

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027262.D
 Acq On : 28 Sep 2018 11:36
 Operator : MD/SY
 Sample : J5041-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-TB-2018-2

Quant Time: Sep 28 16:17:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	97474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	102027	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	4.88	113	69160	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	7.57	98	264140	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	10.31	95	86104	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

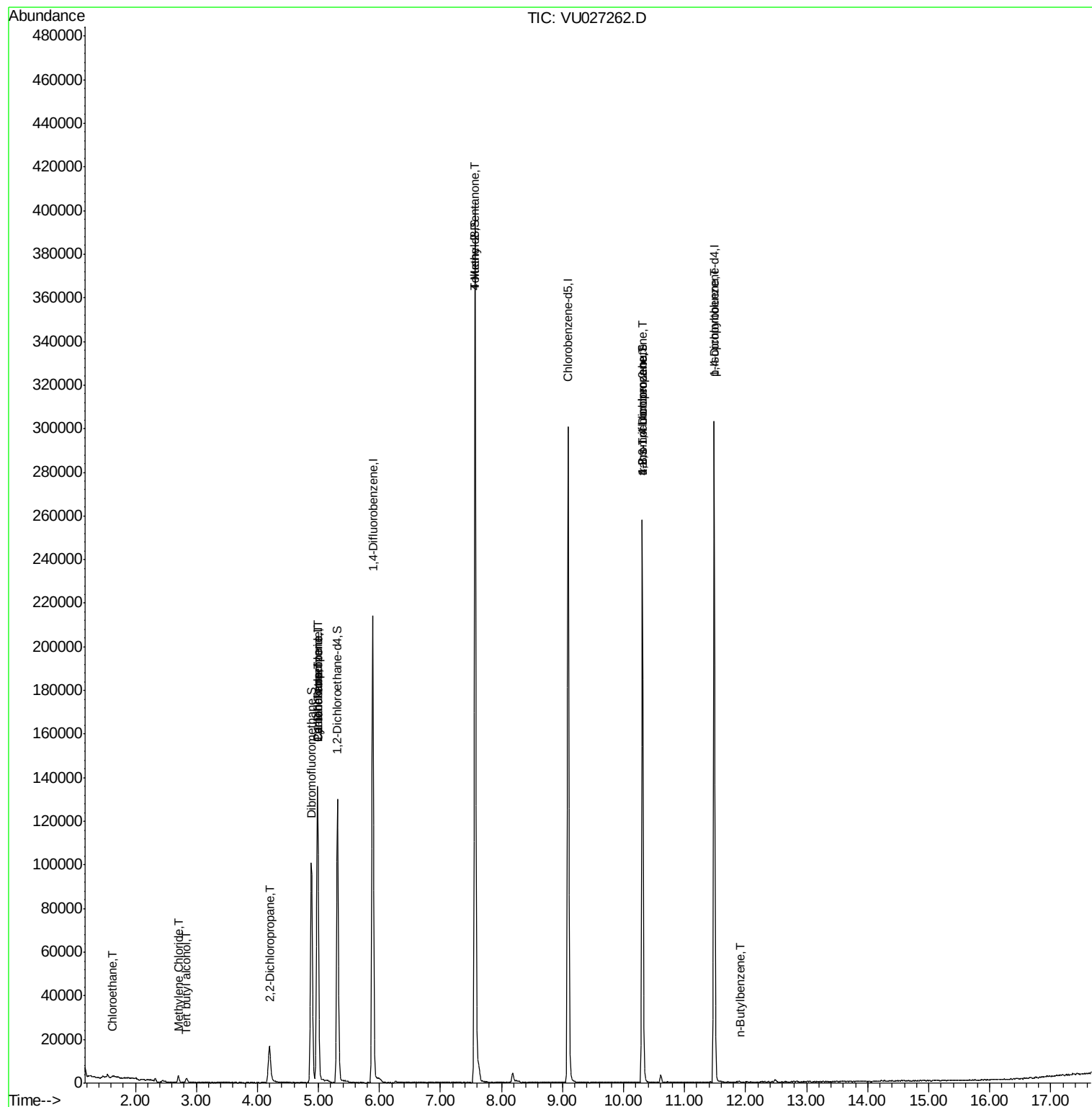
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	614	0.469	ug/l #	43
11) Tert butyl alcohol	2.84	59	1718	3.821	ug/l #	72
16) Acetone	2.32	43	1926	Below Cal	#	78
20) Methylene Chloride	2.70	84	1355	0.771	ug/l	92
26) 2,2-Dichloropropane	4.20	77	1078	0.430	ug/l #	55
31) Cyclohexane	4.98	56	2582	0.312	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9186	4.124	ug/l #	47
38) Carbon Tetrachloride	4.99	117	10186	4.806	ug/l #	18
51) 4-Methyl-2-Pentanone	7.56	43	1393	0.471	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	46460	21.260	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46460	68.036	ug/l #	100
86) p-Isopropyltoluene	11.48	119	91	0.945	ug/l #	1
89) n-Butylbenzene	11.90	91	137	2.419	ug/l #	33

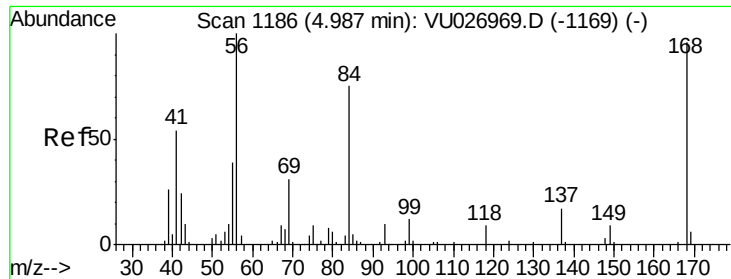
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027262.D

Acq: 28 Sep 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

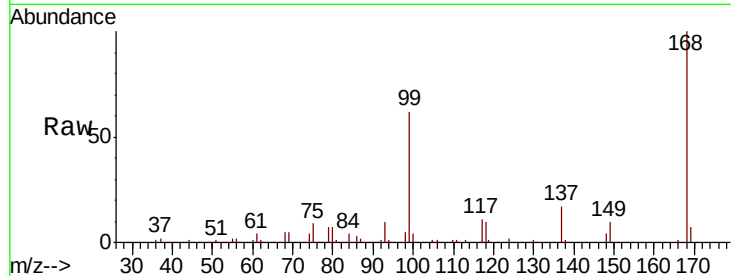
S13-TB-2018-2

Tot Ion:168 Resp: 97474

Ion Ratio Lower Upper

168 100

99 62.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

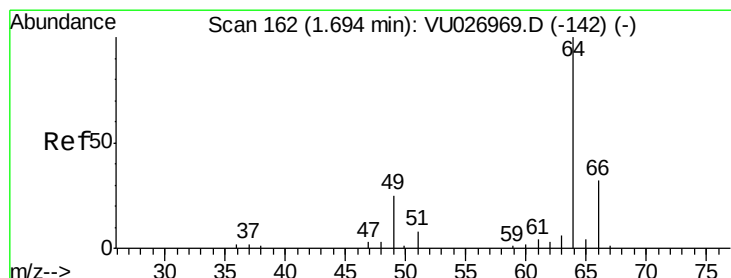
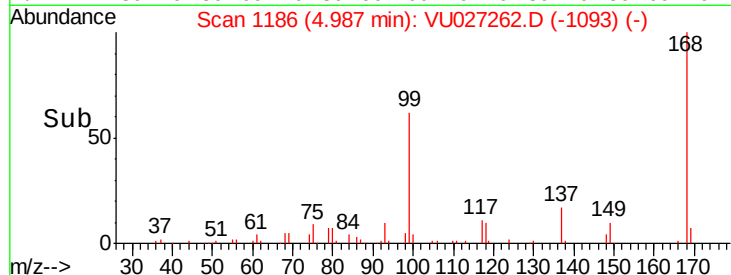
20000

10000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: 0.469 ug/l

RT: 1.62 min Scan# 140

Delta R.T. -0.07 min

Lab File: VU027262.D

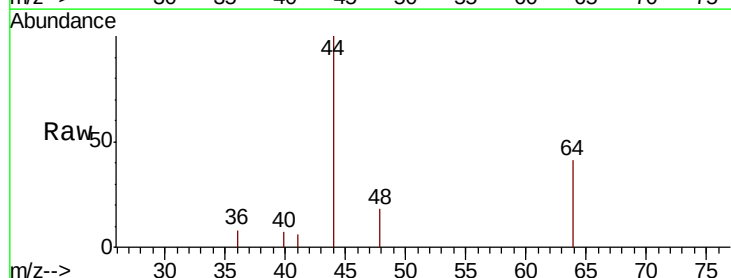
Acq: 28 Sep 2018 11:36

Tgt Ion: 64 Resp: 614

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.62

800

600

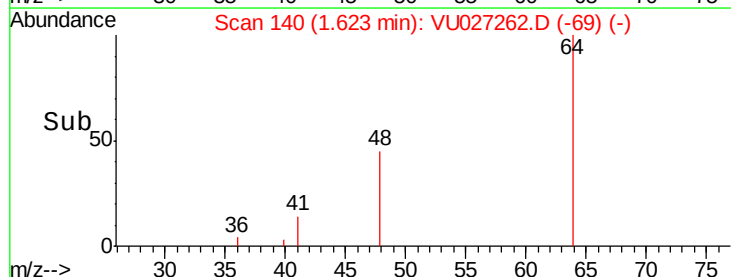
400

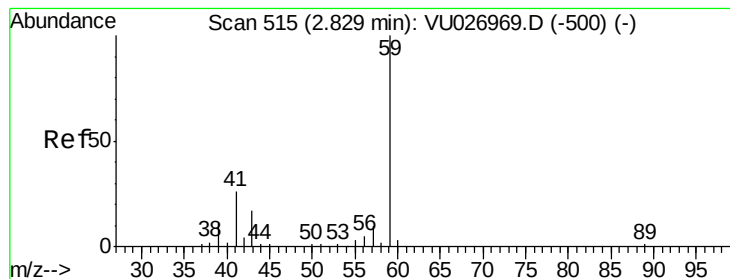
200

0

Time-->

1.58 1.60 1.62 1.64





#11

Tert butyl alcohol

Concen: 3.821 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027262.D

Acq: 28 Sep 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

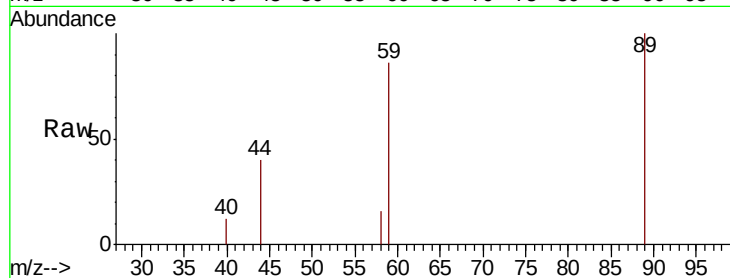
S13-TB-2018-2

Tot Ion: 59 Resp: 1718

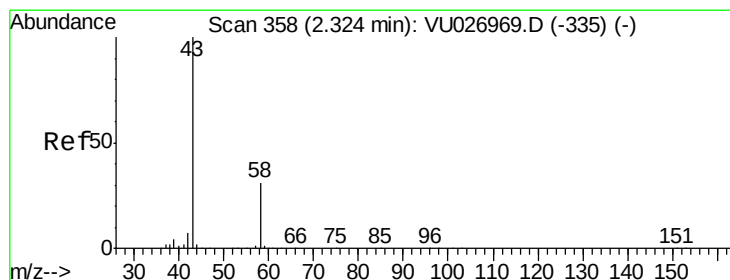
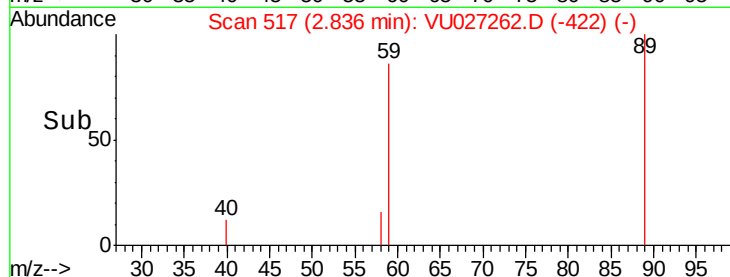
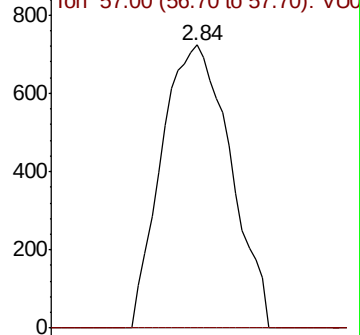
Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU027262.D (-500) (-)



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027262.D

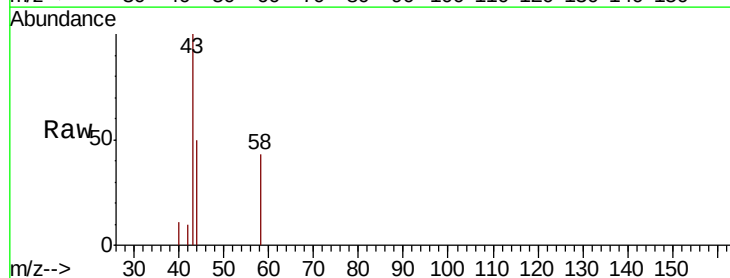
Acq: 28 Sep 2018 11:36

Tgt Ion: 43 Resp: 1926

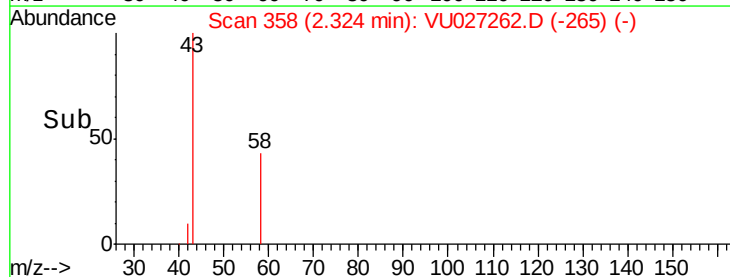
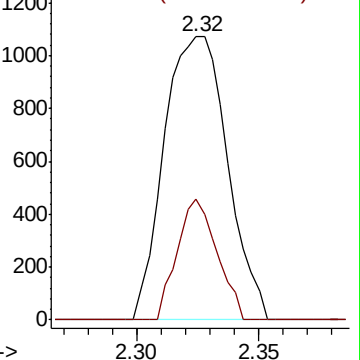
Ion Ratio Lower Upper

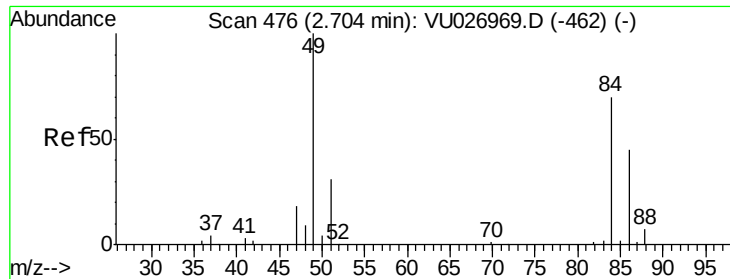
43 100

58 42.7 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU027262.D (-335) (-)

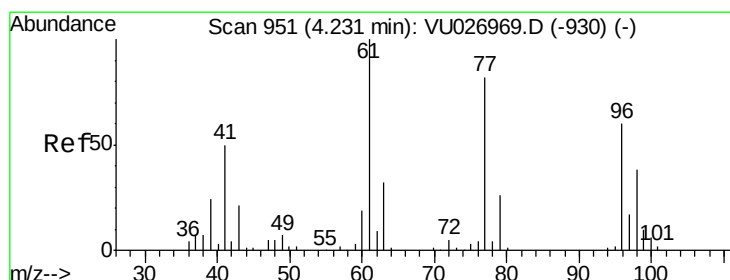
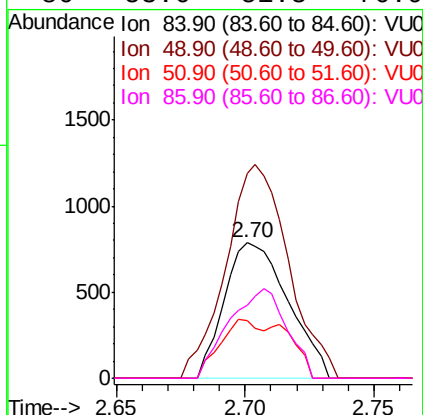
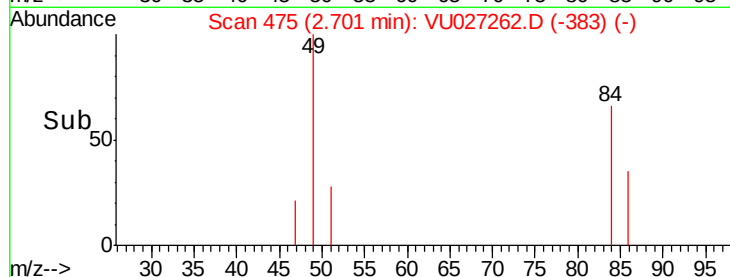
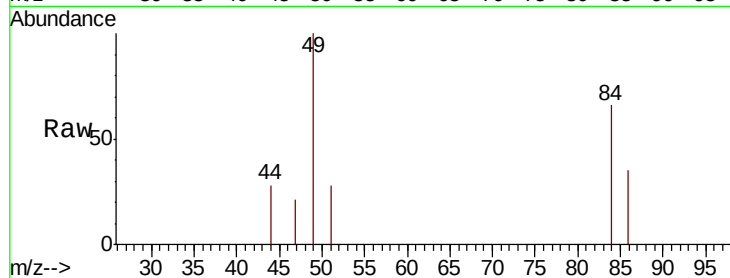




#20
Methylene Chloride
Concen: 0.771 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

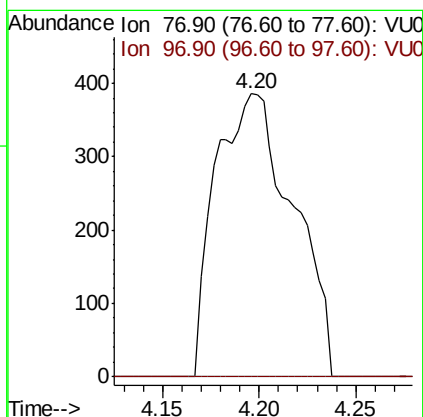
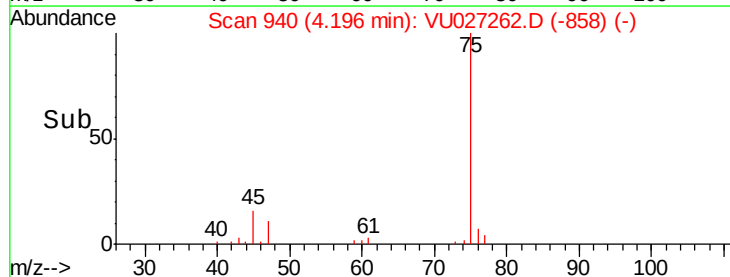
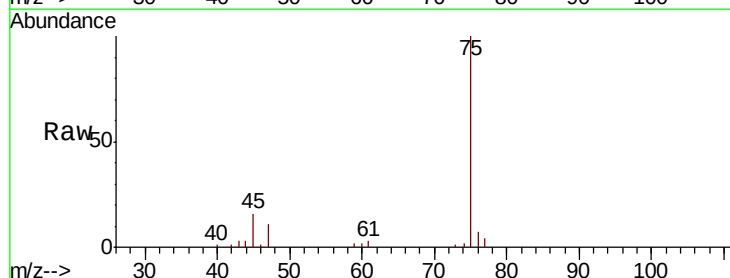
Instrument :
MSVOA_U
ClientSampleId :
S13-TB-2018-2

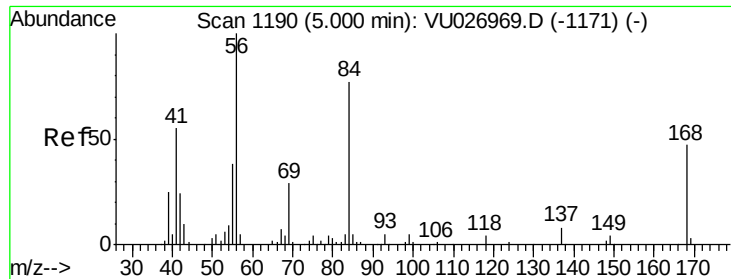
Tot Ion:	84	Resp:	1355
Ion	Ratio	Lower	Upper
84	100		
49	151.4	114.9	172.3
51	42.4	35.8	53.8
86	53.6	51.3	76.9



#26
2,2-Dichloropropane
Concen: 0.430 ug/l
RT: 4.20 min Scan# 940
Delta R.T. -0.04 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Tgt Ion:	77	Resp:	1078
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.5	31.5#

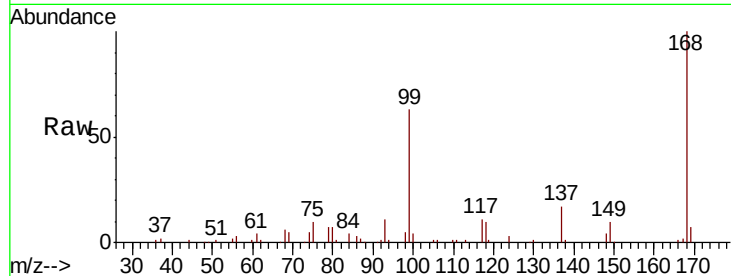




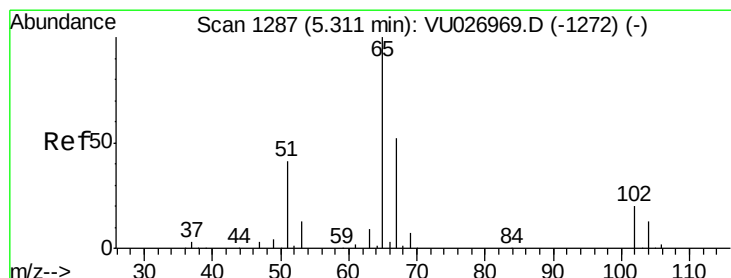
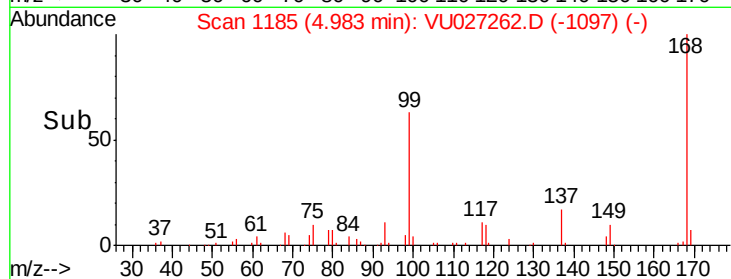
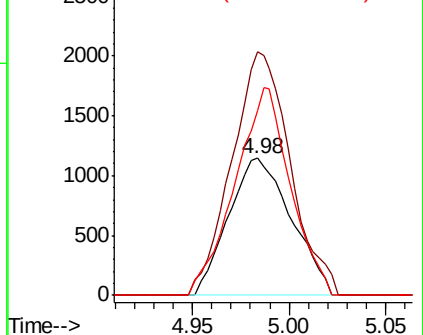
#31
Cyclohexane
Concen: 0.312 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
S13-TB-2018-2

Tot Ion: 56 Resp: 2582
Ion Ratio Lower Upper
56 100
69 177.8 23.0 34.4#
84 134.5 61.4 92.2#

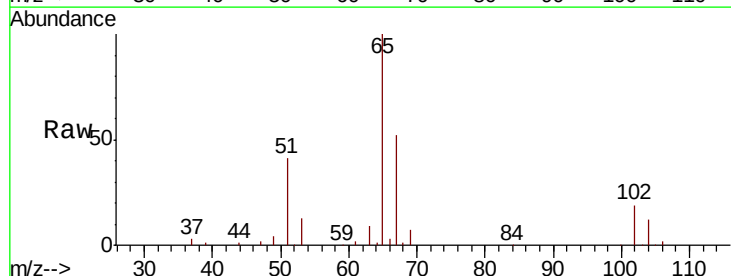


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

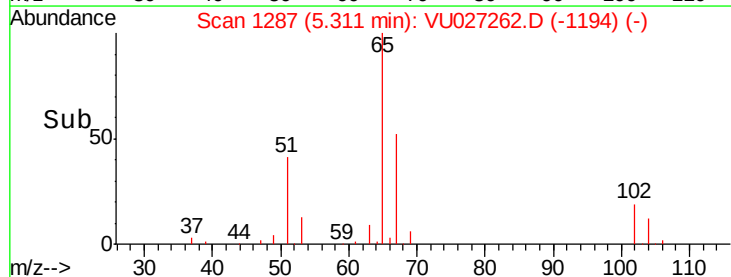
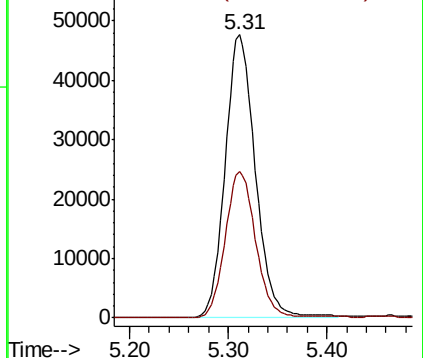


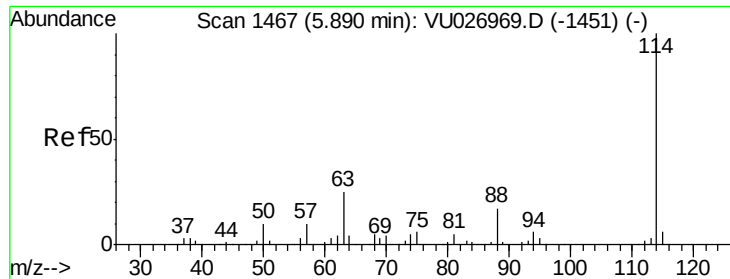
#33
1,2-Dichloroethane-d4
Concen: 52.006 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Tgt Ion: 65 Resp: 102027
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027262.D

Acq: 28 Sep 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

S13-TB-2018-2

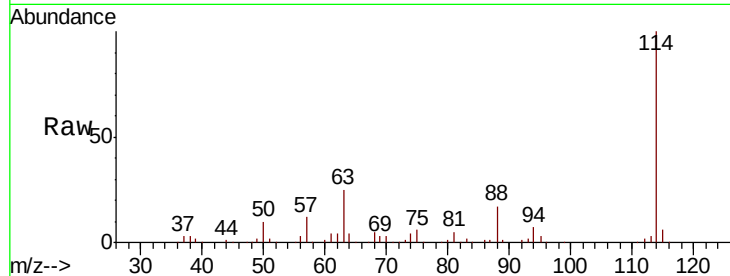
Tot Ion:114 Resp: 166878

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

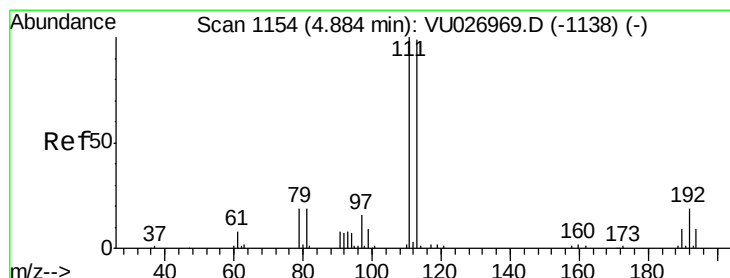
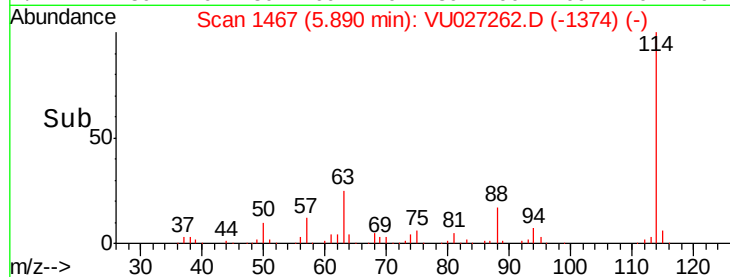
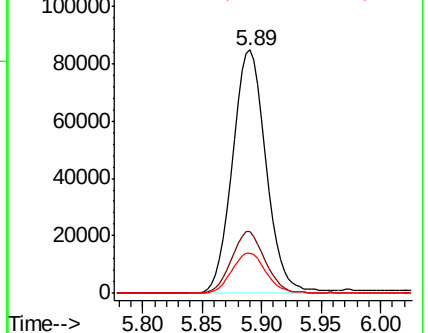
88 16.7 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.812 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027262.D

Acq: 28 Sep 2018 11:36

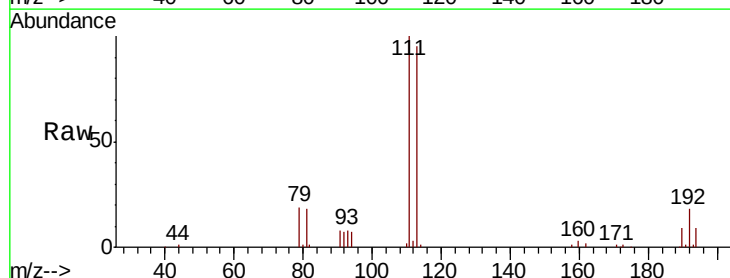
Tgt Ion:113 Resp: 69160

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

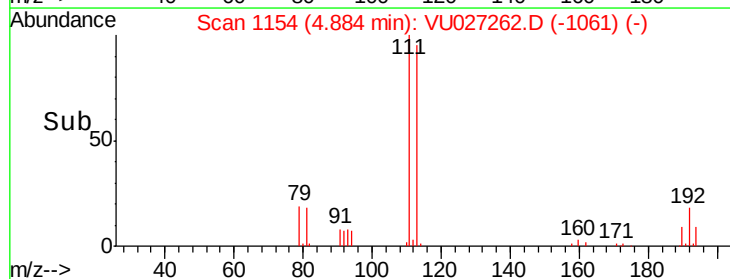
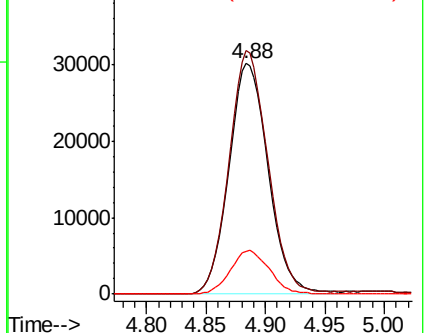
192 18.8 15.2 22.8

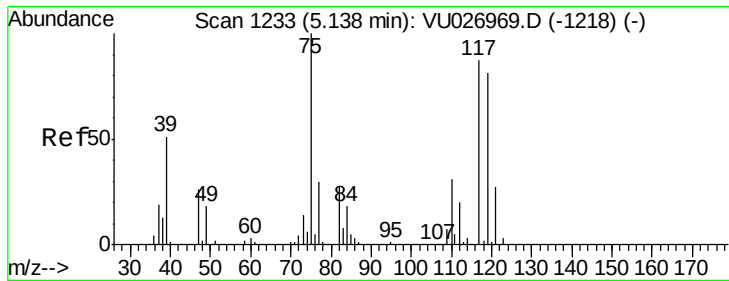


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

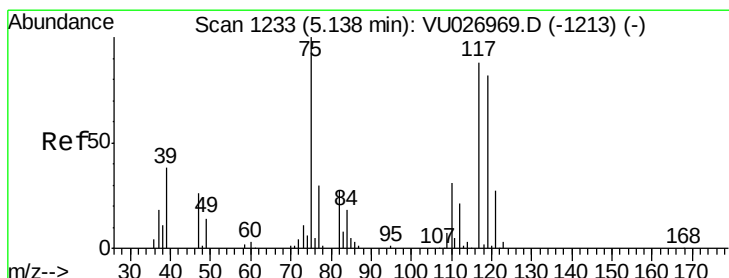
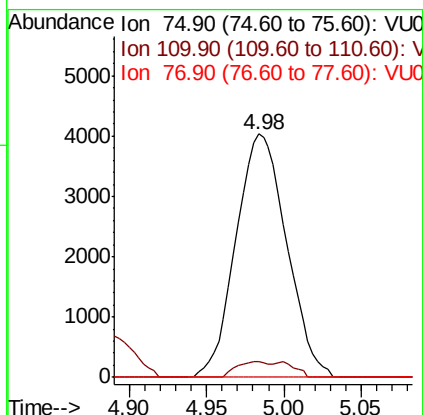
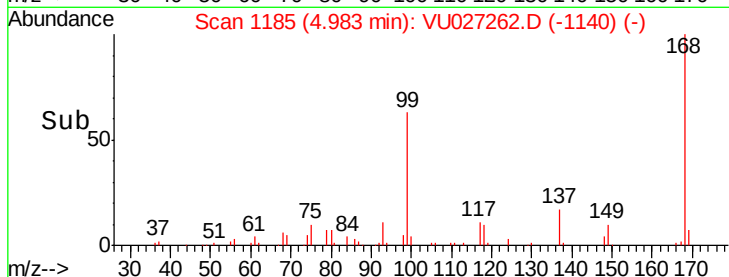
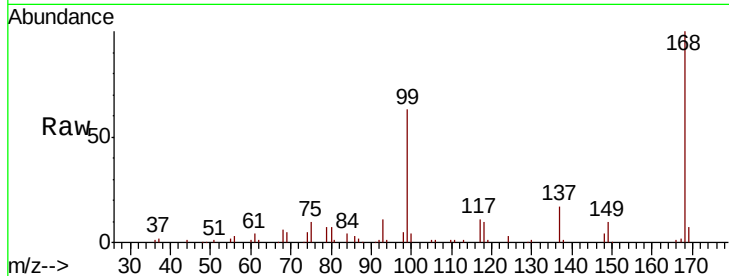




#36
 1,1-Dichloropropene
 Concen: 4.124 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027262.D
 Acq: 28 Sep 2018 11:36

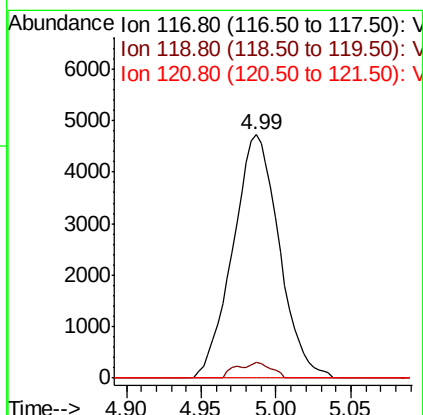
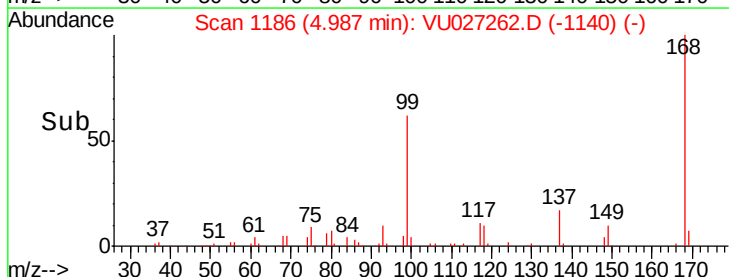
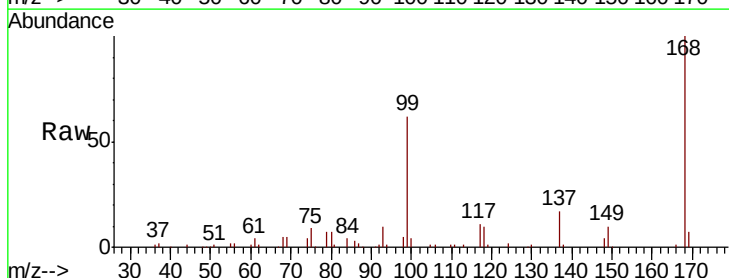
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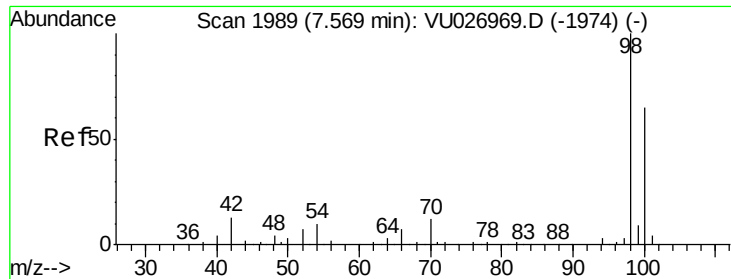
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.5	16.1	48.2#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.806 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027262.D
 Acq: 28 Sep 2018 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	74.4	111.6#
121	0.0	24.2	36.4#

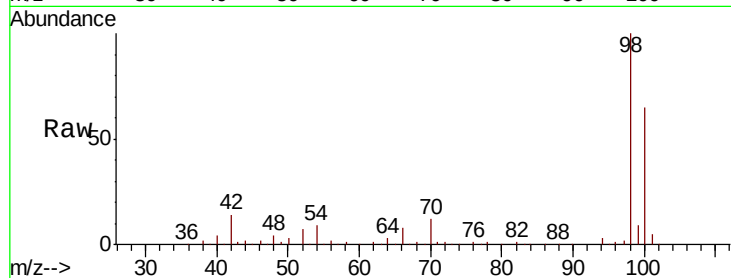




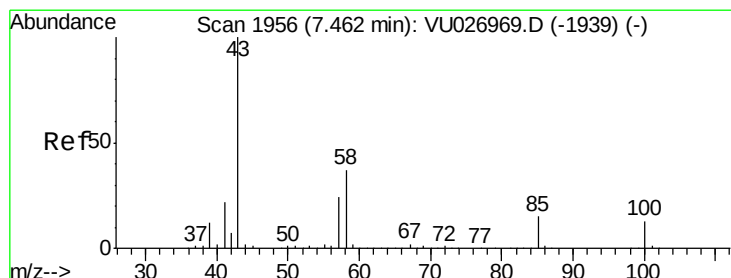
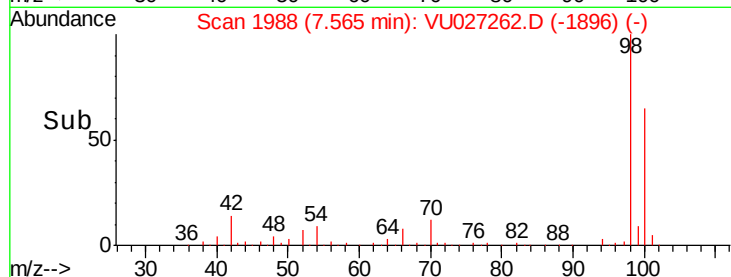
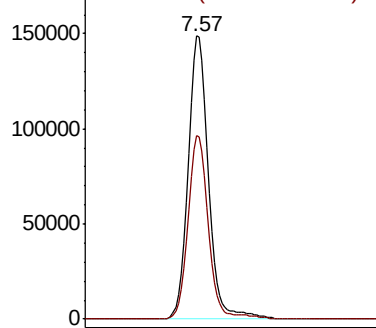
#50
Toluene-d8
Concen: 47.915 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
S13-TB-2018-2

Tot Ion: 98 Resp: 264140
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

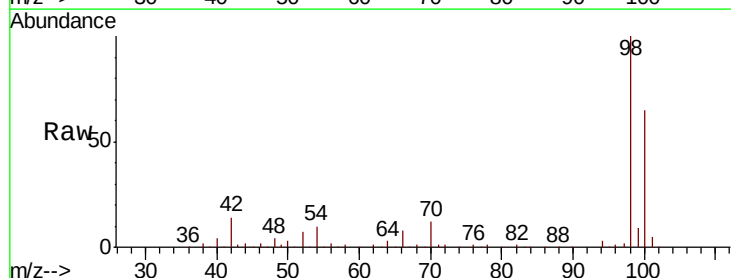


Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

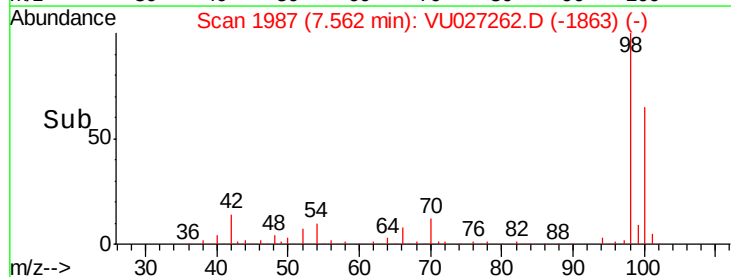
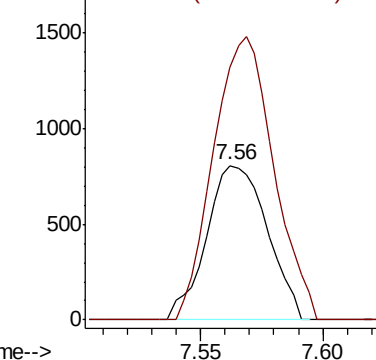


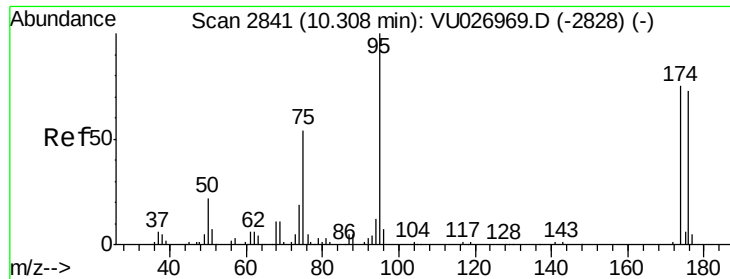
#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
58 182.1 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

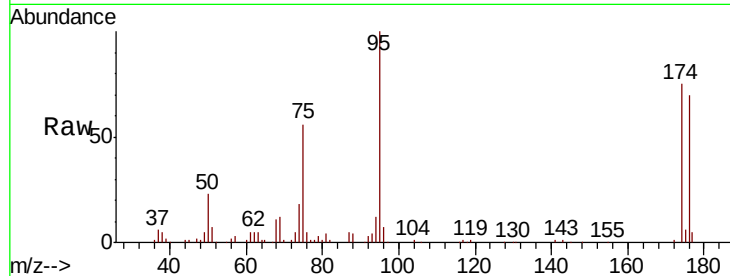




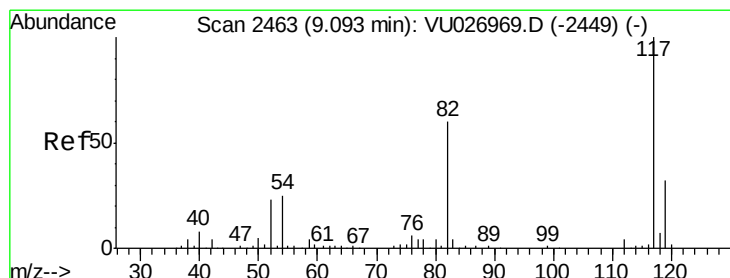
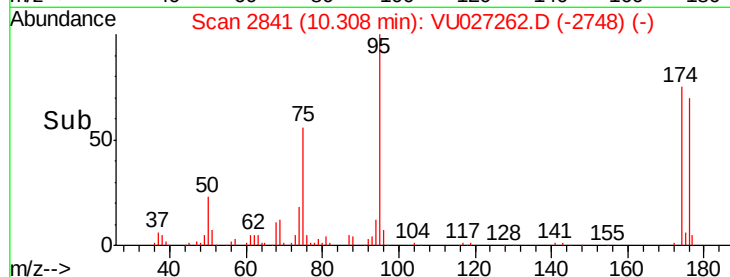
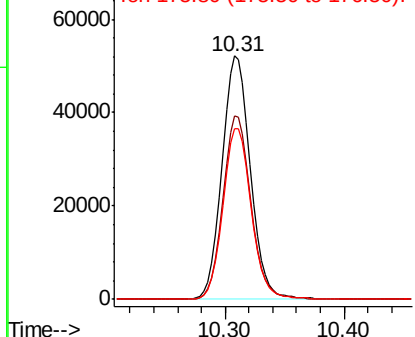
#62
4-Bromofluorobenzene
Concen: 45.520 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
S13-TB-2018-2

Tot Ion: 95 Resp: 86104
Ion Ratio Lower Upper
95 100
174 74.2 0.0 150.2
176 70.2 0.0 145.2

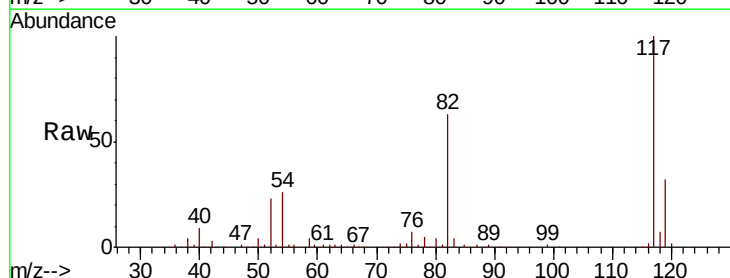


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

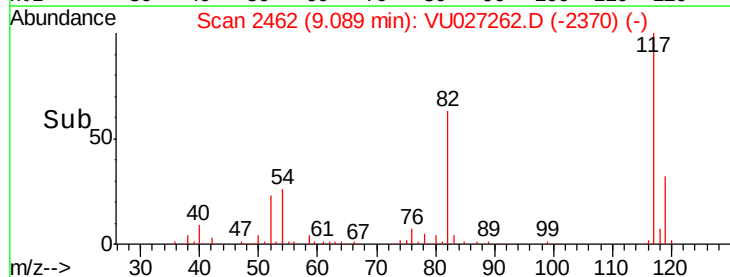
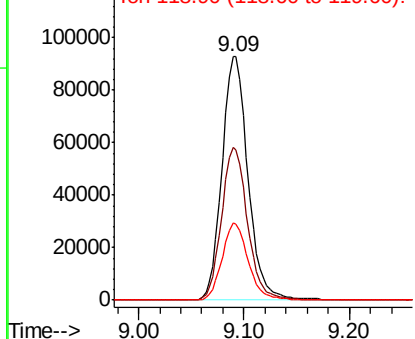


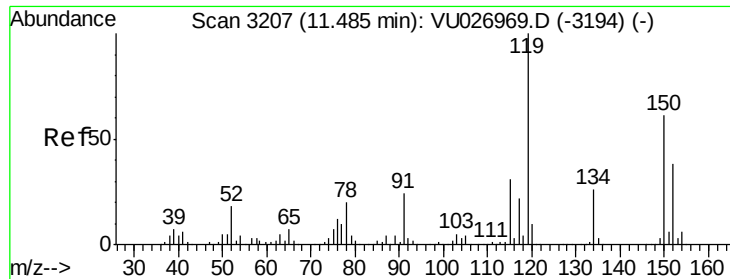
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Tgt Ion: 117 Resp: 158308
Ion Ratio Lower Upper
117 100
82 62.7 48.0 72.0
119 31.5 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027262.D

Acq: 28 Sep 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

S13-TB-2018-2

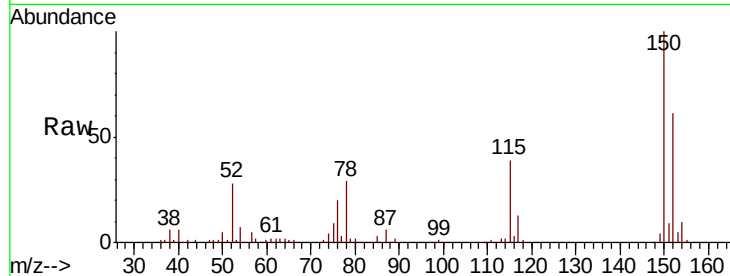
Tot Ion:152 Resp: 71933

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

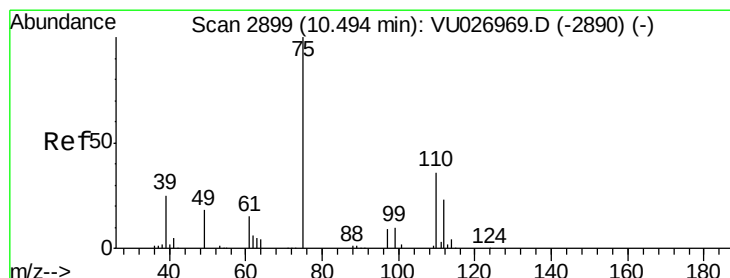
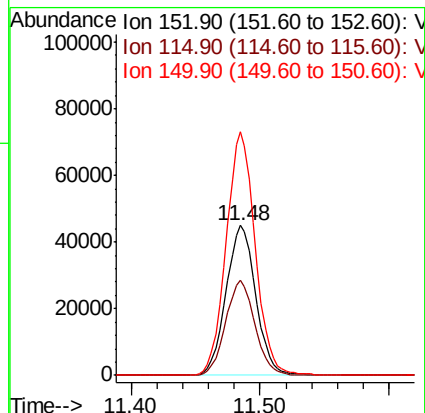
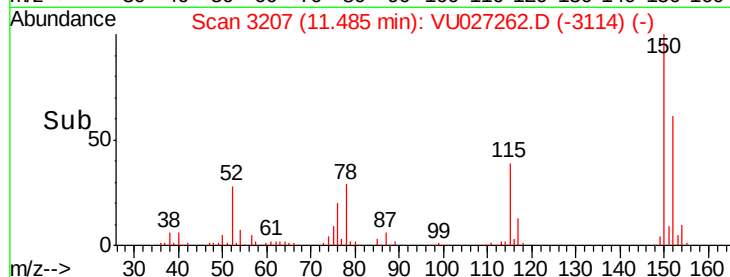
150 159.0 0.0 355.8



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: 21.260 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027262.D

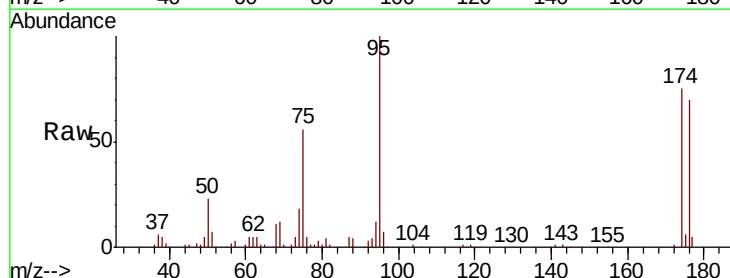
Acq: 28 Sep 2018 11:36

Tgt Ion: 75 Resp: 46460

Ion Ratio Lower Upper

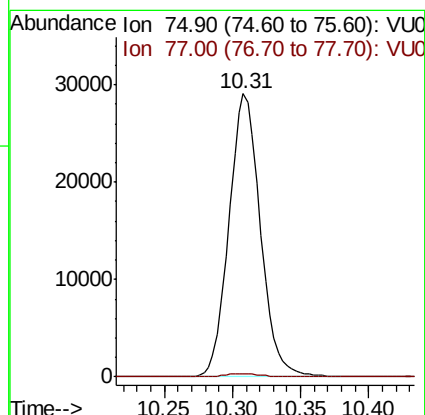
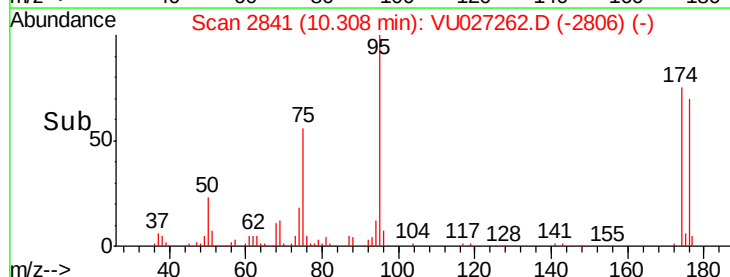
75 100

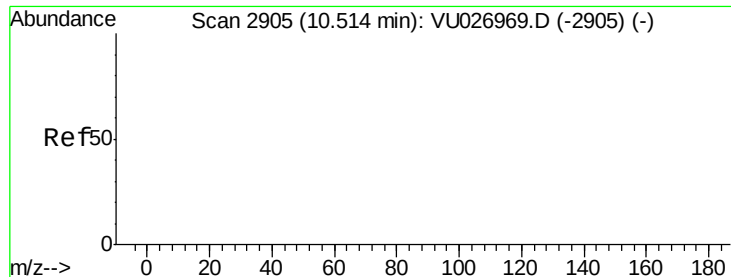
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

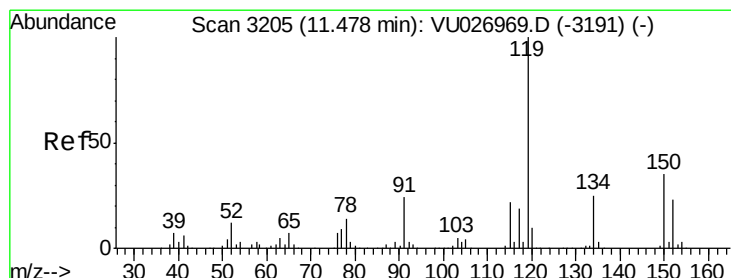
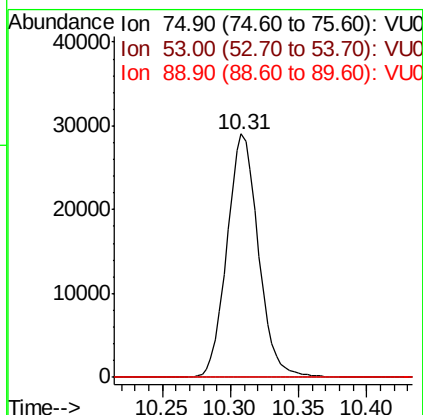
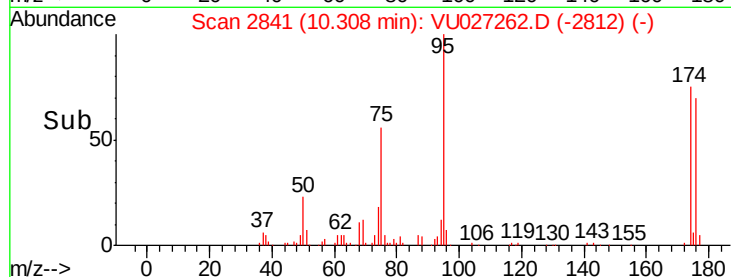
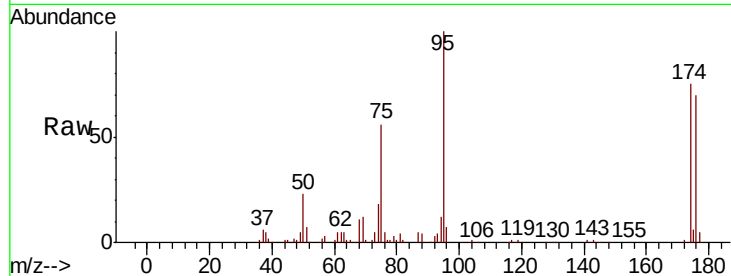




#81
trans-1,4-Dichloro-2-butene
Concen: 68.036 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

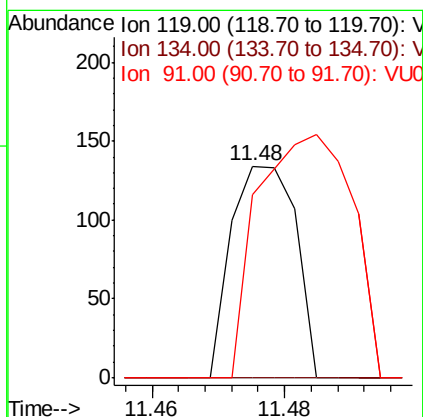
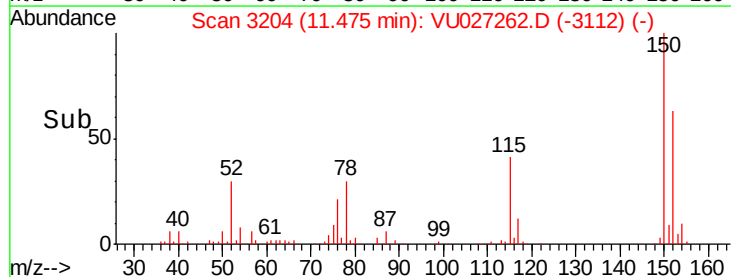
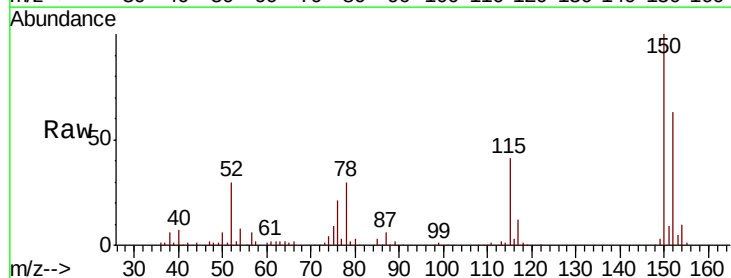
Instrument :
MSVOA_U
ClientSampleId :
S13-TB-2018-2

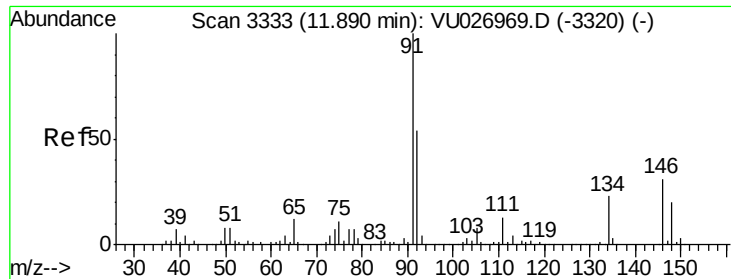
Tot Ion: 75 Resp: 46460
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.945 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027262.D
Acq: 28 Sep 2018 11:36

Tgt Ion: 119 Resp: 91
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 168.1 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.419 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU027262.D

Acq: 28 Sep 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

S13-TB-2018-2

Tot Ion: 91 Resp: 137

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#

