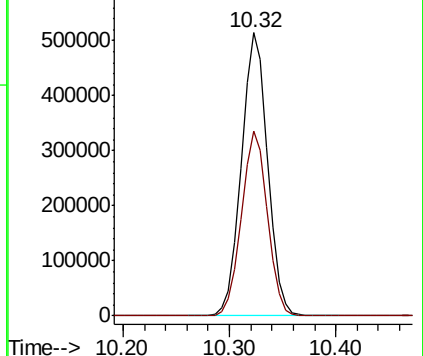
98 100

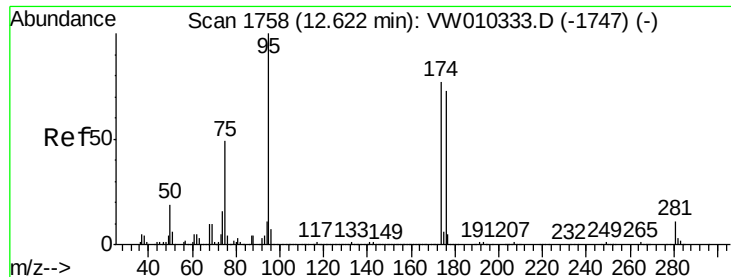
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

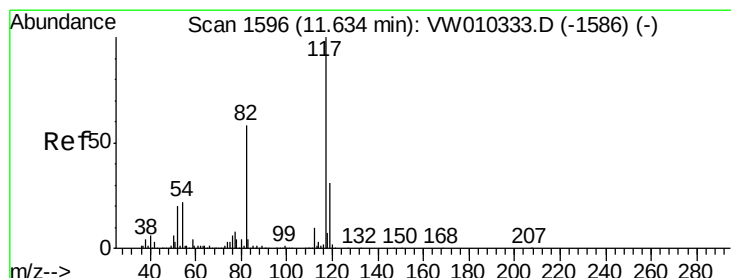
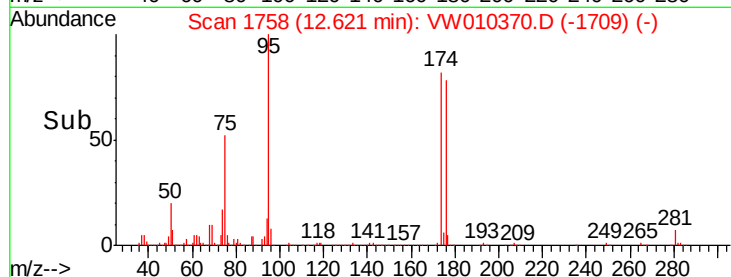
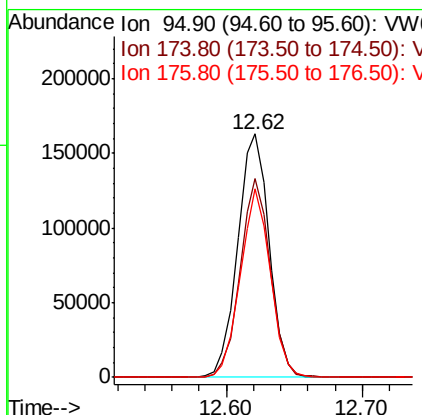
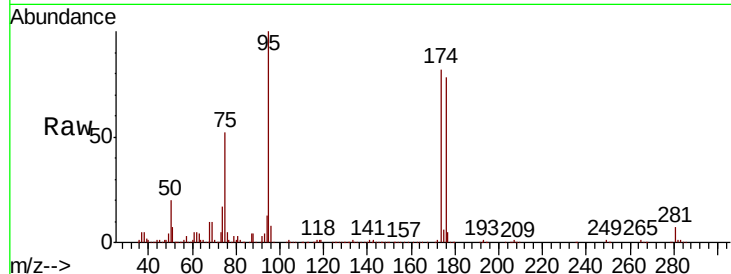




#62
4-Bromofluorobenzene
Concen: 29.868 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010370.D
Acq: 10 May 2019 21:50

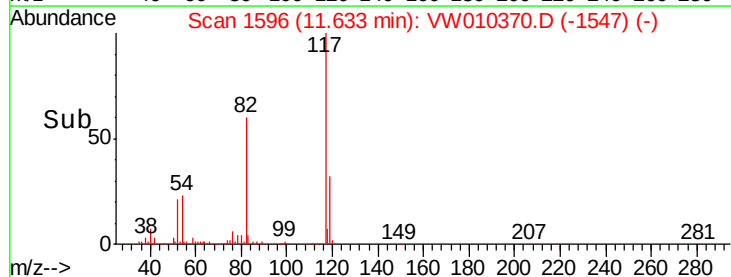
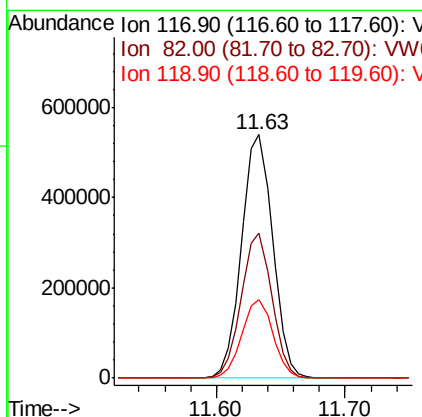
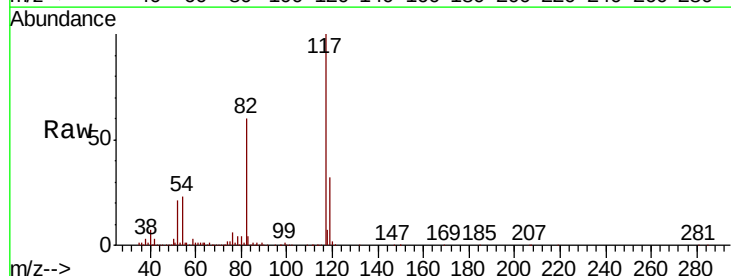
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0612-01

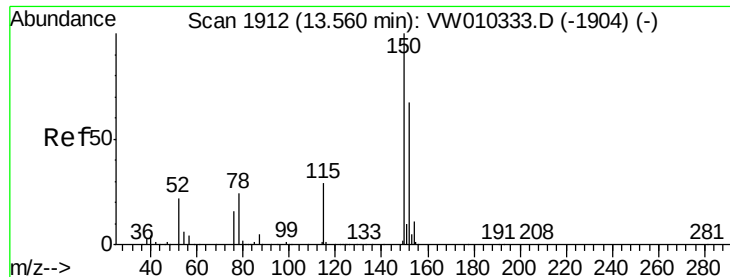
Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	151.4
176	74.0	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010370.D
Acq: 10 May 2019 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	45.2	67.8
119	32.1	25.4	38.2

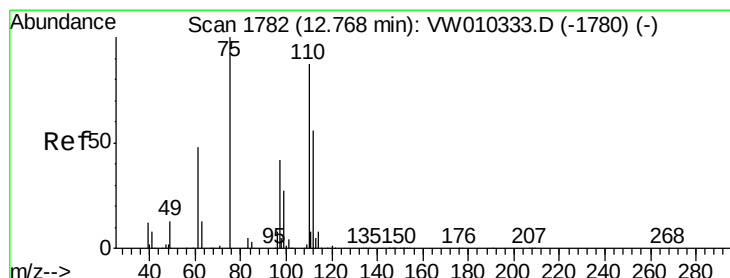
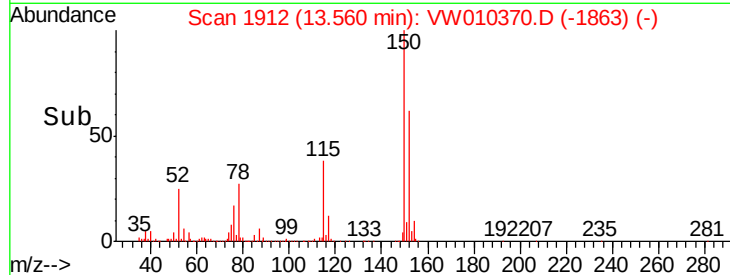
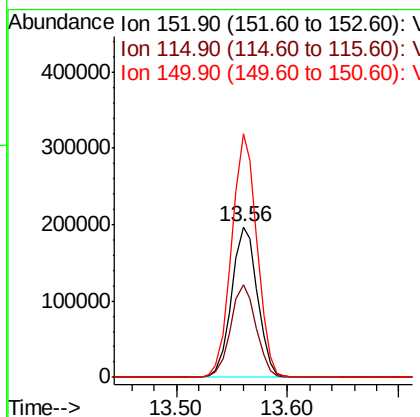
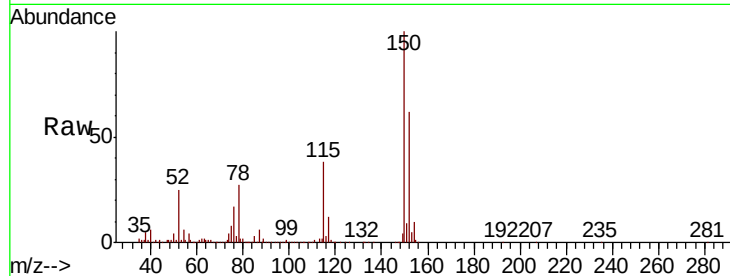




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW010370.D
 Acq: 10 May 2019 21:50

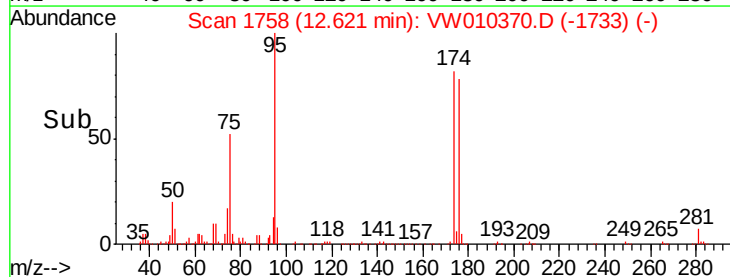
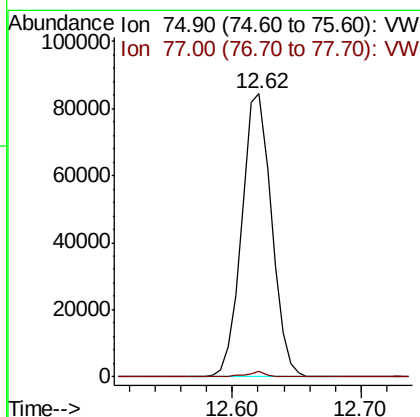
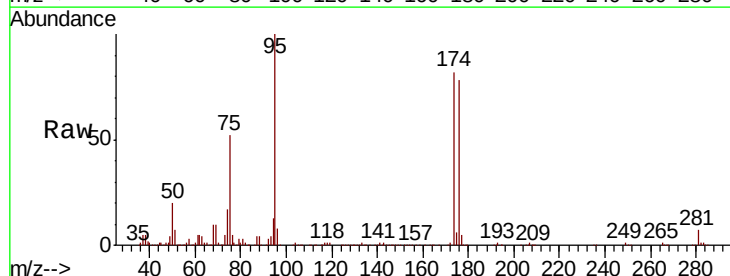
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0612-01

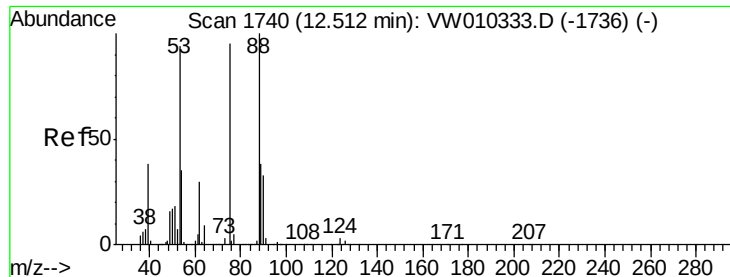
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.4	91.2
150	158.4	0.0	347.0



#76
 1,2,3-Trichloropropane
 Concen: 36.621 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010370.D
 Acq: 10 May 2019 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 82.701 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010370.D

Acq: 10 May 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0612-01

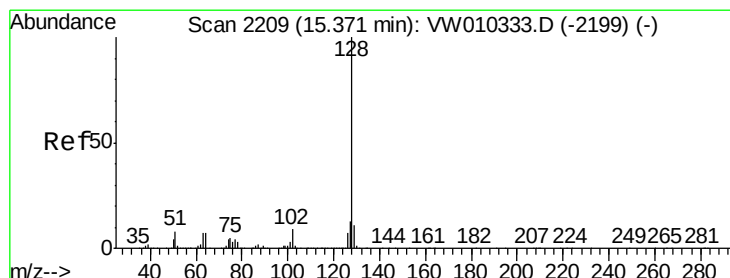
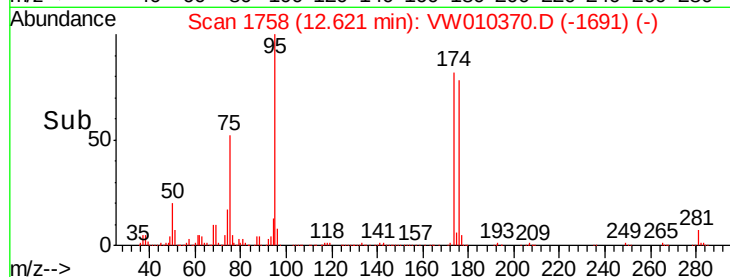
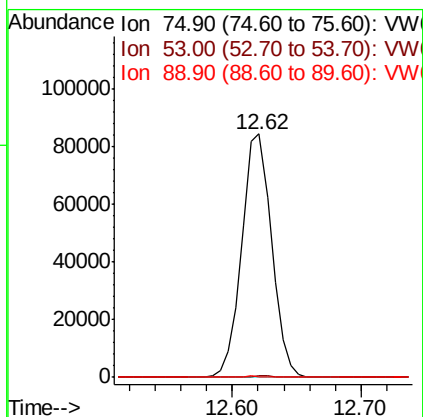
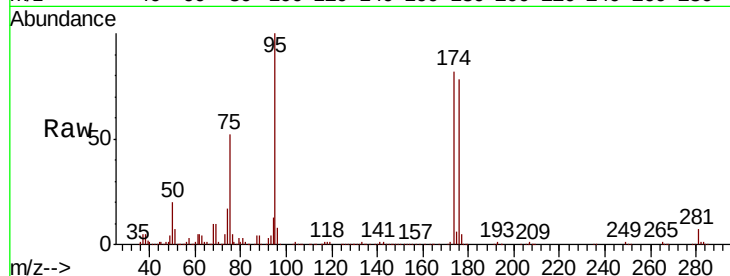
Tgt Ion: 75 Resp: 134810

Ion Ratio Lower Upper

75 100

53 0.5 89.8 134.8#

89 0.3 36.6 54.8#



#95

Naphthalene

Concen: 3.697 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010370.D

Acq: 10 May 2019 21:50

Tgt Ion: 128 Resp: 1590

Ion Ratio Lower Upper

128 100

127 11.1 10.6 15.8

129 5.5 8.7 13.1#

