

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010369.D
 Acq On : 10 May 2019 21:21
 Operator : SY/VA
 Sample : K2718-12
 Misc : 5.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0206-01

Quant Time: May 10 23:22:05 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	805664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1564587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1230798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	375195	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	650726	75.97	ug/l	0.00
Spiked Amount			Recovery	=	151.94%	
35) Dibromofluoromethane	7.88	113	526780	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
50) Toluene-d8	10.32	98	1410371	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	
62) 4-Bromofluorobenzene	12.62	95	369565	28.16	ug/l	0.00
Spiked Amount			Recovery	=	56.32%	

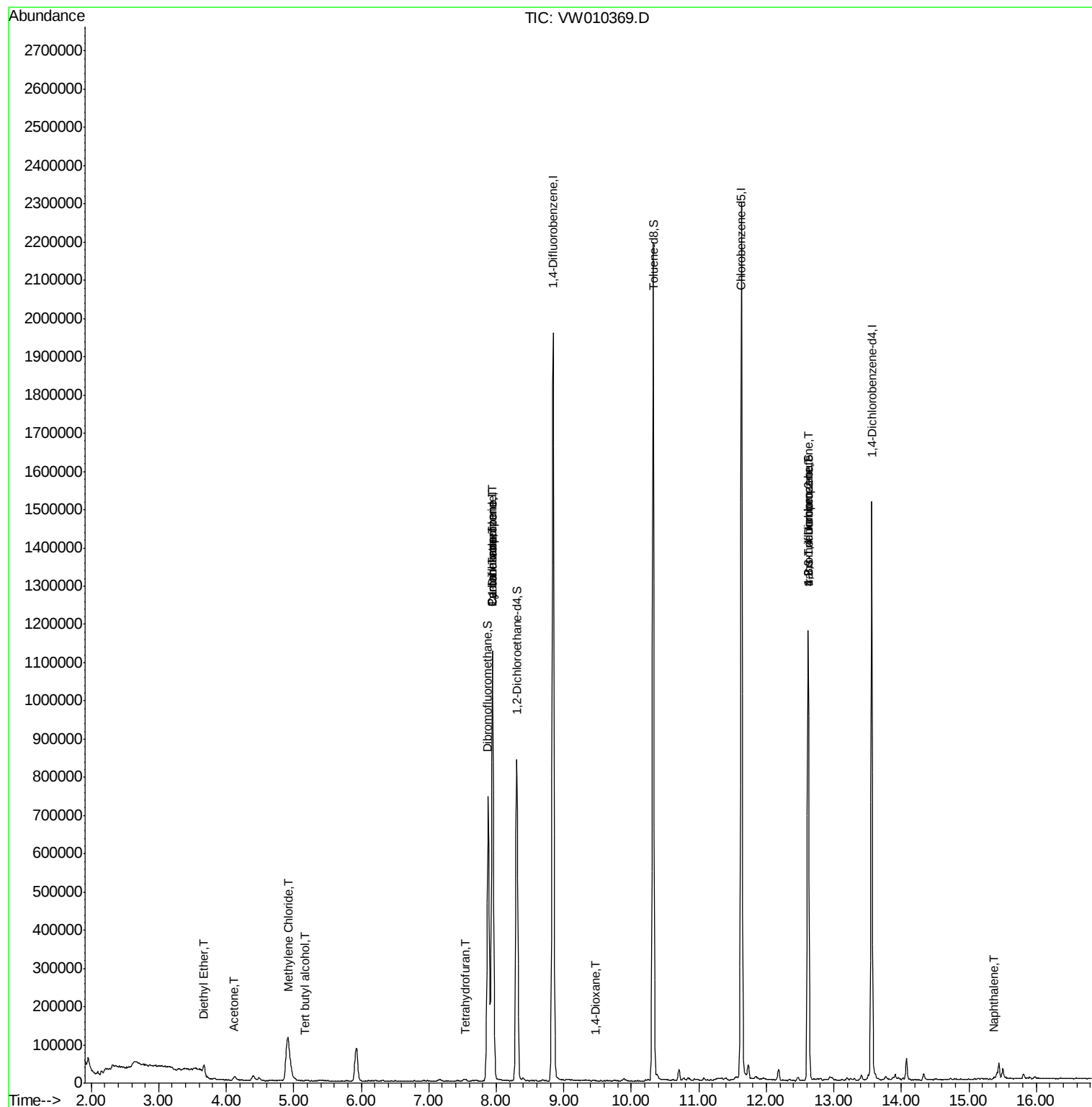
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	18199	4.035	ug/l	94
11) Tert butyl alcohol	5.17	59	2354	3.892	ug/l	99
16) Acetone	4.12	43	20691	9.266	ug/l	99
20) Methylene Chloride	4.92	84	117429	12.609	ug/l	94
29) Tetrahydrofuran	7.53	42	3290	1.489	ug/l #	89
31) Cyclohexane	7.95	56	19785	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	68933	4.063	ug/l #	50
38) Carbon Tetrachloride	7.95	117	83511	5.743	ug/l #	18
49) 1,4-Dioxane	9.46	88	341	3.278	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	191233	43.716	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	191233	98.724	ug/l #	6
95) Naphthalene	15.38	128	2984	3.757	ug/l #	89

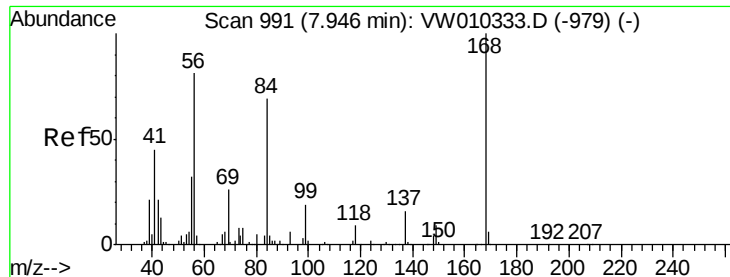
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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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: VW010369.D

Acq: 10 May 2019 21:21

Instrument :

MSVOA_W

ClientSampleId :

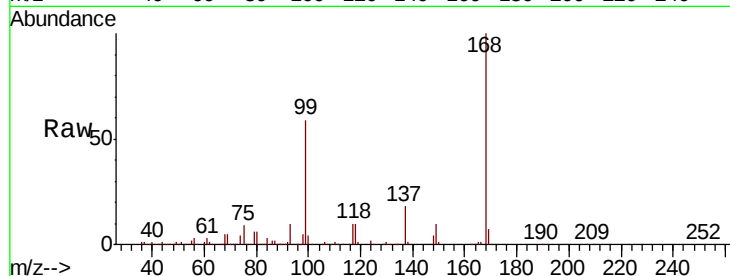
P026-SS006-0206-01

Tgt Ion:168 Resp: 805664

Ion Ratio Lower Upper

168 100

99 59.2 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

400000

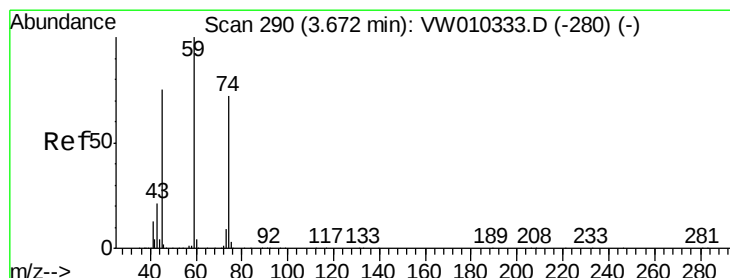
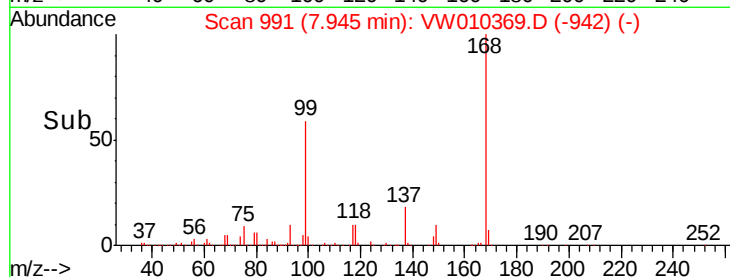
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 4.035 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010369.D

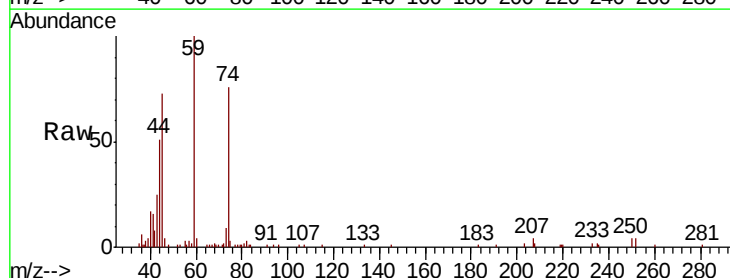
Acq: 10 May 2019 21:21

Tgt Ion: 74 Resp: 18199

Ion Ratio Lower Upper

74 100

45 105.9 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

8000

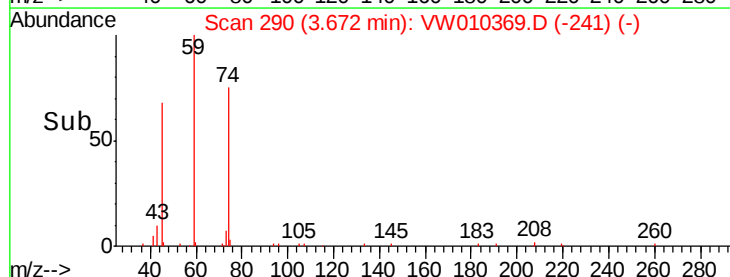
6000

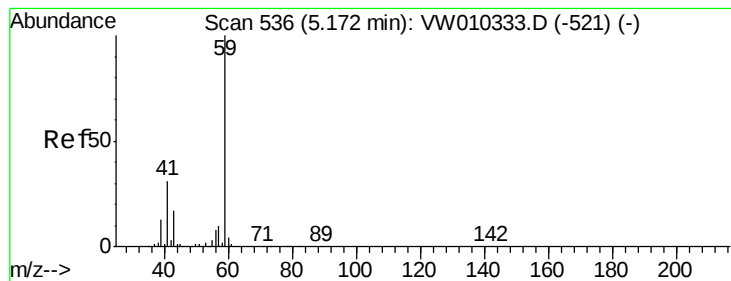
4000

2000

0

Time--> 3.60 3.65 3.70 3.75



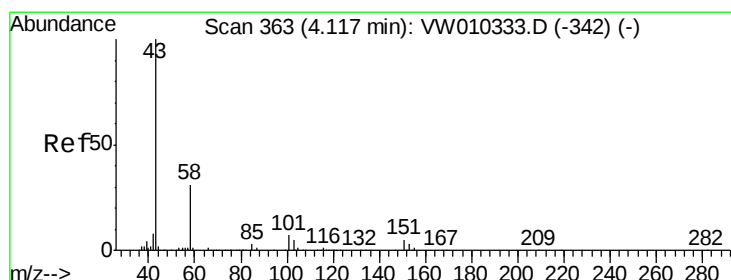
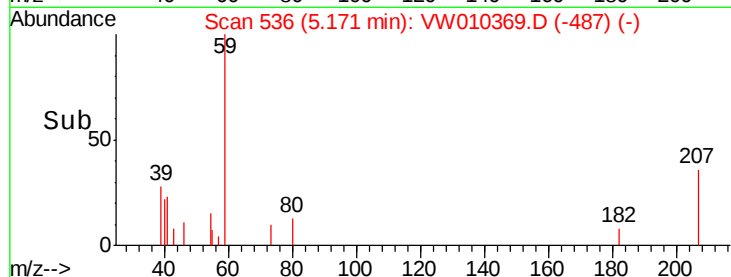
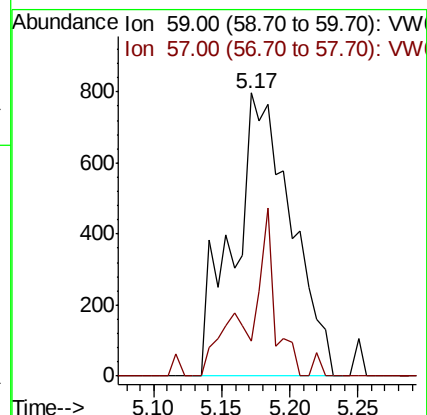
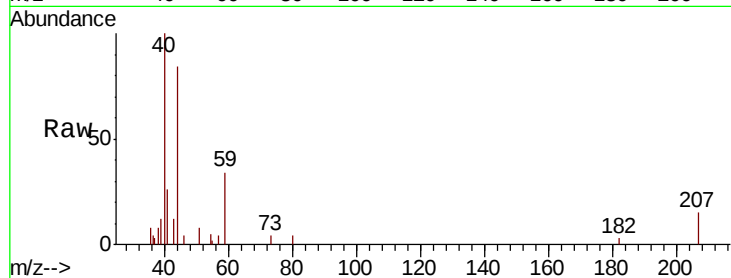


#11

Tert butyl alcohol
 Concen: 3.892 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010369.D
 Acq: 10 May 2019 21:21

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0206-01

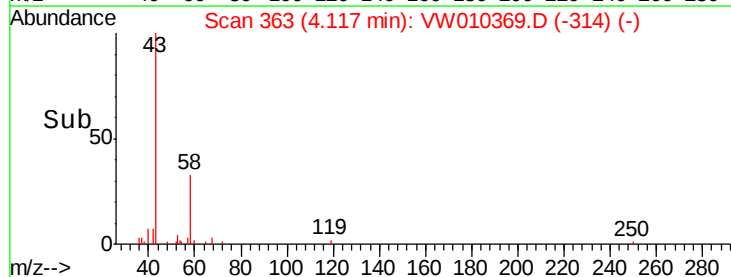
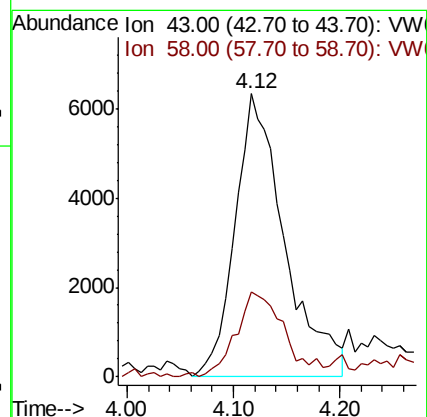
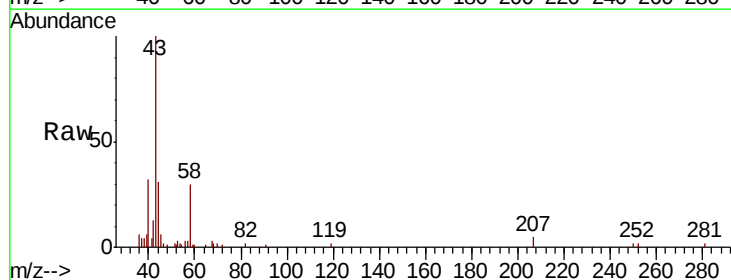
Tgt Ion: 59 Resp: 2354
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.0 13.4

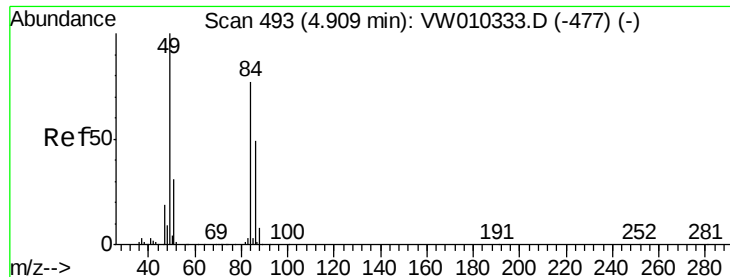


#16

Acetone
 Concen: 9.266 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010369.D
 Acq: 10 May 2019 21:21

Tgt Ion: 43 Resp: 20691
 Ion Ratio Lower Upper
 43 100
 58 28.7 22.7 34.1

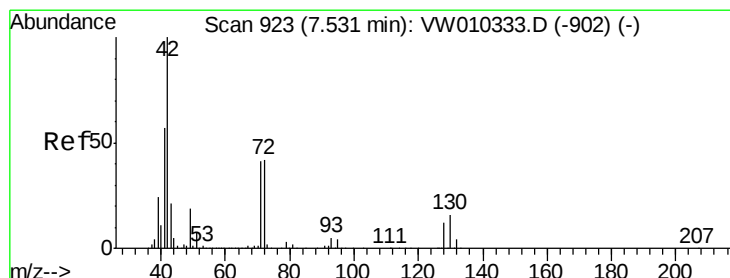
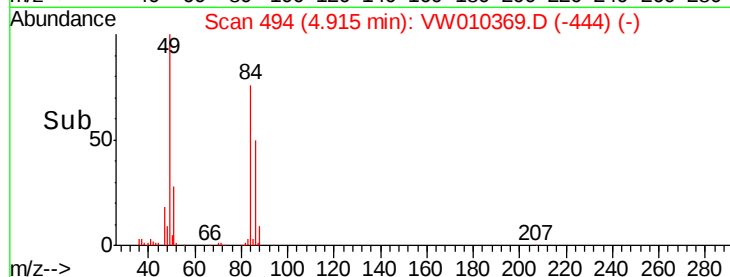
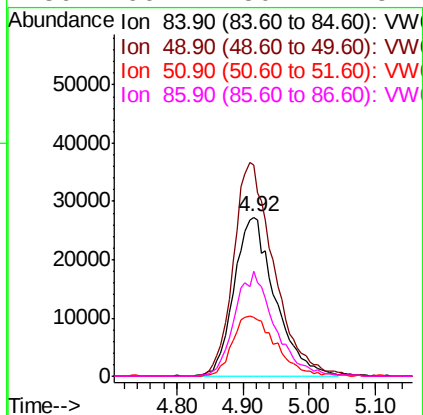
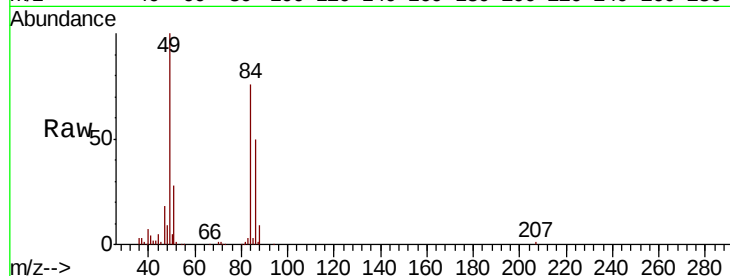




#20
Methylene Chloride
Concen: 12.609 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010369.D
Acq: 10 May 2019 21:21

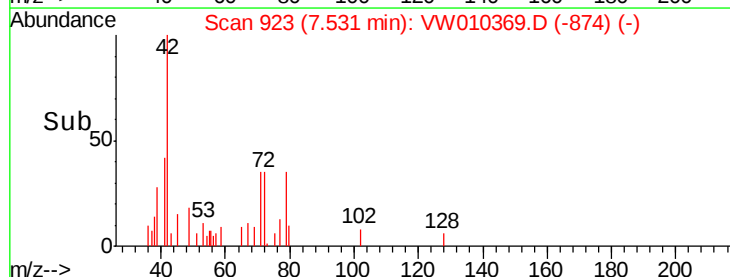
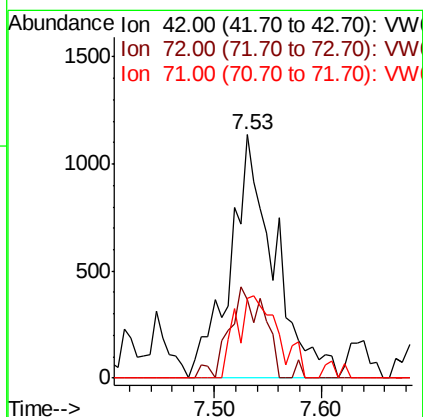
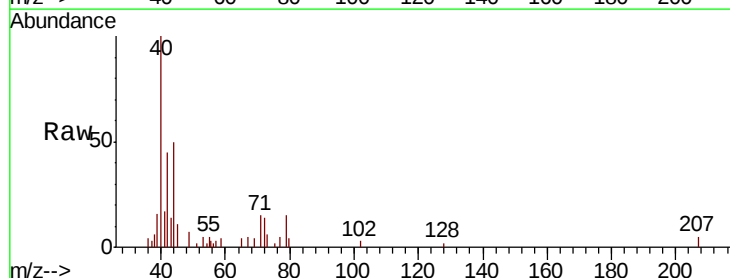
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0206-01

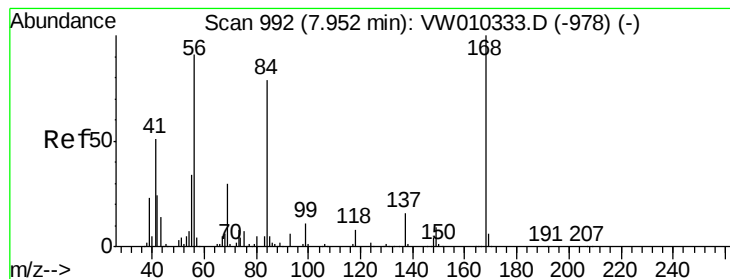
Tgt Ion:	84	Resp:	117429
Ion	Ratio	Lower	Upper
84	100		
49	132.3	112.3	168.5
51	37.3	33.9	50.9
86	66.1	50.2	75.4



#29
Tetrahydrofuran
Concen: 1.489 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010369.D
Acq: 10 May 2019 21:21

Tgt Ion:	42	Resp:	3290
Ion	Ratio	Lower	Upper
42	100		
72	29.5	31.0	46.6#
71	32.6	29.7	44.5





#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010369.D

Acq: 10 May 2019 21:21

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0206-01

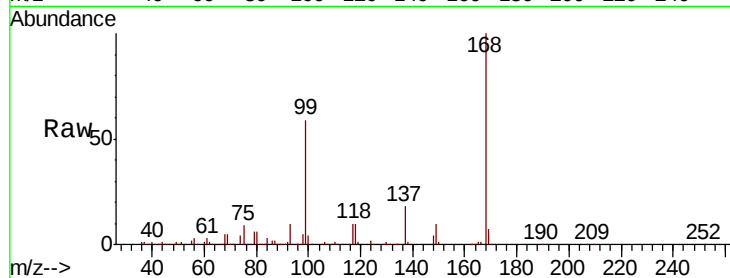
Tgt Ion: 56 Resp: 19785

Ion Ratio Lower Upper

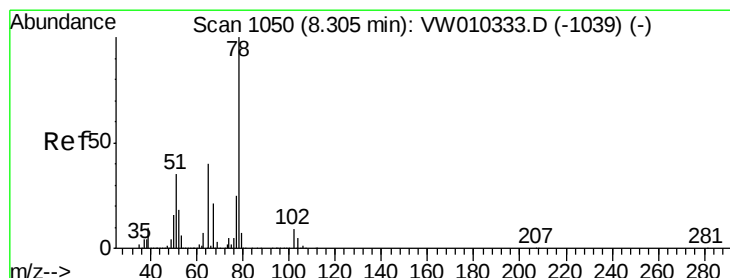
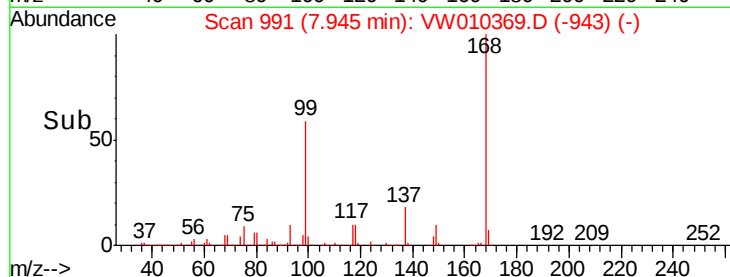
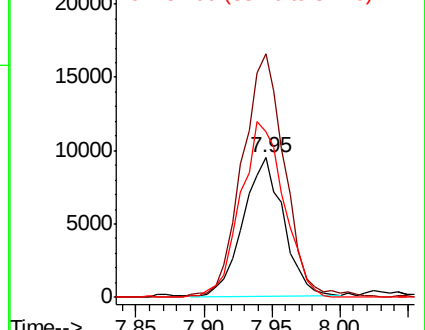
56 100

69 173.5 26.6 40.0#

84 119.2 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: 75.972 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010369.D

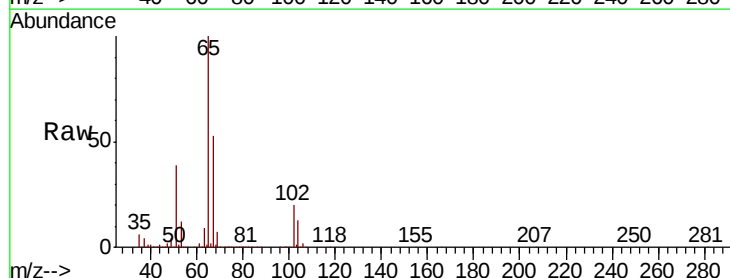
Acq: 10 May 2019 21:21

Tgt Ion: 65 Resp: 650726

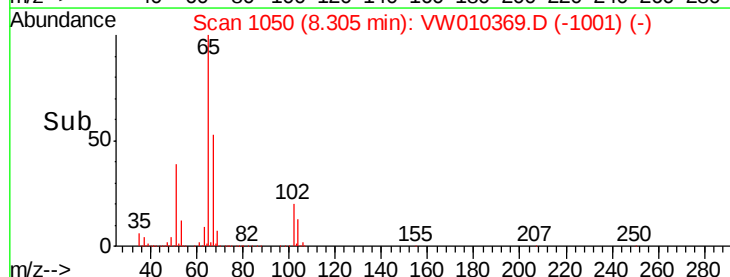
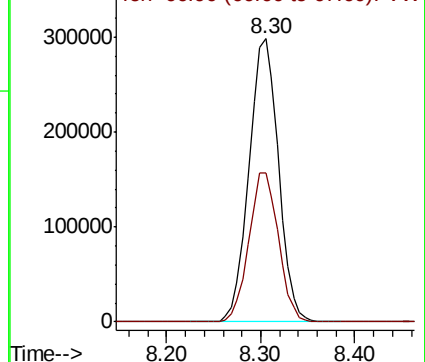
Ion Ratio Lower Upper

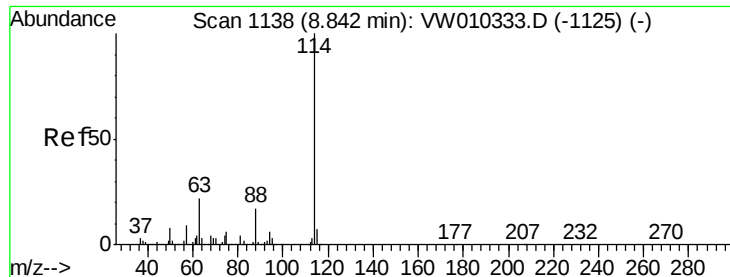
65 100

67 52.9 0.0 100.8



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

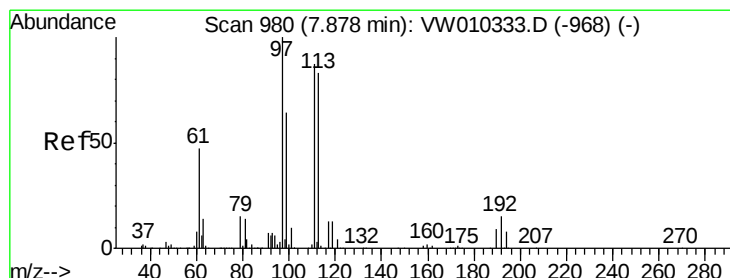
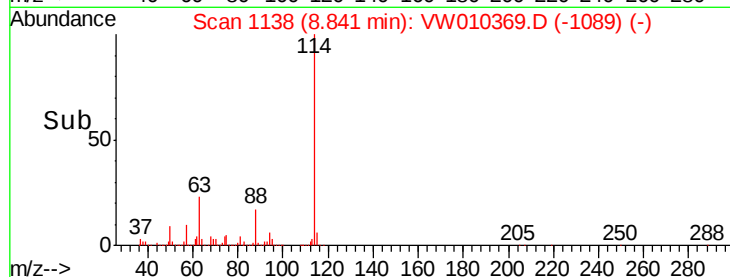
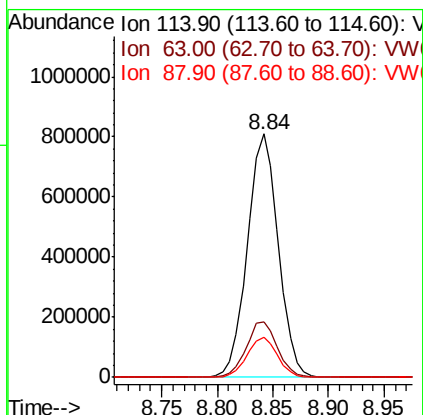
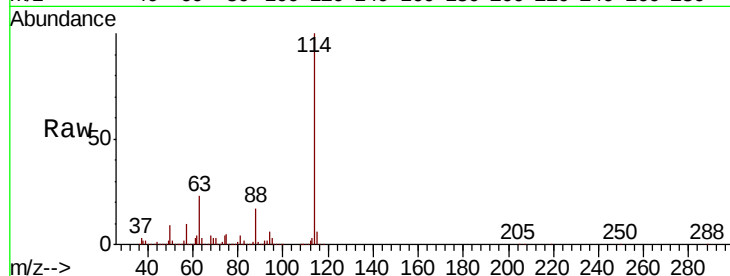




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010369.D
 Acq: 10 May 2019 21:21

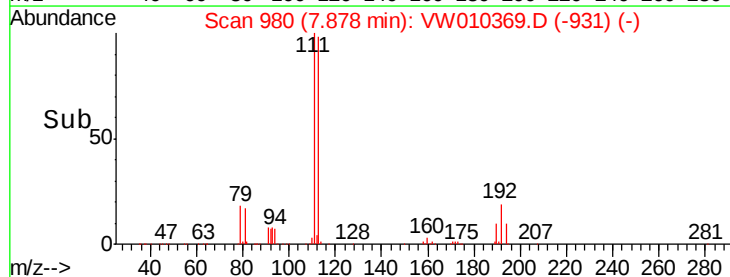
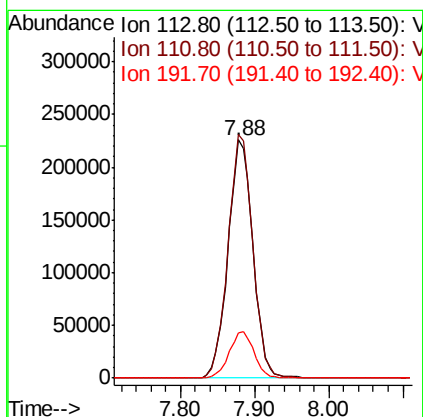
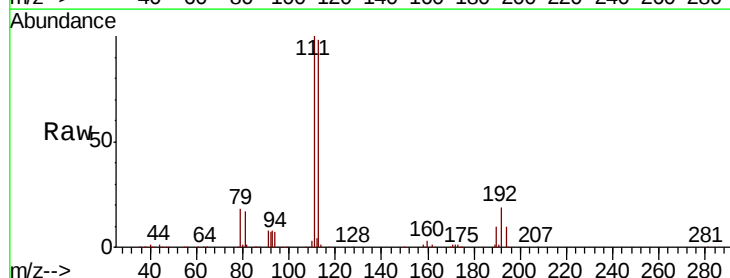
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0206-01

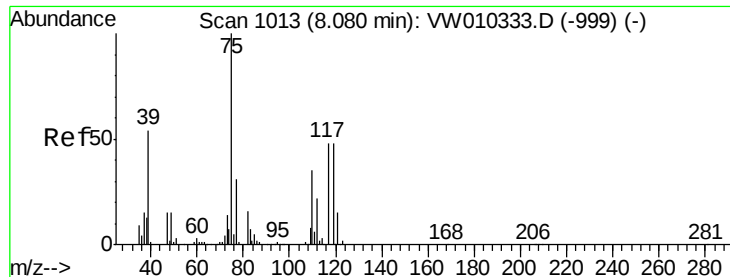
Tgt Ion:114 Resp: 1564587
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 46.2
 88 16.5 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 57.535 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010369.D
 Acq: 10 May 2019 21:21

Tgt Ion:113 Resp: 526780
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.6 123.8
 192 19.5 15.4 23.2

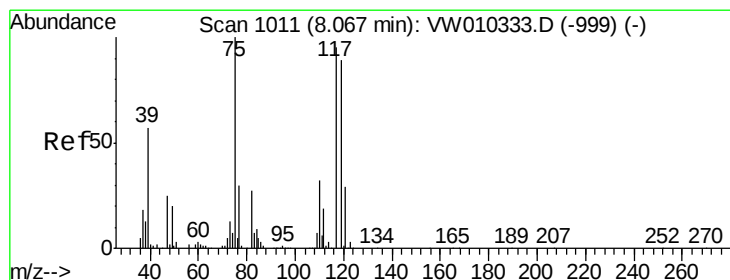
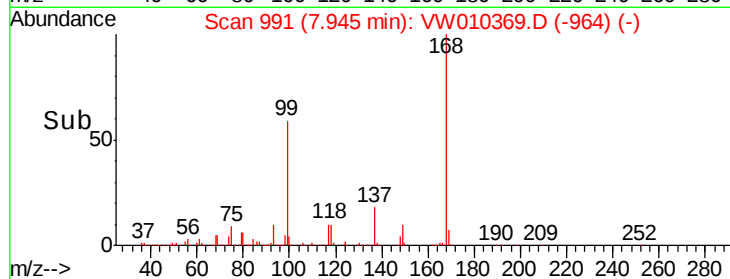
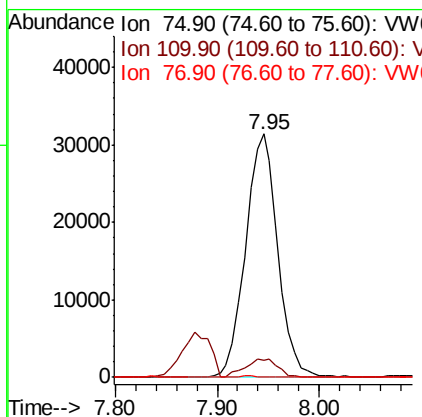
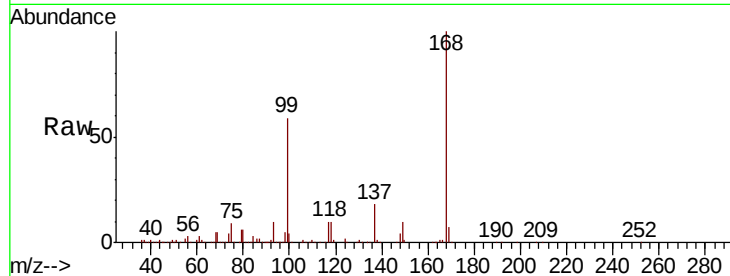




#36
 1,1-Dichloropropene
 Concen: 4.063 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010369.D
 Acq: 10 May 2019 21:21

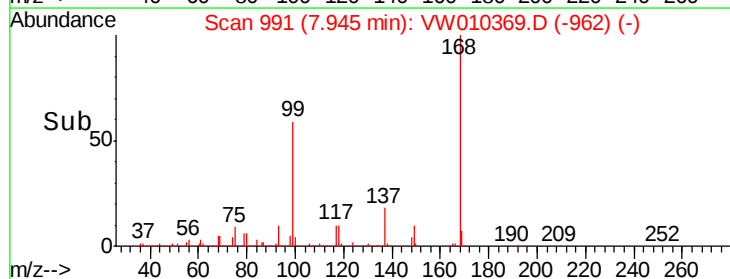
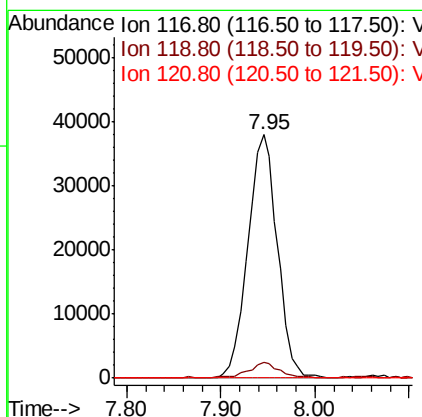
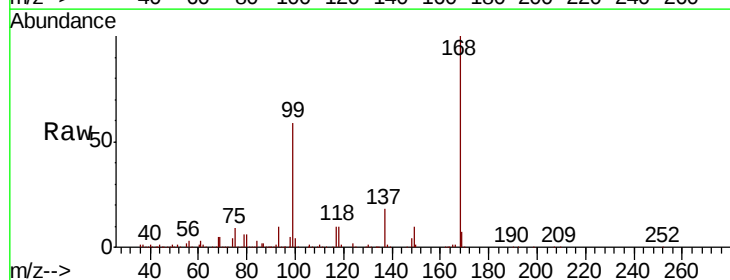
Instrument :
 MSVOA_W
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 P026-SS006-0206-01

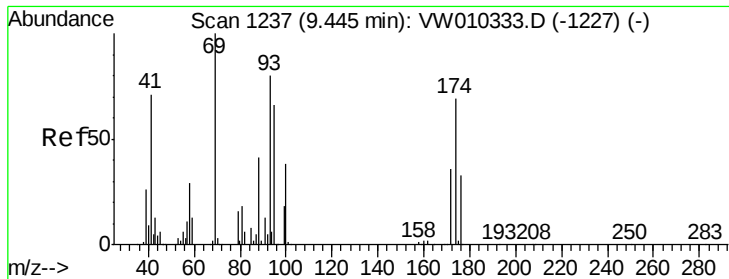
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.6	49.8#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.743 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010369.D
 Acq: 10 May 2019 21:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.3	112.9#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 3.278 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010369.D

Acq: 10 May 2019 21:21

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0206-01

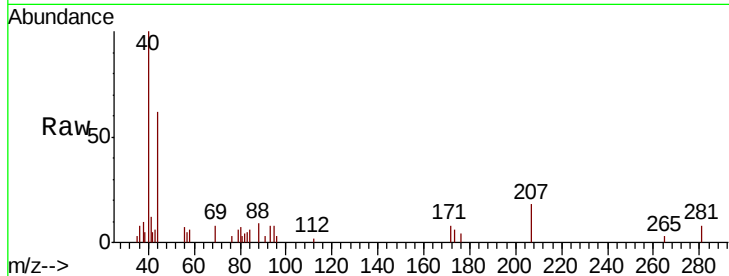
Tgt Ion: 88 Resp: 341

Ion Ratio Lower Upper

88 100

43 47.5 31.9 47.9

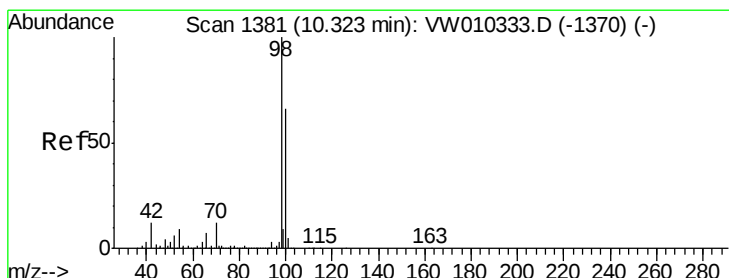
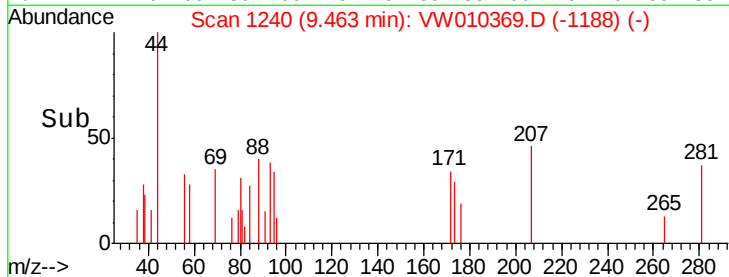
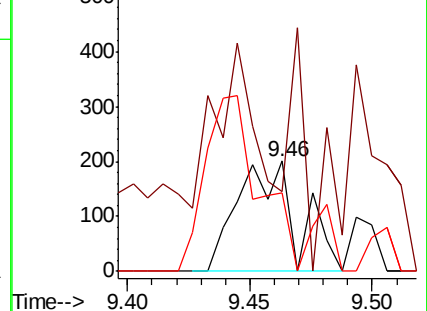
58 22.0 61.8 92.6#



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: 37.829 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010369.D

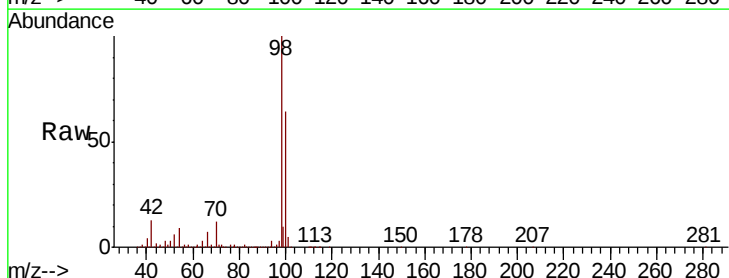
Acq: 10 May 2019 21:21

Tgt Ion: 98 Resp: 1410371

Ion Ratio Lower Upper

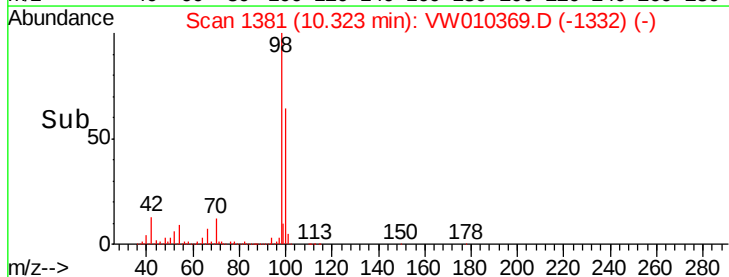
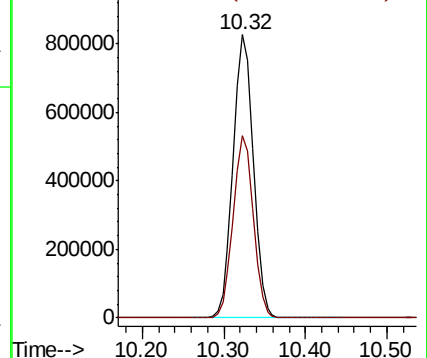
98 100

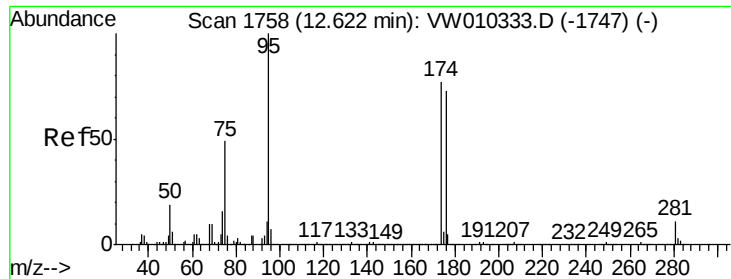
100 64.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

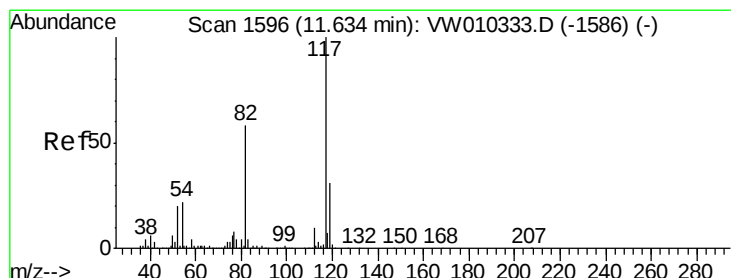
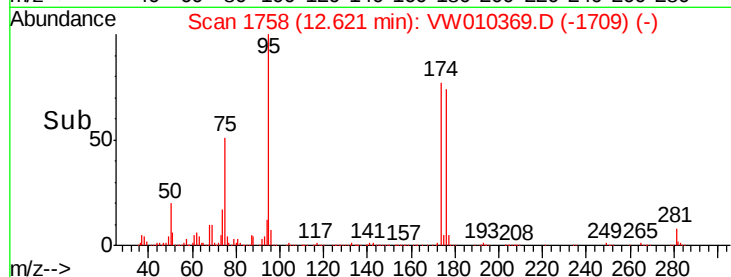
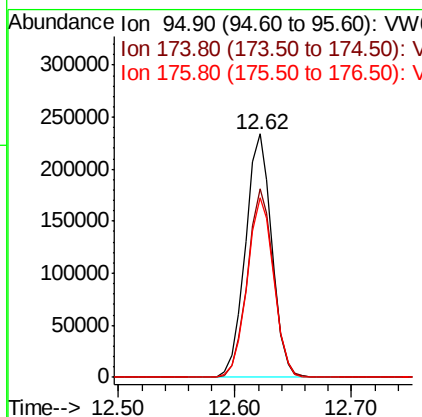
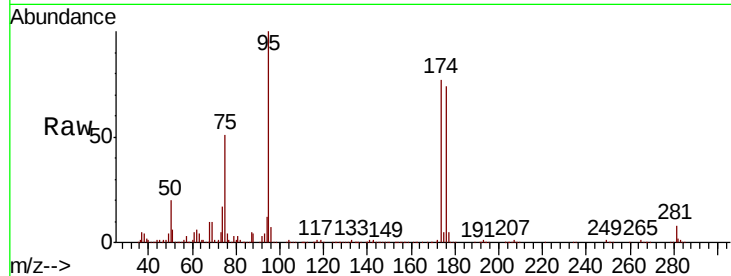




#62
4-Bromofluorobenzene
Concen: 28.160 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010369.D
Acq: 10 May 2019 21:21

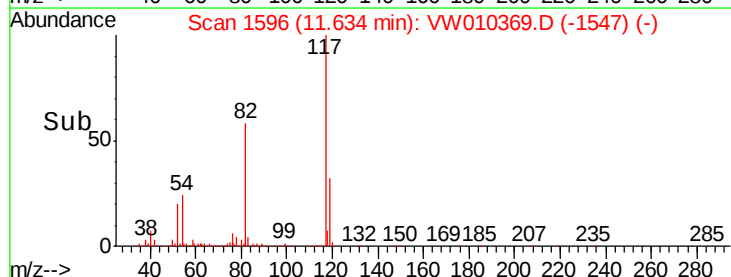
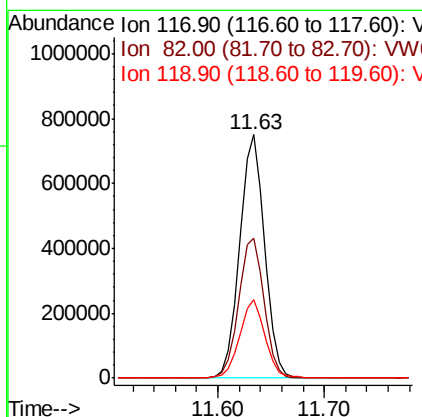
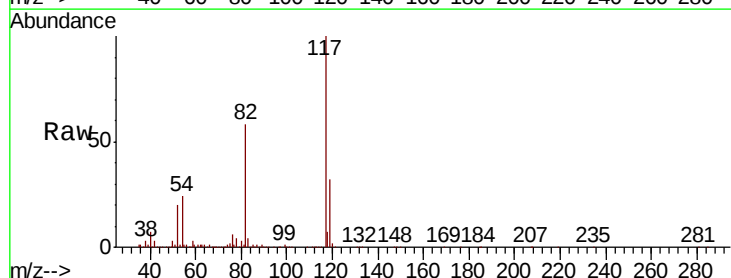
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0206-01

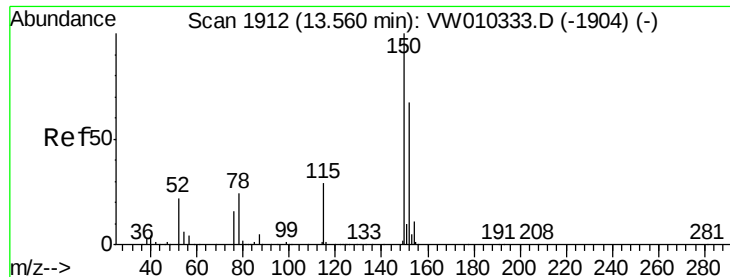
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	151.4
176	74.3	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010369.D
Acq: 10 May 2019 21:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.2	67.8
119	32.0	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: VW010369.D

Acq: 10 May 2019 21:21

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0206-01

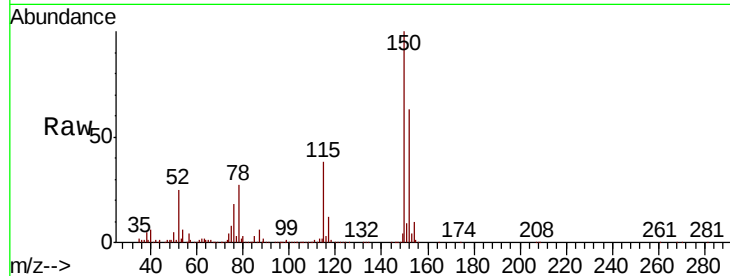
Tgt Ion:152 Resp: 375195

Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.2

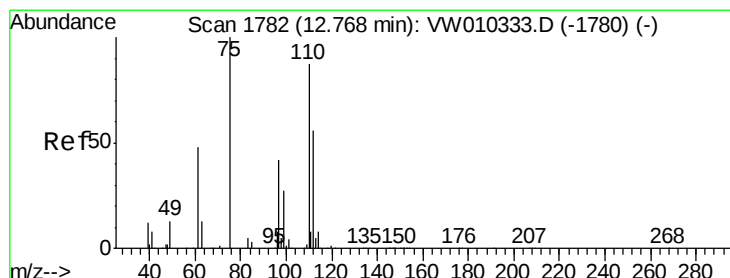
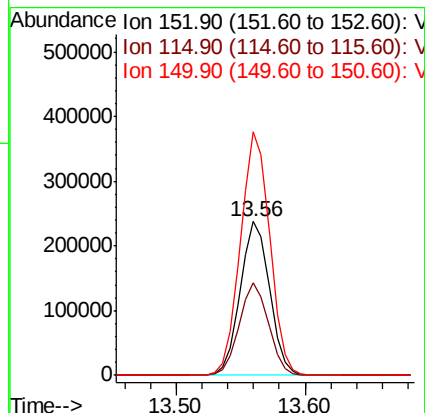
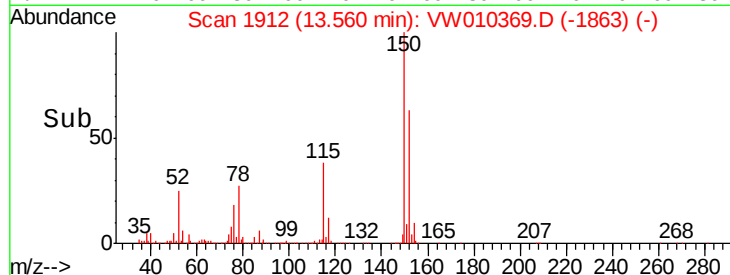
150 157.9 0.0 347.0



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: 43.716 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010369.D

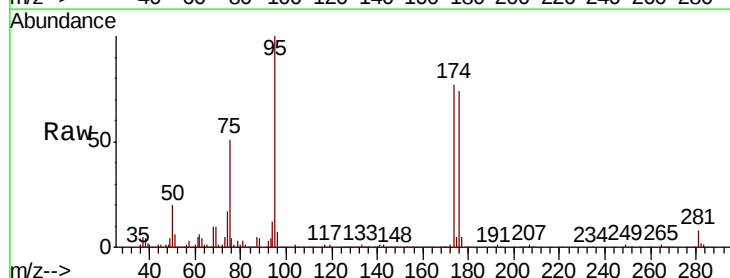
Acq: 10 May 2019 21:21

Tgt Ion: 75 Resp: 191233

Ion Ratio Lower Upper

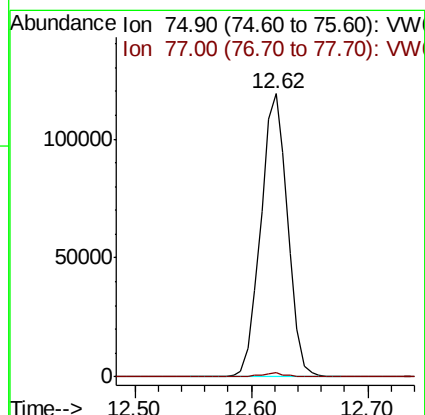
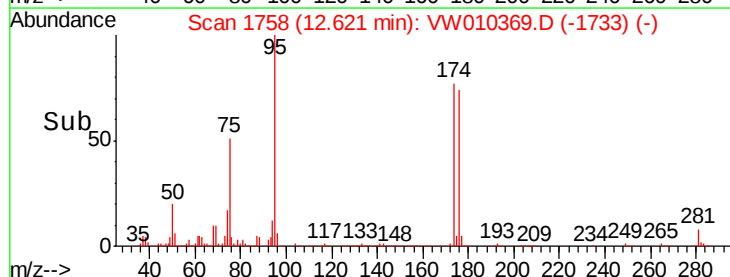
75 100

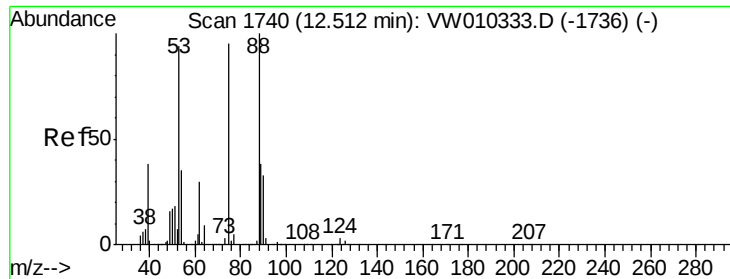
77 1.4 0.0 0.0#



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: 98.724 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010369.D

Acq: 10 May 2019 21:21

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0206-01

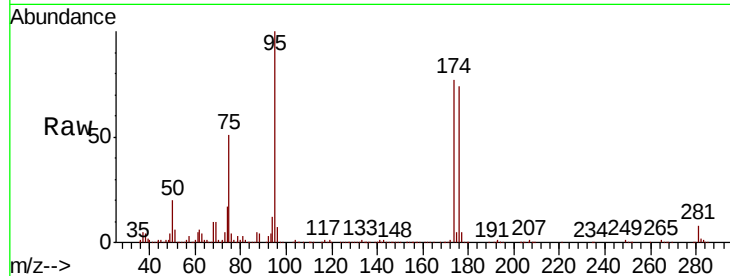
Tgt Ion: 75 Resp: 191233

Ion Ratio Lower Upper

75 100

53 0.6 89.8 134.8#

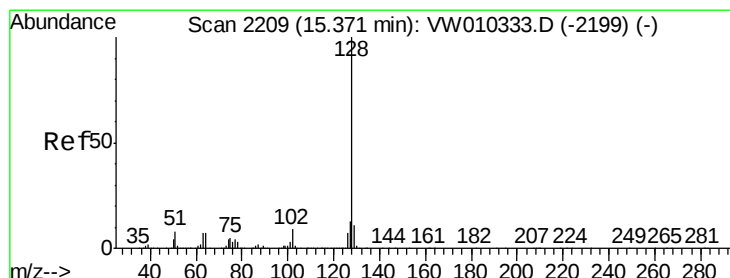
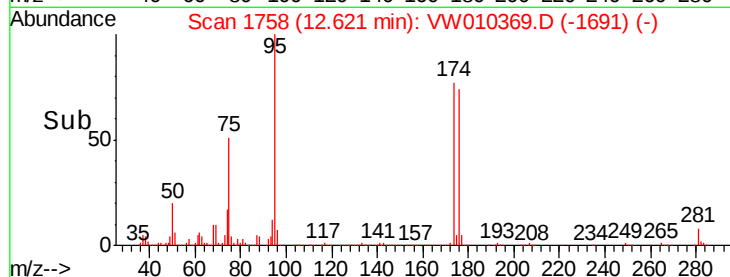
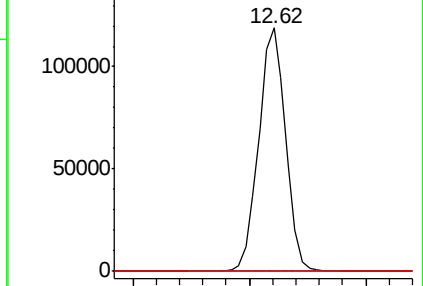
89 0.1 36.6 54.8#



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



#95

Naphthalene

Concen: 3.757 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010369.D

Acq: 10 May 2019 21:21

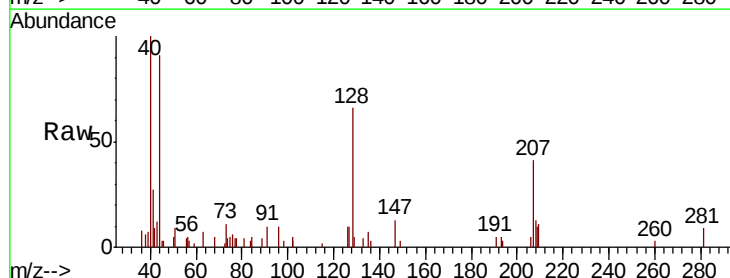
Tgt Ion: 128 Resp: 2984

Ion Ratio Lower Upper

128 100

127 20.3 10.6 15.8#

129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

