

Data File : VU027547.D
Acq On : 10 Oct 2018 01:25
Operator : MD/SY
Sample : J5302-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TW-3

Quant Time: Oct 10 06:03:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	145206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	239669	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	208608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89392	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	108009	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	
35) Dibromofluoromethane	4.89	113	79111	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	7.57	98	300253	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	10.31	95	98170	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	

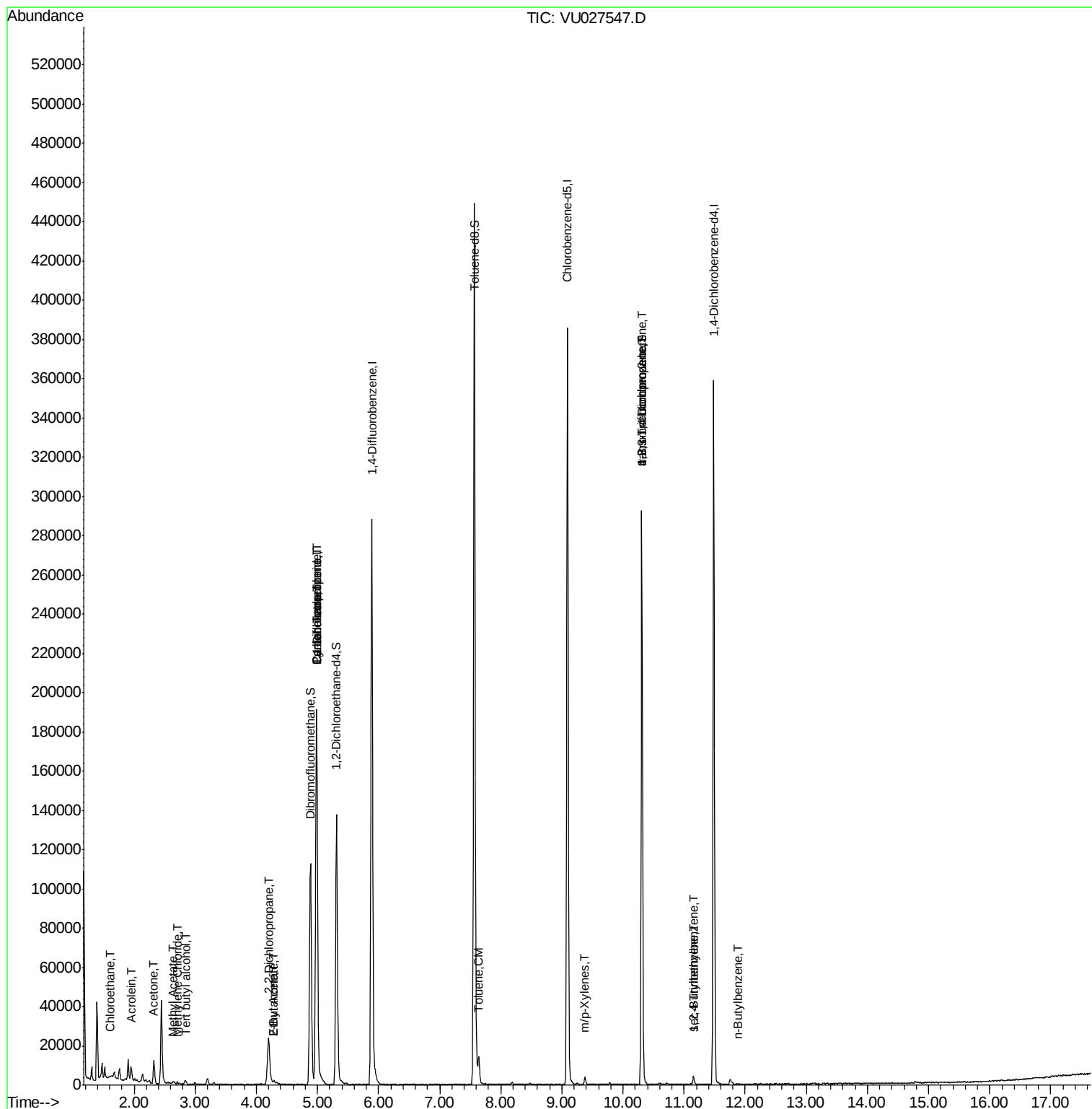
Target Compounds				Qvalue		
6) Chloroethane	1.61	64	547	0.342	ug/l #	44
11) Tert butyl alcohol	2.84	59	1869	3.660	ug/l #	72
13) Acrolein	1.96	56	154	0.359	ug/l #	1
16) Acetone	2.32	43	13039	9.103	ug/l	94
18) Methyl Acetate	2.62	43	700	0.214	ug/l #	56
20) Methylene Chloride	2.70	84	476	0.239	ug/l	100
25) 2-Butanone	4.29	43	1925	0.986	ug/l	99
26) 2,2-Dichloropropane	4.20	77	1751	0.560	ug/l #	56
31) Cyclohexane	4.98	56	3108	0.564	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12683	4.874	ug/l #	50
37) Ethyl Acetate	4.29	43	1925	0.572	ug/l #	70
38) Carbon Tetrachloride	4.99	117	14252	6.063	ug/l #	17
52) Toluene	7.64	92	5979	1.333	ug/l	92
68) m/p-Xylenes	9.38	106	1207	0.424	ug/l	77
76) 1,2,3-Trichloropropane	10.31	75	50794	21.920	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	50794	57.367	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	2299	0.426	ug/l	96
85) sec-Butylbenzene	11.15	105	2299	0.357	ug/l #	58
89) n-Butylbenzene	11.89	91	20	1.953	ug/l #	33

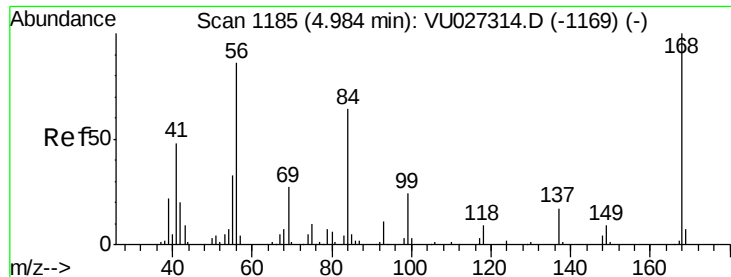
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027547.D

Acq: 10 Oct 2018 01:25

Instrument :

MSVOA_U

ClientSampleId :

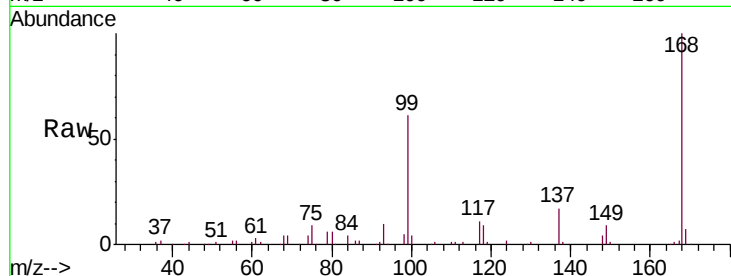
TW-3

Tgt Ion:168 Resp: 145206

Ion Ratio Lower Upper

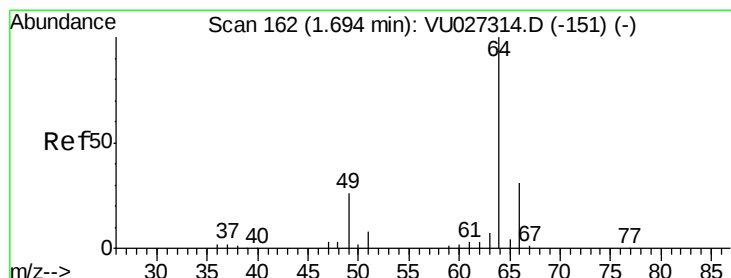
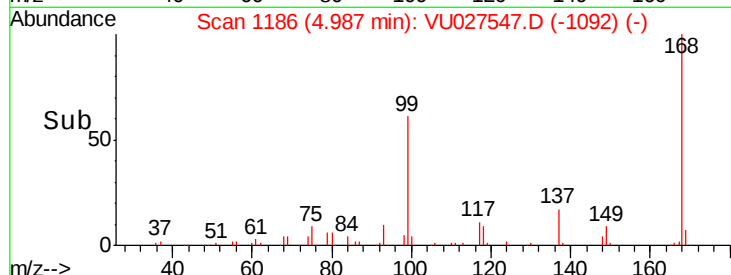
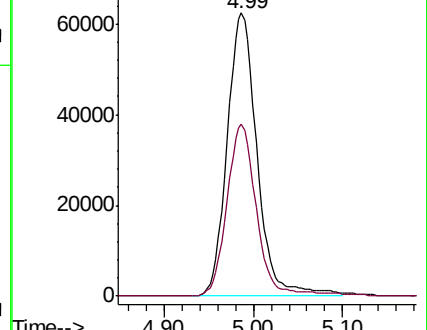
168 100

99 60.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#6

Chloroethane

Concen: 0.342 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.08 min

Lab File: VU027547.D

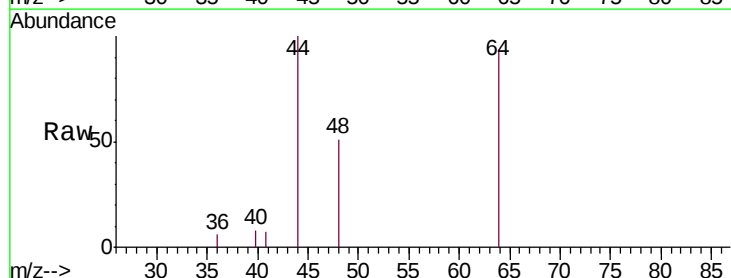
Acq: 10 Oct 2018 01:25

Tgt Ion: 64 Resp: 547

Ion Ratio Lower Upper

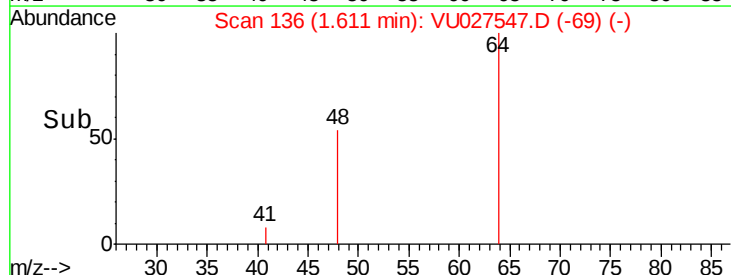
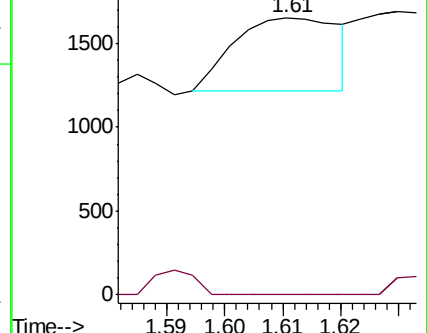
64 100

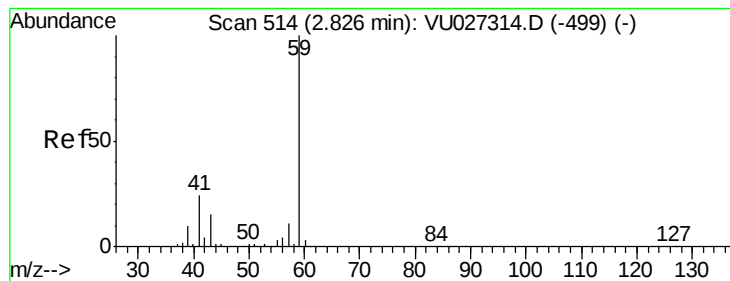
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)



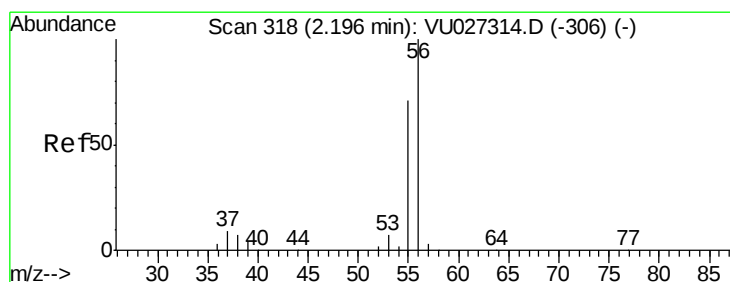
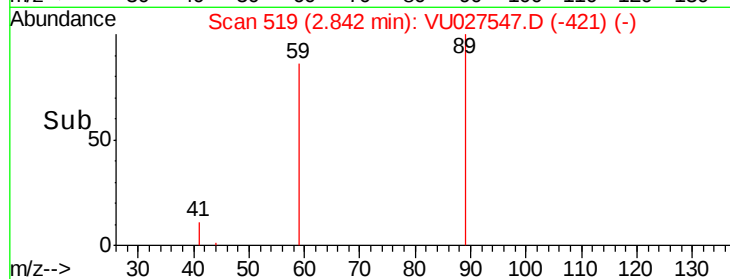
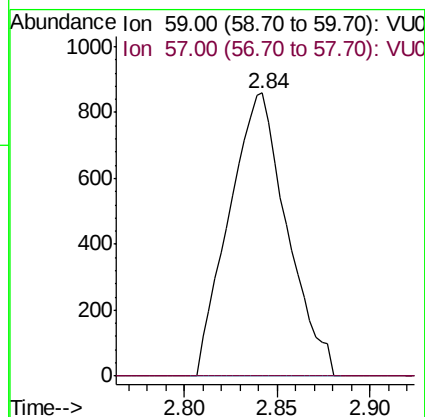
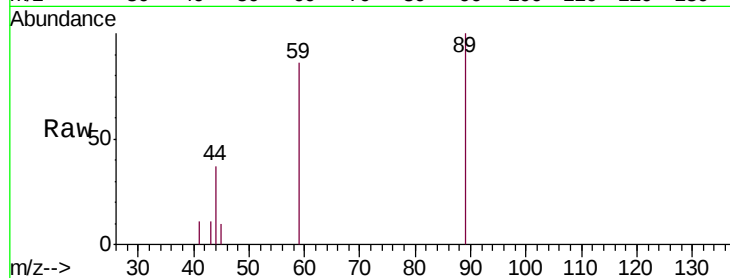


#11

Tert butyl alcohol
 Concen: 3.660 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.02 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

Instrument :
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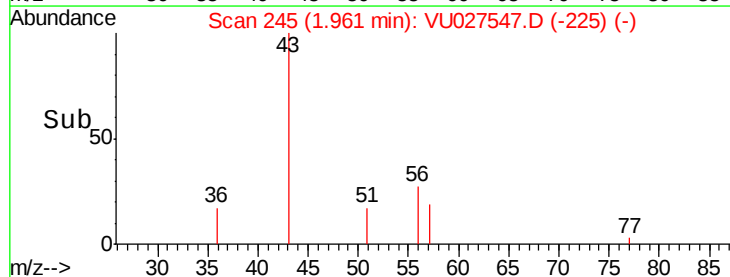
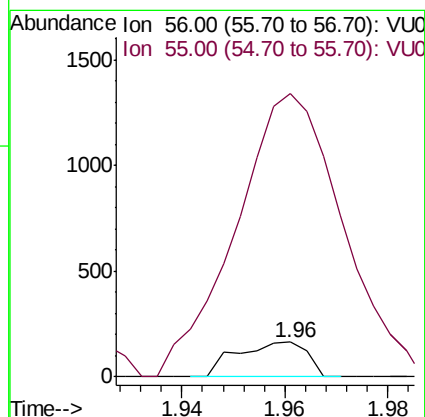
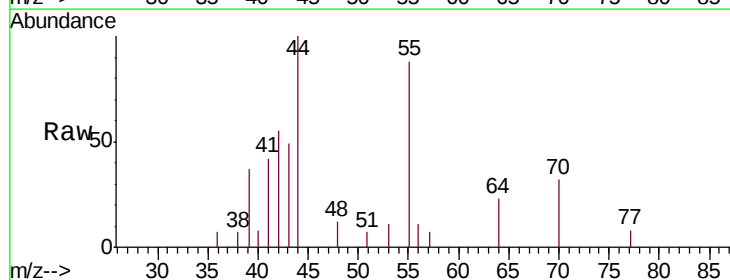
Tgt Ion: 59 Resp: 1869
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

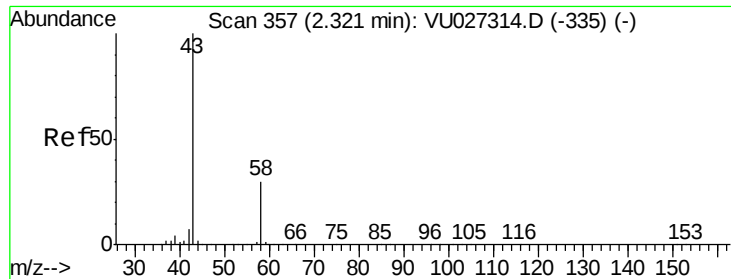


#13

Acrolein
 Concen: 0.359 ug/l
 RT: 1.96 min Scan# 245
 Delta R.T. -0.23 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

Tgt Ion: 56 Resp: 154
 Ion Ratio Lower Upper
 56 100
 55 1244.2 57.7 86.5#





#16

Acetone

Concen: 9.103 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027547.D

Acq: 10 Oct 2018 01:25

Instrument :

MSVOA_U

ClientSampleId :

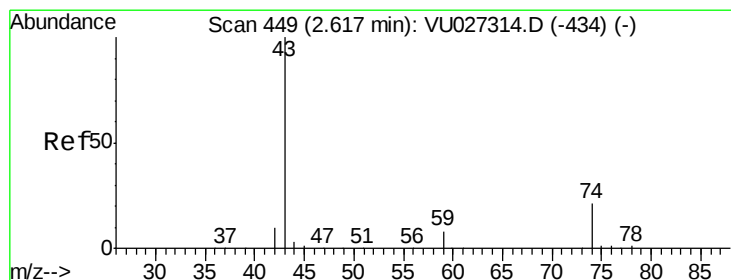
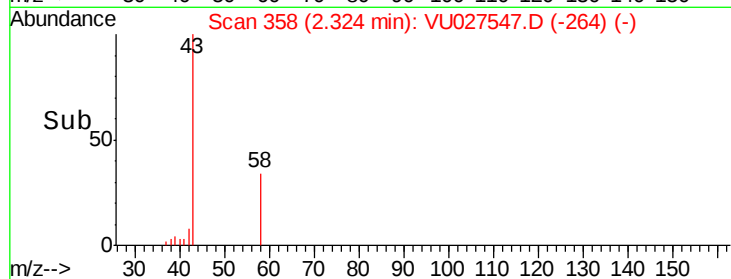
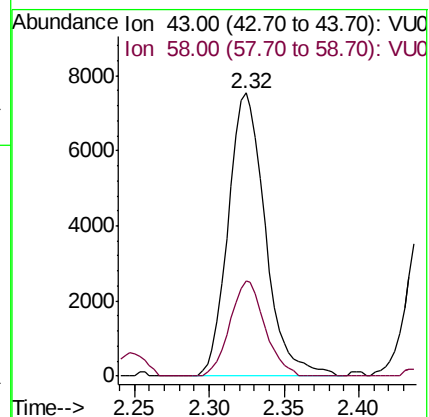
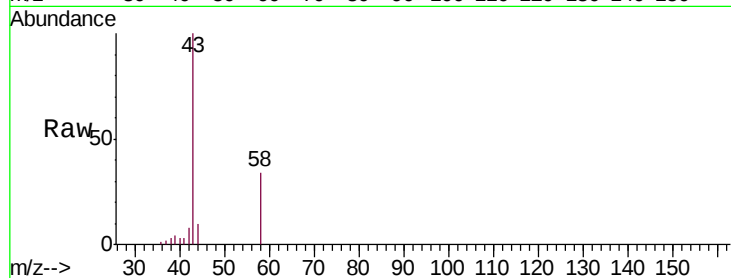
TW-3

Tgt Ion: 43 Resp: 13039

Ion Ratio Lower Upper

43 100

58 33.6 24.2 36.4



#18

Methyl Acetate

Concen: 0.214 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027547.D

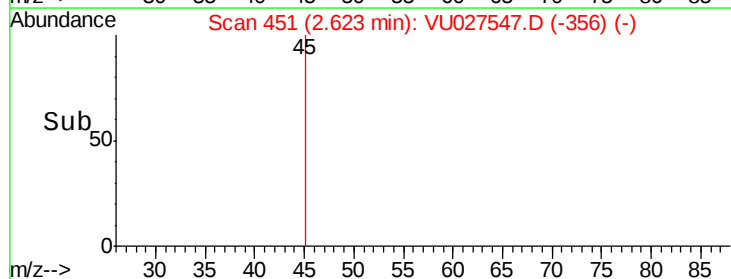
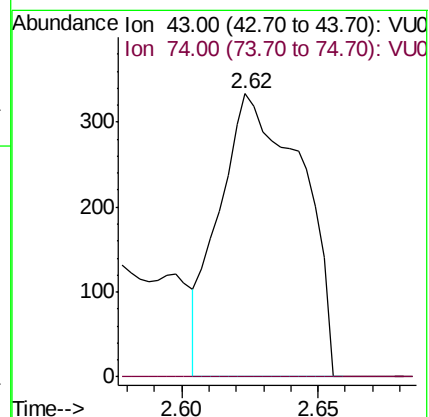
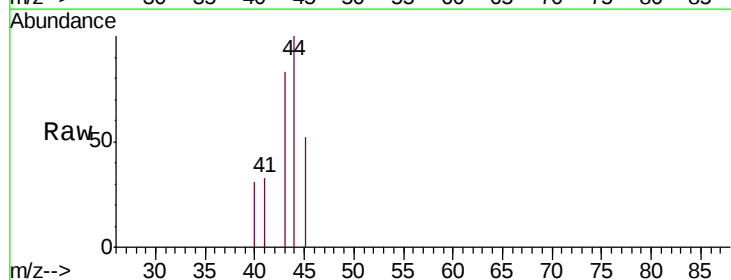
Acq: 10 Oct 2018 01:25

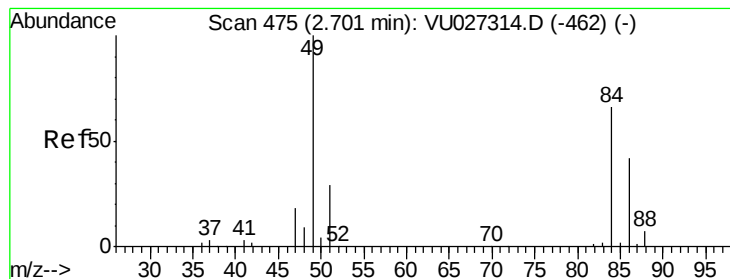
Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#





#20

Methylene Chloride

Concen: 0.239 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027547.D

Acq: 10 Oct 2018 01:25

Instrument :

MSVOA_U

ClientSampleId :

TW-3

Tgt Ion: 84 Resp: 476

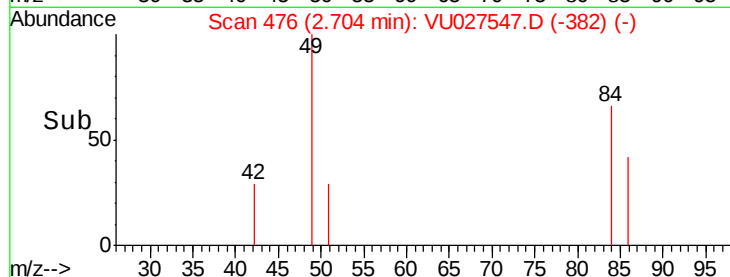
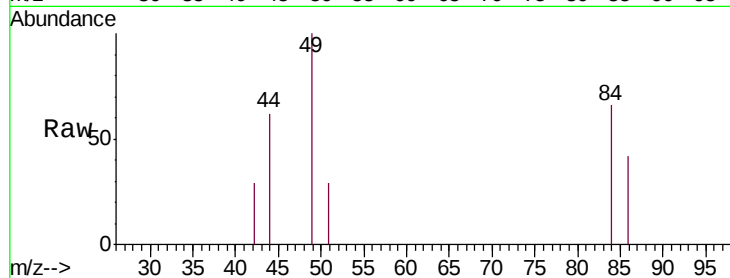
Ion Ratio Lower Upper

84 100

49 151.4 120.5 180.7

51 43.9 35.1 52.7

86 63.2 50.5 75.7

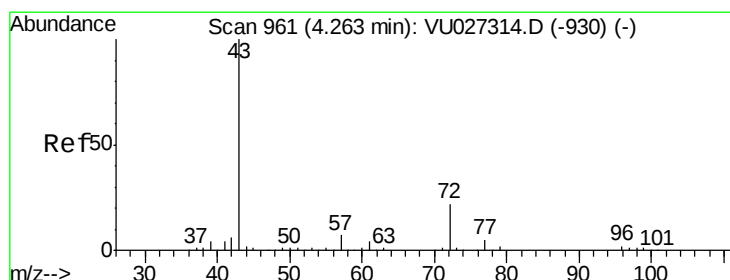
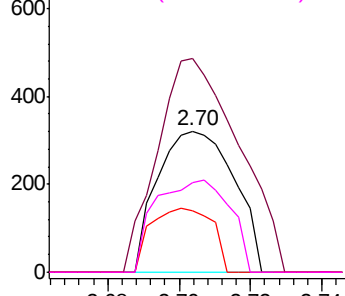


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 0.986 ug/l

RT: 4.29 min Scan# 968

Delta R.T. 0.02 min

Lab File: VU027547.D

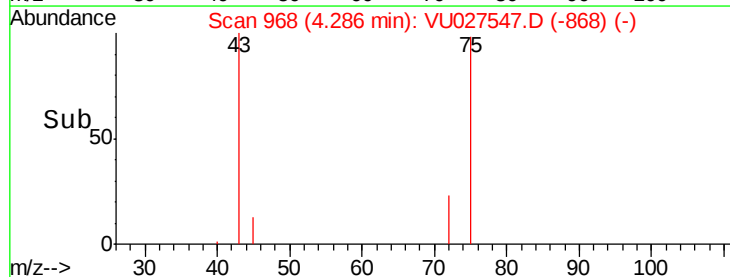
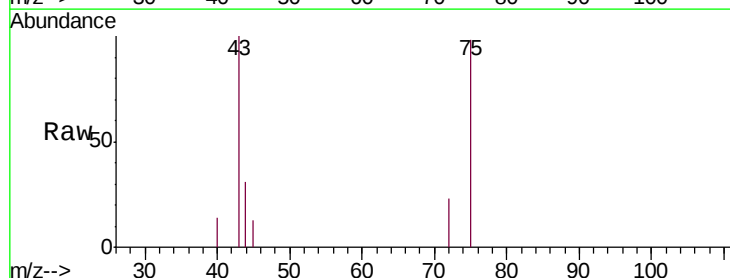
Acq: 10 Oct 2018 01:25

Tgt Ion: 43 Resp: 1925

Ion Ratio Lower Upper

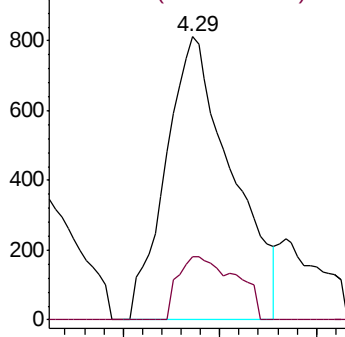
43 100

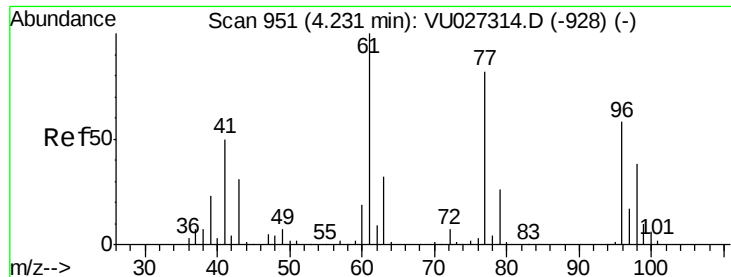
72 22.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

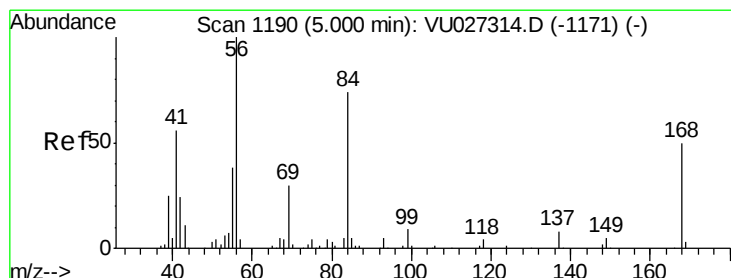
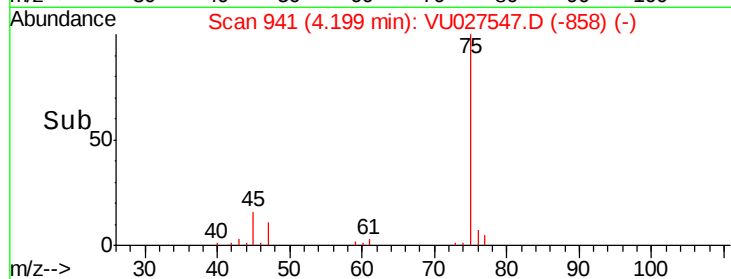
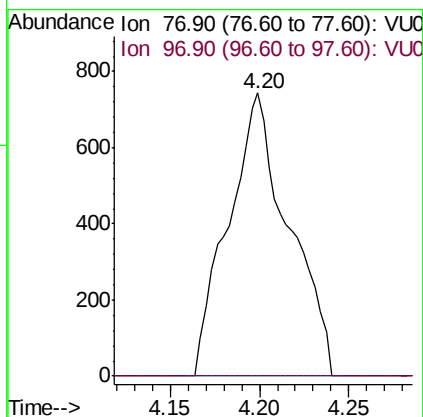
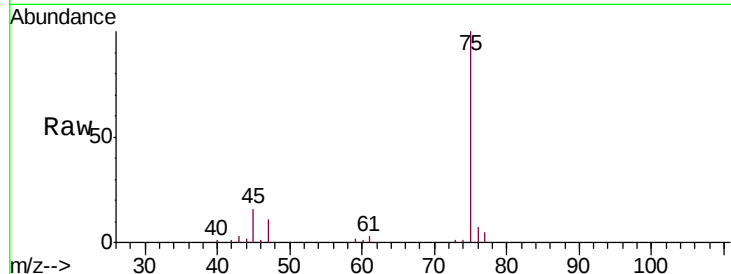




#26
 2,2-Dichloropropane
 Concen: 0.560 ug/l
 RT: 4.20 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

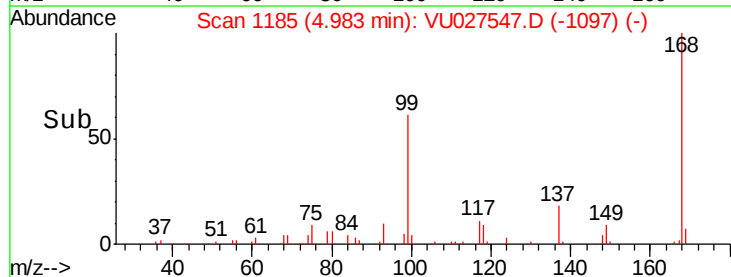
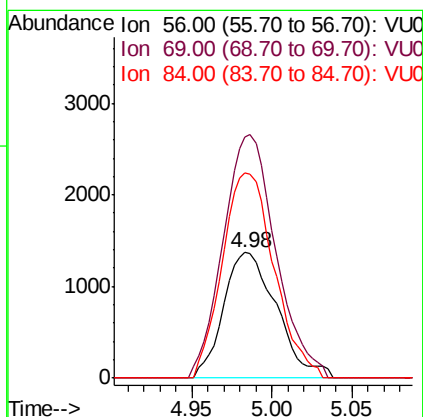
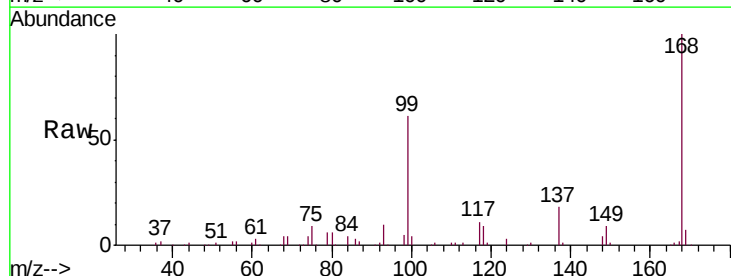
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-3

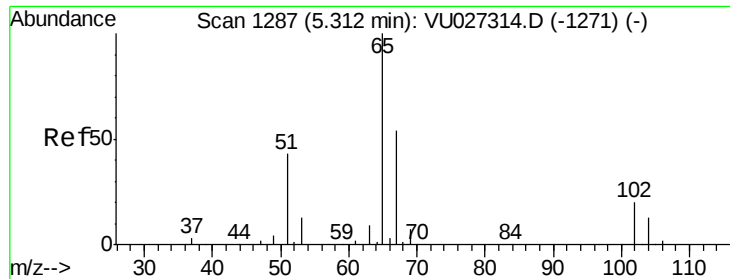
Tgt Ion: 77 Resp: 1751
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.4 31.1#



#31
 Cyclohexane
 Concen: 0.564 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

Tgt Ion: 56 Resp: 3108
 Ion Ratio Lower Upper
 56 100
 69 192.2 24.1 36.1#
 84 164.0 59.1 88.7#

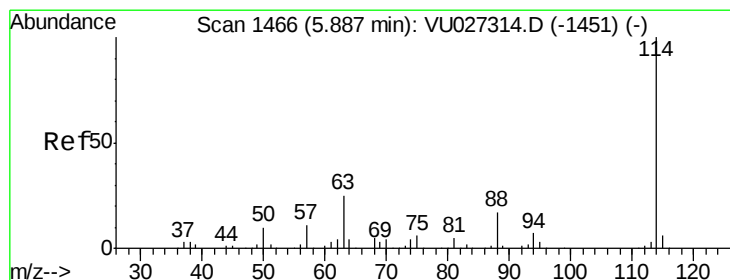
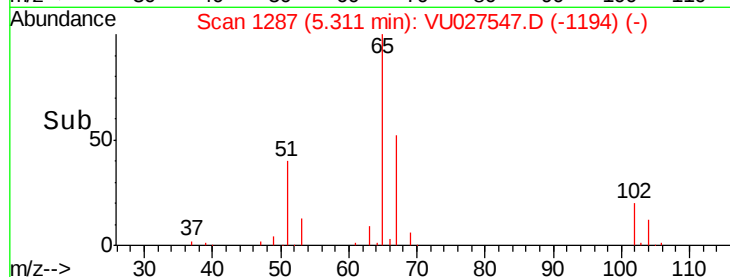
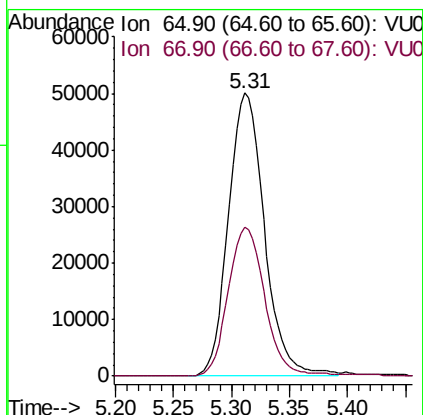
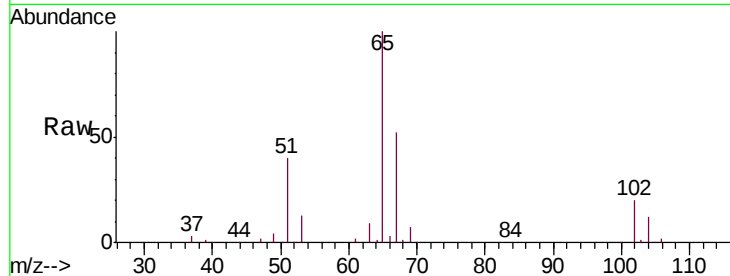




#33
 1,2-Dichloroethane-d4
 Concen: 44.546 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

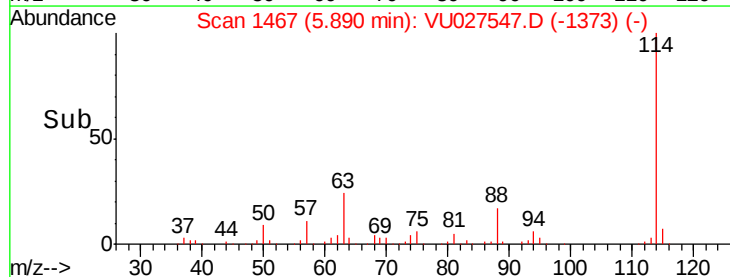
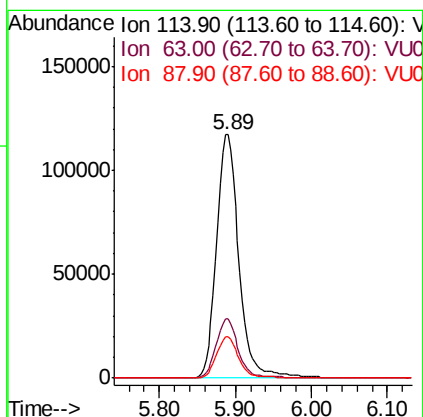
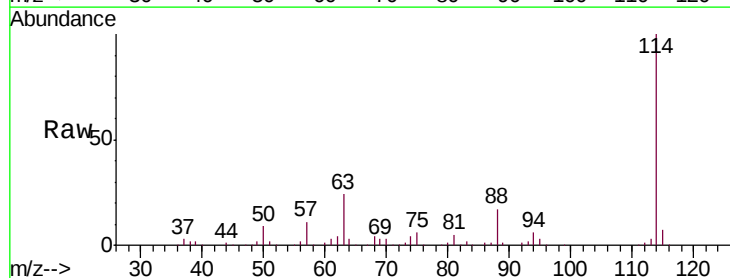
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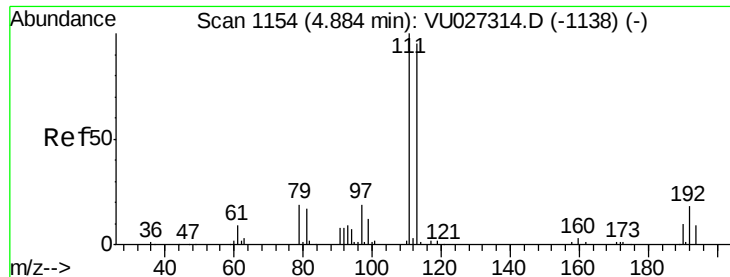
Tgt Ion: 65 Resp: 108009
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

Tgt Ion: 114 Resp: 239669
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.2
 88 17.1 0.0 33.8

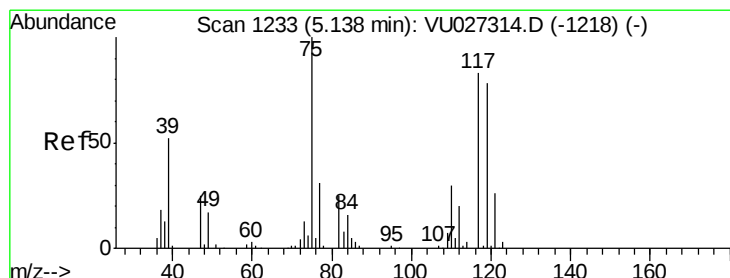
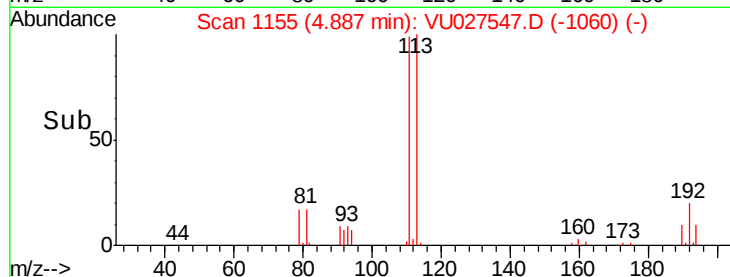
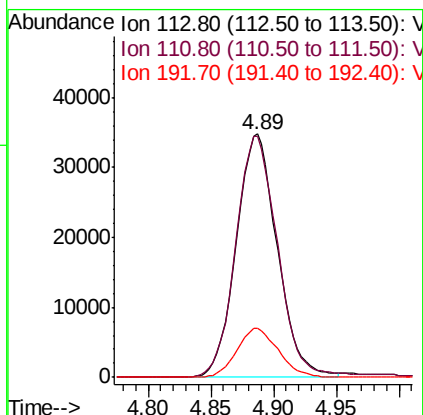
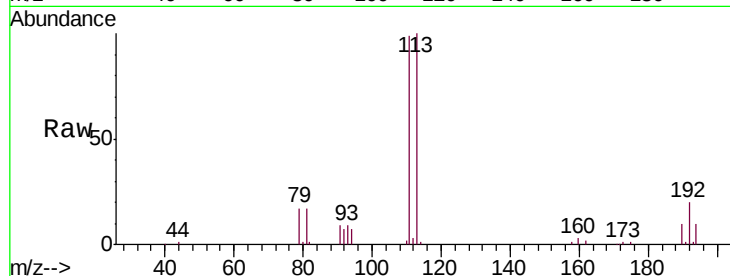




#35
 Dibromofluoromethane
 Concen: 48.164 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

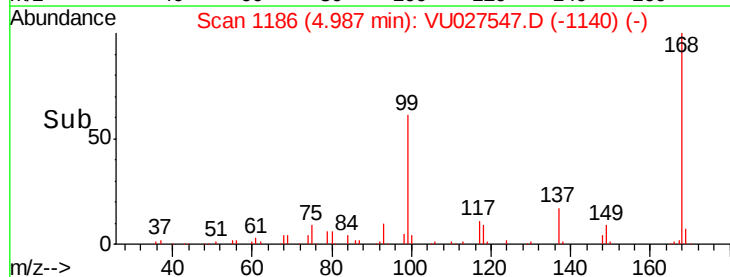
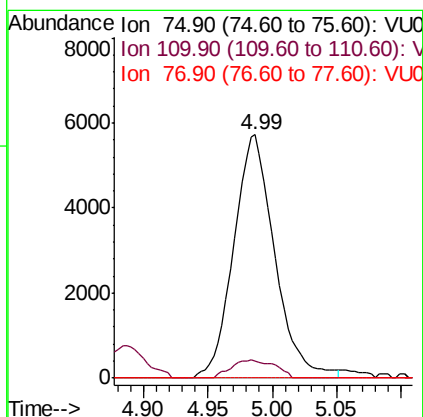
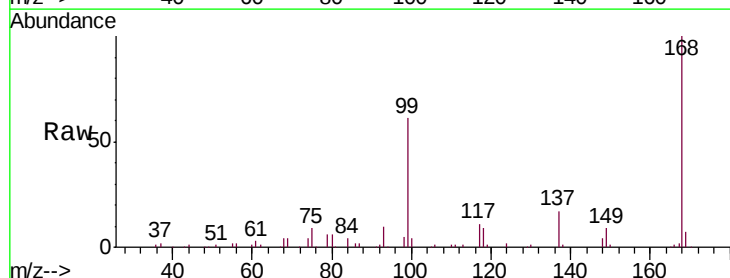
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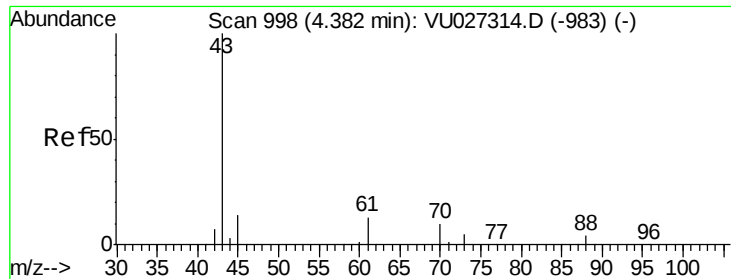
Tgt Ion:113 Resp: 79111
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.1 124.7
 192 20.3 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

Tgt Ion: 75 Resp: 12683
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.5 46.5#
 77 0.0 25.4 38.0#

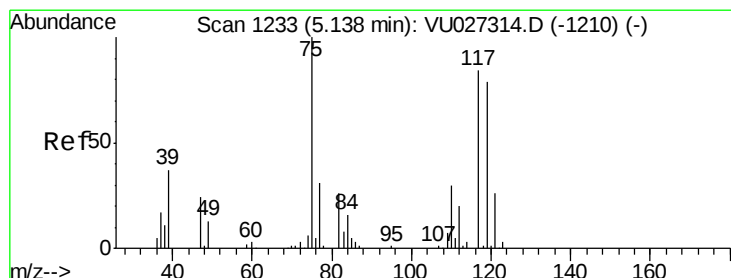
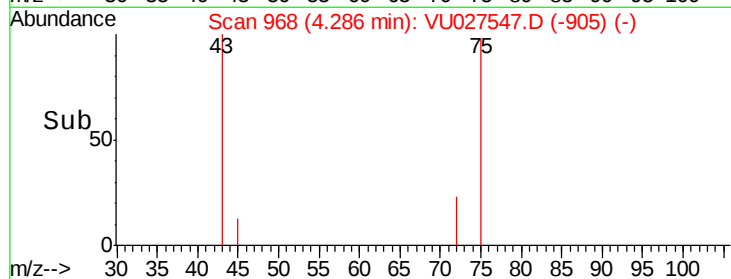
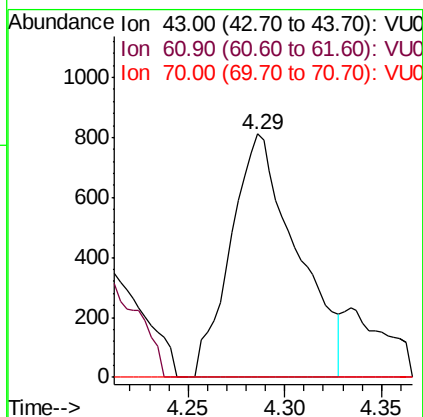
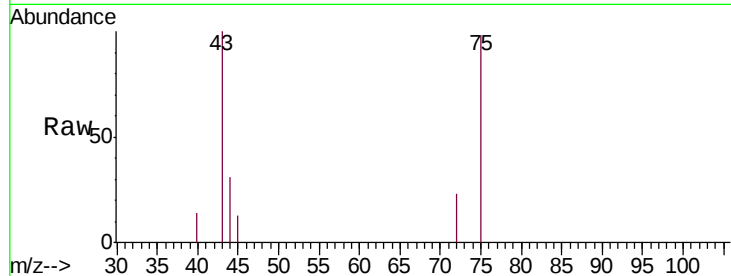




#37
Ethyl Acetate
Concen: 0.572 ug/l
RT: 4.29 min Scan# 968
Delta R.T. -0.10 min
Lab File: VU027547.D
Acq: 10 Oct 2018 01:25

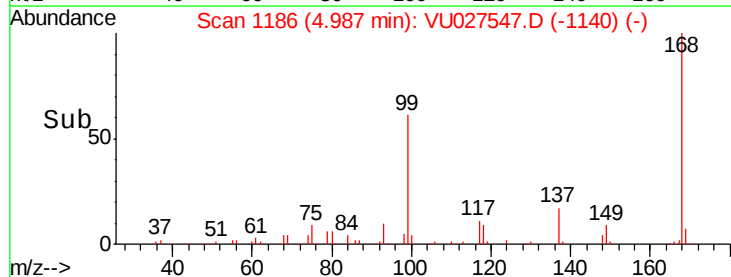
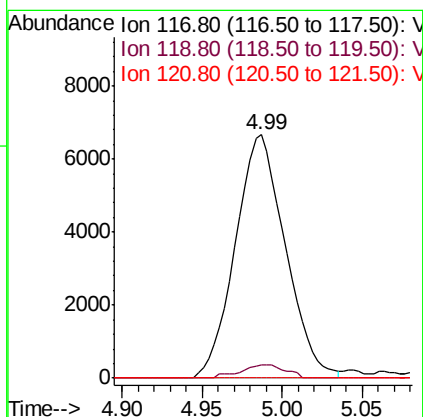
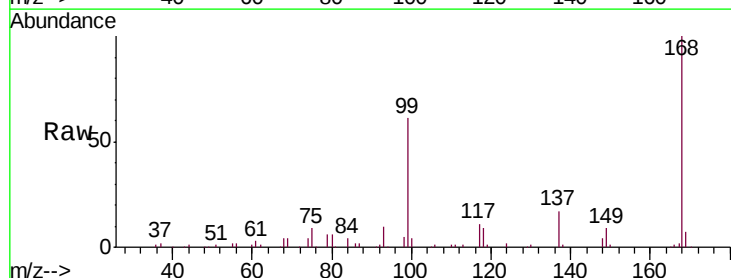
Instrument :
MSVOA_U
ClientSampled :
TW-3

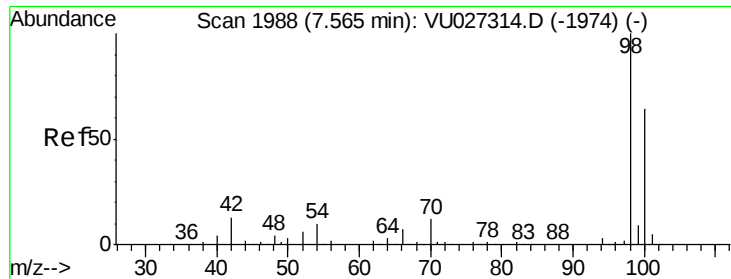
Tgt Ion: 43 Resp: 1925
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 6.063 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027547.D
Acq: 10 Oct 2018 01:25

Tgt Ion: 117 Resp: 14252
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.6 37.0#

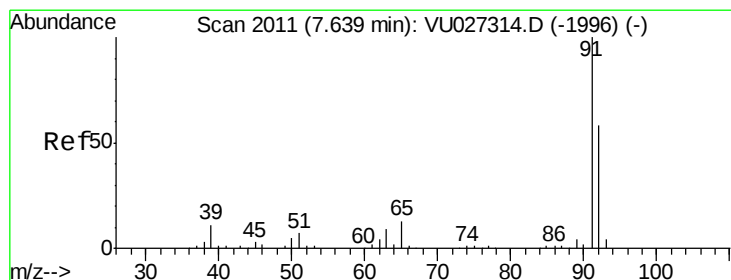
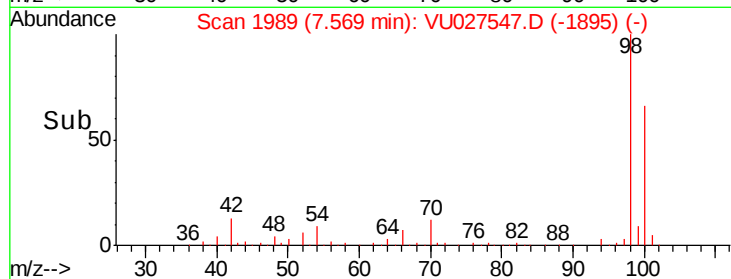
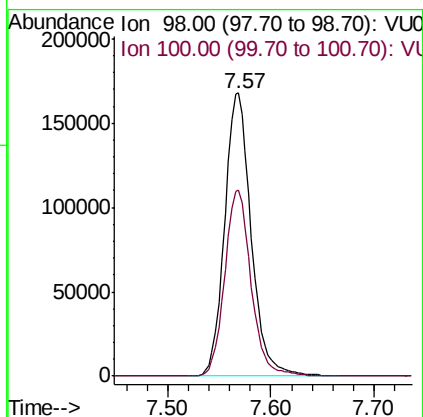
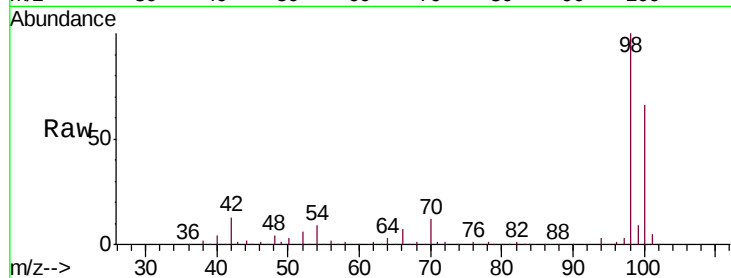




#50
Toluene-d8
Concen: 48.842 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027547.D
Acq: 10 Oct 2018 01:25

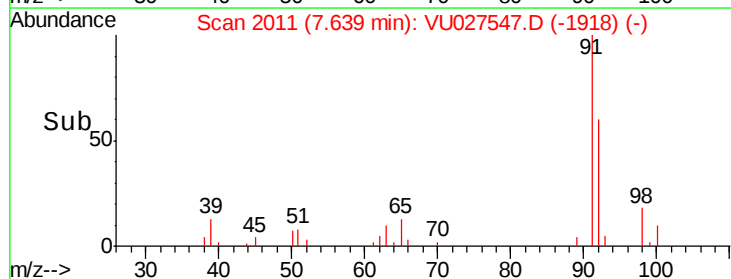
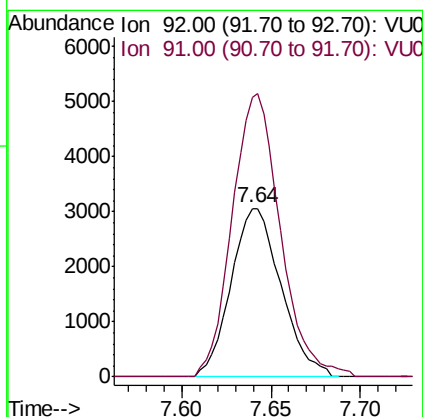
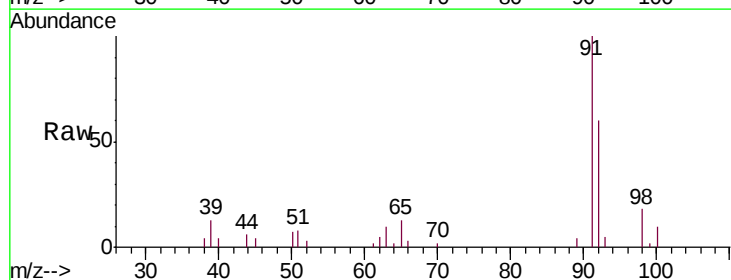
Instrument :
MSVOA_U
ClientSampleId :
TW-3

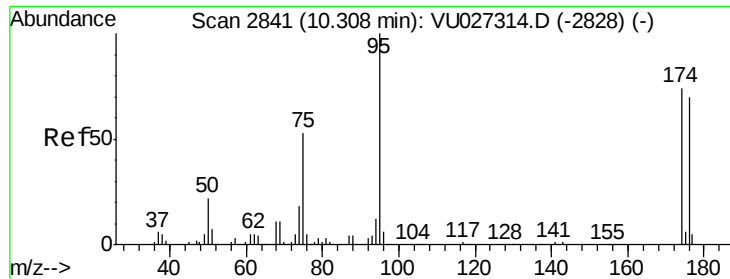
Tgt Ion: 98 Resp: 300253
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#52
Toluene
Concen: 1.333 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU027547.D
Acq: 10 Oct 2018 01:25

Tgt Ion: 92 Resp: 5979
Ion Ratio Lower Upper
92 100
91 162.5 138.6 208.0





#62

4-Bromofluorobenzene

Concen: 42.970 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027547.D

Acq: 10 Oct 2018 01:25

Instrument :

MSVOA_U

ClientSampleId :

TW-3

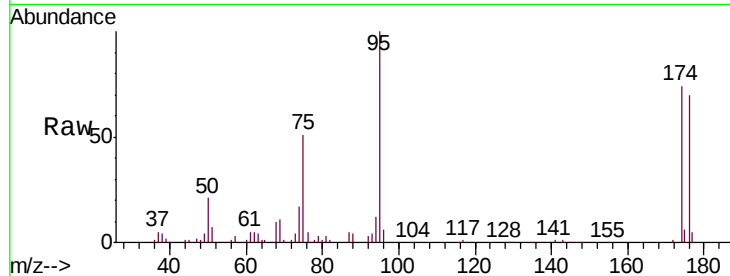
Tgt Ion: 95 Resp: 98170

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.8

176 72.4 0.0 140.8

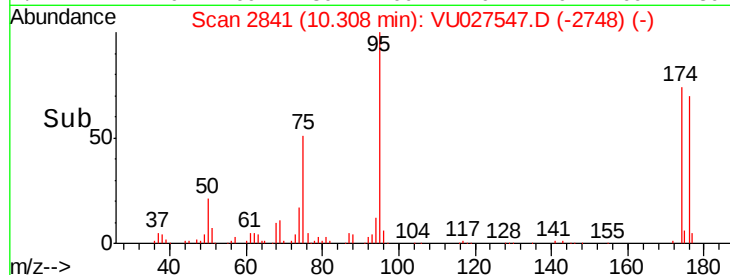


Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

Time-->

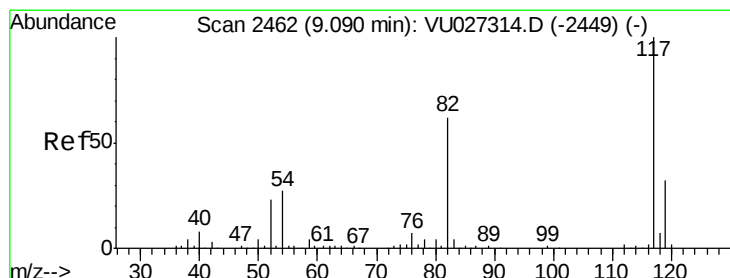


Abundance Ion 94.90 (94.60 to 95.60): VU027547.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027547.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027547.D (-2748) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027547.D

Acq: 10 Oct 2018 01:25

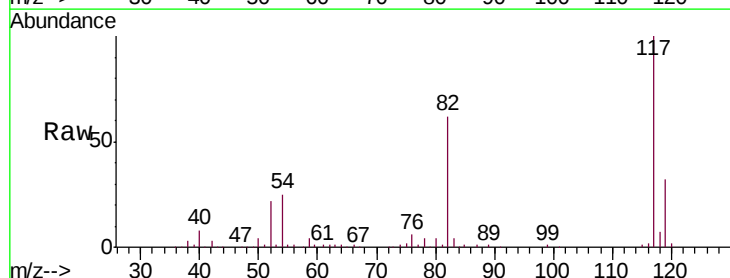
Tgt Ion: 117 Resp: 208608

Ion Ratio Lower Upper

117 100

82 61.7 49.2 73.8

119 32.1 25.7 38.5

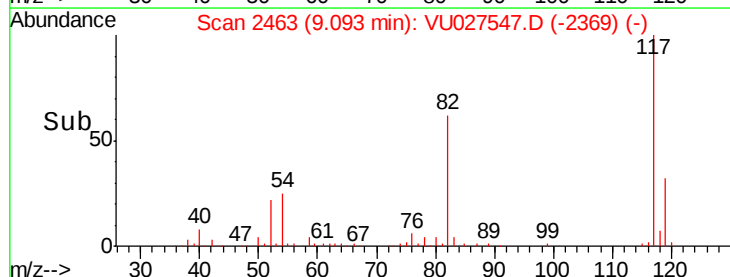


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)

Time-->

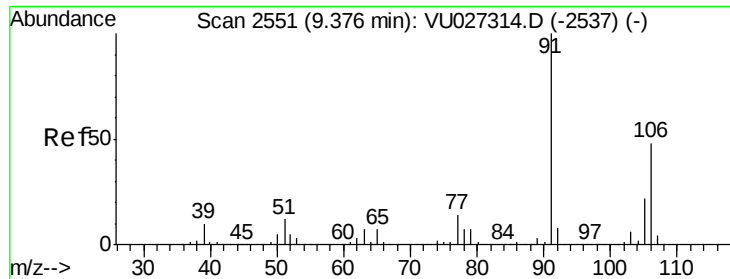


Abundance Ion 116.90 (116.60 to 117.60): VU027547.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU027547.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU027547.D (-2369) (-)

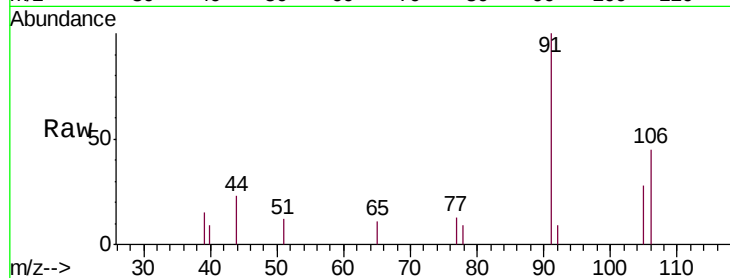
Time-->



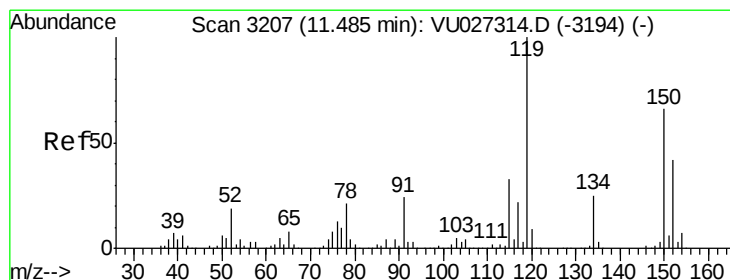
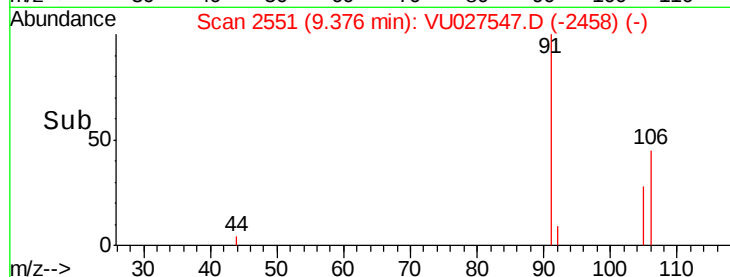
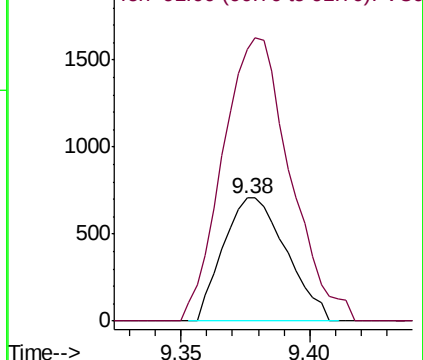
#68
m/p-Xylenes
Concen: 0.424 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027547.D
Acq: 10 Oct 2018 01:25

Instrument :
MSVOA_U
ClientSampleId :
TW-3

Tgt Ion:106 Resp: 1207
Ion Ratio Lower Upper
106 100
91 246.3 168.1 252.1

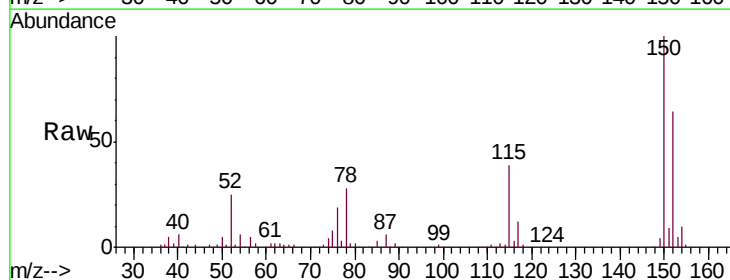


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

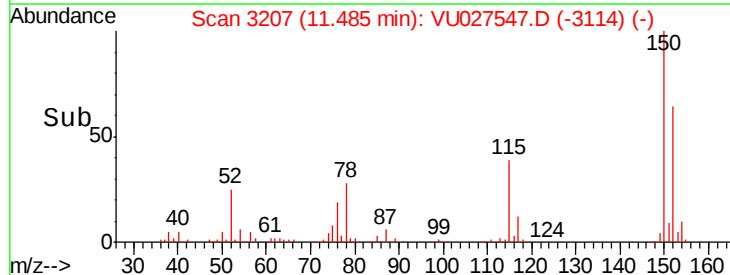
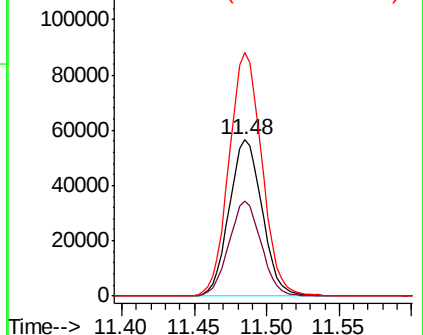


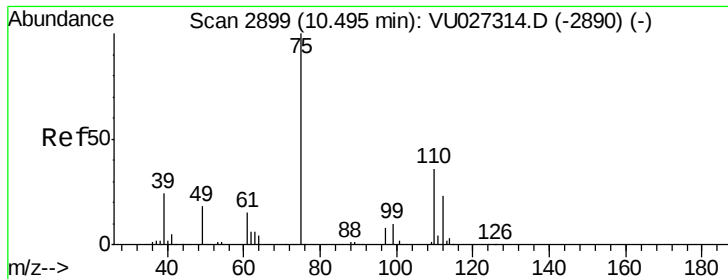
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027547.D
Acq: 10 Oct 2018 01:25

Tgt Ion:152 Resp: 89392
Ion Ratio Lower Upper
152 100
115 59.8 43.4 130.2
150 155.8 0.0 349.2



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: 21.920 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027547.D

Acq: 10 Oct 2018 01:25

Instrument :

MSVOA_U

ClientSampleId :

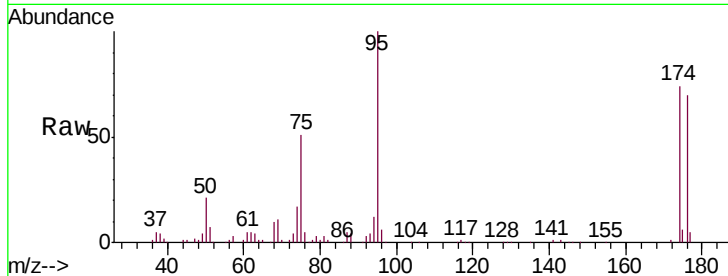
TW-3

Tgt Ion: 75 Resp: 50794

Ion Ratio Lower Upper

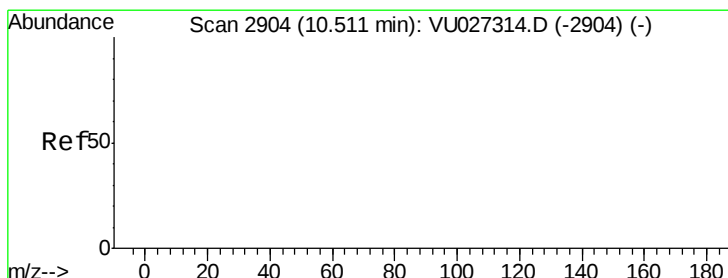
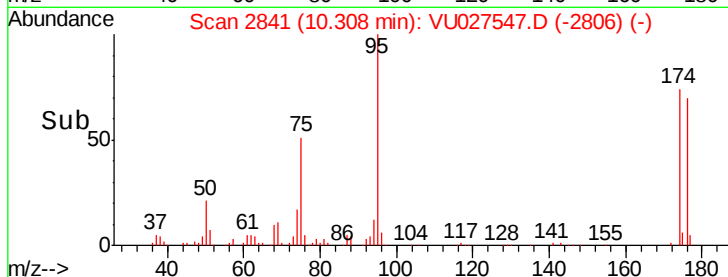
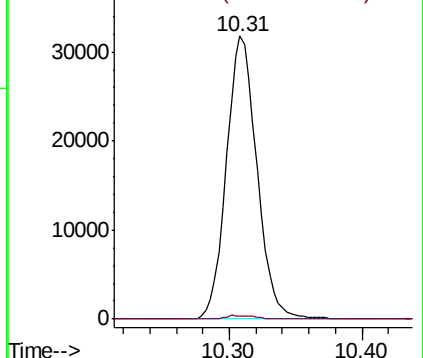
75 100

77 0.6 20.3 60.9#



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: 57.367 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027547.D

Acq: 10 Oct 2018 01:25

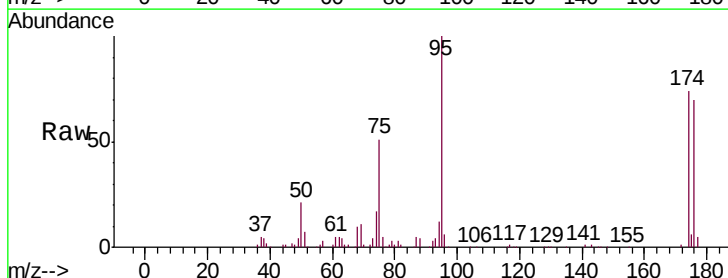
Tgt Ion: 75 Resp: 50794

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

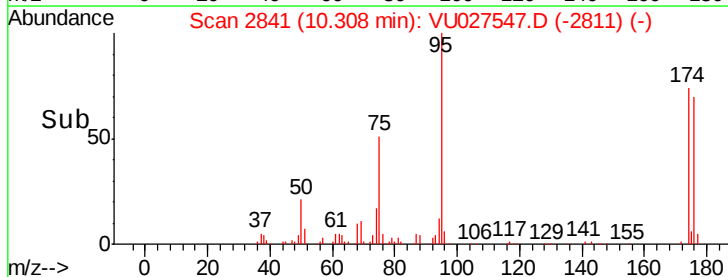
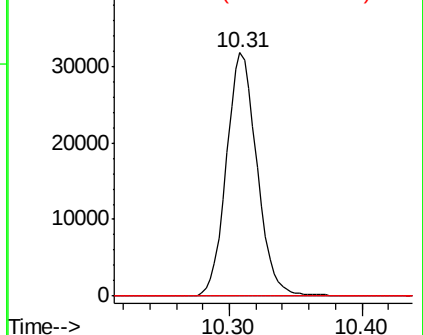
89 0.0 0.0 0.0

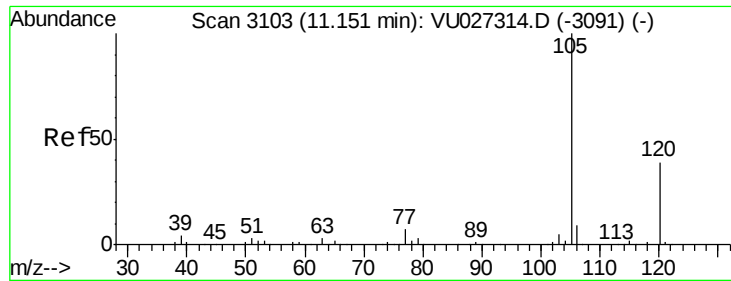


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

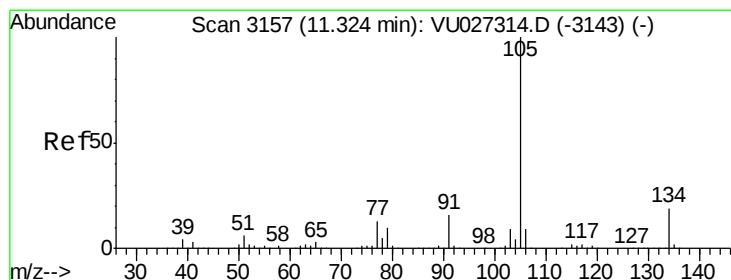
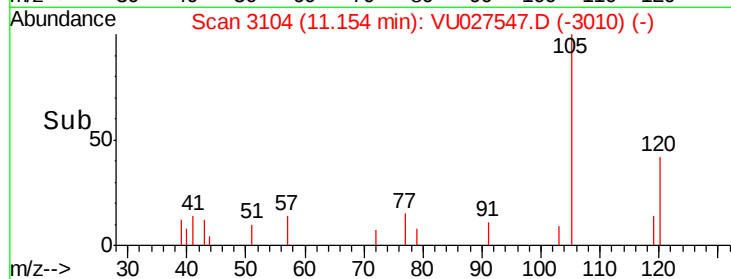
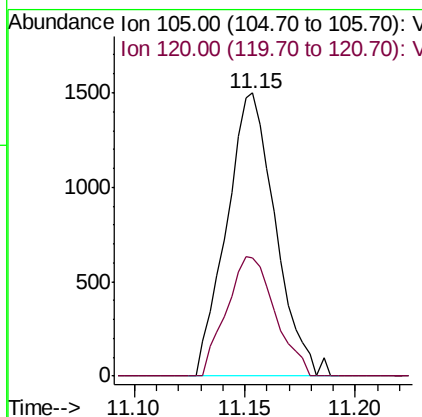
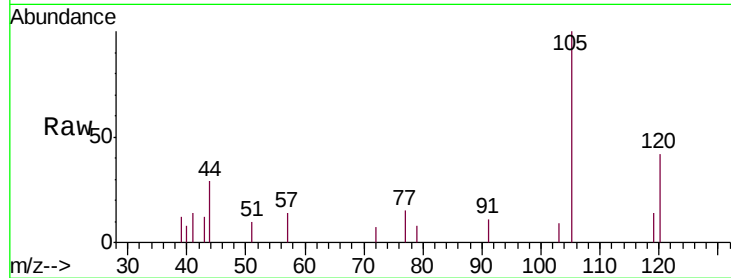




#84
 1,2,4-Trimethylbenzene
 Concen: 0.426 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

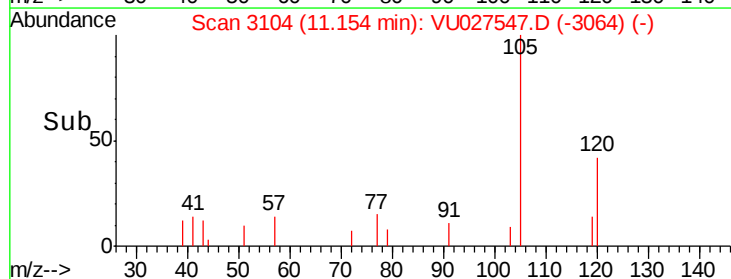
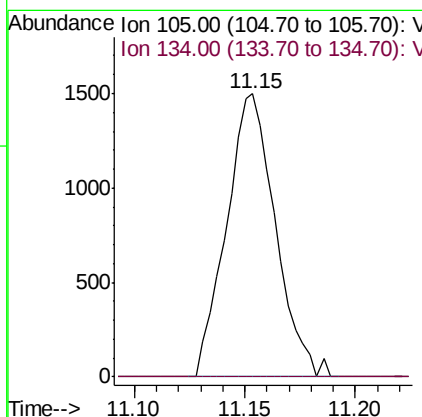
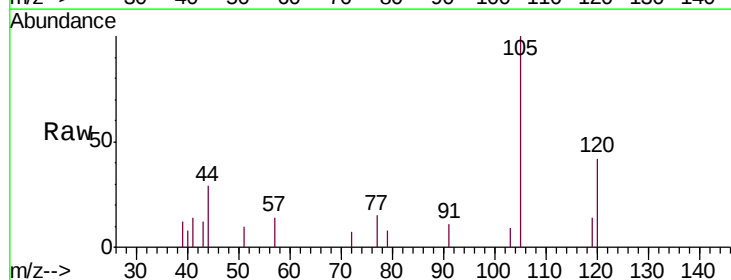
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-3

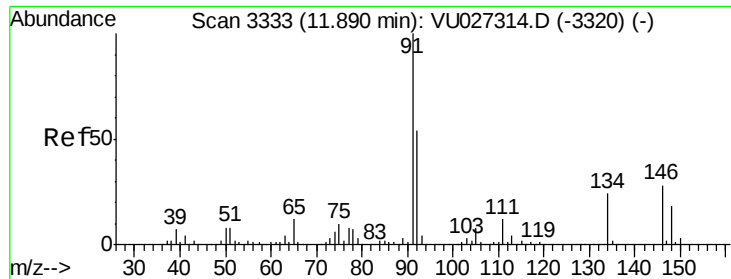
Tgt Ion:105 Resp: 2299
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 0.357 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. -0.17 min
 Lab File: VU027547.D
 Acq: 10 Oct 2018 01:25

Tgt Ion:105 Resp: 2299
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#





#89

n-Butylbenzene

Concen: 1.953 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU027547.D

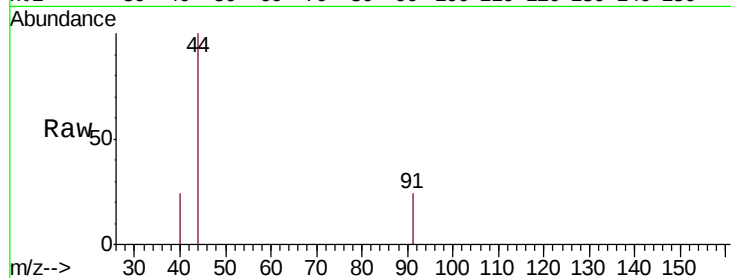
Acq: 10 Oct 2018 01:25

Instrument :

MSVOA_U

ClientSampleId :

TW-3



Tgt Ion:	91	Resp:	20
Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.0	81.0#
134	0.0	11.7	35.1#

