

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027117.D
 Acq On : 24 Sep 2018 18:27
 Operator : MD/SY
 Sample : J4968-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ458S-20180917

Quant Time: Sep 25 01:36:51 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	96275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163456	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74469	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	100915	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
35) Dibromofluoromethane	4.88	113	69656	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
50) Toluene-d8	7.57	98	255091	47.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	10.31	95	86469	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	

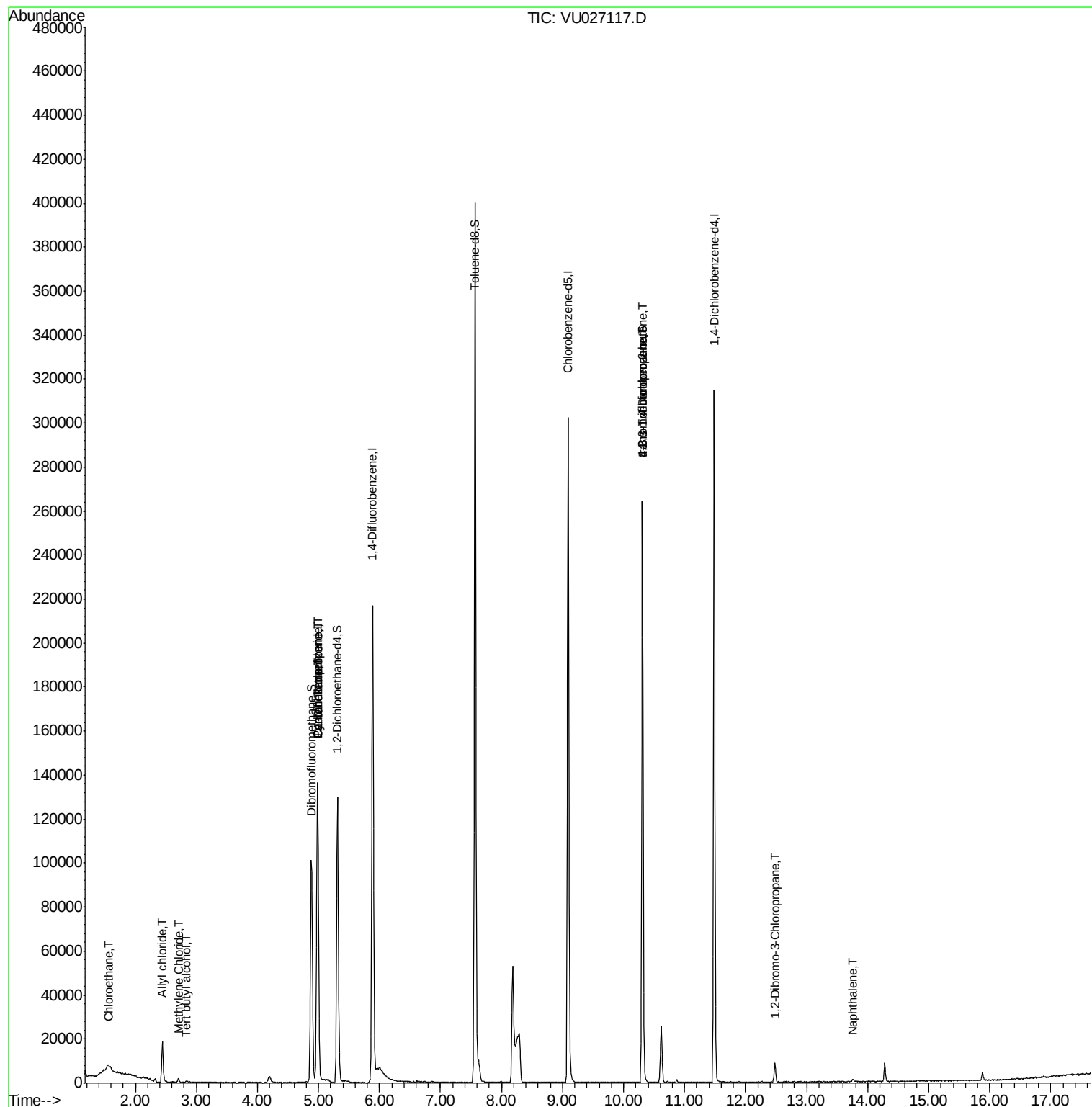
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.57	64	2271	1.757	ug/l #	48
11) Tert butyl alcohol	2.83	59	179	0.403	ug/l #	72
14) Allyl chloride	2.44	41	1931	0.716	ug/l #	77
16) Acetone	2.32	43	1728	Below Cal		98
20) Methylene Chloride	2.71	84	689	0.397	ug/l #	86
31) Cyclohexane	4.98	56	2551	0.312	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9016	4.133	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10289	4.956	ug/l #	18
76) 1,2,3-Trichloropropane	10.31	75	47441	20.970	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	47441	67.107	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	212	0.399	ug/l #	7
95) Naphthalene	13.75	128	2107	2.019	ug/l #	79

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

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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

Instrument :

MSVOA_U

ClientSampleId :

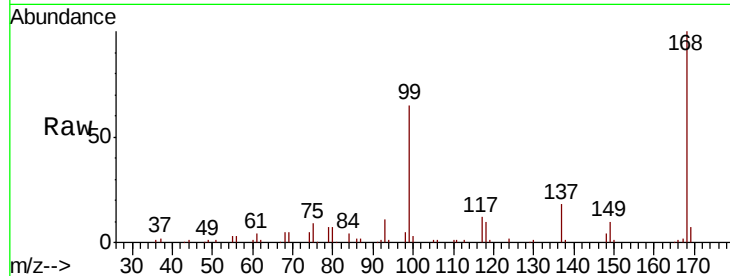
FT-PZ458S-20180917

Tgt Ion:168 Resp: 96275

Ion Ratio Lower Upper

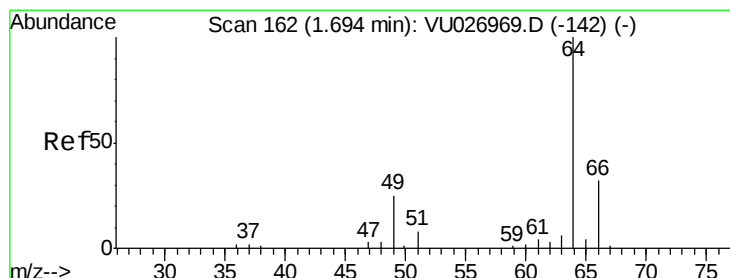
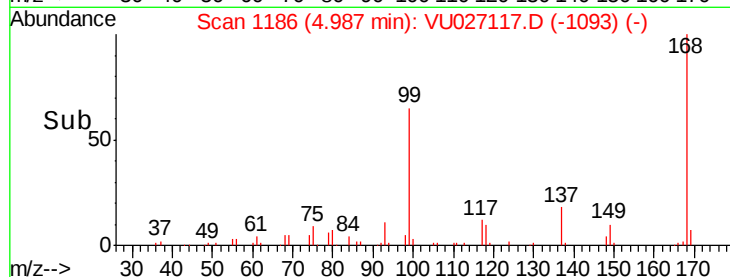
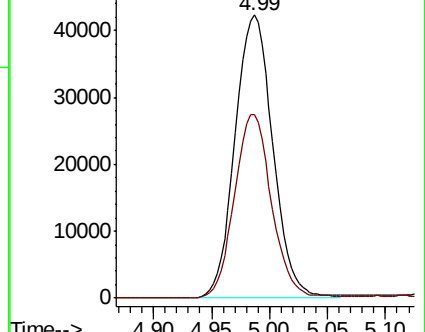
168 100

99 64.9 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU027117.D (-1093) (-)



#6

Chloroethane

Concen: 1.757 ug/l

RT: 1.57 min Scan# 123

Delta R.T. -0.13 min

Lab File: VU027117.D

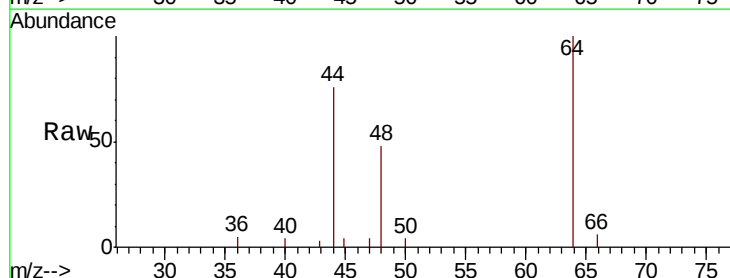
Acq: 24 Sep 2018 18:27

Tgt Ion: 64 Resp: 2271

Ion Ratio Lower Upper

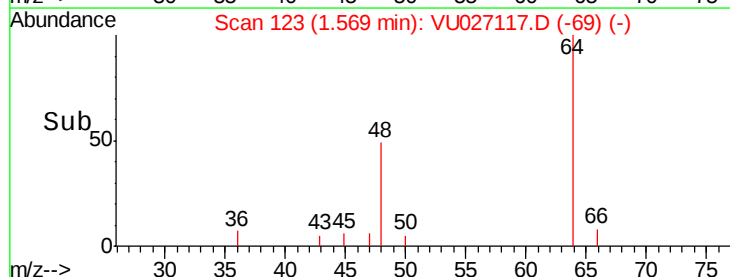
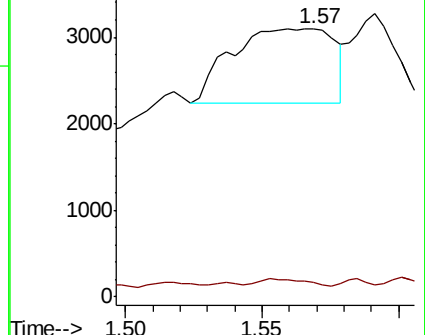
64 100

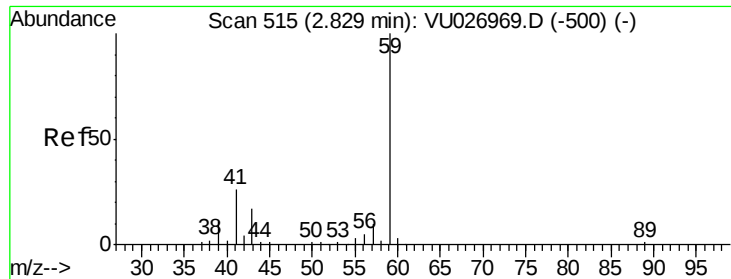
66 2.6 25.3 37.9#



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

Ion 65.90 (65.60 to 66.60): VU027117.D (-69) (-)

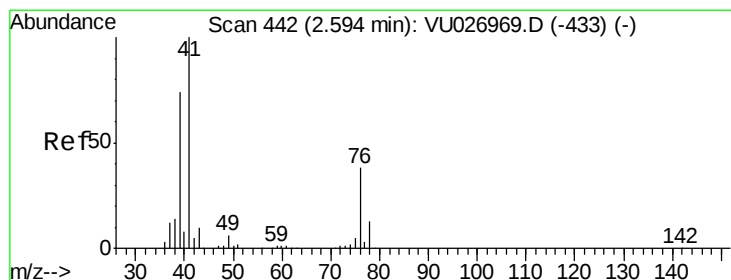
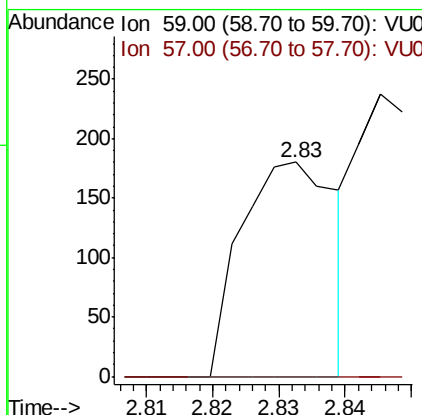
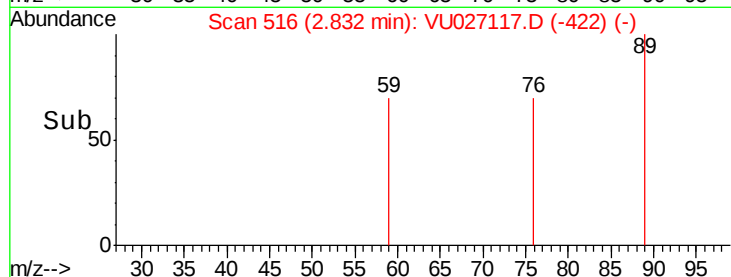
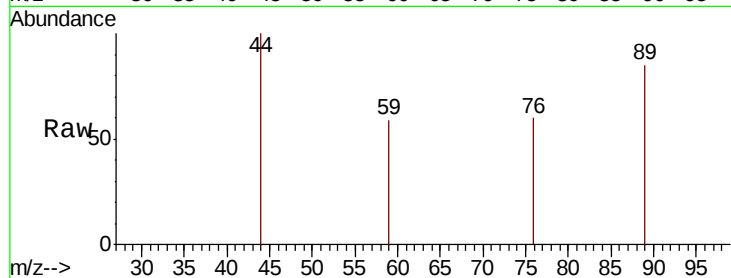




#11
Tert butyl alcohol
Concen: 0.403 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU027117.D
Acq: 24 Sep 2018 18:27

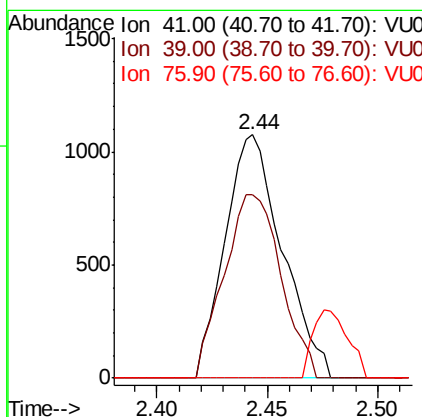
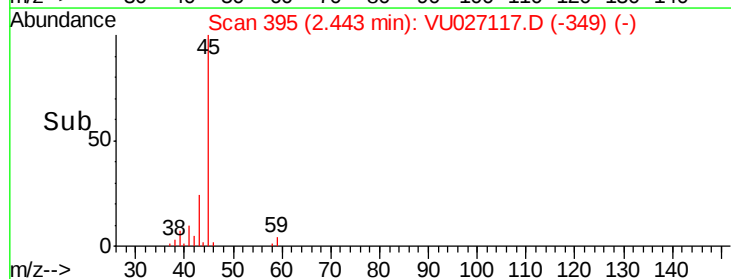
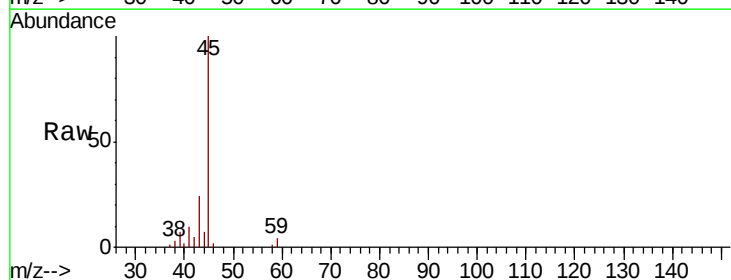
Instrument :
MSVOA_U
ClientSampleId :
FT-PZ458S-20180917

Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.716 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027117.D
Acq: 24 Sep 2018 18:27

Tgt Ion: 41 Resp: 1931
Ion Ratio Lower Upper
41 100
39 75.1 55.7 83.5
76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

Instrument :

MSVOA_U

ClientSampleId :

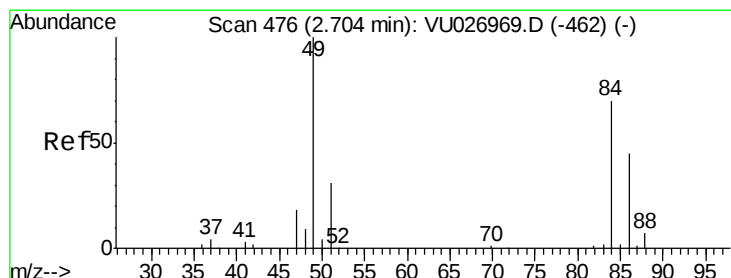
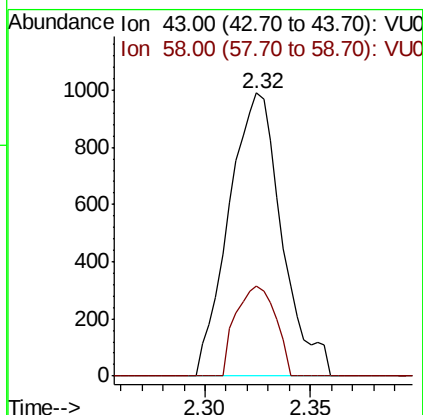
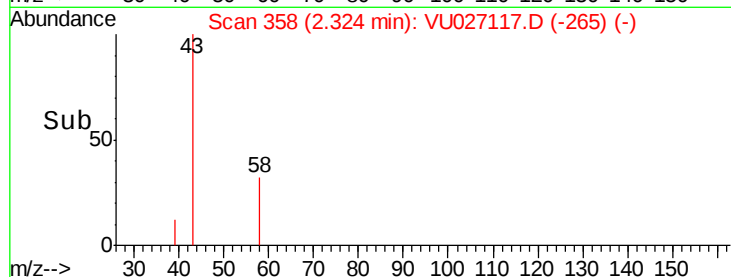
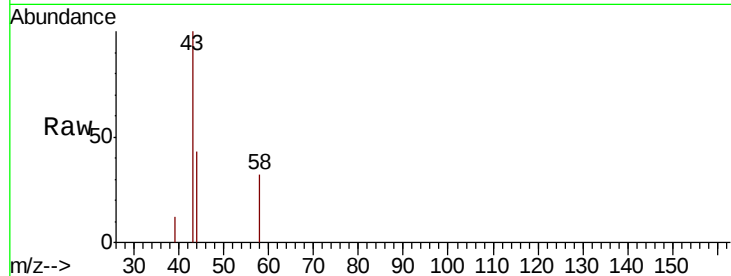
FT-PZ458S-20180917

Tgt Ion: 43 Resp: 1728

Ion Ratio Lower Upper

43 100

58 31.7 24.6 36.8



#20

Methylene Chloride

Concen: 0.397 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

Tgt Ion: 84 Resp: 689

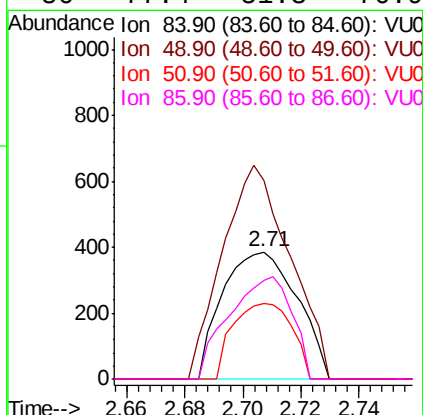
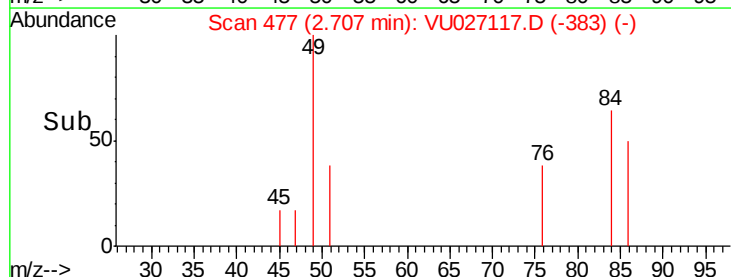
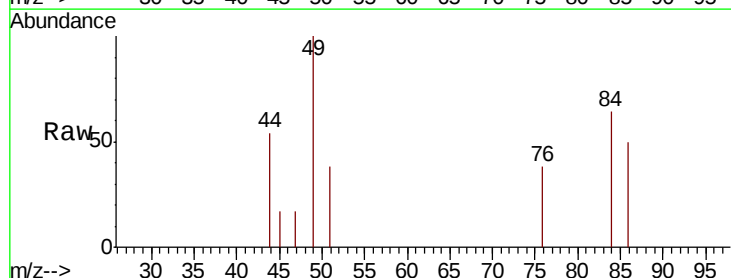
Ion Ratio Lower Upper

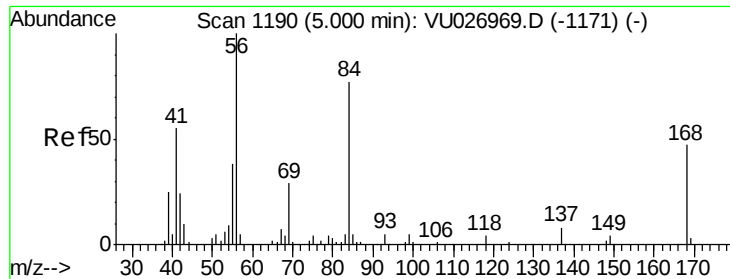
84 100

49 156.1 114.9 172.3

51 59.2 35.8 53.8#

86 77.4 51.3 76.9#

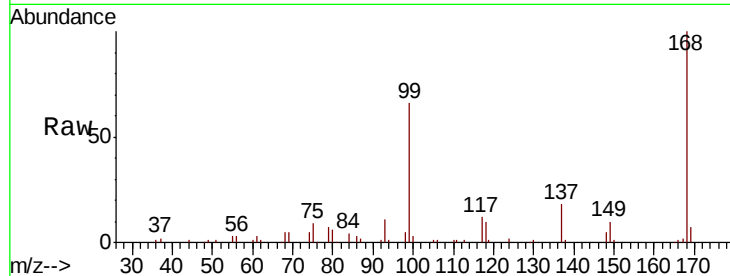




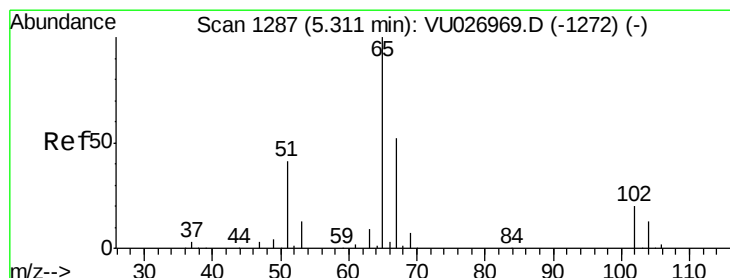
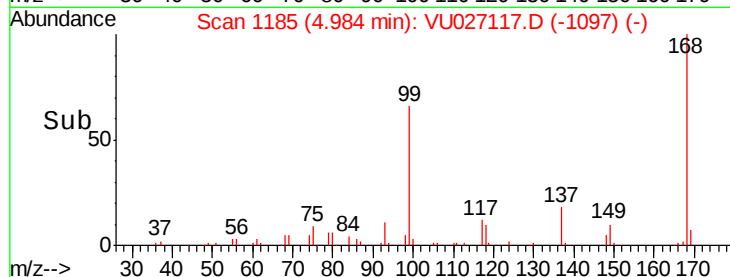
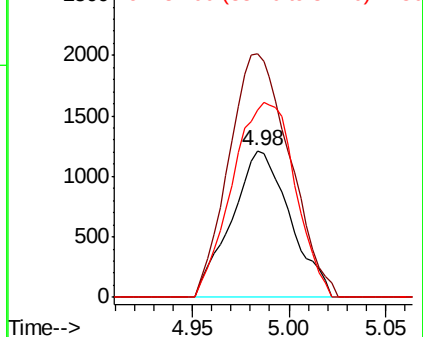
#31
Cyclohexane
Concen: 0.312 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027117.D
Acq: 24 Sep 2018 18:27

Instrument :
MSVOA_U
ClientSampleId :
FT-PZ458S-20180917

Tgt Ion: 56 Resp: 2551
Ion Ratio Lower Upper
56 100
69 166.2 23.0 34.4#
84 127.7 61.4 92.2#

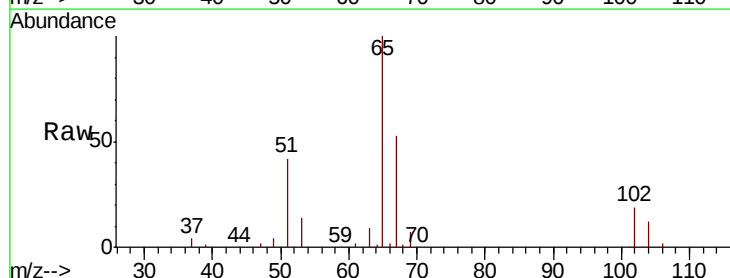


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

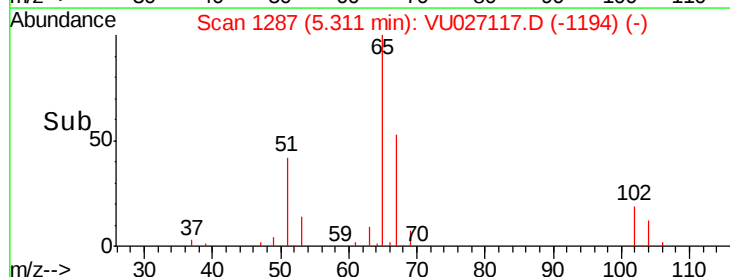
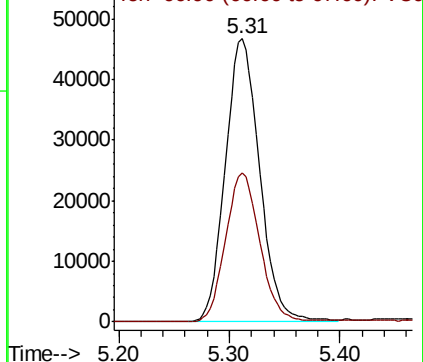


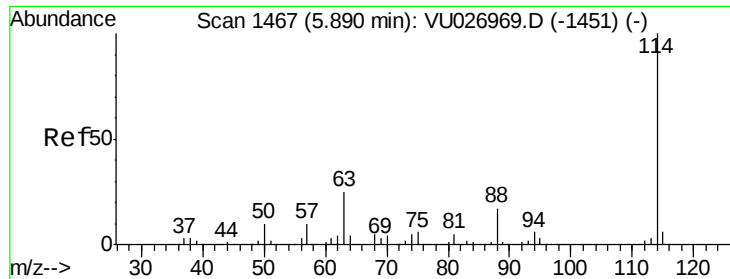
#33
1,2-Dichloroethane-d4
Concen: 52.080 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027117.D
Acq: 24 Sep 2018 18:27

Tgt Ion: 65 Resp: 100915
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



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

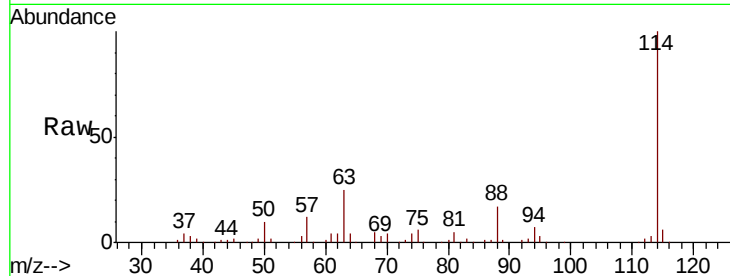




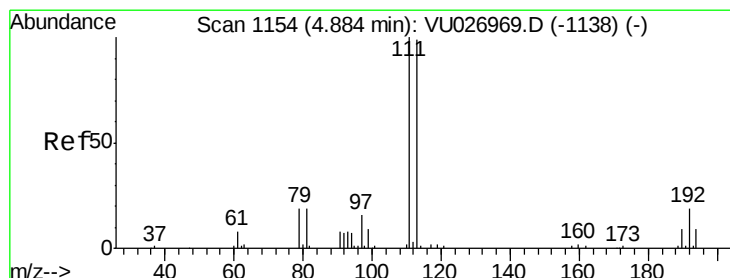
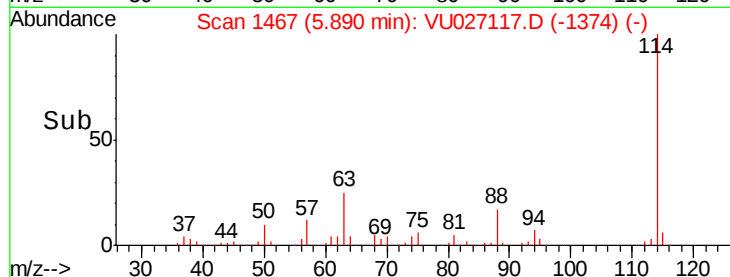
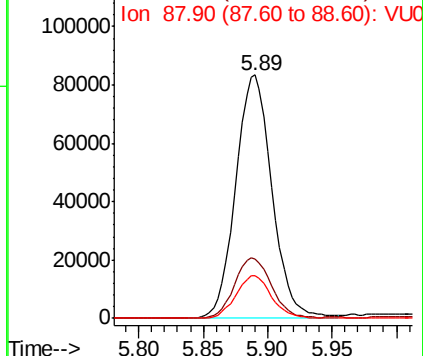
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027117.D
 Acq: 24 Sep 2018 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ458S-20180917

Tgt Ion:114 Resp: 163456
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.5 0.0 33.8

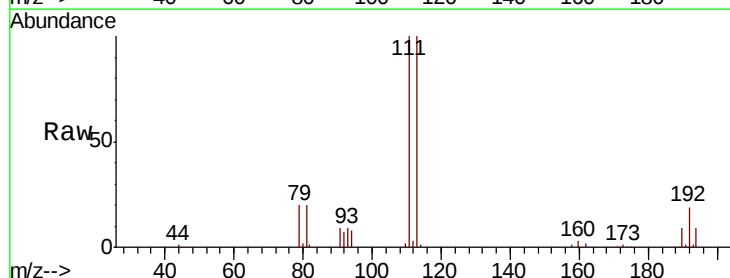


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

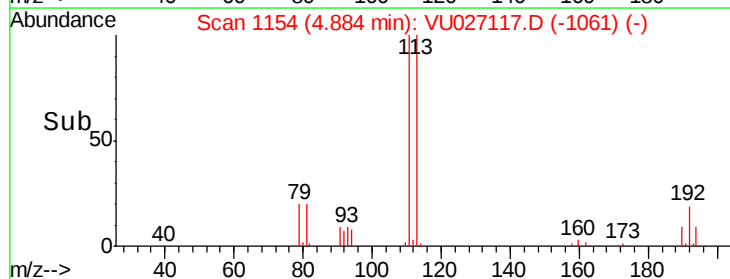
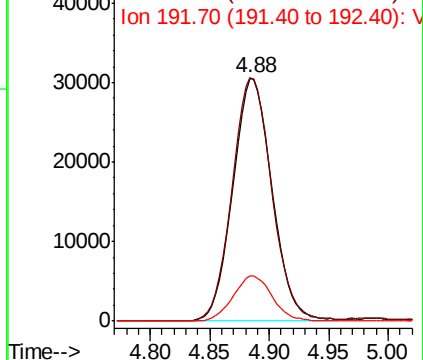


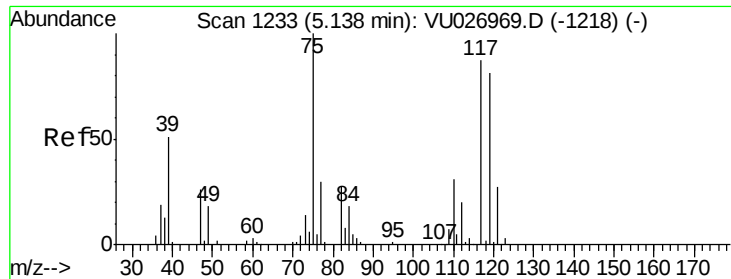
#35
 Dibromofluoromethane
 Concen: 49.163 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027117.D
 Acq: 24 Sep 2018 18:27

Tgt Ion:113 Resp: 69656
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 18.5 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

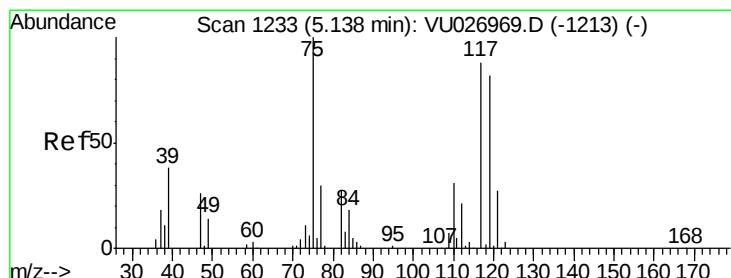
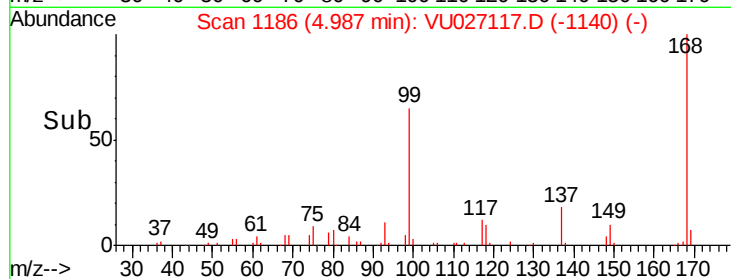
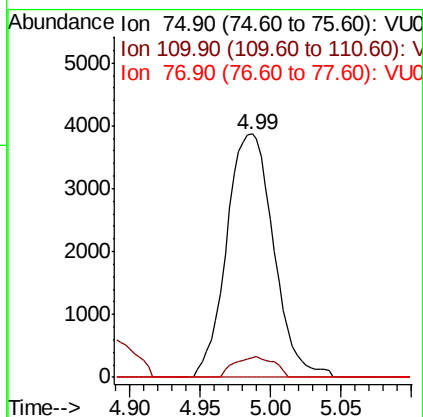
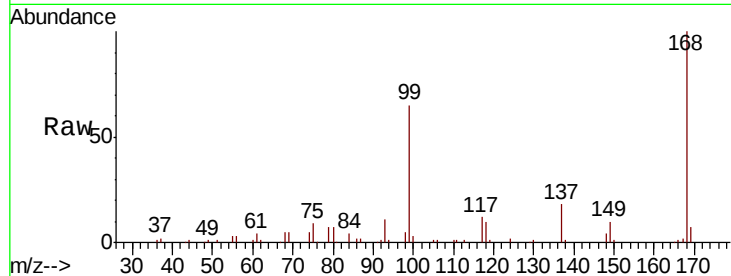




#36
 1,1-Dichloropropene
 Concen: 4.133 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027117.D
 Acq: 24 Sep 2018 18:27

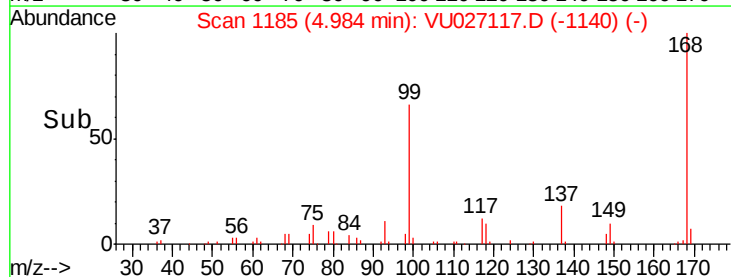
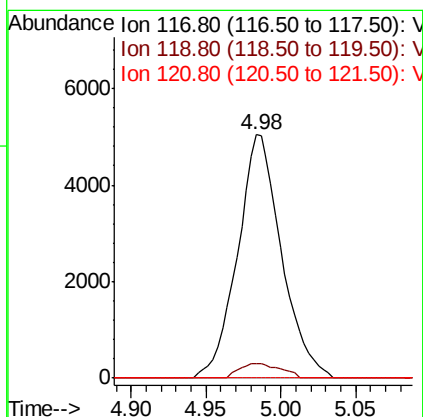
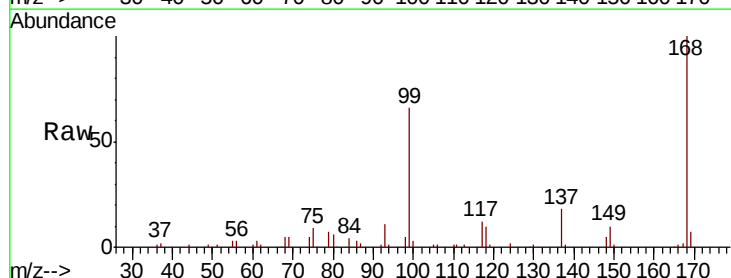
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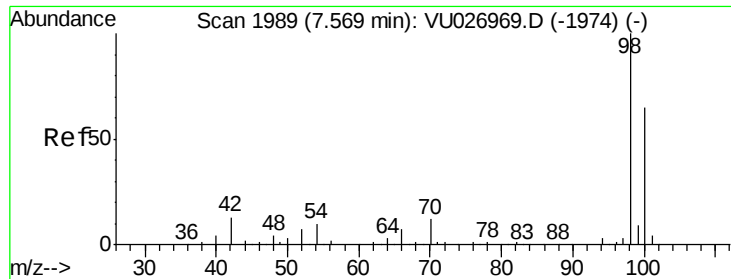
Tgt Ion: 75 Resp: 9016
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.956 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027117.D
 Acq: 24 Sep 2018 18:27

Tgt Ion: 117 Resp: 10289
 Ion Ratio Lower Upper
 117 100
 119 6.1 74.4 111.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 47.242 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

Instrument :

MSVOA_U

ClientSampleId :

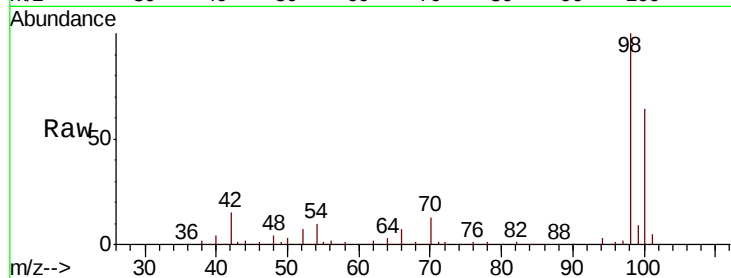
FT-PZ458S-20180917

Tgt Ion: 98 Resp: 255091

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

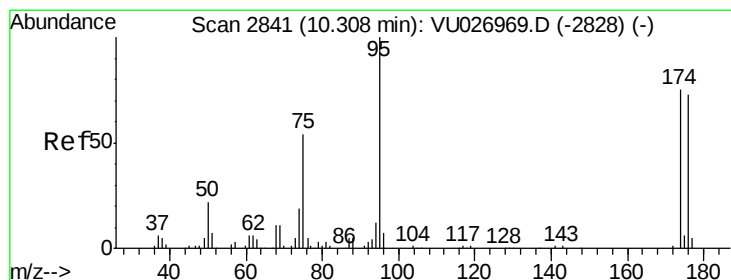
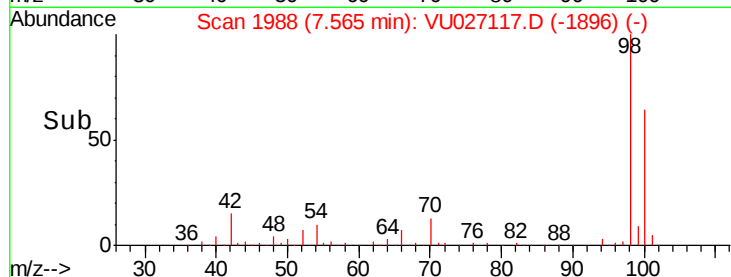
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.670 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

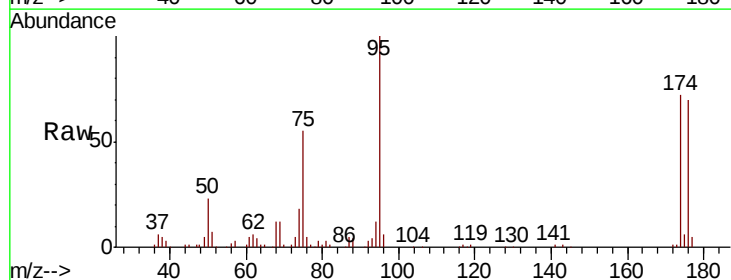
Tgt Ion: 95 Resp: 86469

Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.2

176 70.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

10.31

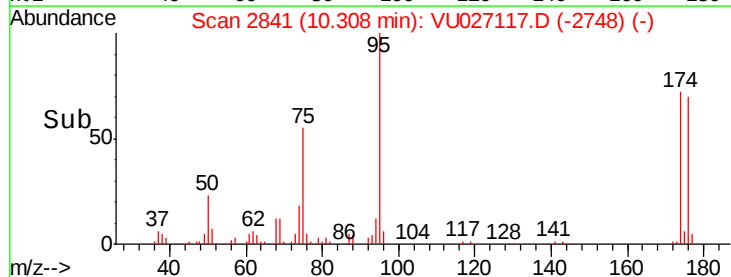
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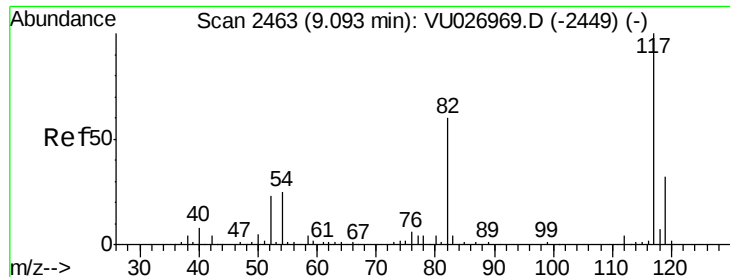
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Time-->

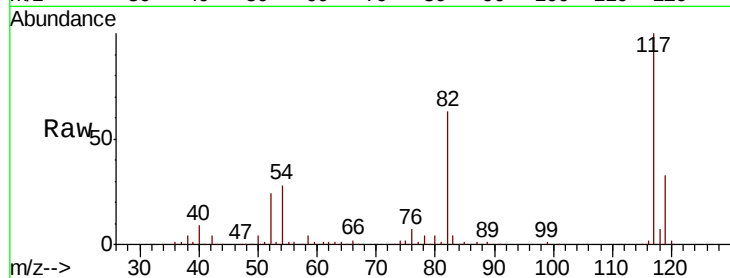




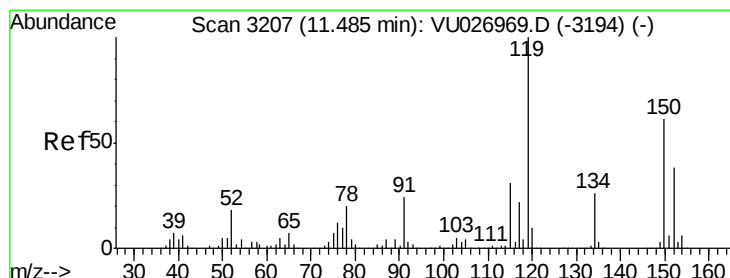
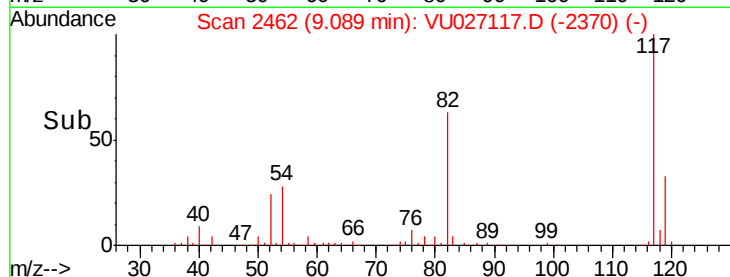
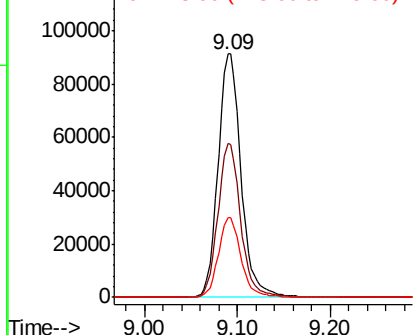
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027117.D
Acq: 24 Sep 2018 18:27

Instrument :
MSVOA_U
ClientSampleId :
FT-PZ458S-20180917

Tgt Ion:117 Resp: 156794
Ion Ratio Lower Upper
117 100
82 63.2 48.0 72.0
119 32.6 25.8 38.8

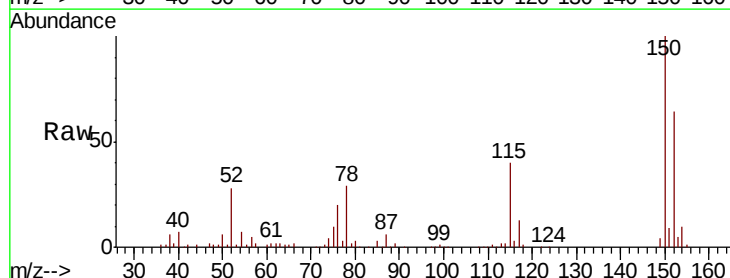


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

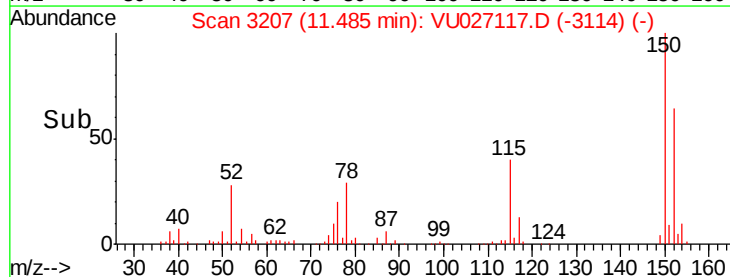
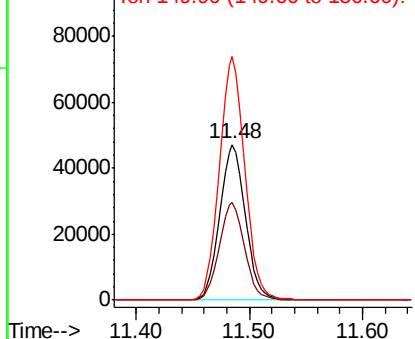


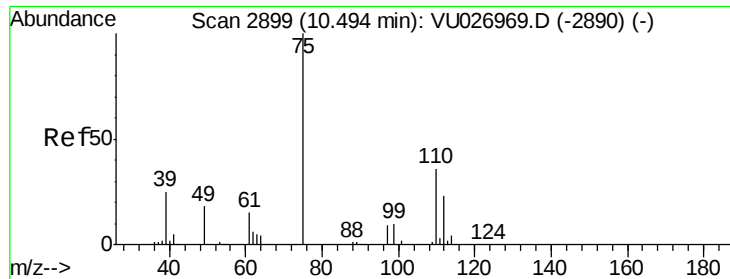
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027117.D
Acq: 24 Sep 2018 18:27

Tgt Ion:152 Resp: 74469
Ion Ratio Lower Upper
152 100
115 61.9 44.9 134.5
150 155.4 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

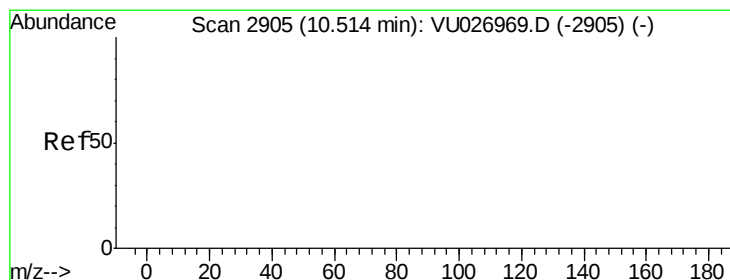
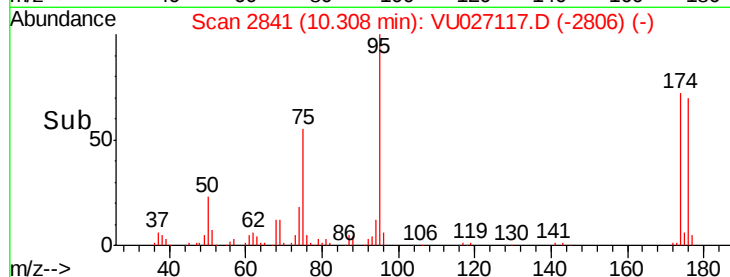
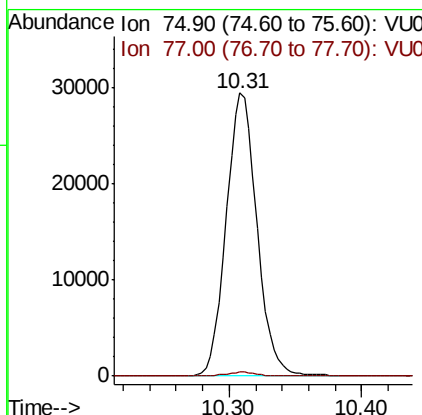
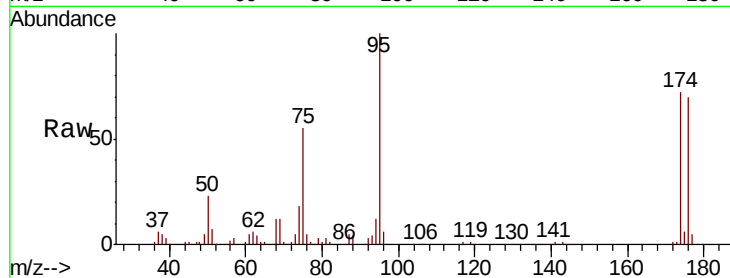




#76
 1,2,3-Trichloropropane
 Concen: 20.970 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027117.D
 Acq: 24 Sep 2018 18:27

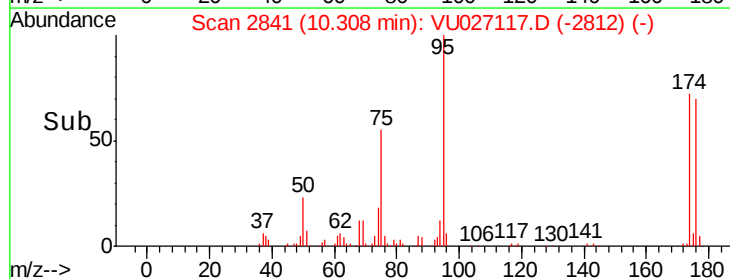
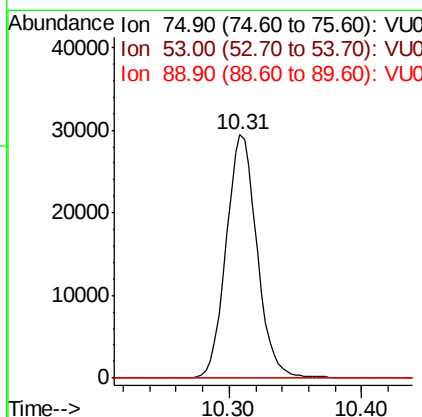
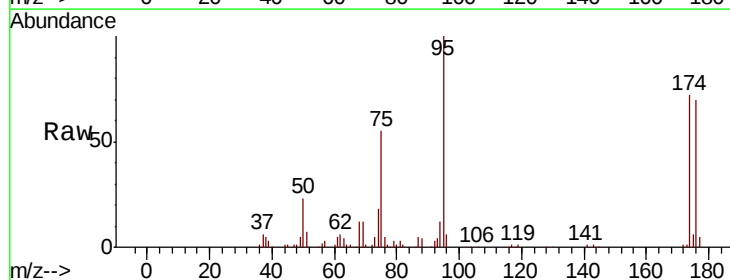
Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ458S-20180917

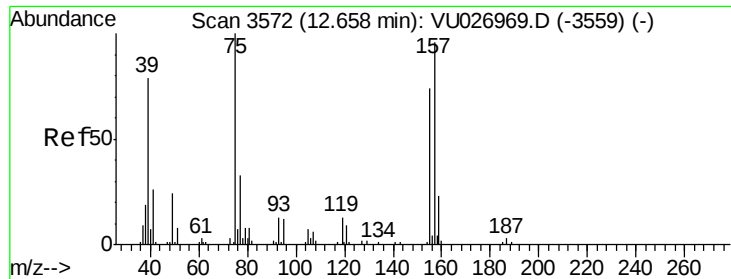
Tgt Ion: 75 Resp: 47441
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.107 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027117.D
 Acq: 24 Sep 2018 18:27

Tgt Ion: 75 Resp: 47441
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.399 ug/l

RT: 12.48 min Scan# 3518

Delta R.T. -0.17 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ458S-20180917

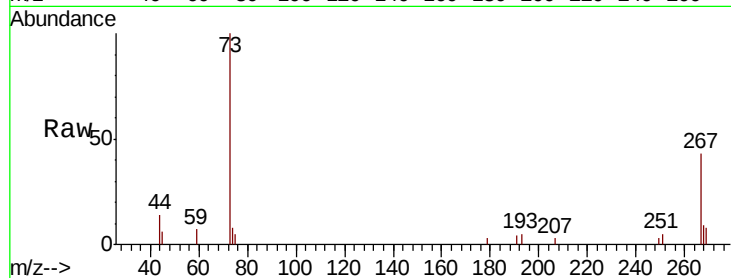
Tgt Ion: 75 Resp: 212

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.8#

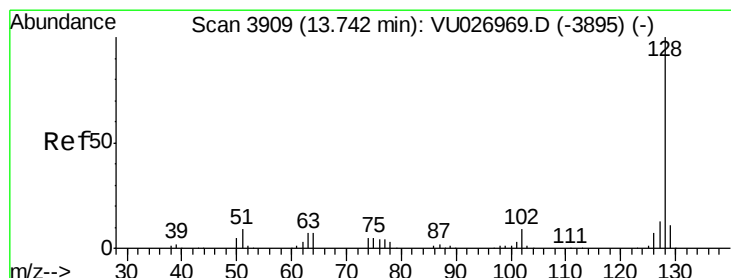
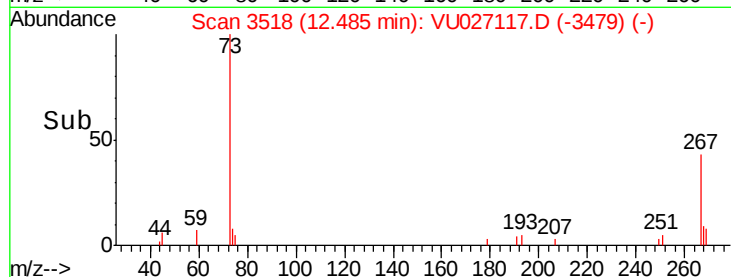
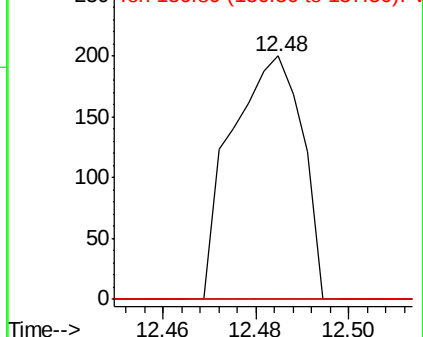
157 0.0 47.4 142.2#



Abundance Ion 74.90 (74.60 to 75.60): VU027117.D (-3479) (-)

Ion 154.80 (154.50 to 155.50): VU027117.D (-3479) (-)

Ion 156.80 (156.50 to 157.50): VU027117.D (-3479) (-)



#95

Naphthalene

Concen: 2.019 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027117.D

Acq: 24 Sep 2018 18:27

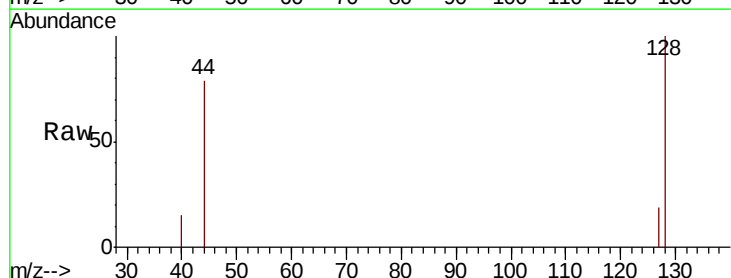
Tgt Ion: 128 Resp: 2107

Ion Ratio Lower Upper

128 100

127 5.6 10.6 15.8#

129 1.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU027117.D (-3815) (-)

Ion 127.00 (126.70 to 127.70): VU027117.D (-3815) (-)

Ion 129.00 (128.70 to 129.70): VU027117.D (-3815) (-)

