

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026904.D
 Acq On : 19 Sep 2018 18:05
 Operator : MD/SY
 Sample : J4913-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW306D-20180913

Quant Time: Sep 20 05:34:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	83586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	142412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75989	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	70798	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
35) Dibromofluoromethane	4.88	113	63125	54.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.60%	
50) Toluene-d8	7.57	98	210446	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	10.31	95	70506	45.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.50%	

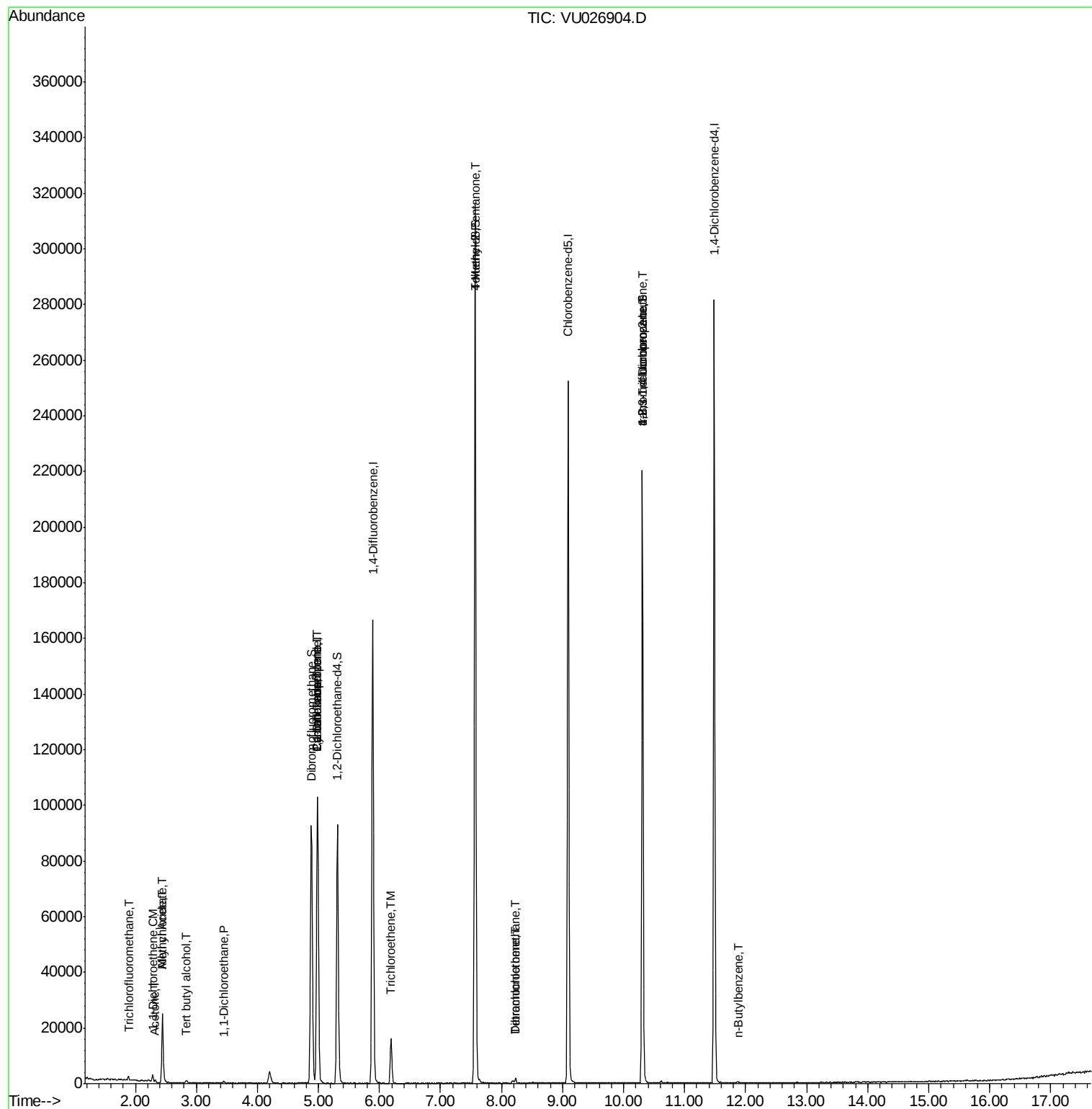
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.89	101	859	0.503	ug/l	89
11) Tert butyl alcohol	2.84	59	688	2.226	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	832	0.867	ug/l	95
14) Allyl chloride	2.45	41	2556	1.479	ug/l #	78
16) Acetone	2.32	43	985	1.372	ug/l	92
18) Methyl Acetate	2.44	43	6303	4.069	ug/l #	54
24) 1,1-Dichloroethane	3.45	63	1007	0.495	ug/l #	84
31) Cyclohexane	4.98	56	1549	0.654	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	5906	3.691	ug/l #	48
38) Carbon Tetrachloride	4.98	117	7378	4.364	ug/l #	16
44) Trichloroethene	6.19	130	6312	5.132	ug/l	98
51) 4-Methyl-2-Pentanone	7.57	43	802	0.409	ug/l #	1
60) Dibromochloromethane	8.23	129	326	0.237	ug/l #	11
64) Tetrachloroethene	8.23	164	463	0.408	ug/l #	89
76) 1,2,3-Trichloropropane	10.31	75	34289	20.144	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	34289	62.444	ug/l #	100
89) n-Butylbenzene	11.89	91	20	2.113	ug/l #	34

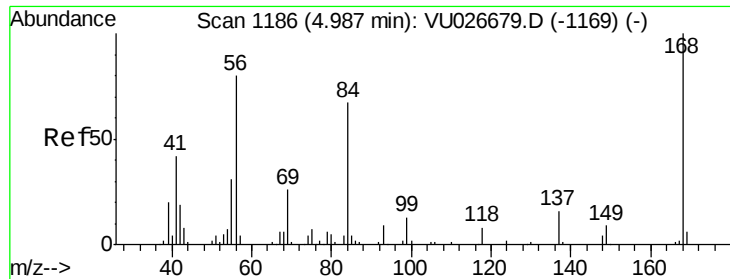
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU026904.D

Acq: 19 Sep 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

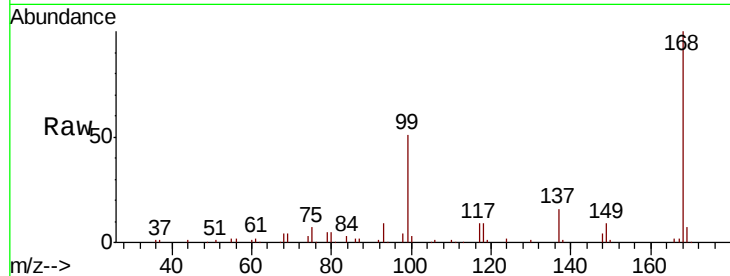
BPS1-TT-MW306D-20180913

Tgt Ion:168 Resp: 83586

Ion Ratio Lower Upper

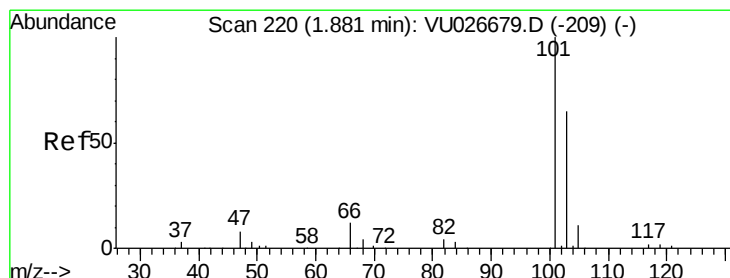
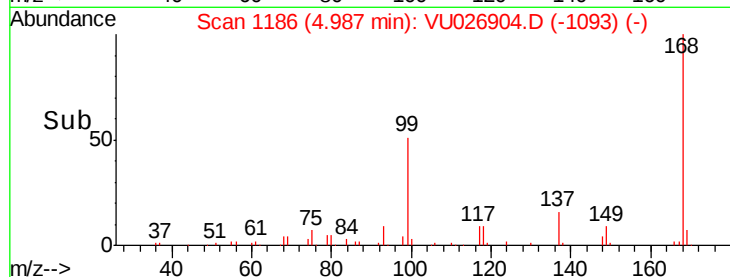
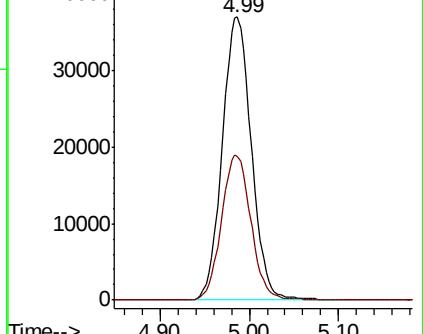
168 100

99 50.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#7

Trichlorofluoromethane

Concen: 0.503 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.01 min

Lab File: VU026904.D

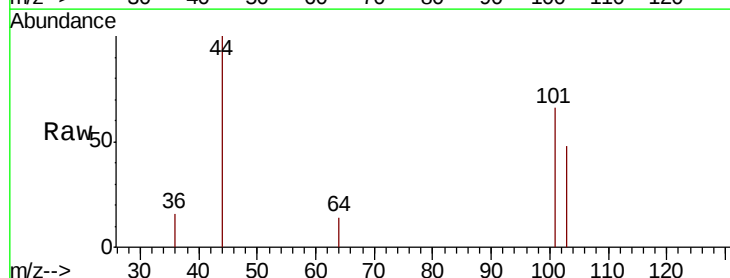
Acq: 19 Sep 2018 18:05

Tgt Ion:101 Resp: 859

Ion Ratio Lower Upper

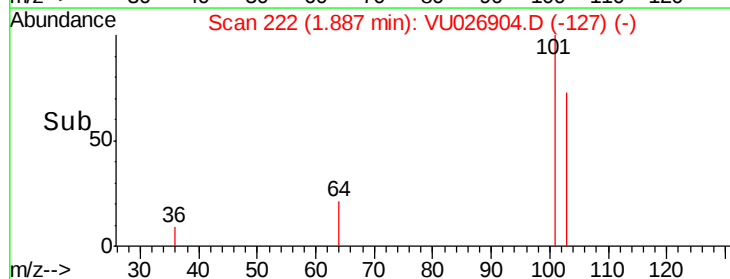
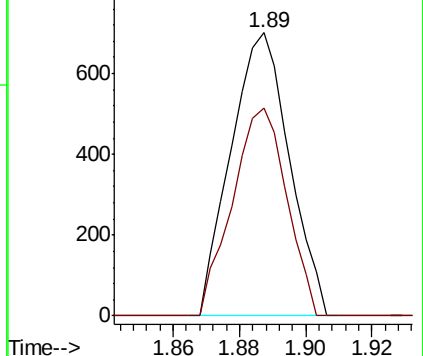
101 100

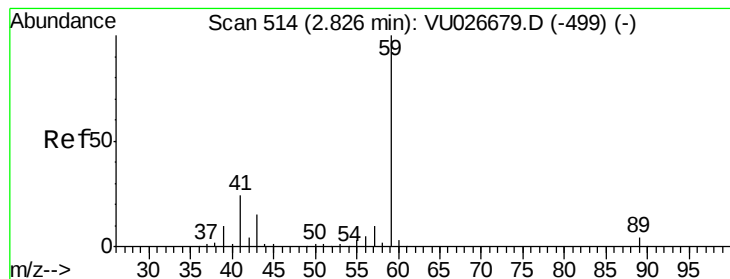
103 73.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



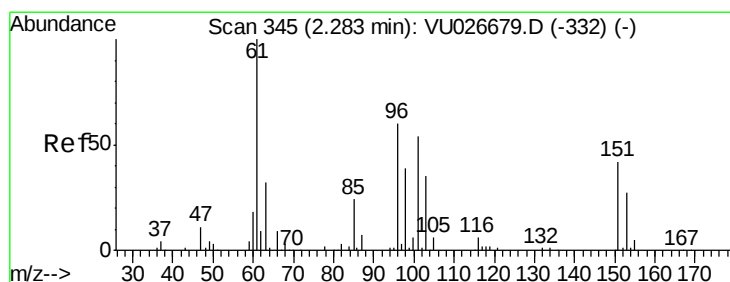
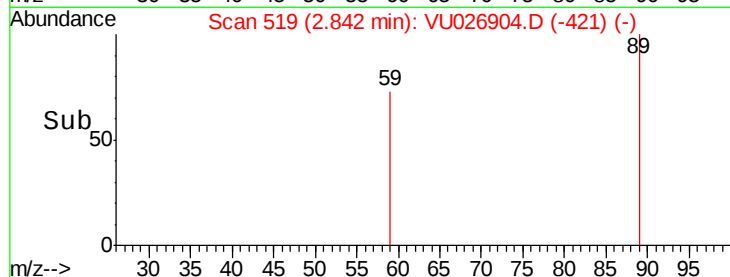
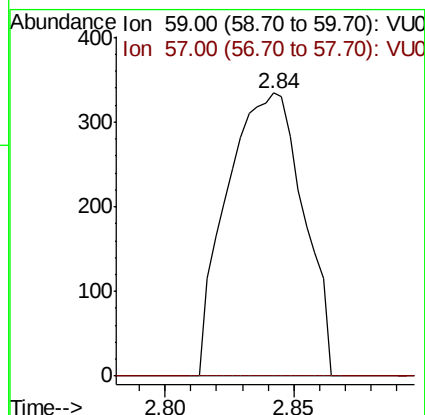
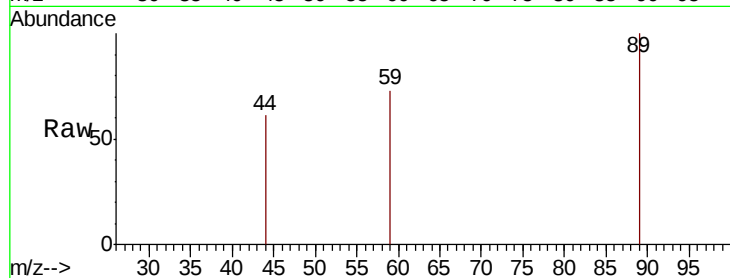


#11

Tert butyl alcohol
 Concen: 2.226 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.02 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

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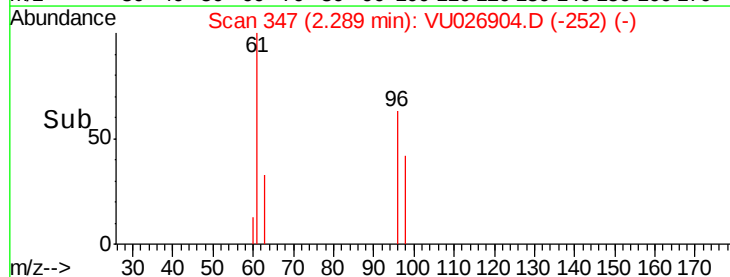
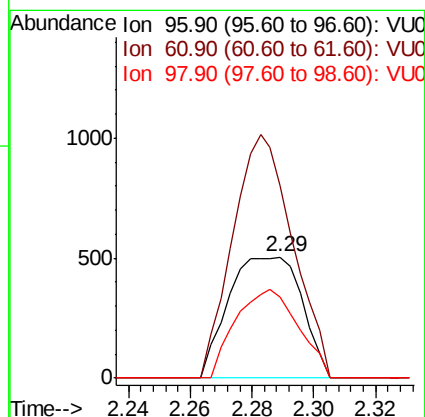
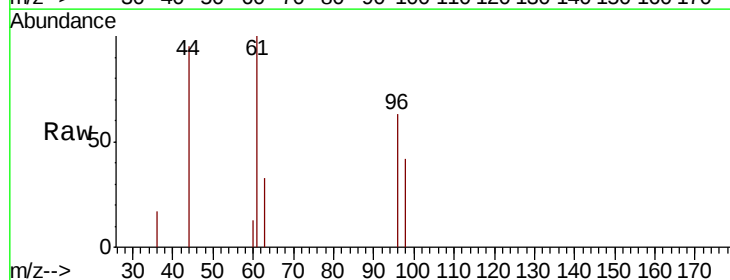
Tgt Ion: 59 Resp: 688
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

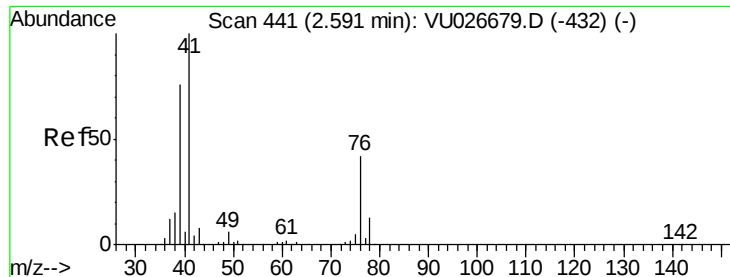


#12

1,1-Dichloroethene
 Concen: 0.867 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. 0.01 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

Tgt Ion: 96 Resp: 832
 Ion Ratio Lower Upper
 96 100
 61 159.1 133.0 199.6
 98 67.5 51.3 76.9

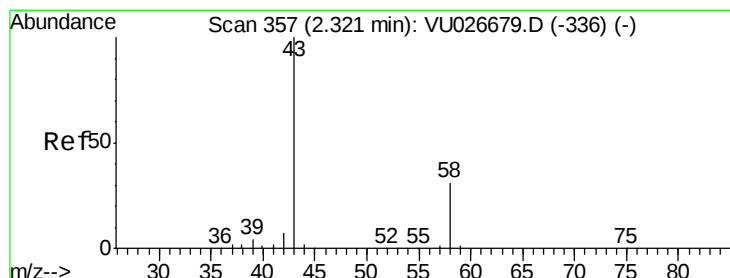
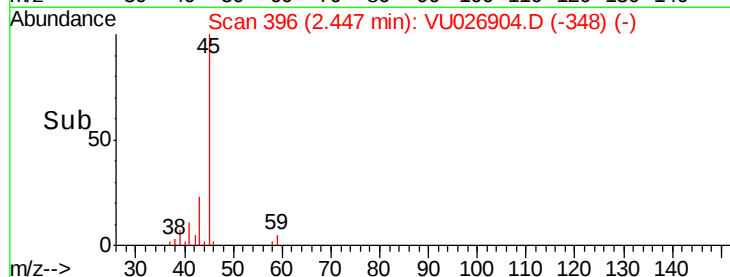
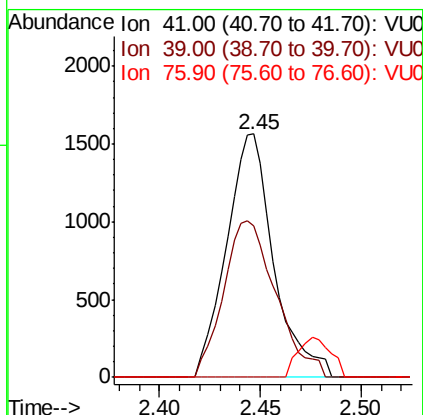
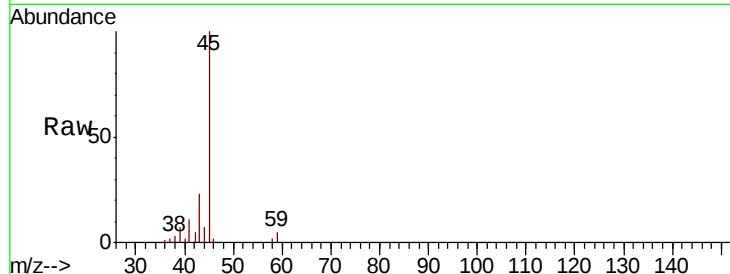




#14
 Allyl chloride
 Concen: 1.479 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.14 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

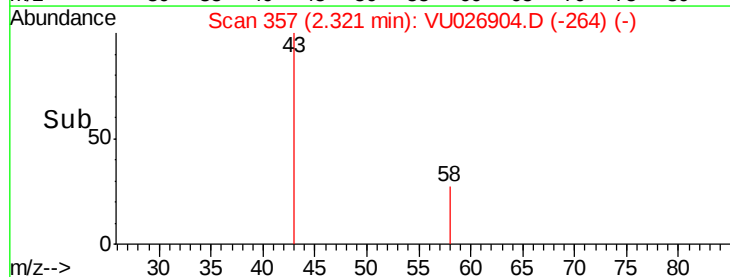
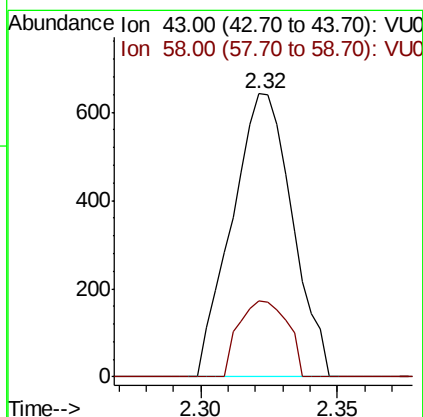
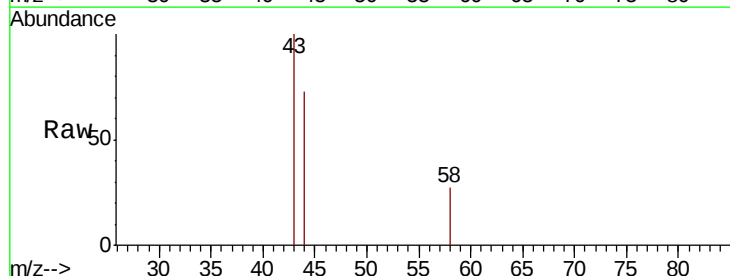
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 BPS1-TT-MW306D-20180913

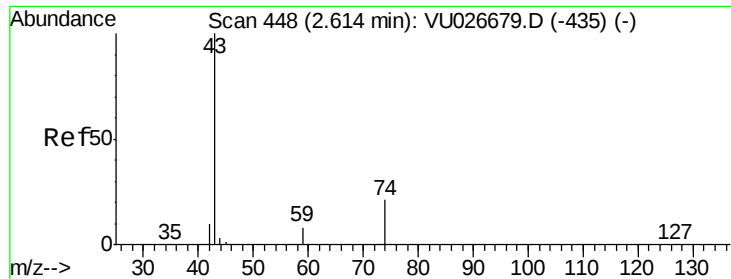
Tgt Ion: 41 Resp: 2556
 Ion Ratio Lower Upper
 41 100
 39 71.4 56.9 85.3
 76 0.0 29.7 44.5#



#16
 Acetone
 Concen: 1.372 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

Tgt Ion: 43 Resp: 985
 Ion Ratio Lower Upper
 43 100
 58 26.8 25.1 37.7

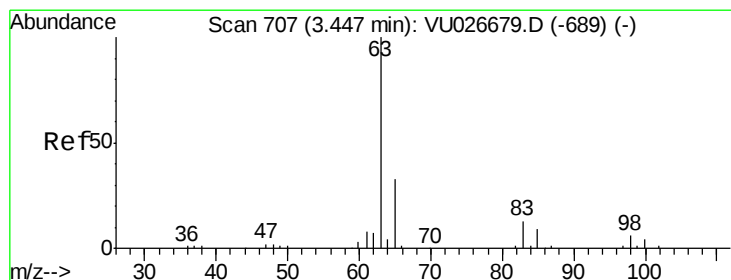
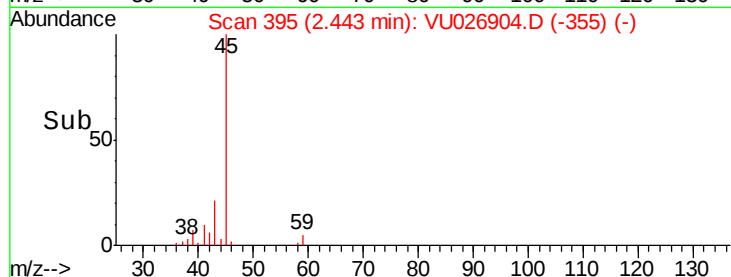
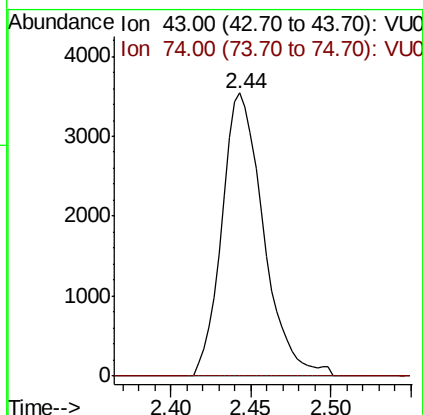
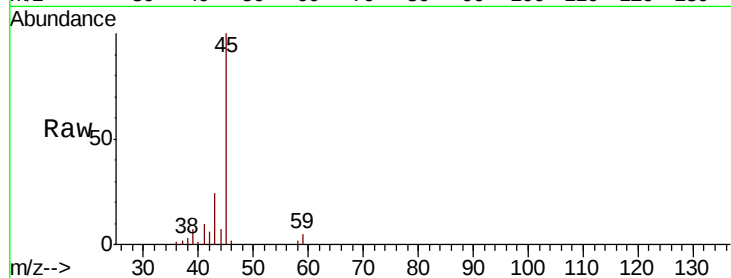




#18
Methyl Acetate
Concen: 4.069 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU026904.D
Acq: 19 Sep 2018 18:05

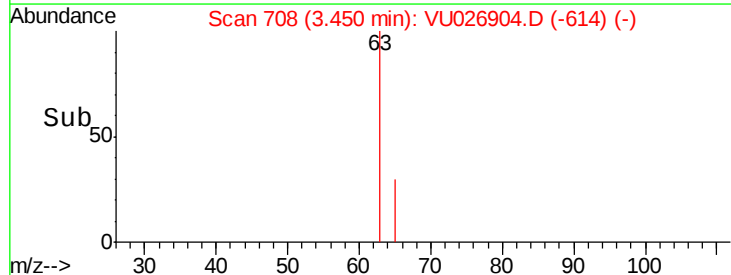
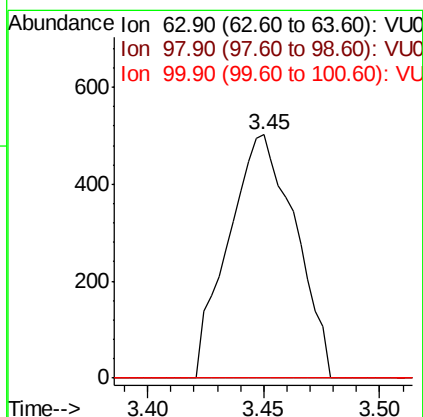
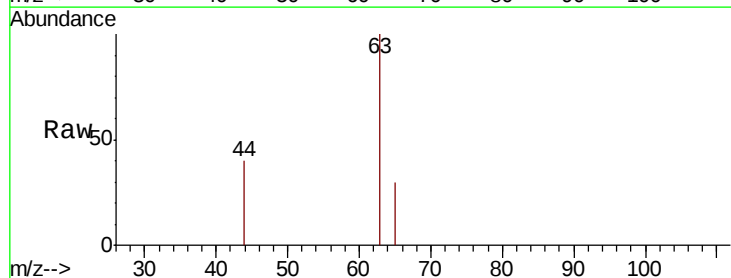
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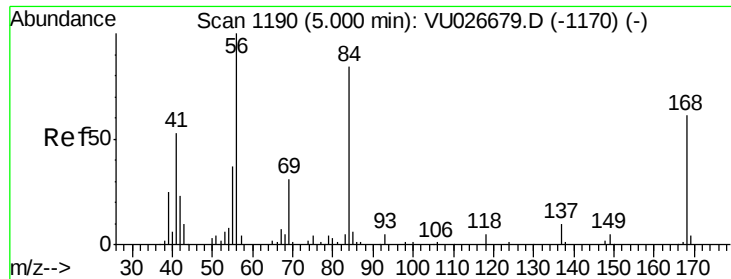
Tgt Ion: 43 Resp: 6303
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#24
1,1-Dichloroethane
Concen: 0.495 ug/l
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU026904.D
Acq: 19 Sep 2018 18:05

Tgt Ion: 63 Resp: 1007
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 0.0 2.0 6.0#

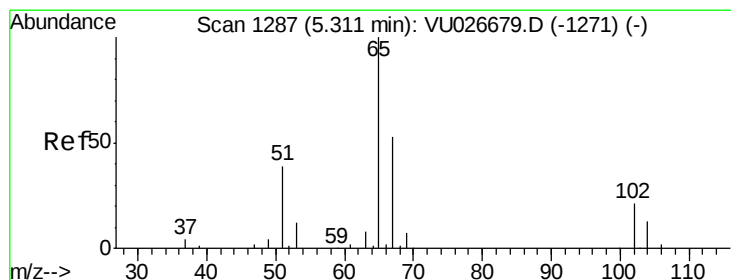
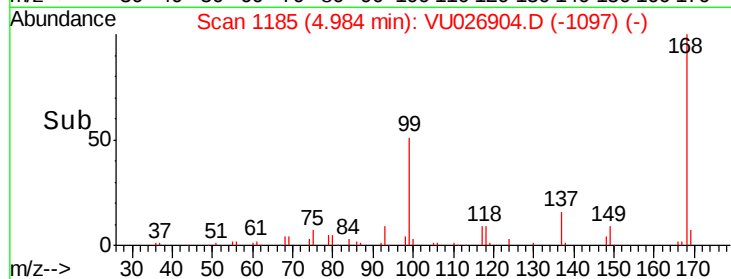
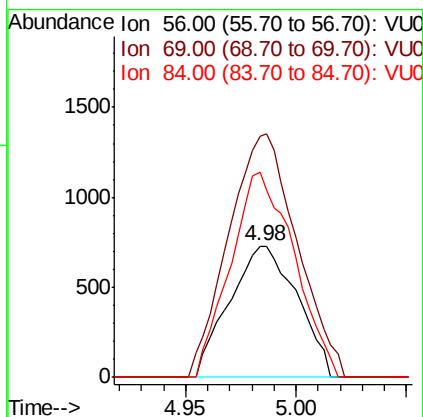
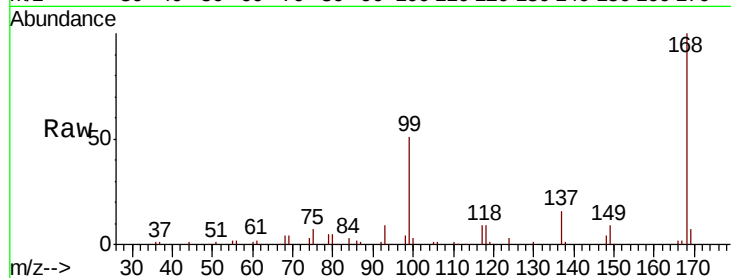




#31
Cyclohexane
Concen: 0.654 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU026904.D
Acq: 19 Sep 2018 18:05

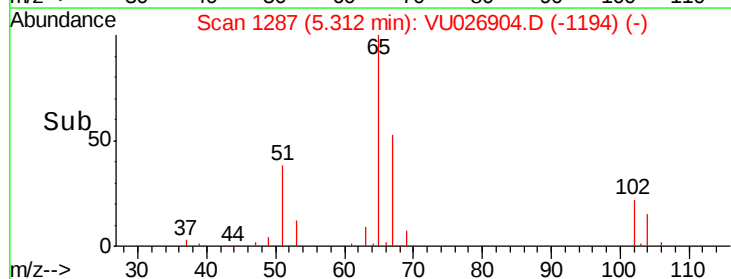
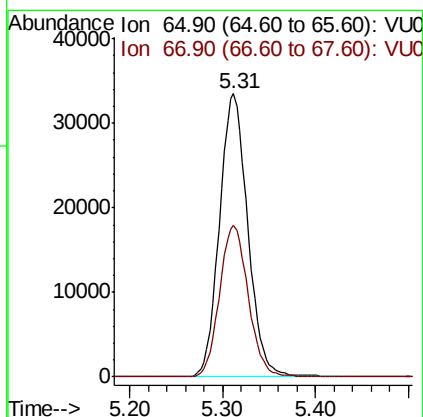
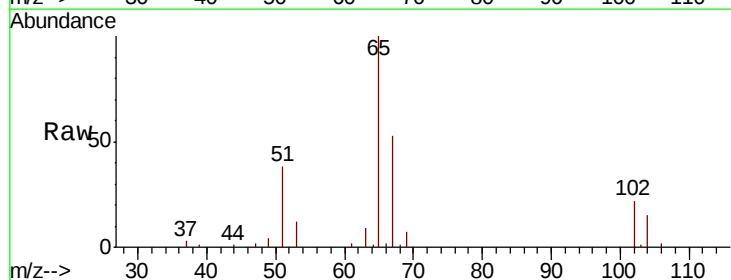
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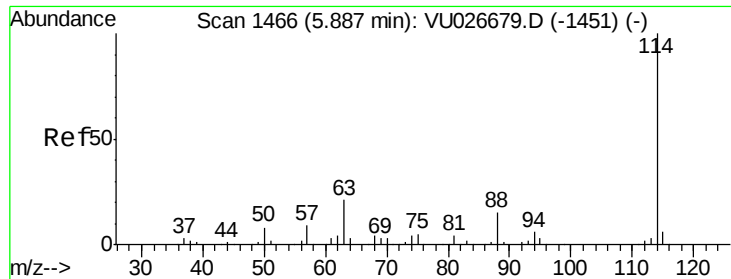
Tgt Ion: 56 Resp: 1549
Ion Ratio Lower Upper
56 100
69 184.2 24.9 37.3#
84 156.2 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 55.836 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026904.D
Acq: 19 Sep 2018 18:05

Tgt Ion: 65 Resp: 70798
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.4

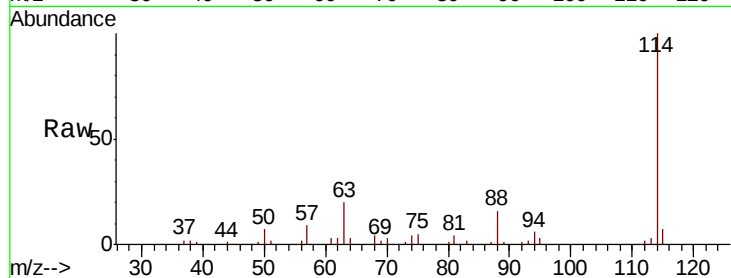




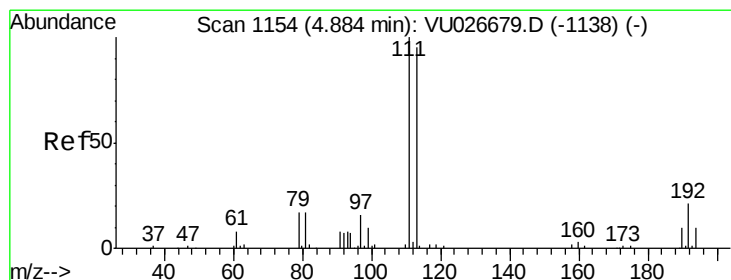
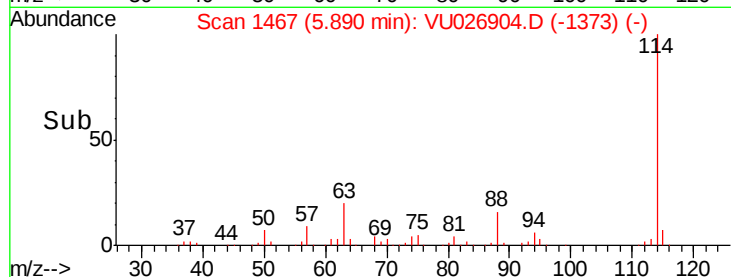
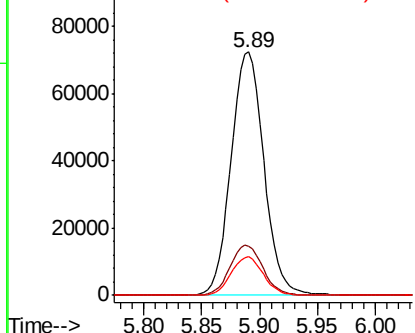
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

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Tgt Ion:114 Resp: 142512
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.8 0.0 30.8

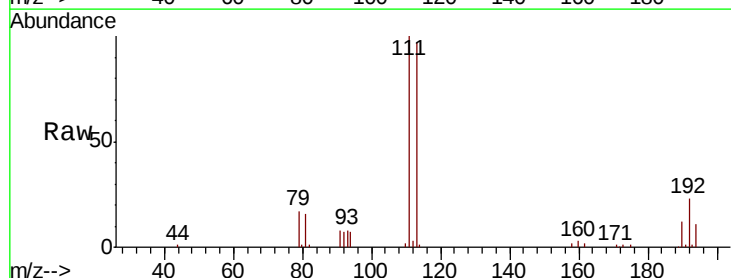


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

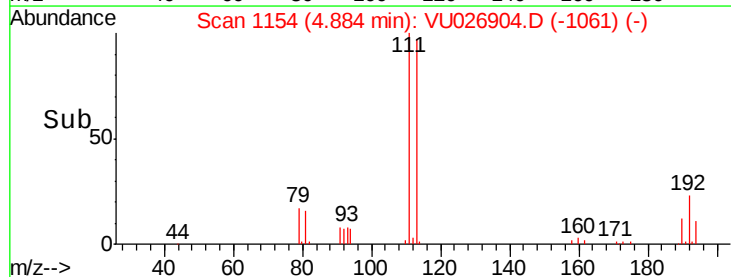
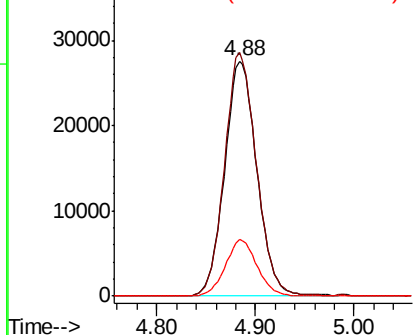


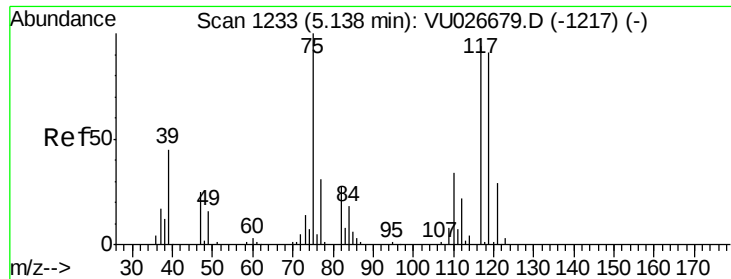
#35
 Dibromofluoromethane
 Concen: 54.303 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

Tgt Ion:113 Resp: 63125
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.1 124.7
 192 23.5 17.4 26.2



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

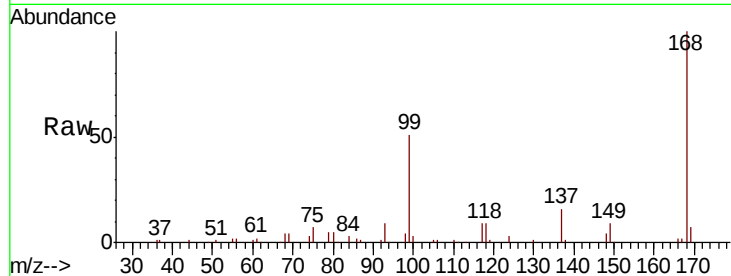




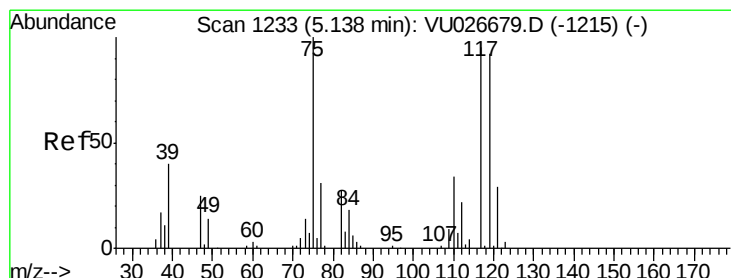
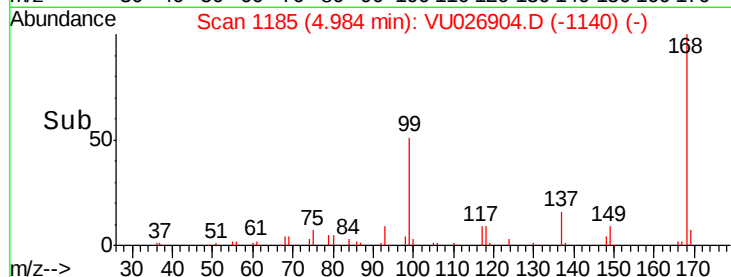
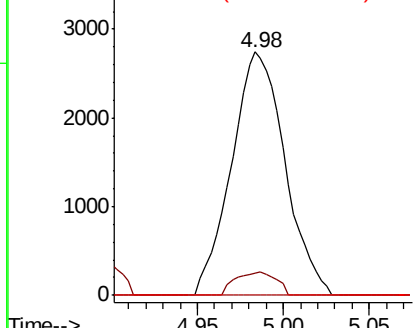
#36
 1,1-Dichloropropene
 Concen: 3.691 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

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Tgt Ion: 75 Resp: 5906
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.3 51.9#
 77 0.0 24.9 37.3#

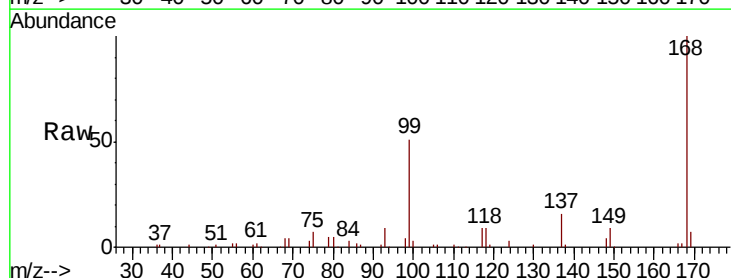


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

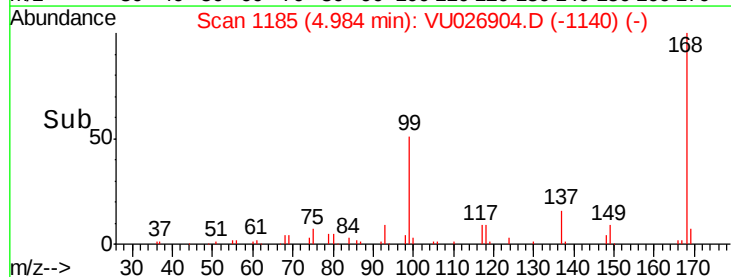
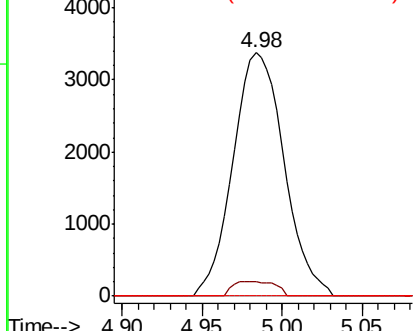


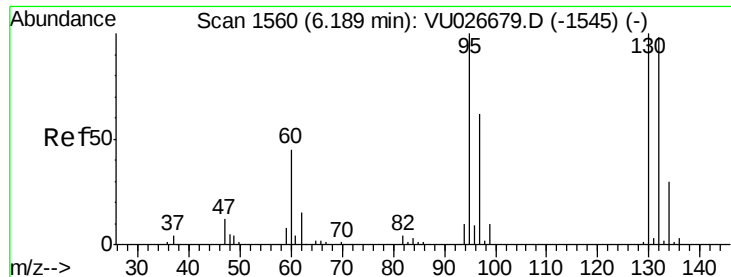
#38
 Carbon Tetrachloride
 Concen: 4.364 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

Tgt Ion: 117 Resp: 7378
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.8 116.8#
 121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 5.132 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026904.D

Acq: 19 Sep 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

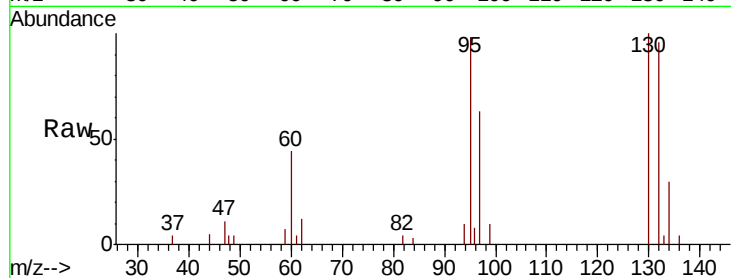
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Tgt Ion:130 Resp: 6312

Ion Ratio Lower Upper

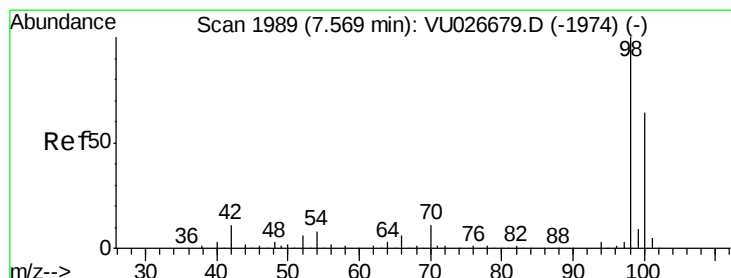
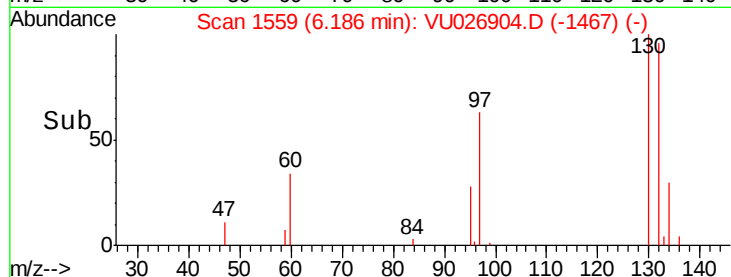
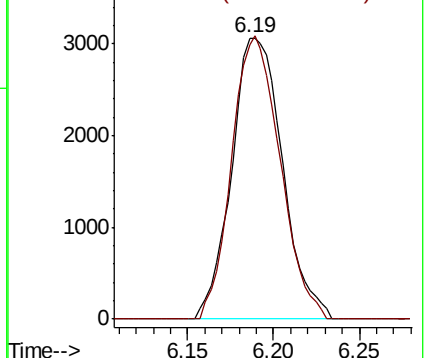
130 100

95 97.6 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VU026679.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026679.D (-1545) (-)



#50

Toluene-d8

Concen: 48.947 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026904.D

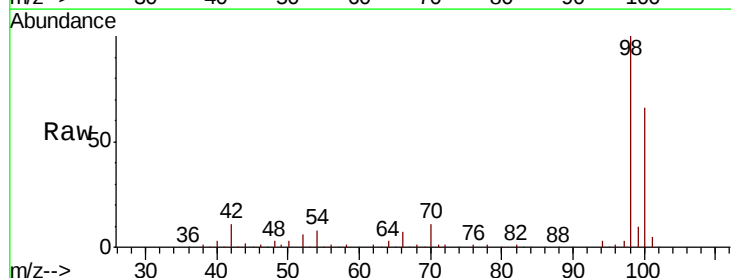
Acq: 19 Sep 2018 18:05

Tgt Ion: 98 Resp: 210446

Ion Ratio Lower Upper

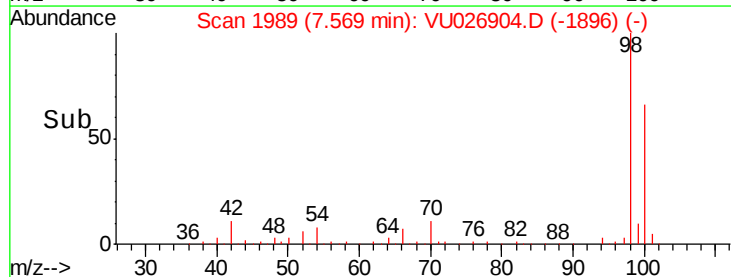
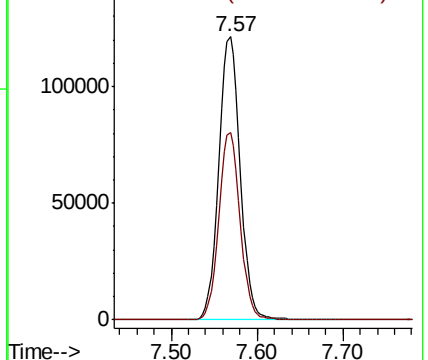
98 100

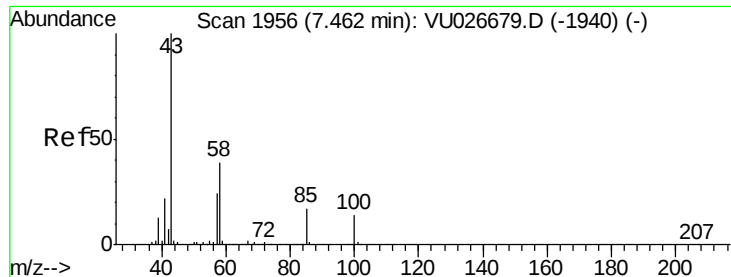
100 65.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU026679.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026679.D (-1974) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.409 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU026904.D

Acq: 19 Sep 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

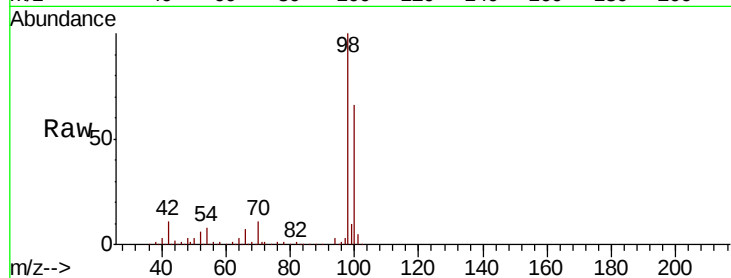
BPS1-TT-MW306D-20180913

Tgt Ion: 43 Resp: 802

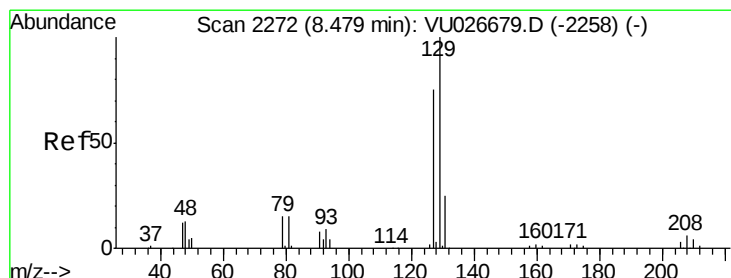
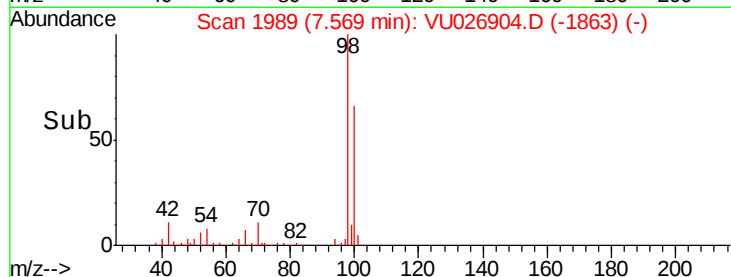
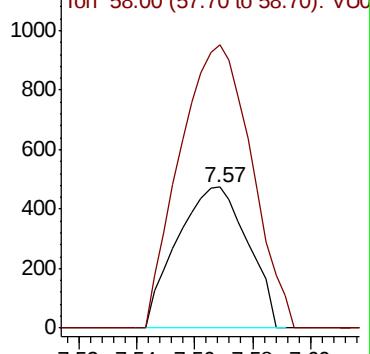
Ion Ratio Lower Upper

43 100

58 203.7 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-1940) (-)



#60

Dibromochloromethane

Concen: 0.237 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU026904.D

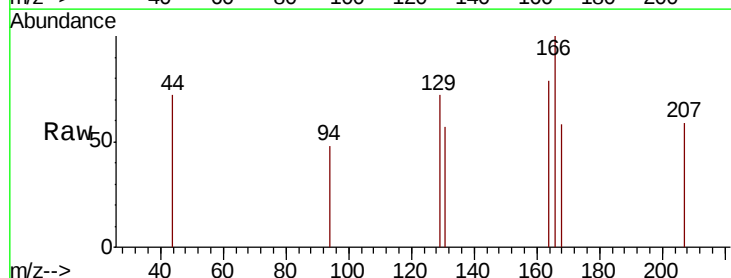
Acq: 19 Sep 2018 18:05

Tgt Ion: 129 Resp: 326

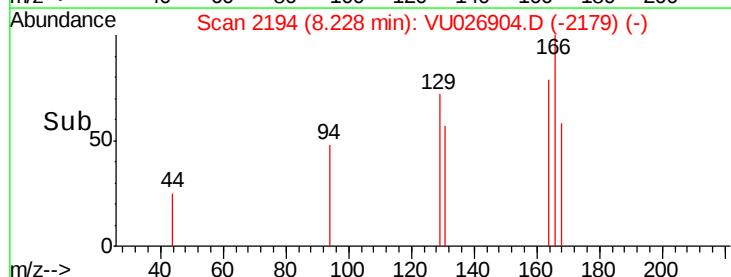
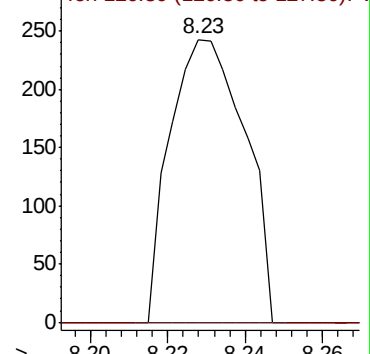
Ion Ratio Lower Upper

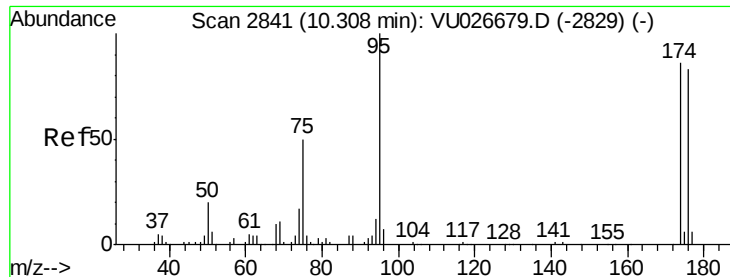
129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): VU026679.D (-2258) (-)

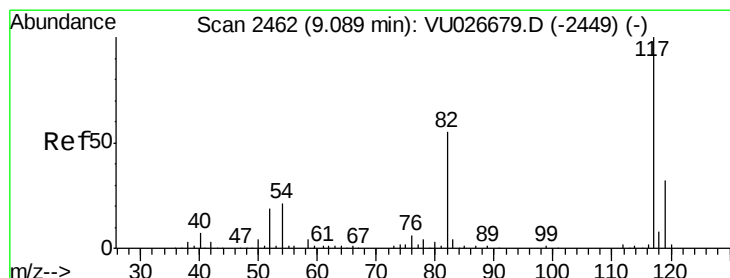
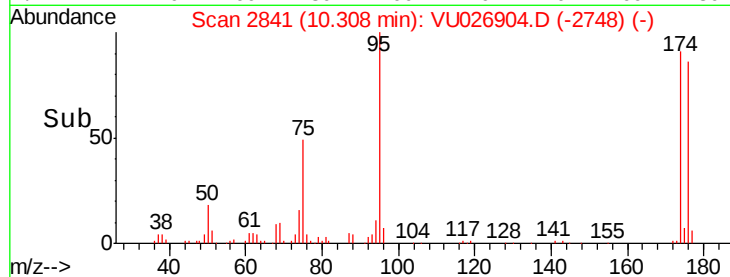
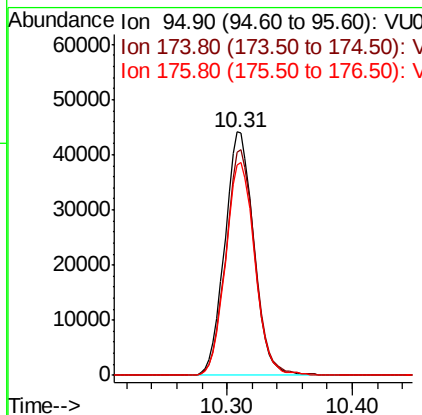
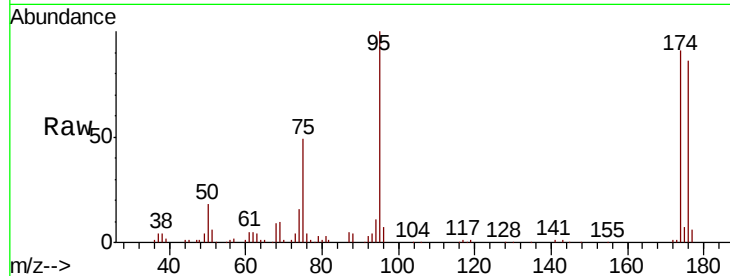




#62
4-Bromofluorobenzene
Concen: 45.247 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU026904.D
Acq: 19 Sep 2018 18:05

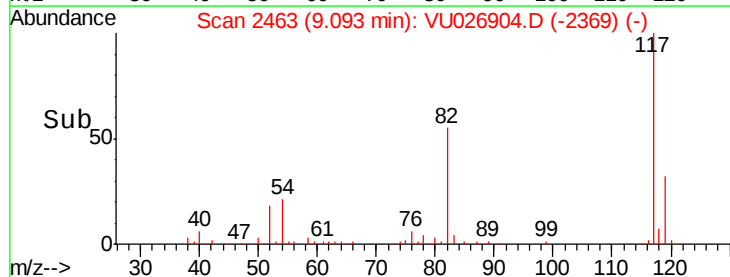
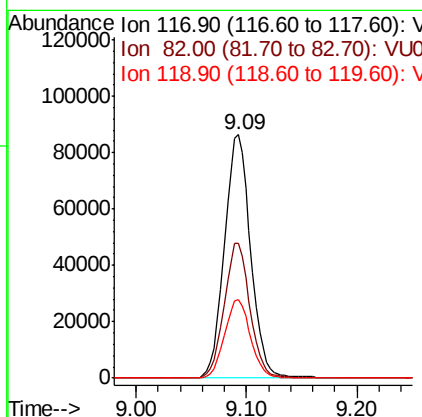
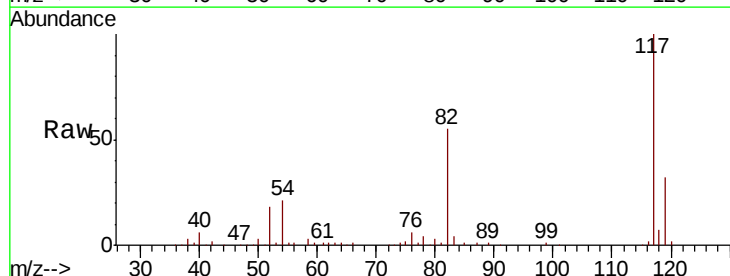
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW306D-20180913

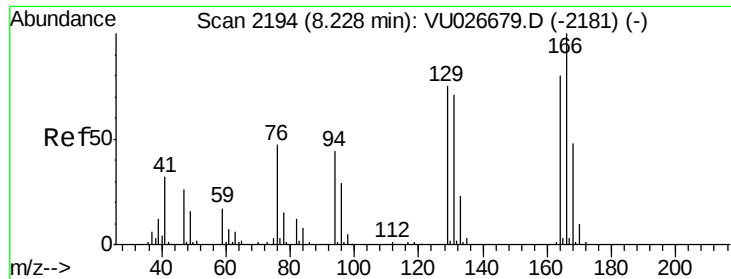
Tgt Ion: 95 Resp: 70506
Ion Ratio Lower Upper
95 100
174 93.0 0.0 172.8
176 88.4 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026904.D
Acq: 19 Sep 2018 18:05

Tgt Ion: 117 Resp: 142412
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 32.4 25.7 38.5





#64

Tetrachloroethene

Concen: 0.408 ug/l

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU026904.D

Acq: 19 Sep 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:164 Resp: 463

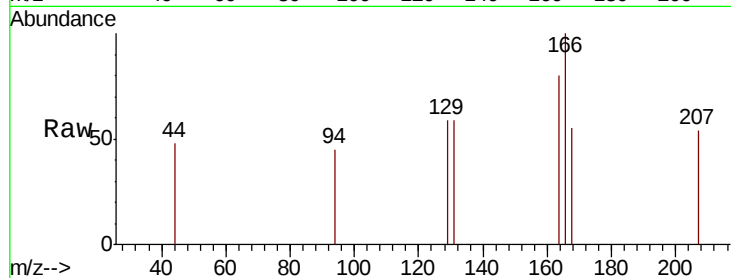
Ion Ratio Lower Upper

164 100

166 125.2 100.5 150.7

129 73.8 75.3 112.9#

131 73.8 71.4 107.2

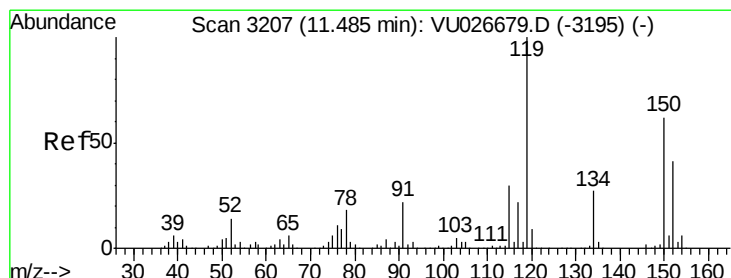
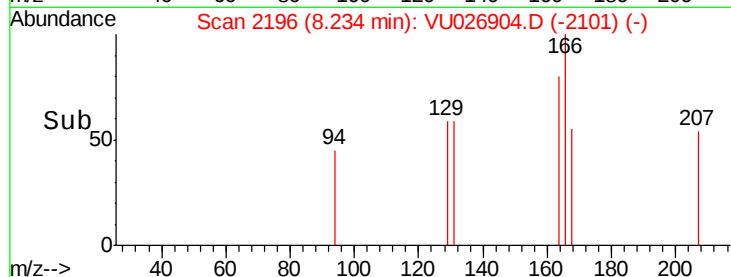
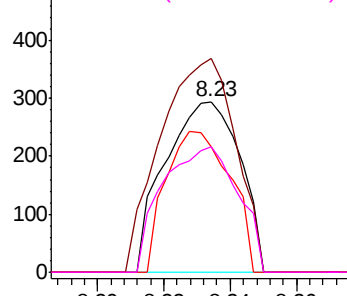


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VU026904.D

Acq: 19 Sep 2018 18:05

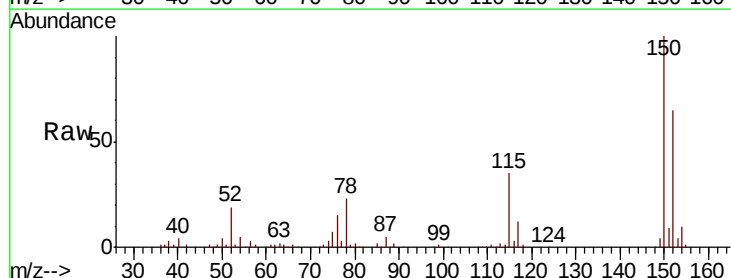
Tgt Ion:152 Resp: 75989

Ion Ratio Lower Upper

152 100

115 53.7 40.4 121.1

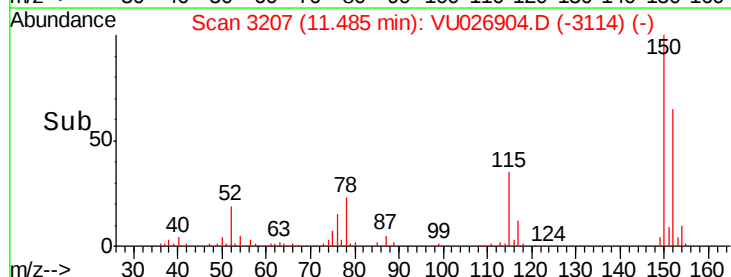
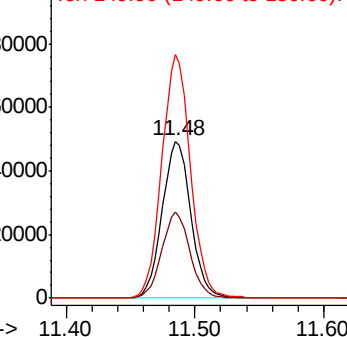
150 155.6 0.0 345.2

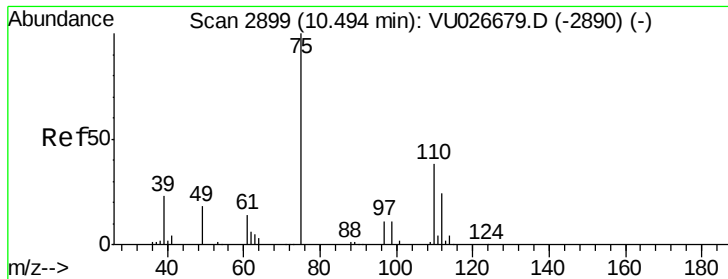


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

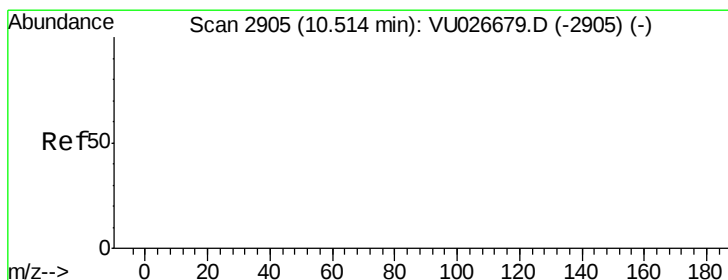
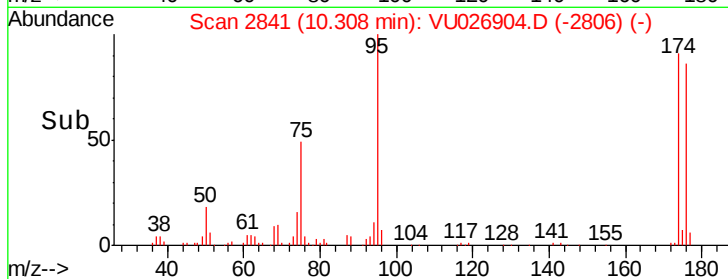
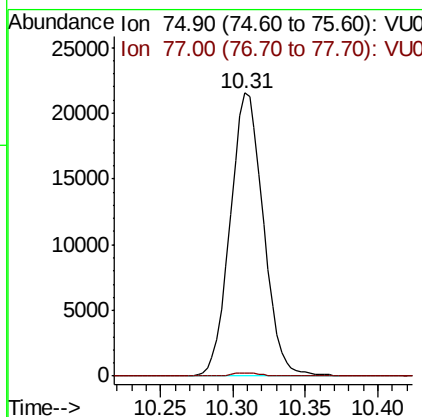
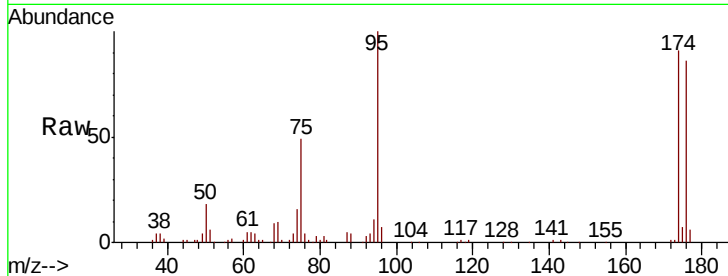




#76
 1,2,3-Trichloropropane
 Concen: 20.144 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

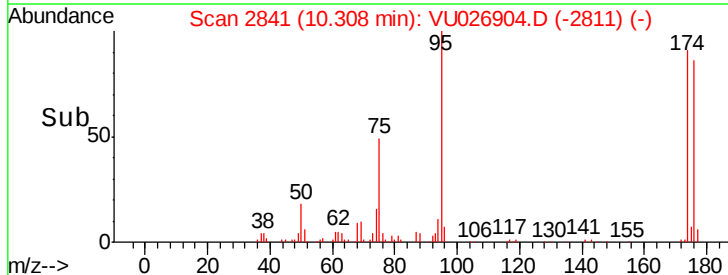
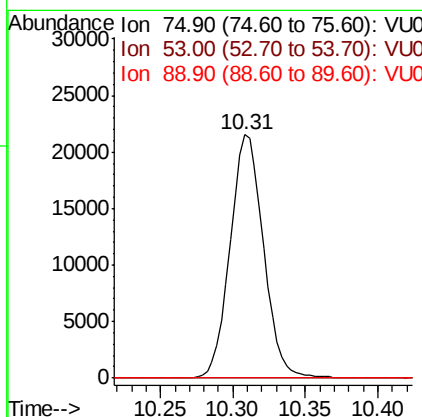
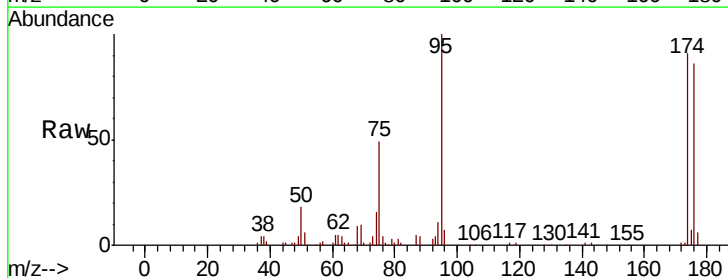
Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW306D-20180913

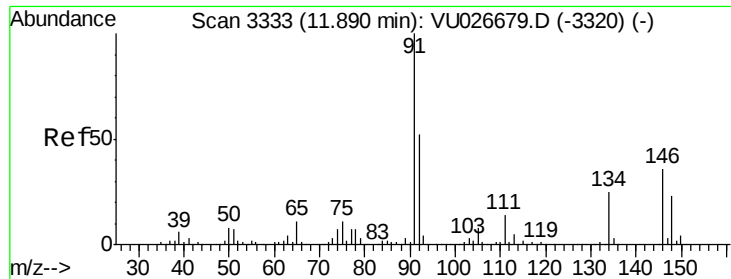
Tgt Ion: 75 Resp: 34289
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.1 63.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.444 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

Tgt Ion: 75 Resp: 34289
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#89
 n-Butylbenzene
 Concen: 2.113 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU026904.D
 Acq: 19 Sep 2018 18:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW306D-20180913

Tgt Ion:	91	Resp:	20
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.8	77.3#
134	0.0	12.6	37.8#

