

Data File : VU027546.D
Acq On : 10 Oct 2018 01:02
Operator : MD/SY
Sample : J5302-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TW-2

Quant Time: Oct 10 06:03:16 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	142459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	239966	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	212709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92414	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	106844	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
35) Dibromofluoromethane	4.89	113	78749	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	7.57	98	298011	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	10.31	95	100490	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

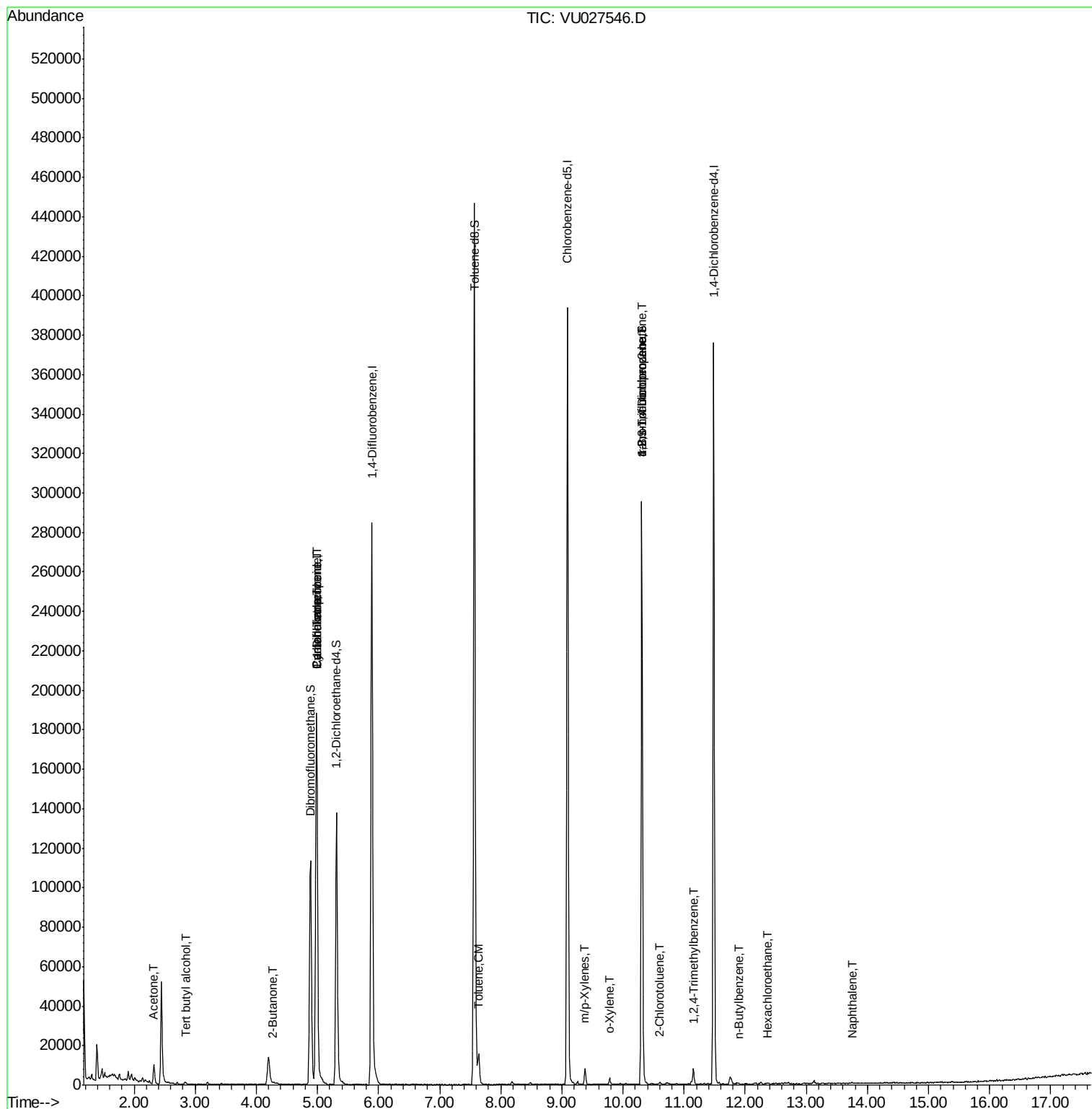
Target Compounds						Qvalue
11) Tert butyl alcohol	2.84	59	1232	2.459	ug/l #	72
16) Acetone	2.33	43	10708	7.620	ug/l	99
25) 2-Butanone	4.28	43	562	0.293	ug/l #	54
31) Cyclohexane	4.99	56	3143	0.589	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12902	4.952	ug/l #	49
38) Carbon Tetrachloride	4.99	117	13746	5.840	ug/l #	17
52) Toluene	7.64	92	6307	1.404	ug/l	98
68) m/p-Xylenes	9.38	106	2453	0.845	ug/l	89
69) o-Xylene	9.78	106	900	0.326	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	51733	21.595	ug/l #	37
79) 2-Chlorotoluene	10.59	91	1026	0.211	ug/l #	43
81) trans-1,4-Dichloro-2-buten	10.31	75	51733	56.517	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	4549	0.815	ug/l	97
89) n-Butylbenzene	11.89	91	188	1.979	ug/l #	33
90) Hexachloroethane	12.36	117	434	0.404	ug/l #	12
95) Naphthalene	13.75	128	427	1.719	ug/l #	69

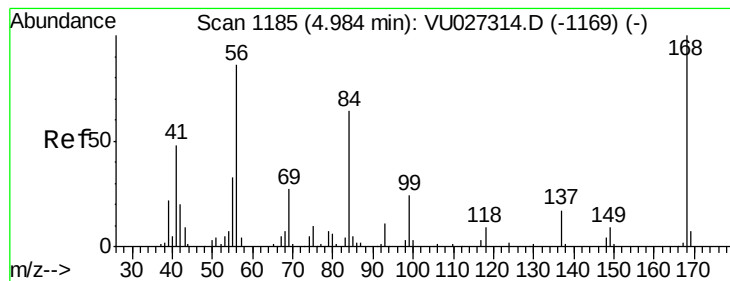
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA_U

ClientSampleId :

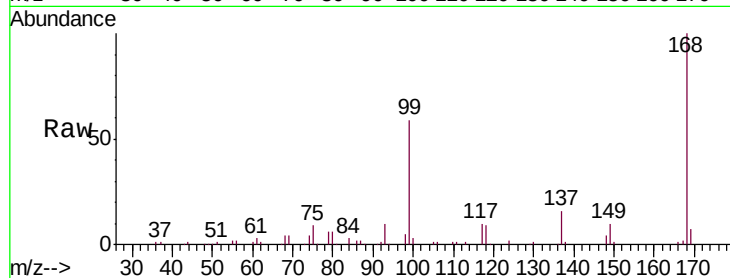
TW-2

Tgt Ion:168 Resp: 142459

Ion Ratio Lower Upper

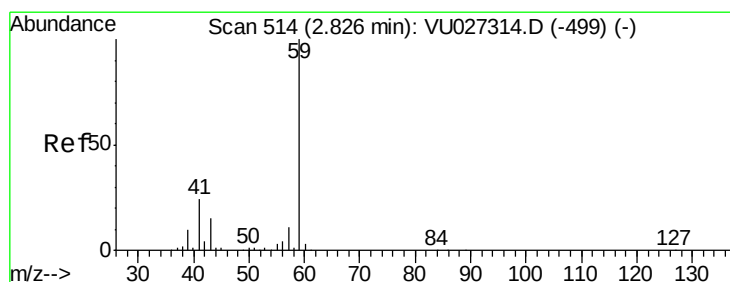
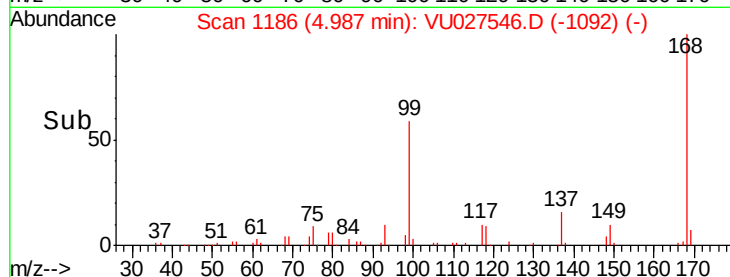
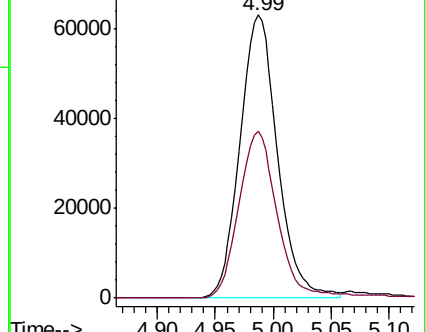
168 100

99 58.8 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) (-)



#11

Tert butyl alcohol

Concen: 2.459 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027546.D

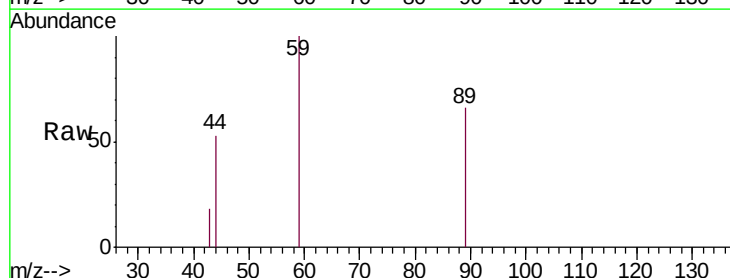
Acq: 10 Oct 2018 01:02

Tgt Ion: 59 Resp: 1232

Ion Ratio Lower Upper

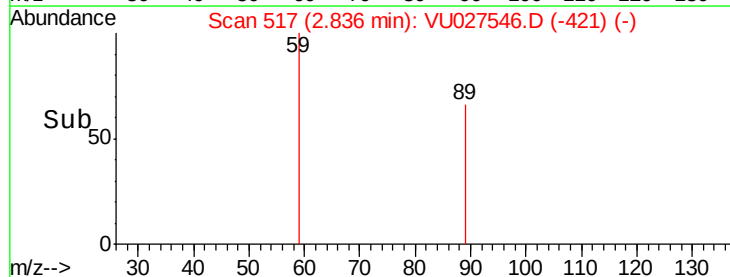
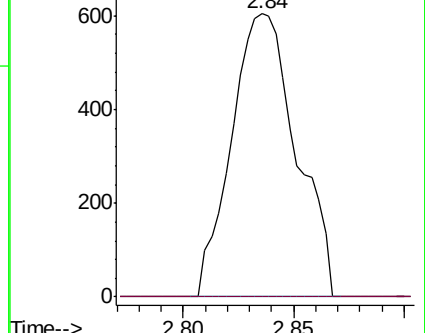
59 100

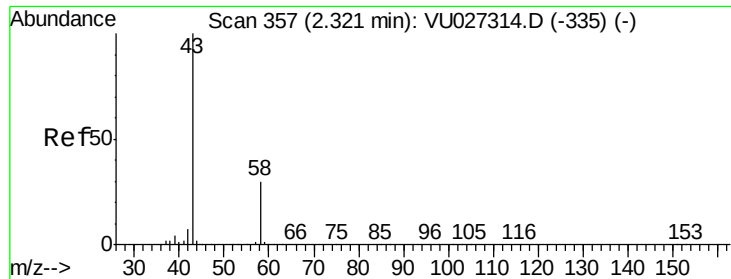
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)





#16

Acetone

Concen: 7.620 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA_U

ClientSampled :

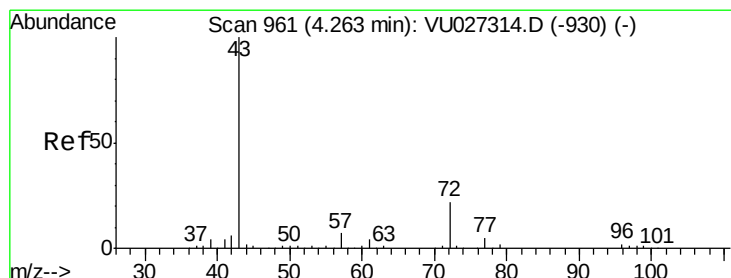
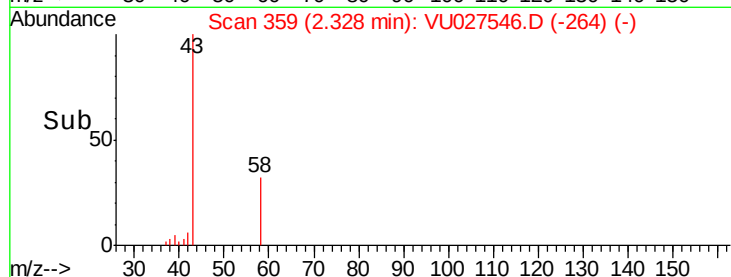
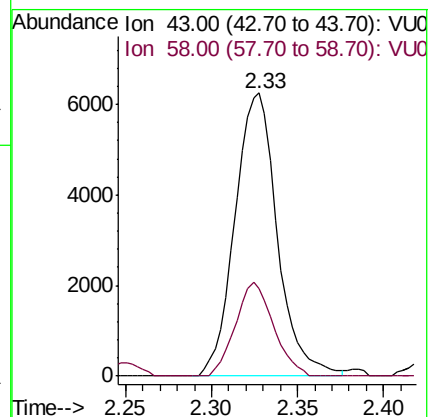
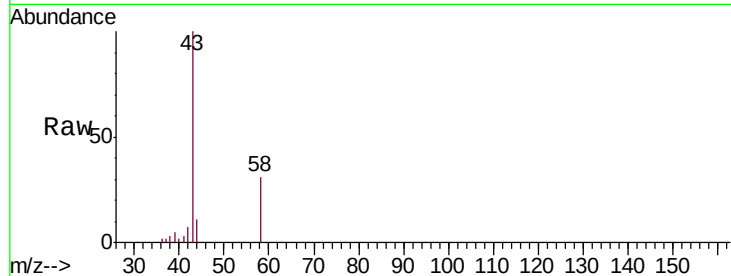
TW-2

Tgt Ion: 43 Resp: 10708

Ion Ratio Lower Upper

43 100

58 31.1 24.2 36.4



#25

2-Butanone

Concen: 0.293 ug/l

RT: 4.28 min Scan# 966

Delta R.T. 0.02 min

Lab File: VU027546.D

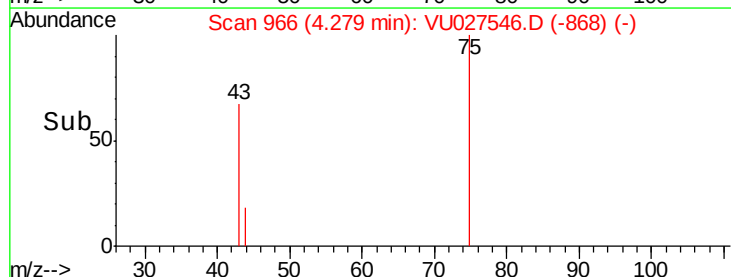
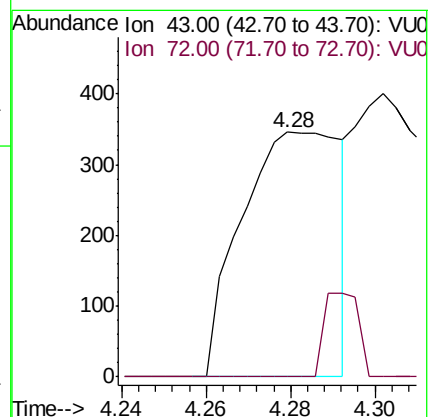
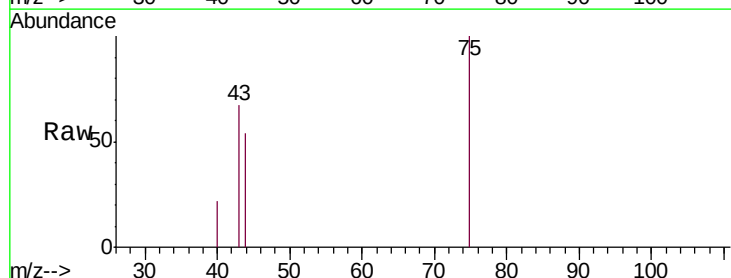
Acq: 10 Oct 2018 01:02

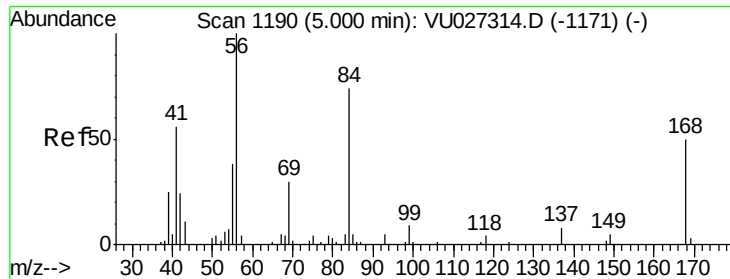
Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.6#

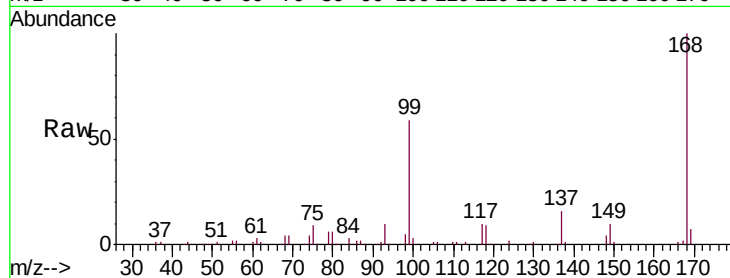




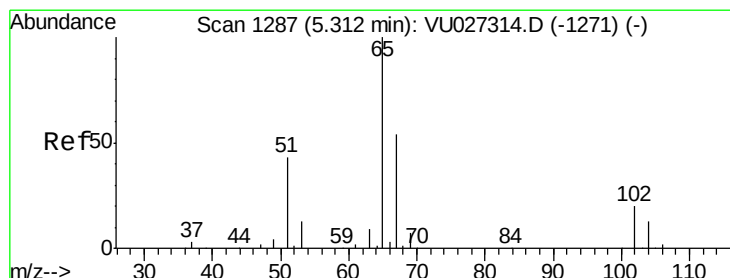
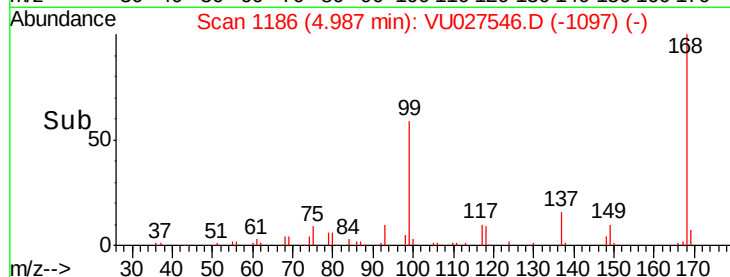
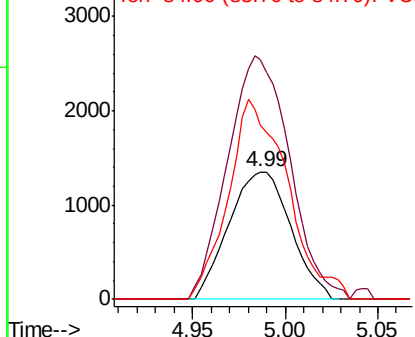
#31
Cyclohexane
Concen: 0.589 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Instrument :
MSVOA_U
ClientSampleId :
TW-2

Tgt Ion: 56 Resp: 3143
Ion Ratio Lower Upper
56 100
69 188.2 24.1 36.1#
84 137.3 59.1 88.7#

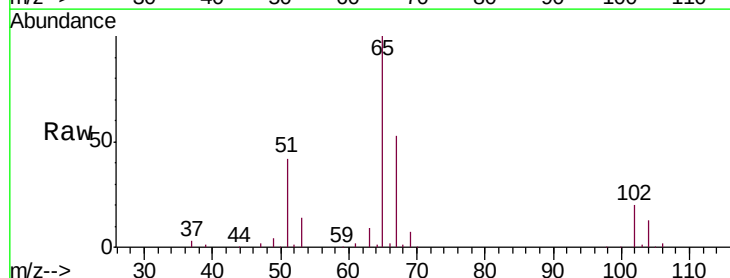


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

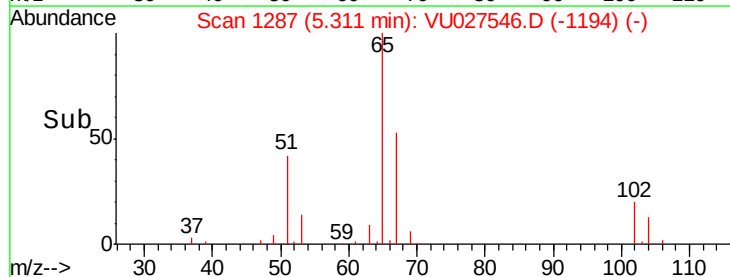
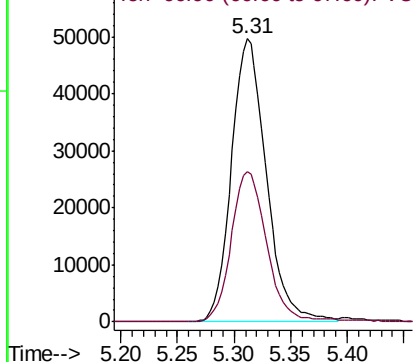


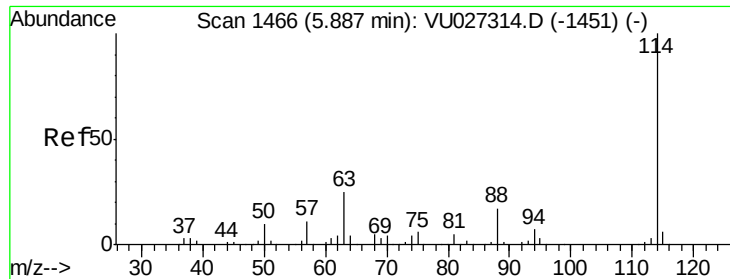
#33
1,2-Dichloroethane-d4
Concen: 44.915 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Tgt Ion: 65 Resp: 106844
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.8



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

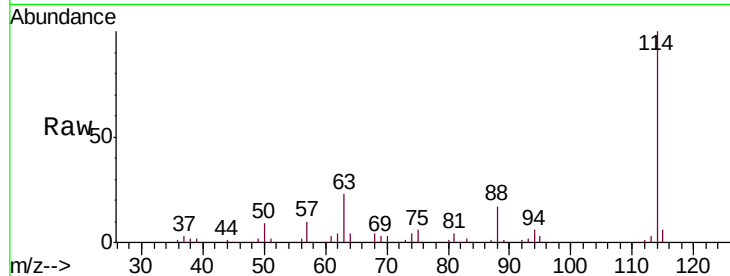




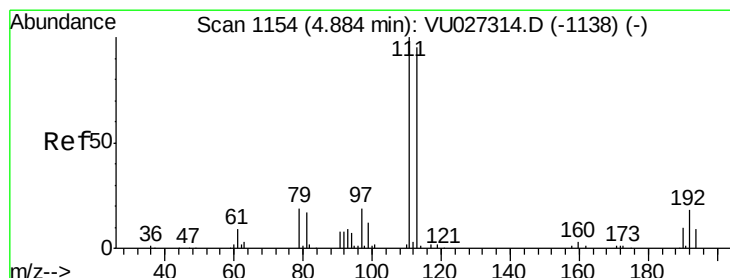
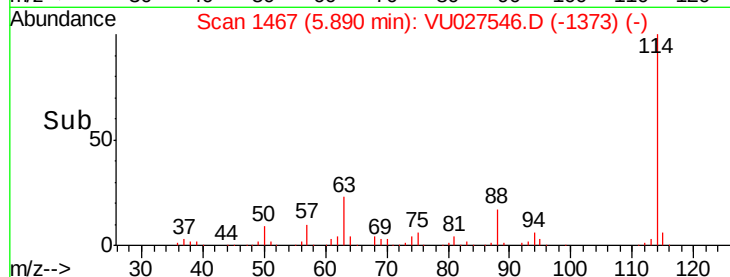
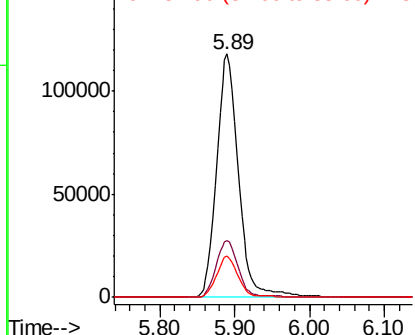
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-2

Tgt Ion:114 Resp: 239966
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 50.2
 88 16.8 0.0 33.8

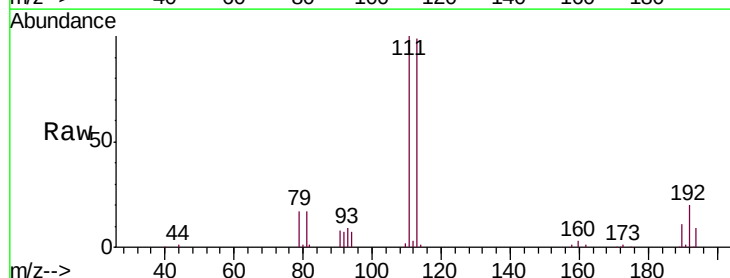


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

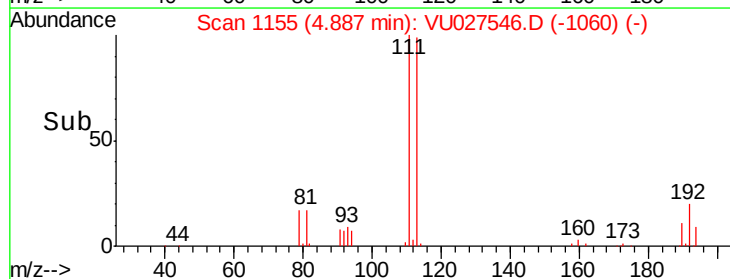
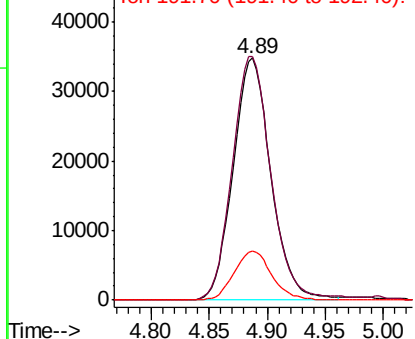


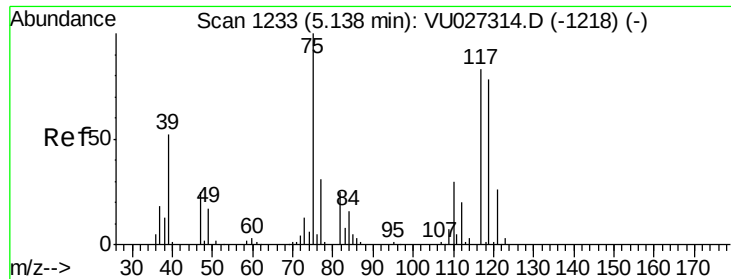
#35
 Dibromofluoromethane
 Concen: 47.885 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Tgt Ion:113 Resp: 78749
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.1 124.7
 192 20.2 15.4 23.0



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

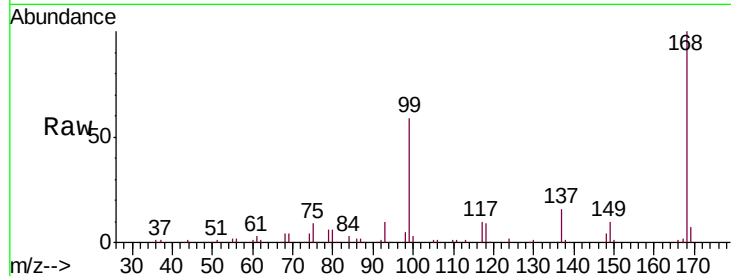




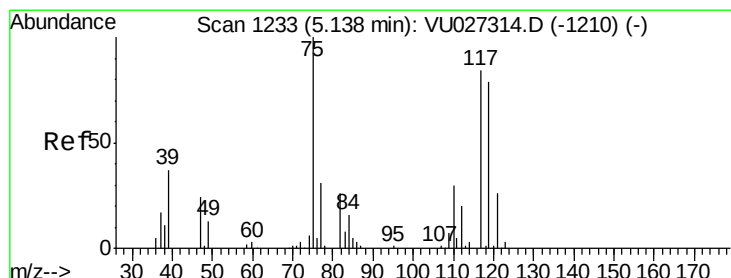
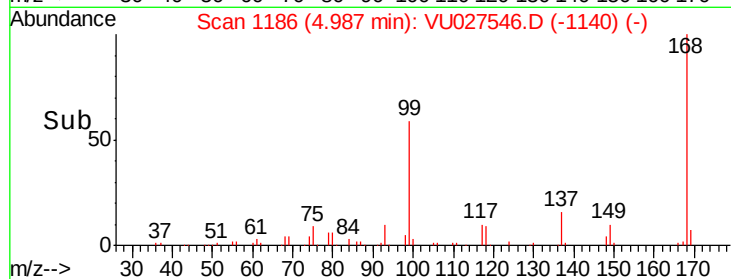
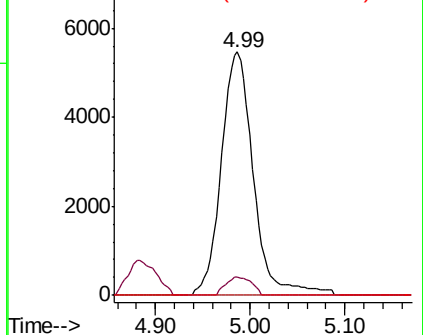
#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.1	15.5	46.5#
77	0.0	25.4	38.0#

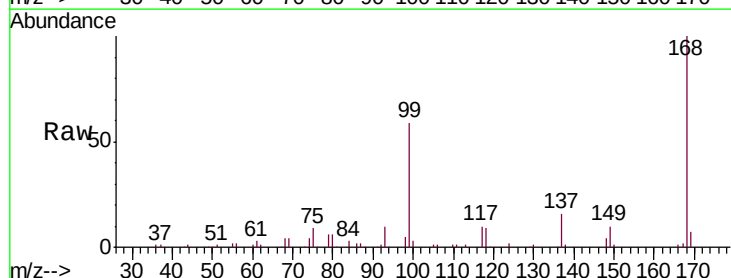


Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-1218) (-)
 Ion 109.90 (109.60 to 110.60): VU027314.D (-1218) (-)
 Ion 76.90 (76.60 to 77.60): VU027314.D (-1218) (-)

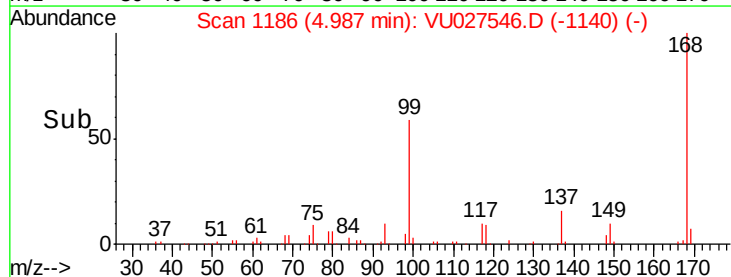
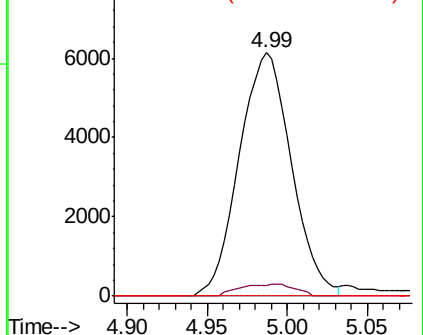


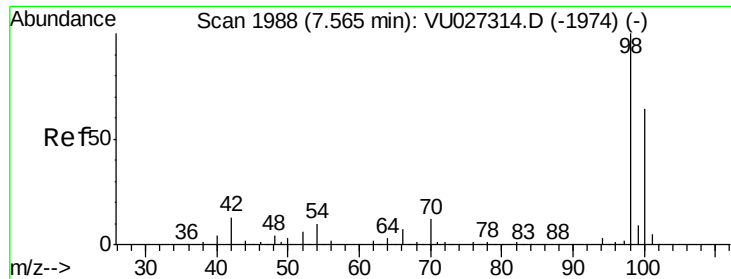
#38
 Carbon Tetrachloride
 Concen: 5.840 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	74.5	111.7#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): VU027314.D (-1210) (-)
 Ion 118.80 (118.50 to 119.50): VU027314.D (-1210) (-)
 Ion 120.80 (120.50 to 121.50): VU027314.D (-1210) (-)

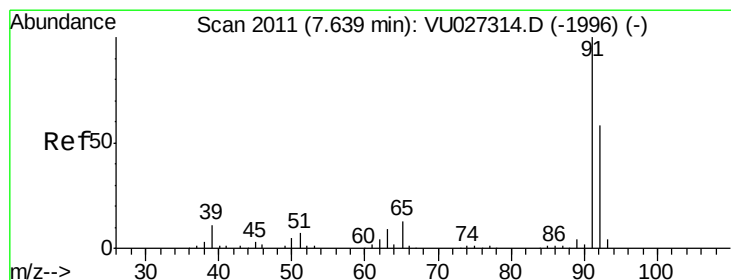
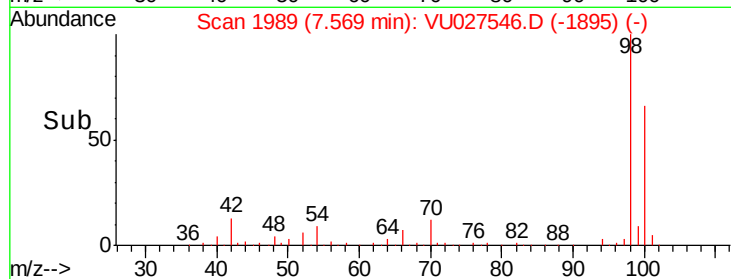
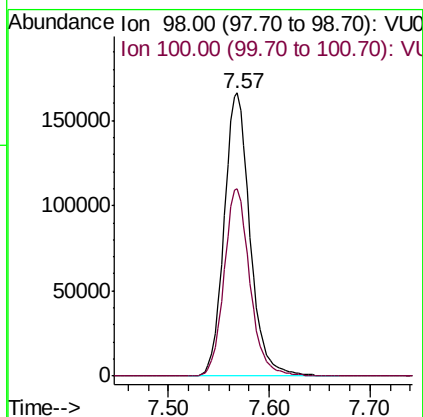
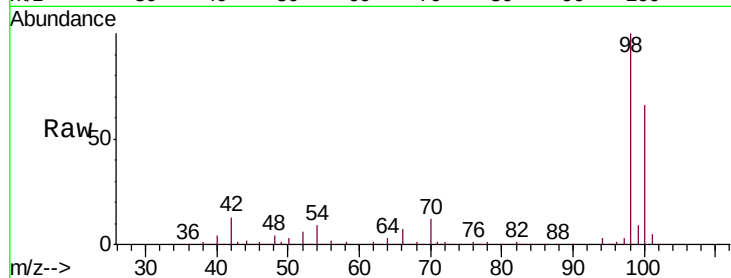




#50
Toluene-d8
Concen: 48.417 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

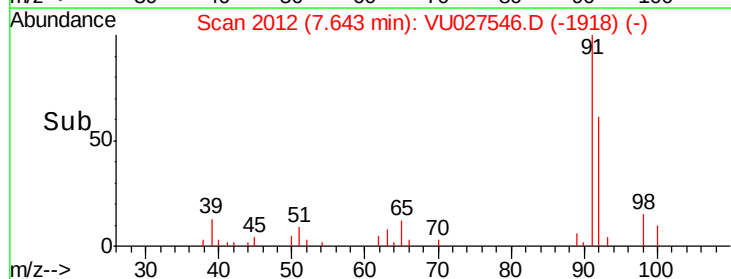
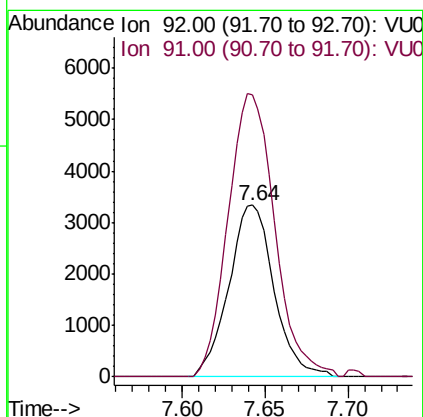
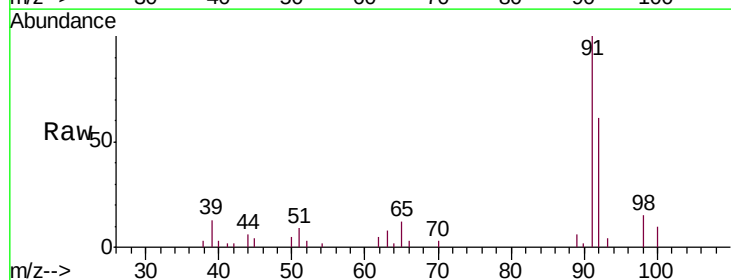
Instrument :
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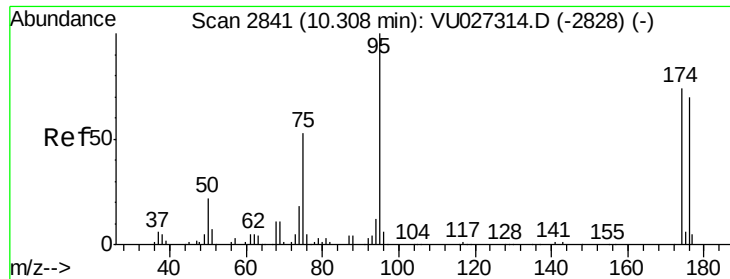
Tgt Ion: 98 Resp: 298011
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#52
Toluene
Concen: 1.404 ug/l
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Tgt Ion: 92 Resp: 6307
Ion Ratio Lower Upper
92 100
91 170.4 138.6 208.0





#62

4-Bromofluorobenzene

Concen: 43.931 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA_U

ClientSampleId :

TW-2

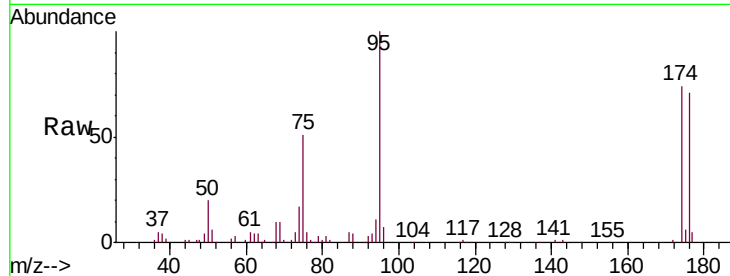
Tgt Ion: 95 Resp: 100490

Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.8

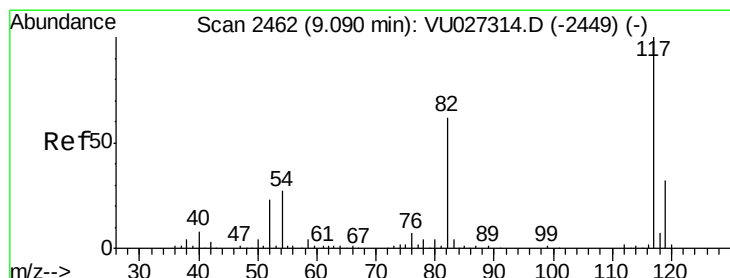
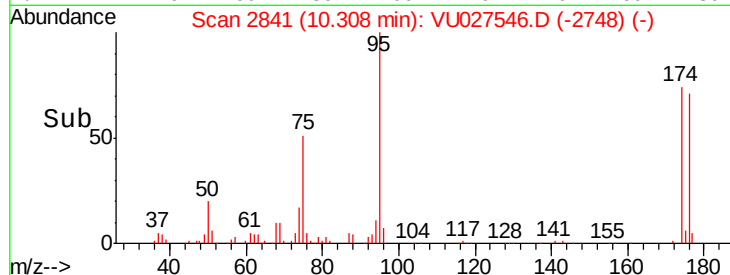
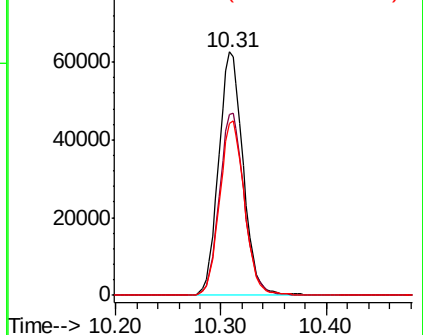
176 72.4 0.0 140.8



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

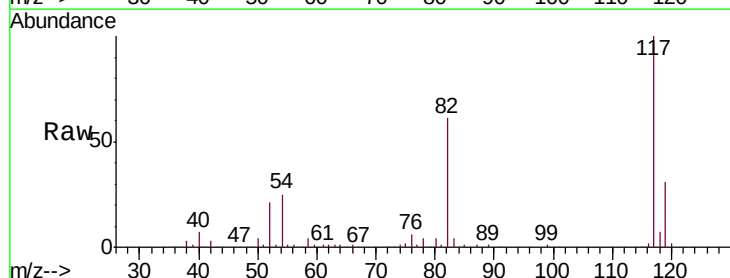
Tgt Ion: 117 Resp: 212709

Ion Ratio Lower Upper

117 100

82 60.6 49.2 73.8

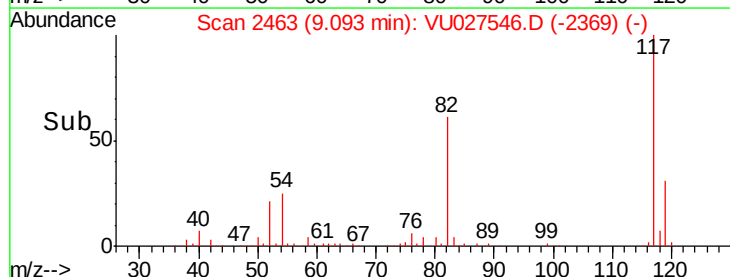
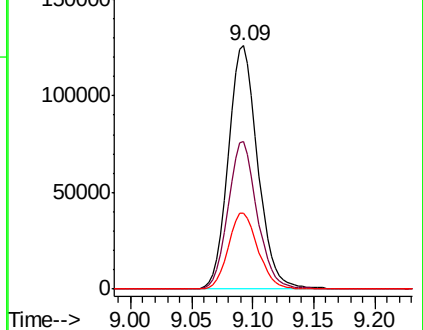
119 31.4 25.7 38.5

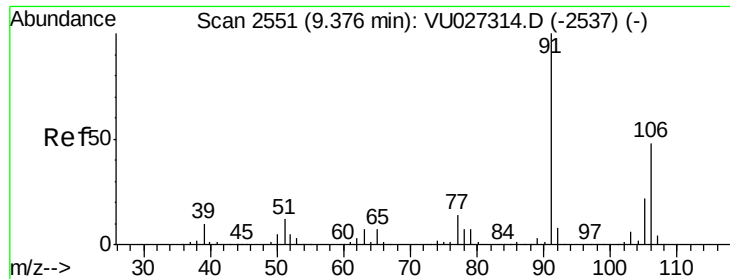


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

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

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

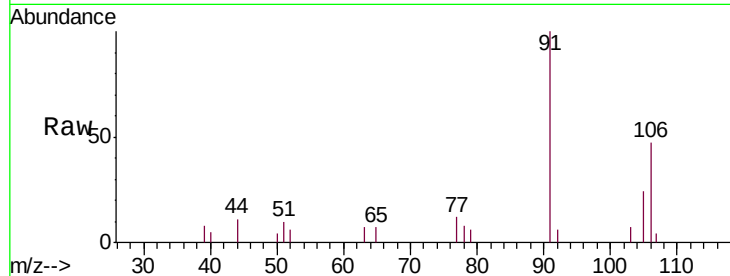




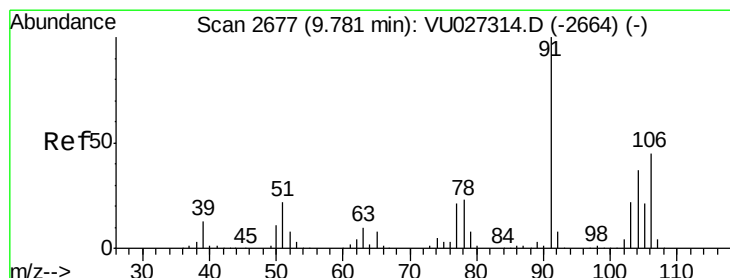
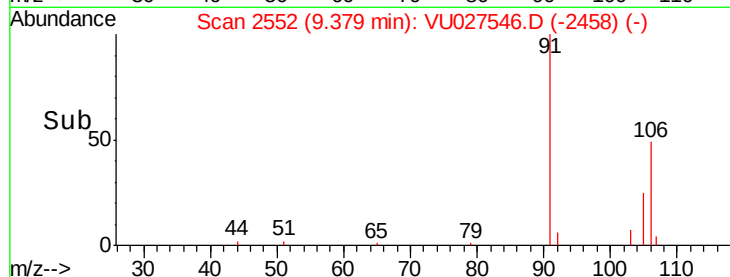
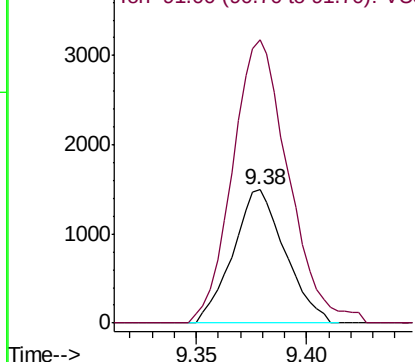
#68
m/p-Xylenes
Concen: 0.845 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Instrument :
MSVOA_U
ClientSampled :
TW-2

Tgt Ion:106 Resp: 2453
Ion Ratio Lower Upper
106 100
91 228.0 168.1 252.1

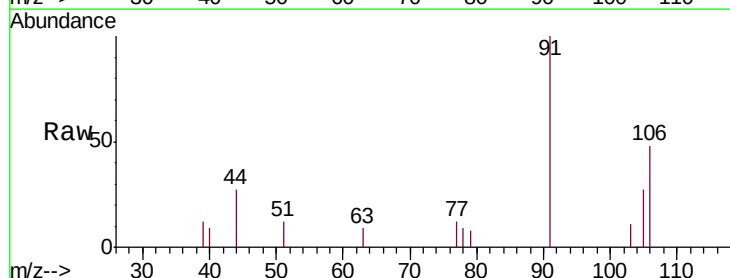


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

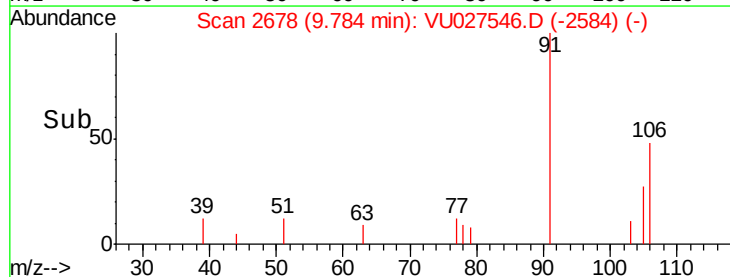
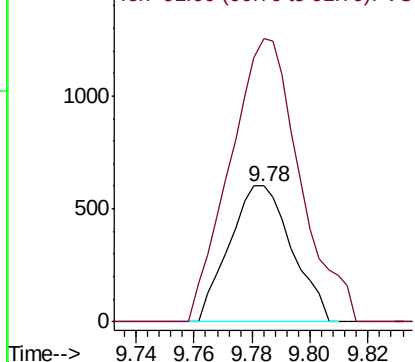


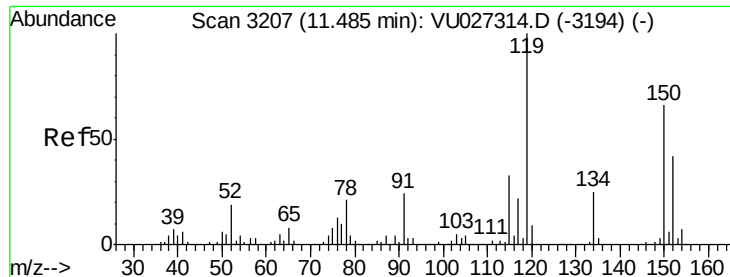
#69
o-Xylene
Concen: 0.326 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Tgt Ion:106 Resp: 900
Ion Ratio Lower Upper
106 100
91 233.1 111.7 334.9



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

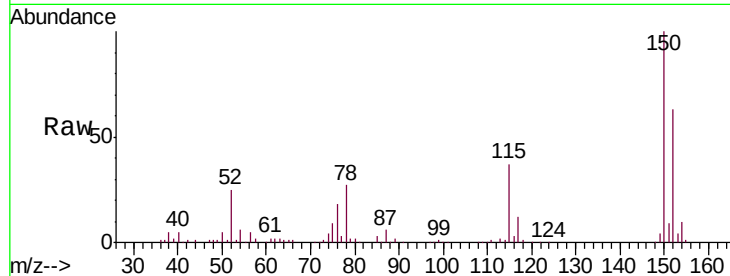




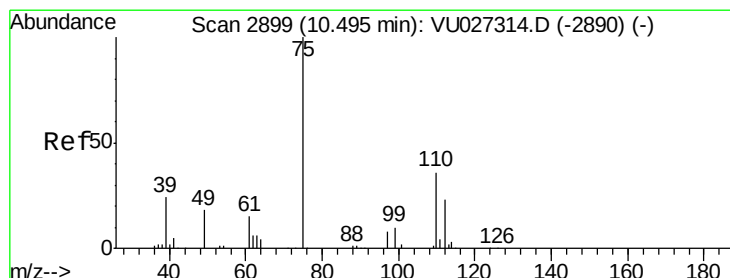
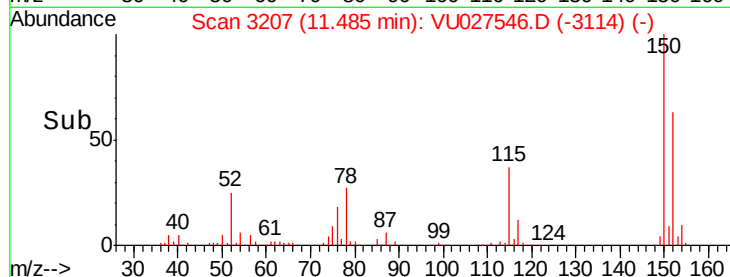
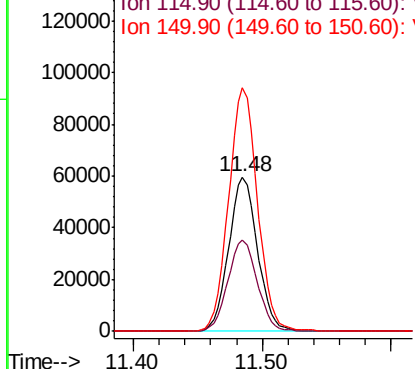
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-2

Tgt Ion:152 Resp: 92414
 Ion Ratio Lower Upper
 152 100
 115 60.3 43.4 130.2
 150 158.2 0.0 349.2

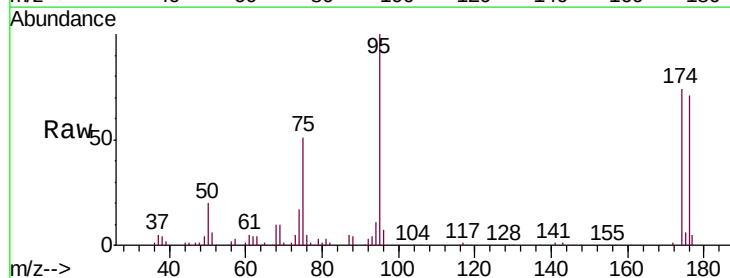


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

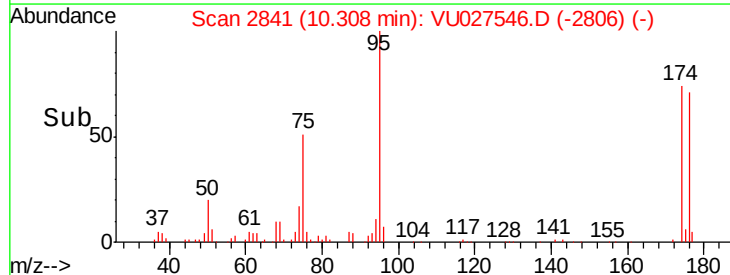
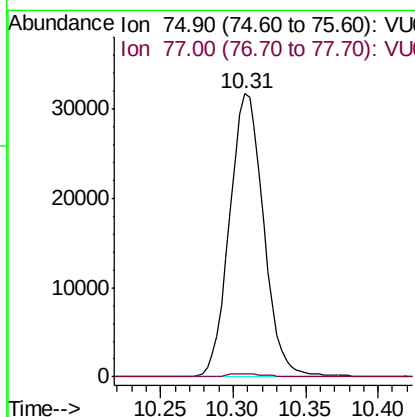


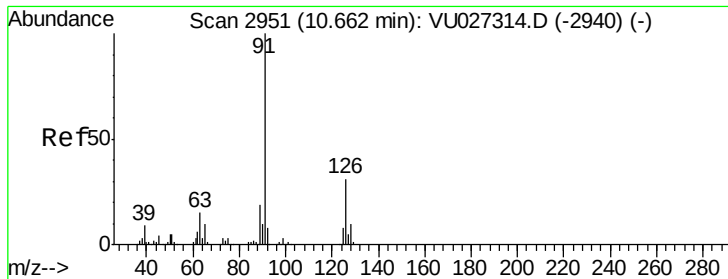
#76
 1,2,3-Trichloropropane
 Concen: 21.595 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Tgt Ion: 75 Resp: 51733
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#79

2-Chlorotoluene

Concen: 0.211 ug/l

RT: 10.59 min Scan# 2930

Delta R.T. -0.07 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA_U

ClientSampleId :

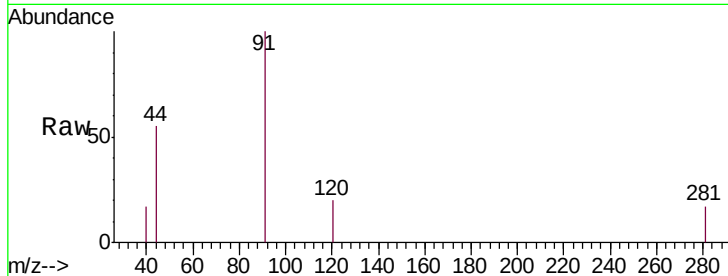
TW-2

Tgt Ion: 91 Resp: 1026

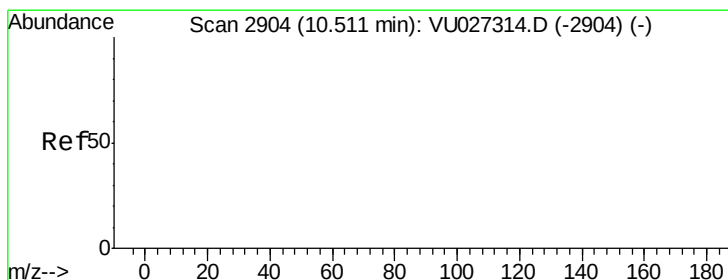
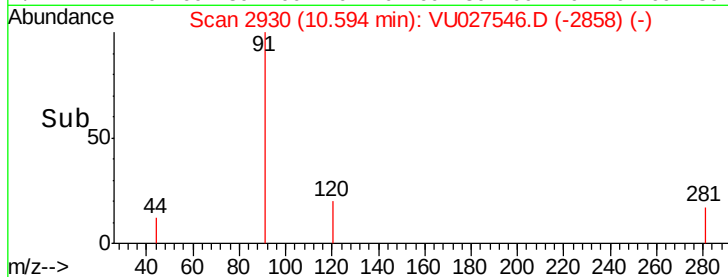
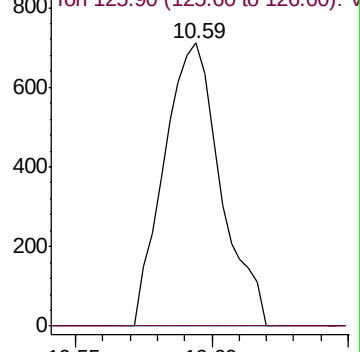
Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 56.517 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

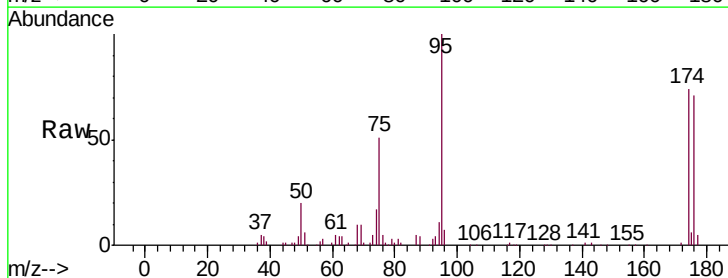
Tgt Ion: 75 Resp: 51733

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

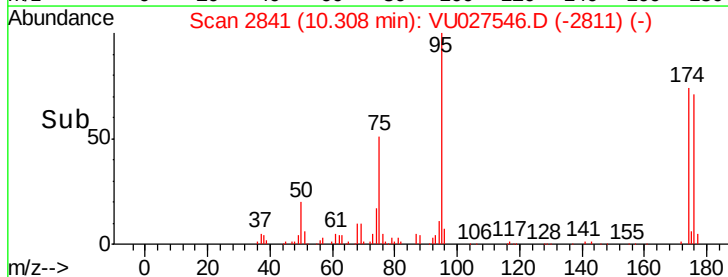
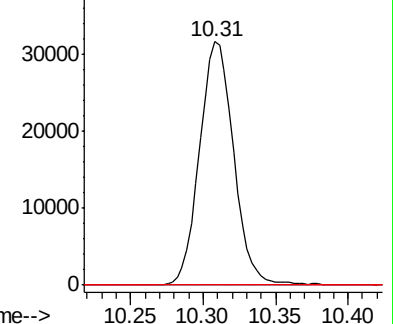
89 0.0 0.0 0.0

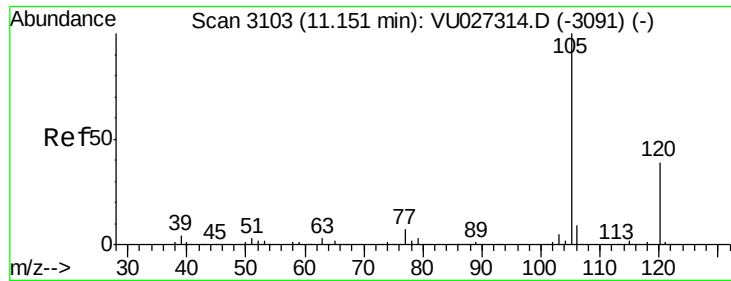


Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU027314.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU027314.D (-2904) (-)

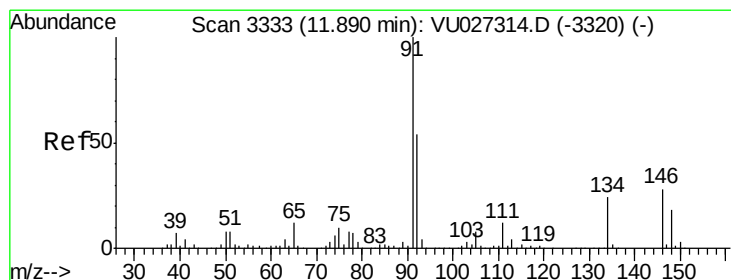
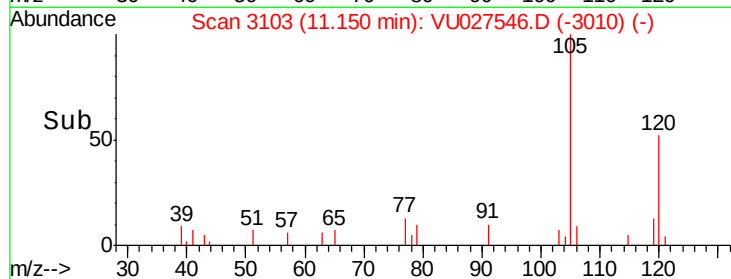
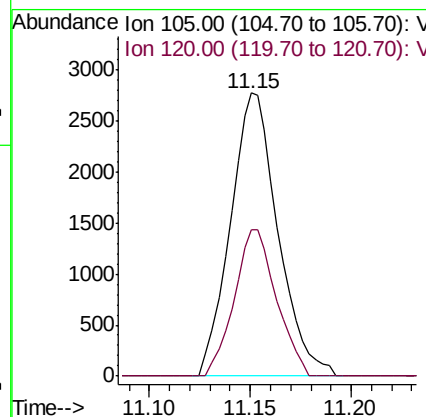
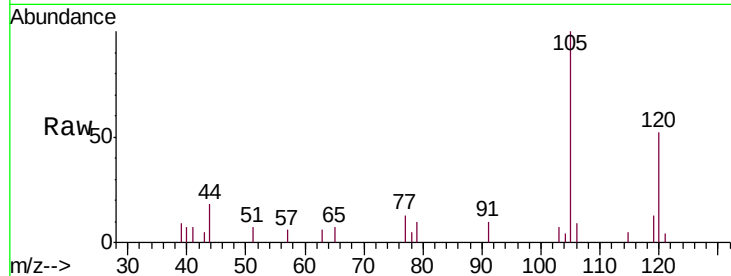




#84
 1,2,4-Trimethylbenzene
 Concen: 0.815 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

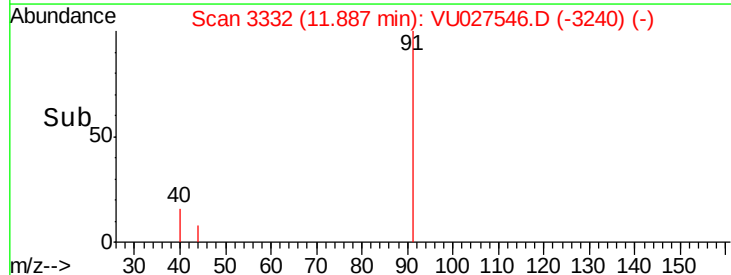
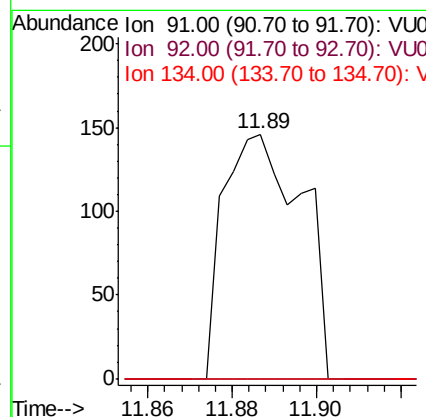
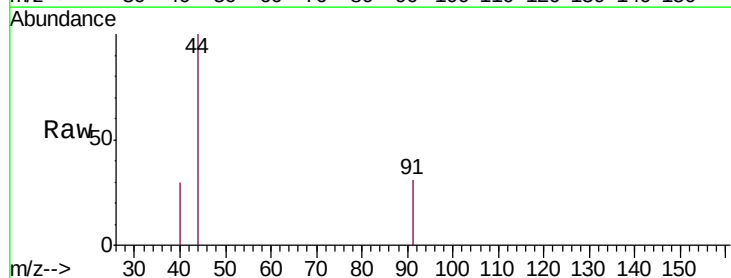
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-2

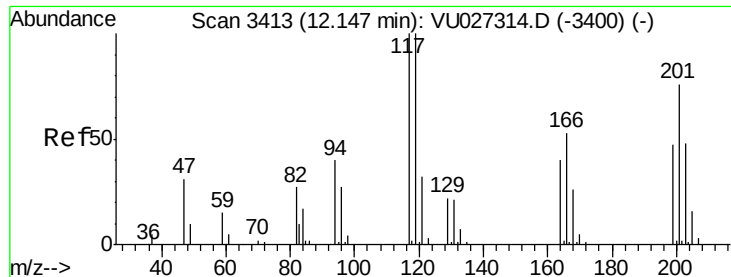
Tgt Ion: 105 Resp: 4549
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.1 66.5



#89
 n-Butylbenzene
 Concen: 1.979 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU027546.D
 Acq: 10 Oct 2018 01:02

Tgt Ion: 91 Resp: 188
 Ion Ratio Lower Upper
 91 100
 92 0.0 27.0 81.0#
 134 0.0 11.7 35.1#

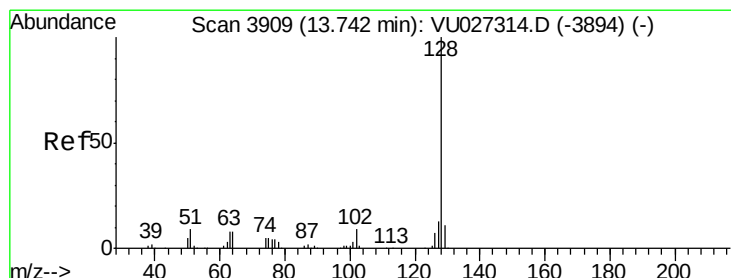
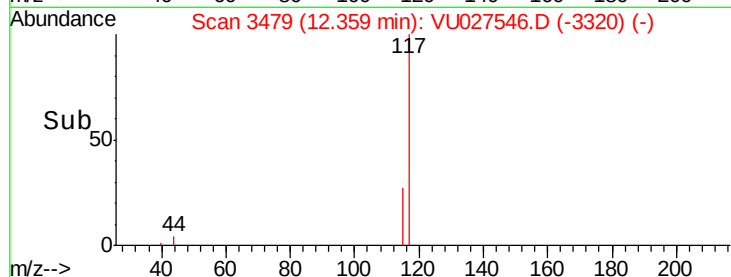
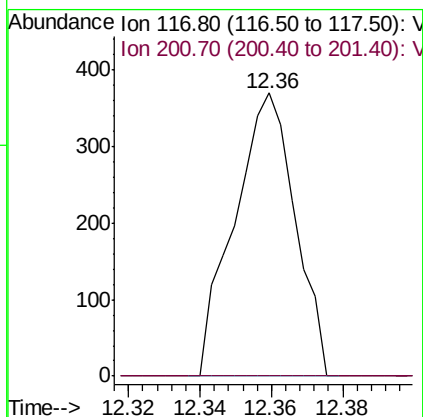
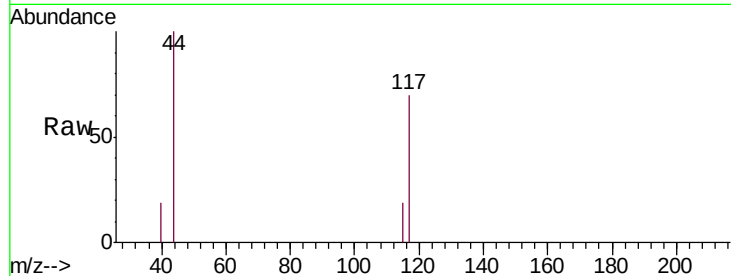




#90
Hexachloroethane
Concen: 0.404 ug/l
RT: 12.36 min Scan# 3479
Delta R.T. 0.21 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Instrument :
MSVOA_U
ClientSampleId :
TW-2

Tgt Ion:117 Resp: 434
Ion Ratio Lower Upper
117 100
201 0.0 37.9 113.6#



#95
Naphthalene
Concen: 1.719 ug/l
RT: 13.75 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU027546.D
Acq: 10 Oct 2018 01:02

Tgt Ion:128 Resp: 427
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#

