

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027114.D
 Acq On : 24 Sep 2018 17:18
 Operator : MD/SY
 Sample : J4969-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ456S-20180917

Quant Time: Sep 25 01:36:18 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	92189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158535	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69994	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96819	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	4.89	113	67004	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	7.57	98	255096	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	10.31	95	82851	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

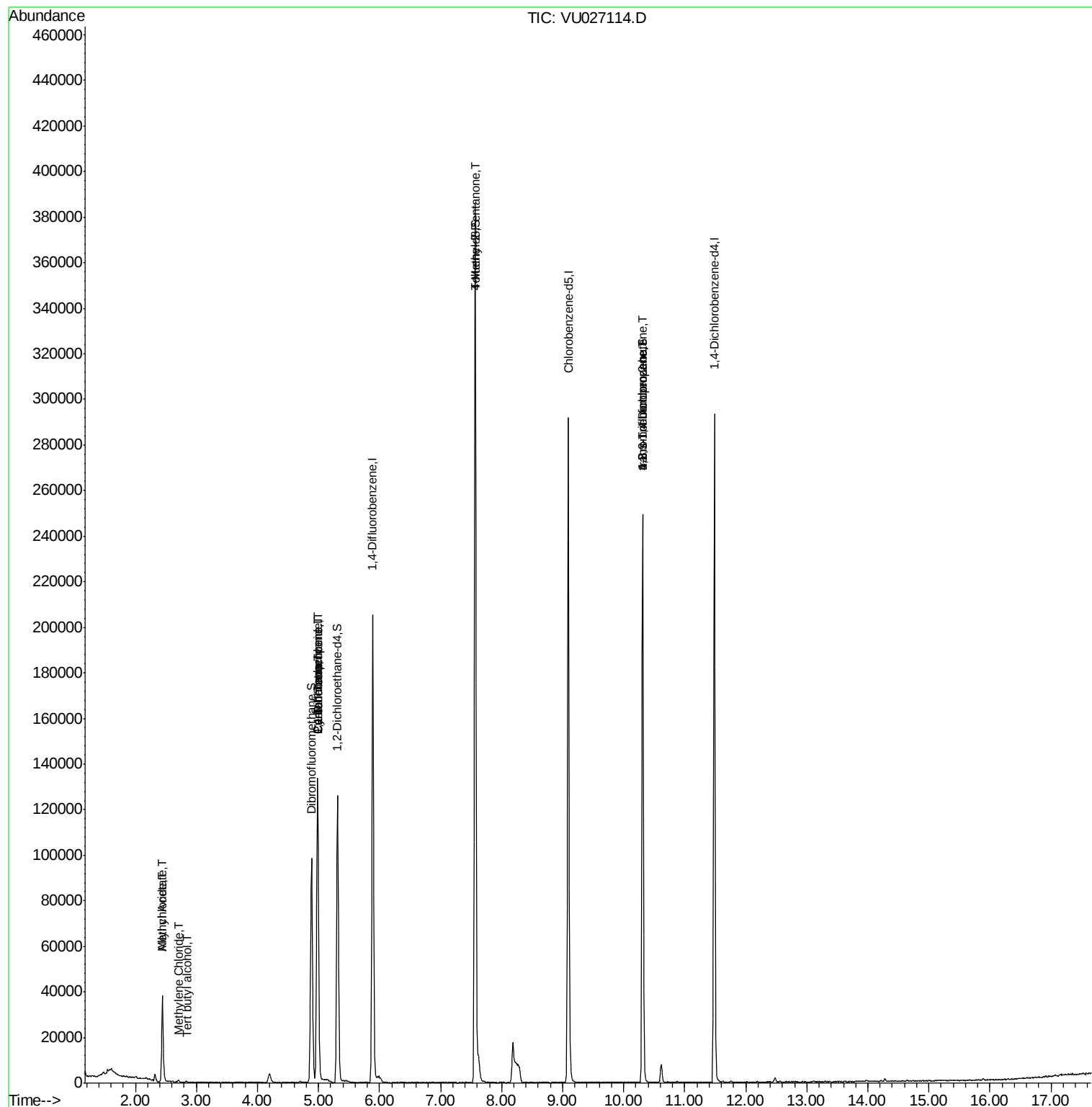
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.84	59	255	0.600	ug/l #	72
14) Allyl chloride	2.44	41	3957	1.532	ug/l #	72
16) Acetone	2.32	43	3121	Below Cal		97
18) Methyl Acetate	2.44	43	9951	3.768	ug/l #	55
20) Methylene Chloride	2.70	84	386	0.232	ug/l #	89
31) Cyclohexane	4.99	56	2676	0.397	ug/l #	21
36) 1,1-Dichloropropene	4.99	75	9182	4.340	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9928	4.931	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1228	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44841	21.088	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44841	67.485	ug/l #	100

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

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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: VU027114.D

Acq: 24 Sep 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

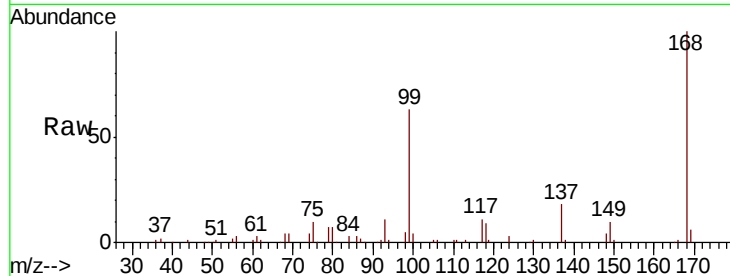
FT-PZ456S-20180917

Tgt Ion:168 Resp: 92189

Ion Ratio Lower Upper

168 100

99 63.4 48.1 72.1



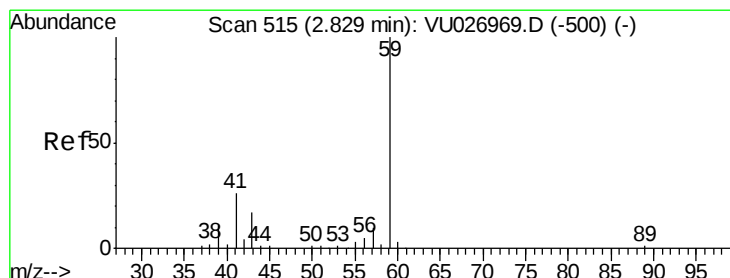
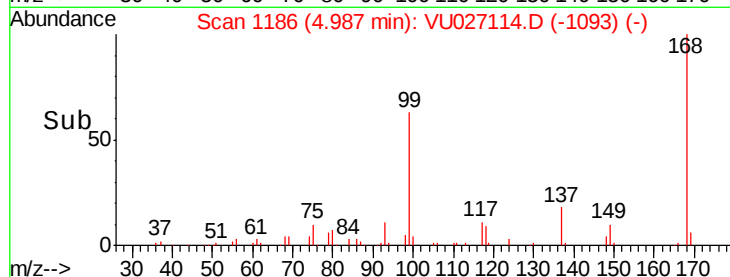
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 0.600 ug/l

RT: 2.84 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU027114.D

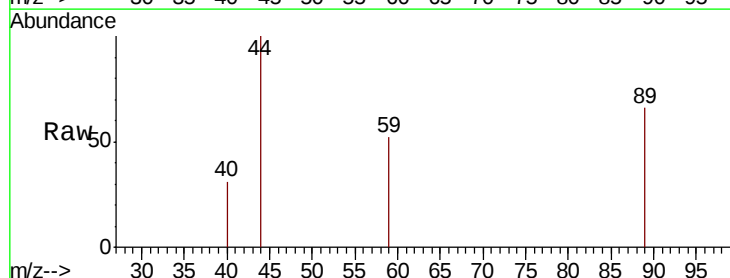
Acq: 24 Sep 2018 17:18

Tgt Ion: 59 Resp: 255

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



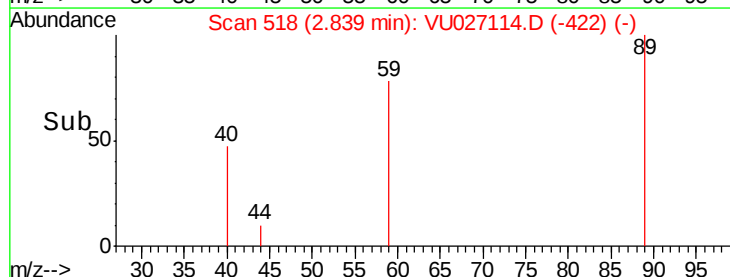
Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

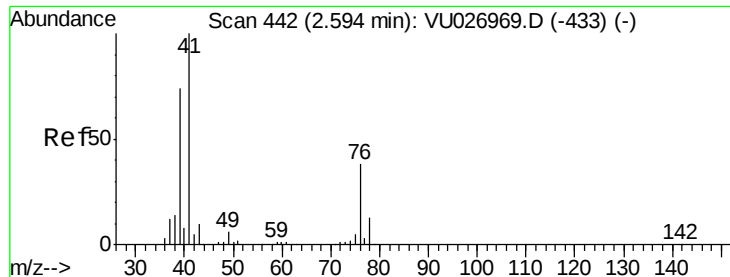
Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

2.80 2.82 2.84 2.86

Time-->

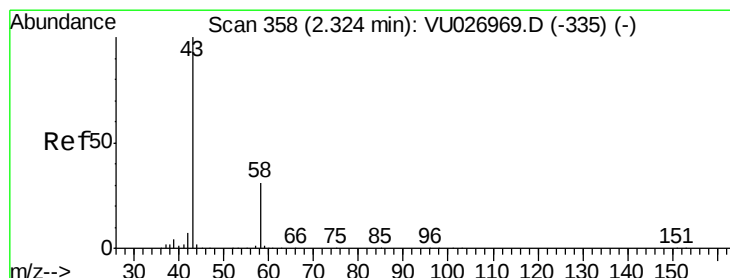
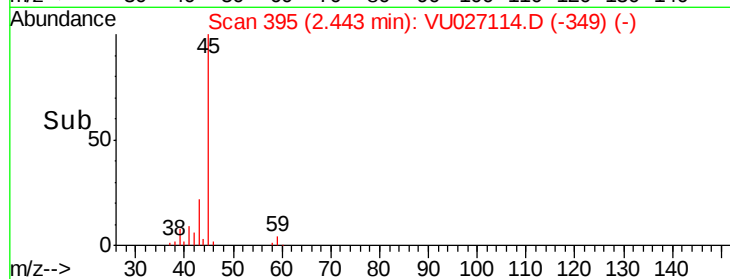
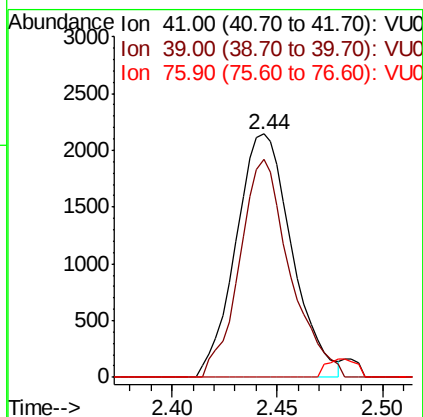
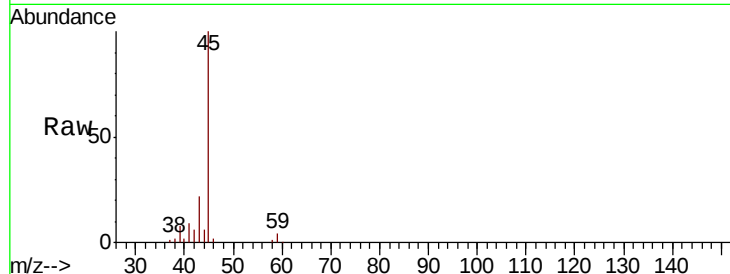




#14
 Allyl chloride
 Concen: 1.532 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027114.D
 Acq: 24 Sep 2018 17:18

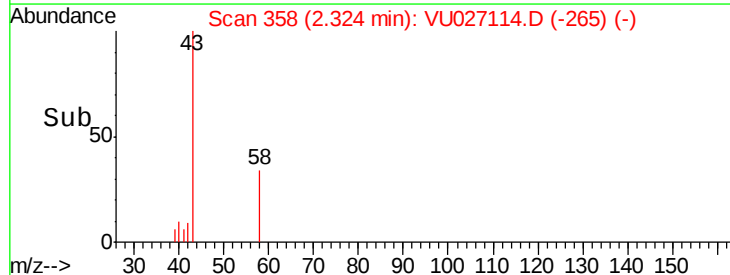
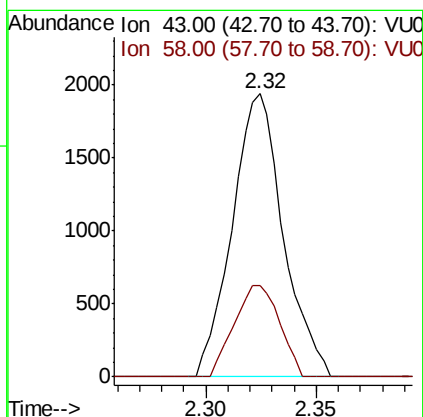
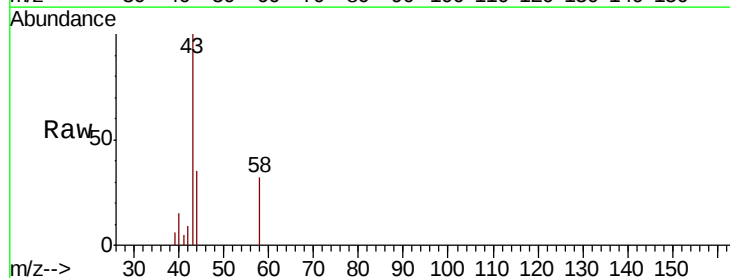
Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ456S-20180917

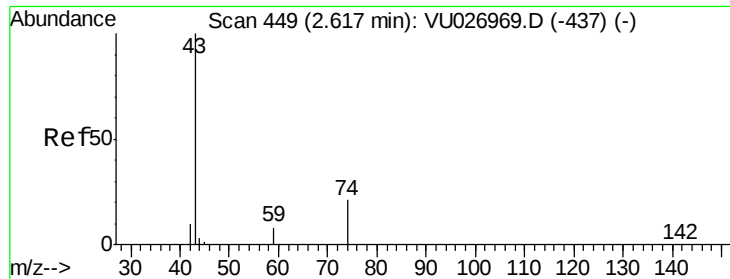
Tgt Ion: 41 Resp: 3957
 Ion Ratio Lower Upper
 41 100
 39 80.3 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027114.D
 Acq: 24 Sep 2018 17:18

Tgt Ion: 43 Resp: 3121
 Ion Ratio Lower Upper
 43 100
 58 32.5 24.6 36.8

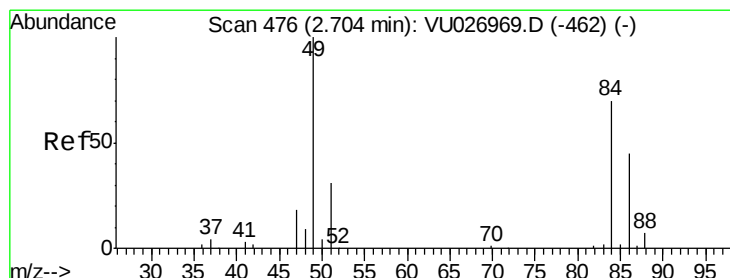
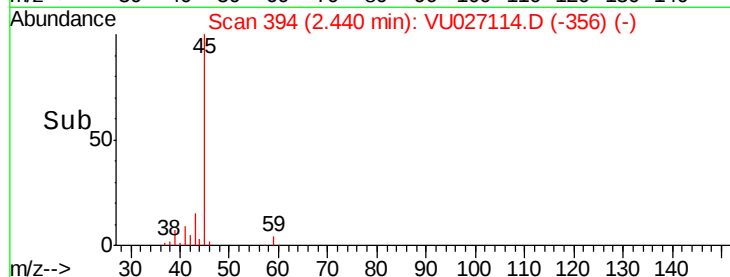
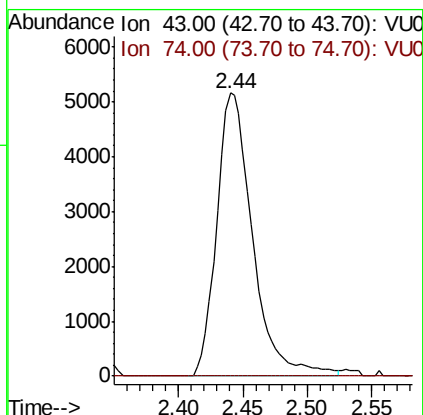
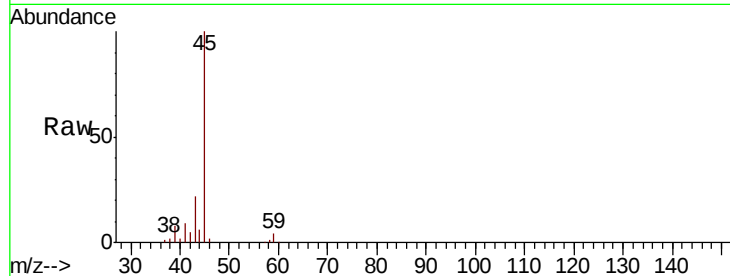




#18
Methyl Acetate
Concen: 3.768 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027114.D
Acq: 24 Sep 2018 17:18

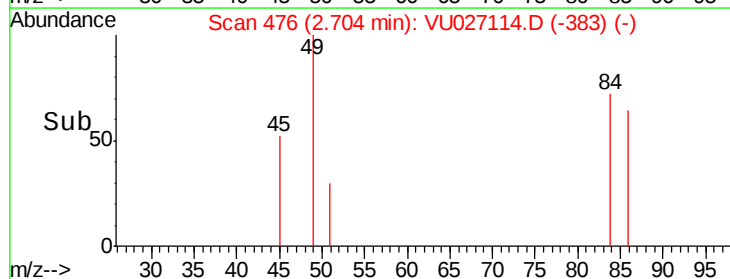
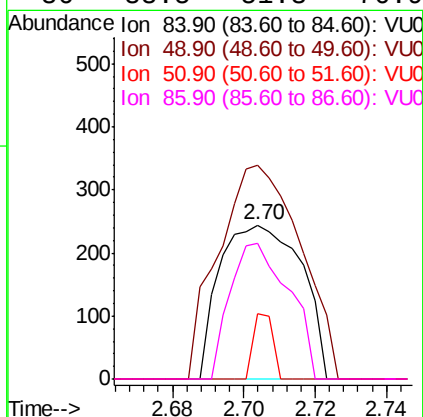
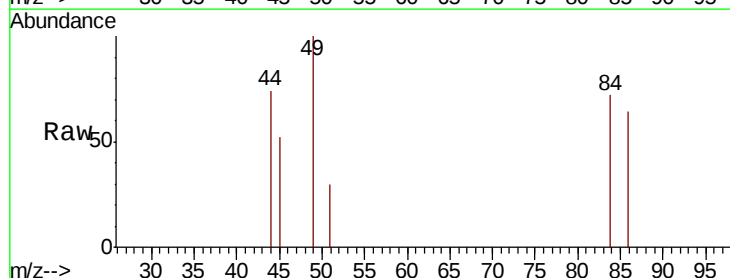
Instrument :
MSVOA_U
ClientSampleId :
FT-PZ456S-20180917

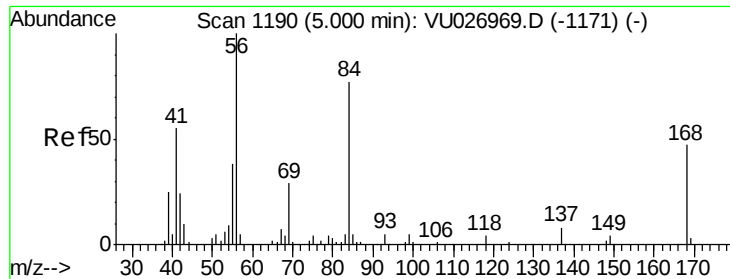
Tgt Ion: 43 Resp: 9951
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027114.D
Acq: 24 Sep 2018 17:18

Tgt Ion: 84 Resp: 386
Ion Ratio Lower Upper
84 100
49 138.9 114.9 172.3
51 42.2 35.8 53.8
86 88.5 51.3 76.9#

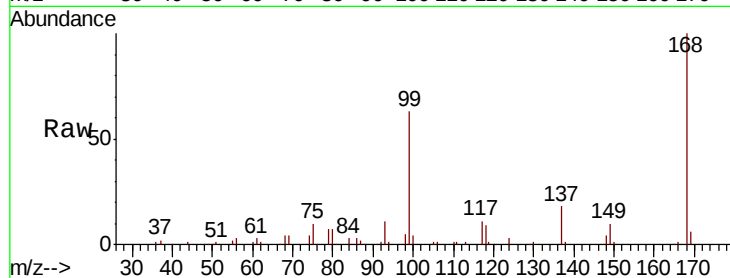




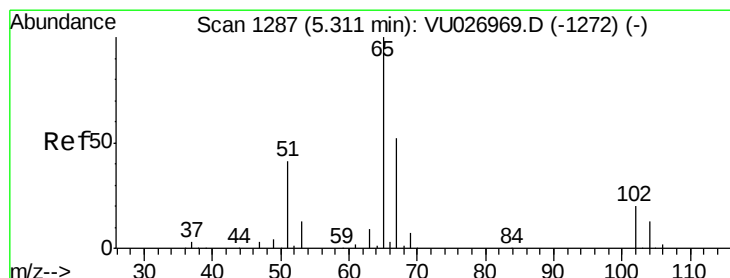
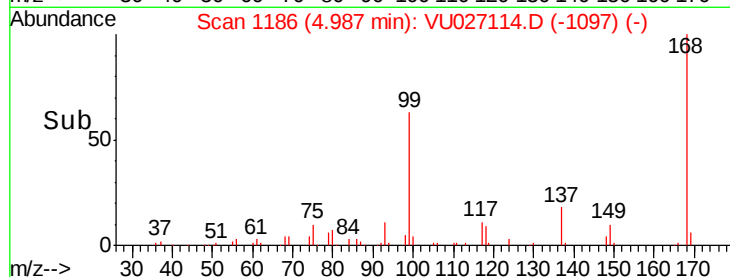
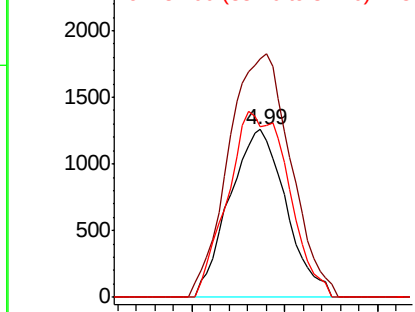
#31
Cyclohexane
Concen: 0.397 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027114.D
Acq: 24 Sep 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :
FT-PZ456S-20180917

Tgt Ion: 56 Resp: 2676
Ion Ratio Lower Upper
56 100
69 142.3 23.0 34.4#
84 102.1 61.4 92.2#

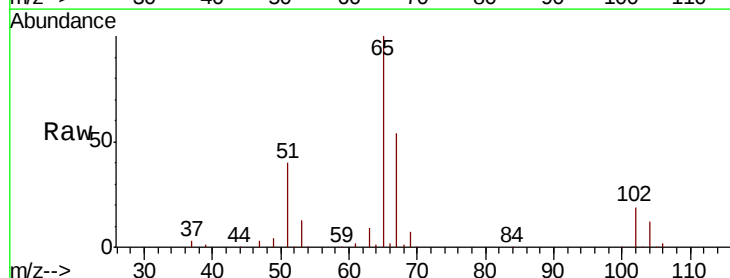


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

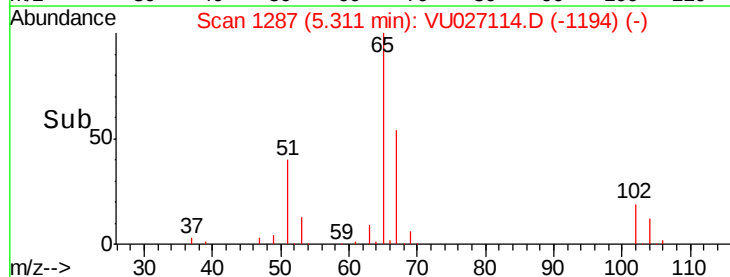
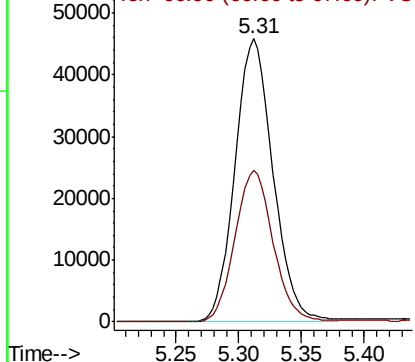


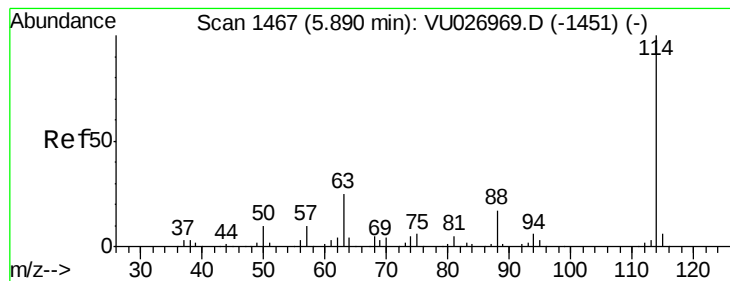
#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027114.D
Acq: 24 Sep 2018 17:18

Tgt Ion: 65 Resp: 96819
Ion Ratio Lower Upper
65 100
67 53.8 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: VU027114.D

Acq: 24 Sep 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ456S-20180917

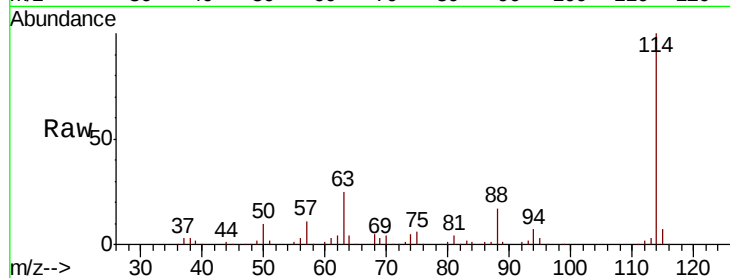
Tgt Ion:114 Resp: 158535

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

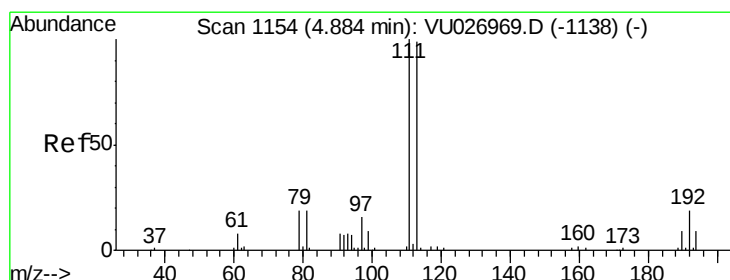
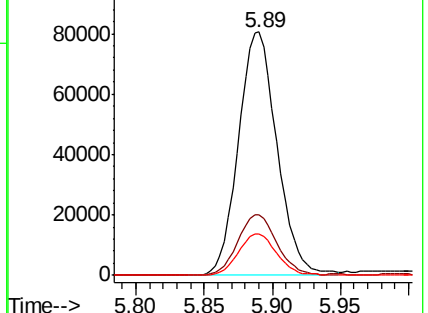
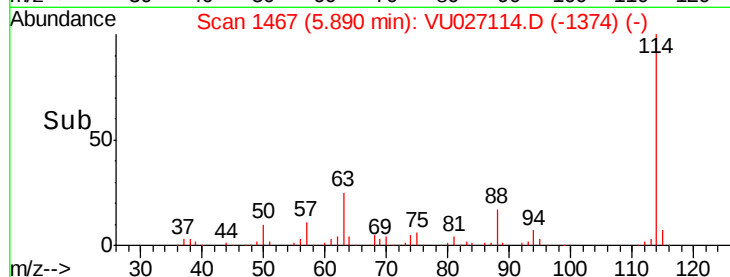
88 16.9 0.0 33.8



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: 48.759 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027114.D

Acq: 24 Sep 2018 17:18

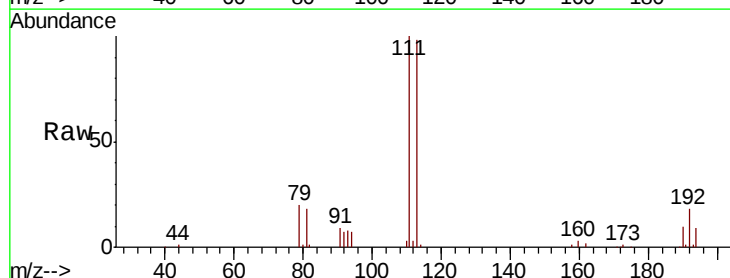
Tgt Ion:113 Resp: 67004

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

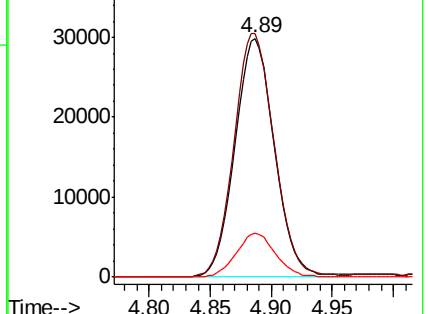
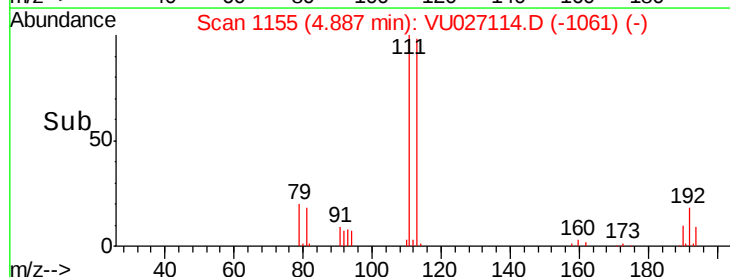
192 18.2 15.2 22.8

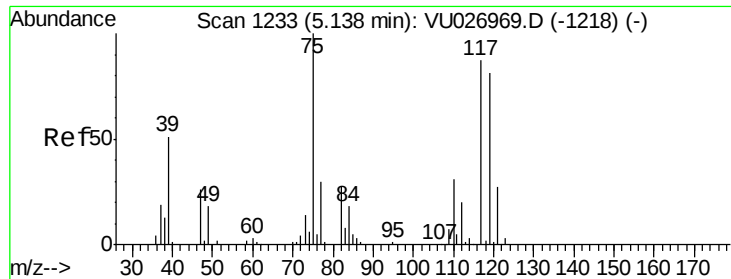


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

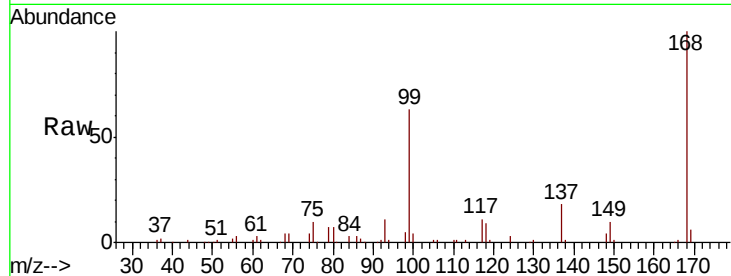




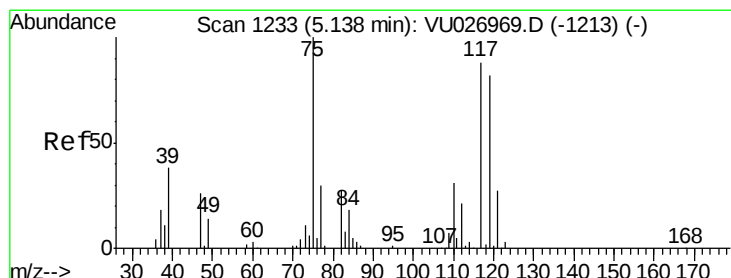
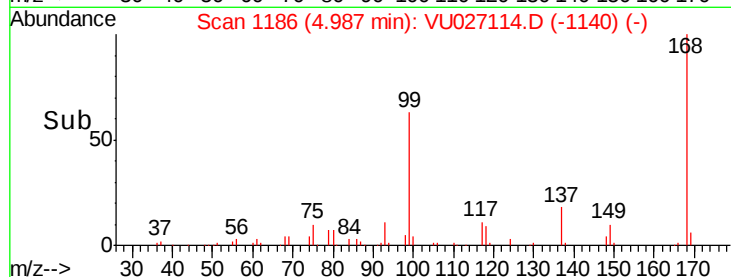
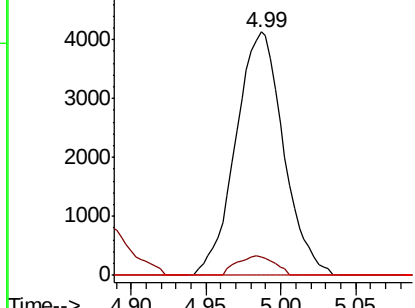
#36
 1,1-Dichloropropene
 Concen: 4.340 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027114.D
 Acq: 24 Sep 2018 17:18

Instrument :
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 FT-PZ456S-20180917

Tgt Ion: 75 Resp: 9182
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.1 48.2#
 77 0.0 24.6 36.8#

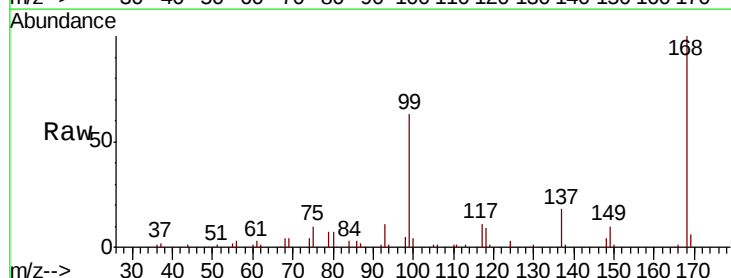


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

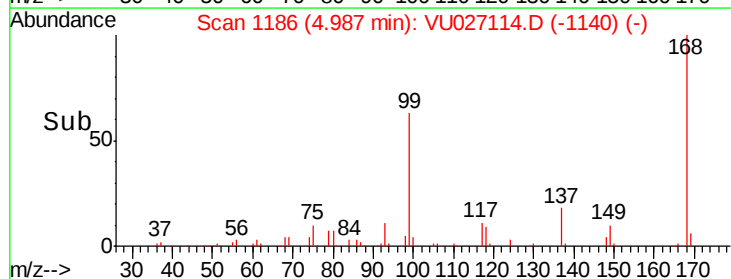
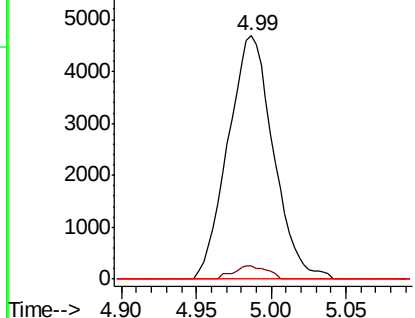


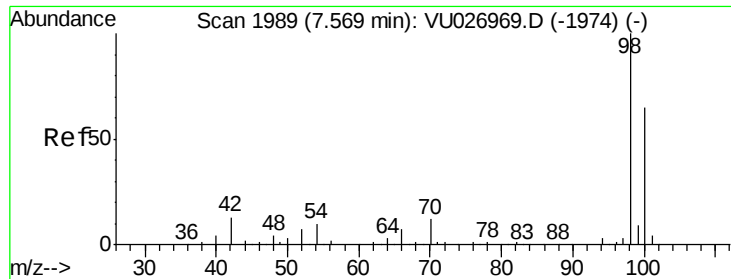
#38
 Carbon Tetrachloride
 Concen: 4.931 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027114.D
 Acq: 24 Sep 2018 17:18

Tgt Ion: 117 Resp: 9928
 Ion Ratio Lower Upper
 117 100
 119 5.6 74.4 111.6#
 121 0.0 24.2 36.4#



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





#50

Toluene-d8

Concen: 48.710 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027114.D

Acq: 24 Sep 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

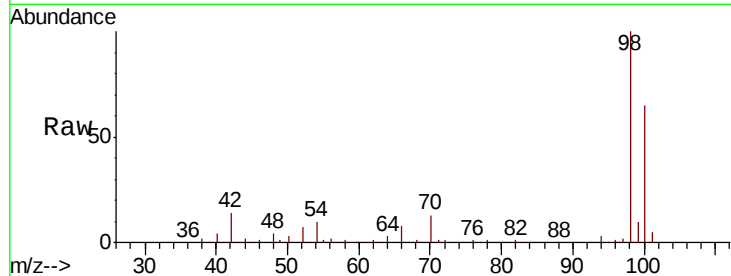
FT-PZ456S-20180917

Tgt Ion: 98 Resp: 255096

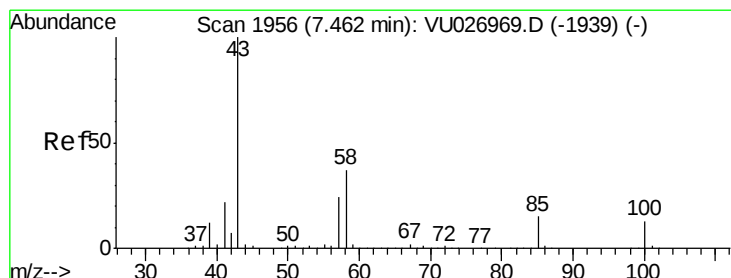
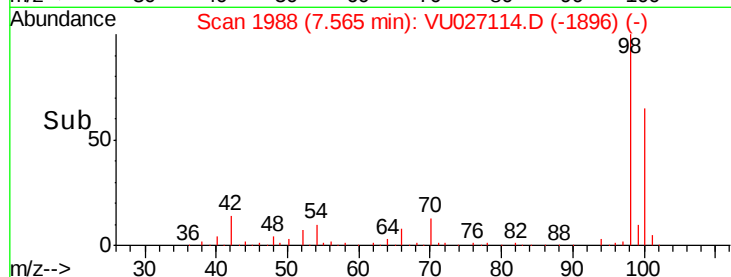
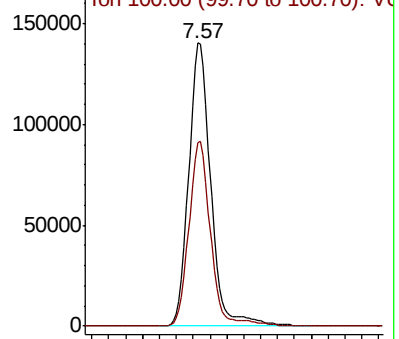
Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



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



#51

4-Methyl-2-Pentanone

Concen: 0.437 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027114.D

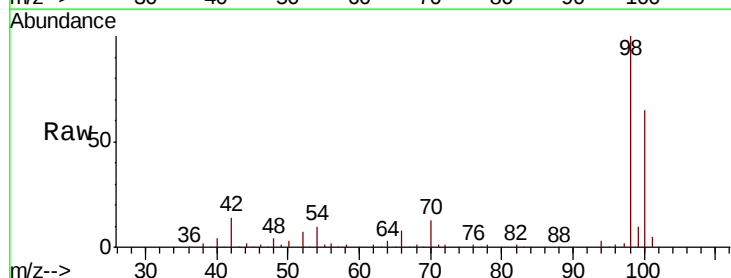
Acq: 24 Sep 2018 17:18

Tgt Ion: 43 Resp: 1228

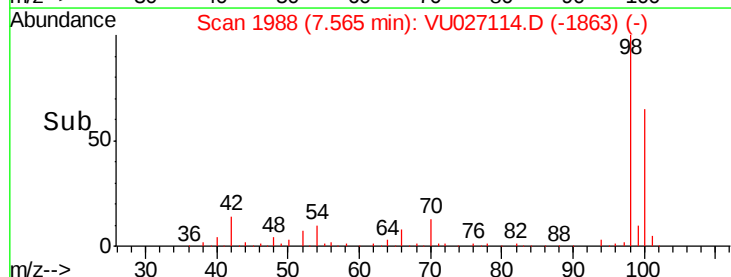
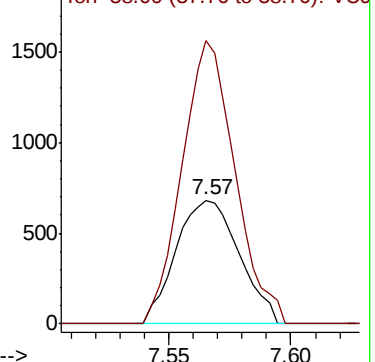
Ion Ratio Lower Upper

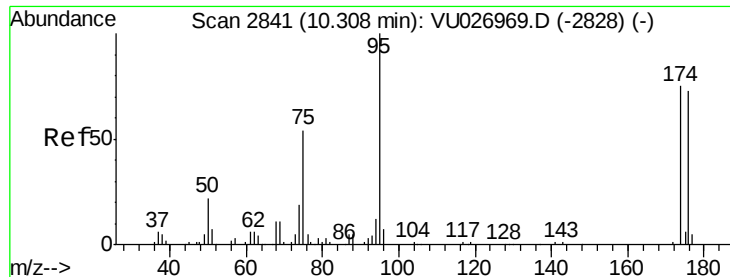
43 100

58 191.9 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

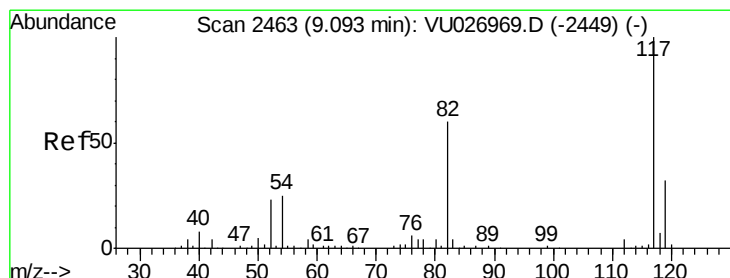
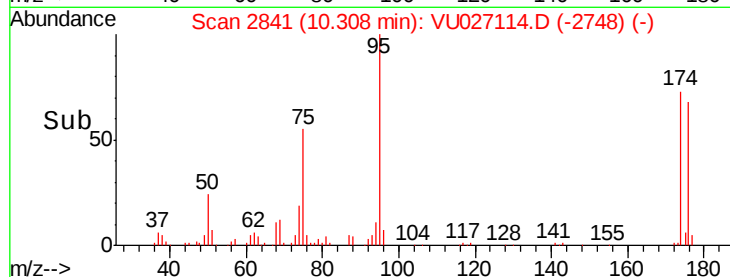
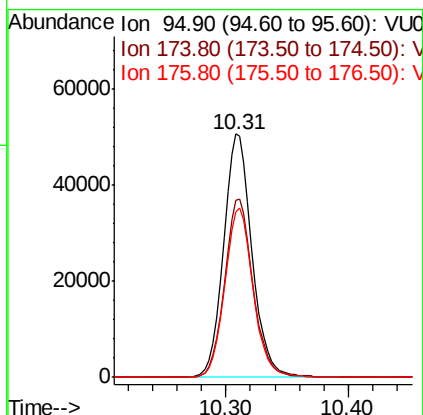
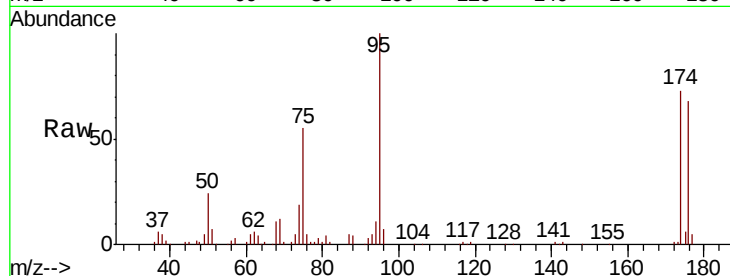




#62
 4-Bromofluorobenzene
 Concen: 46.105 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027114.D
 Acq: 24 Sep 2018 17:18

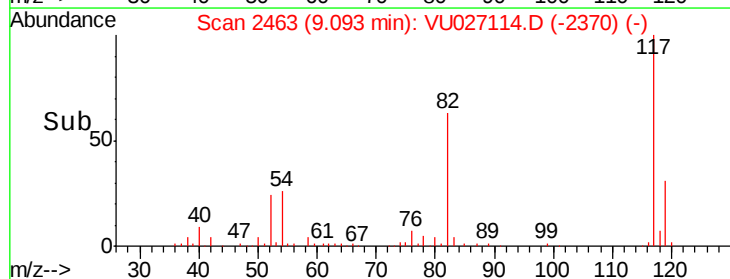
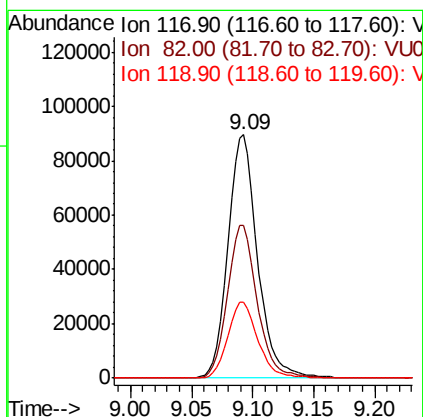
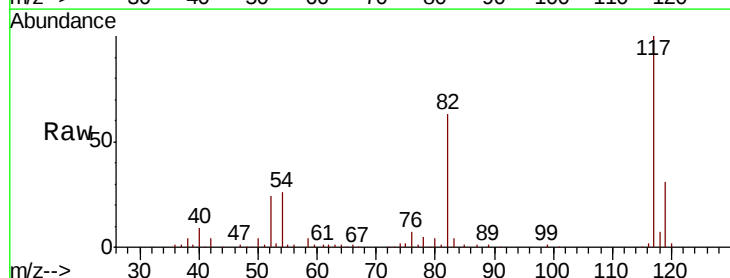
Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ456S-20180917

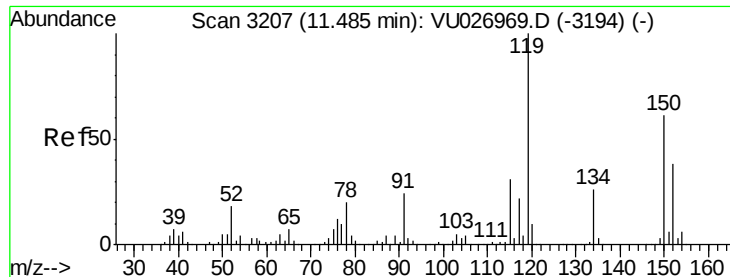
Tgt Ion: 95 Resp: 82851
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 150.2
 176 69.7 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027114.D
 Acq: 24 Sep 2018 17:18

Tgt Ion: 117 Resp: 152237
 Ion Ratio Lower Upper
 117 100
 82 62.6 48.0 72.0
 119 31.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027114.D

Acq: 24 Sep 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ456S-20180917

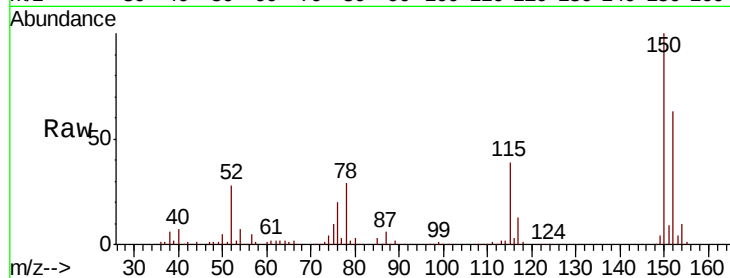
Tgt Ion: 152 Resp: 69994

Ion Ratio Lower Upper

152 100

115 62.0 44.9 134.5

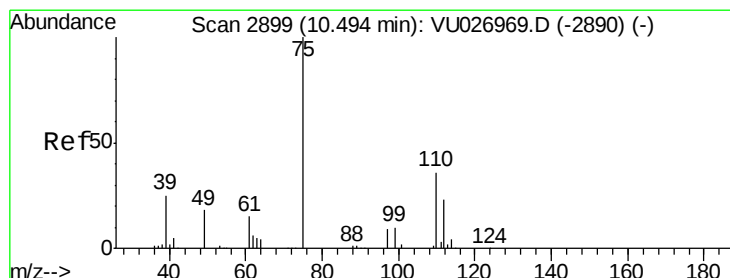
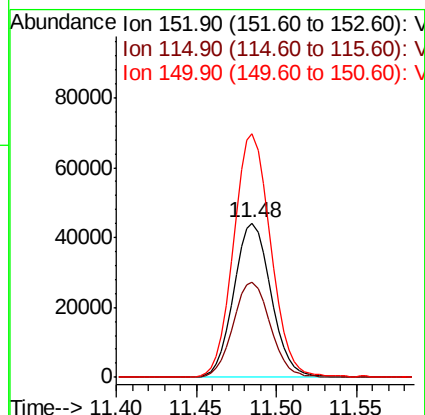
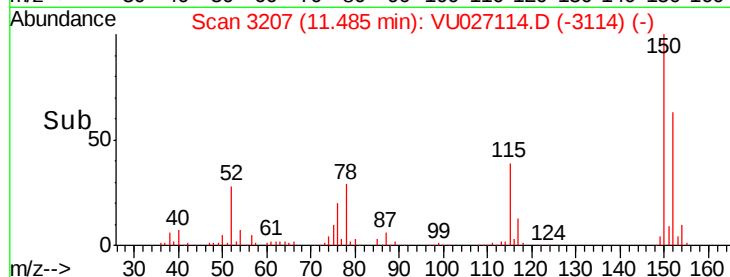
150 157.1 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.088 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027114.D

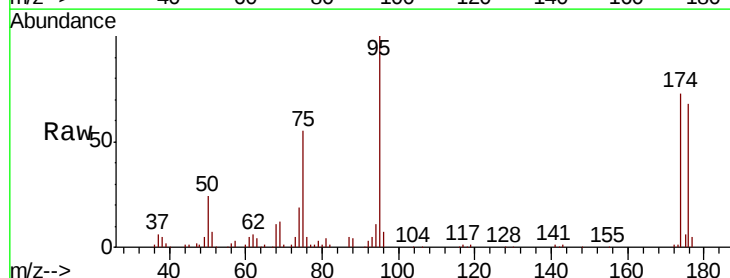
Acq: 24 Sep 2018 17:18

Tgt Ion: 75 Resp: 44841

Ion Ratio Lower Upper

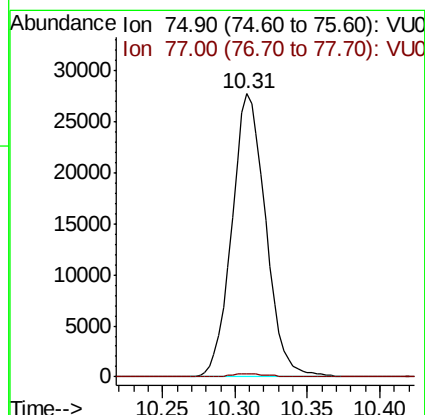
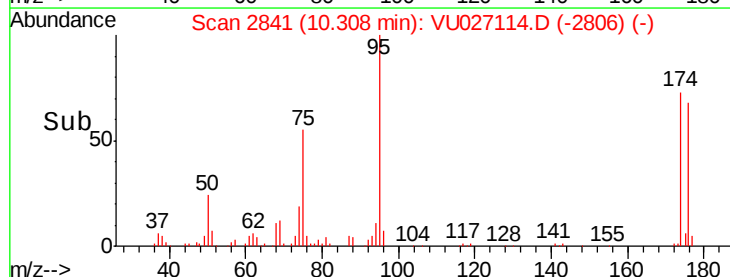
75 100

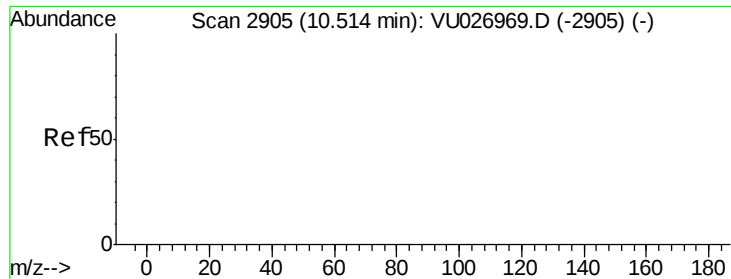
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.485 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027114.D

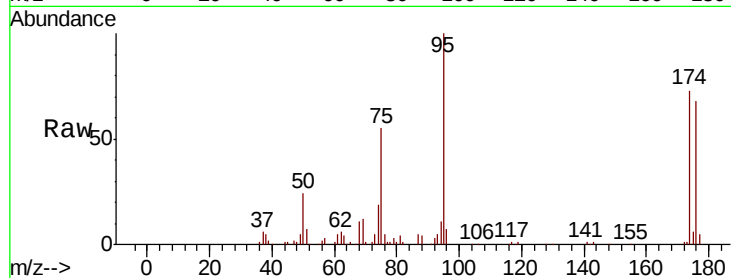
Acq: 24 Sep 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ456S-20180917



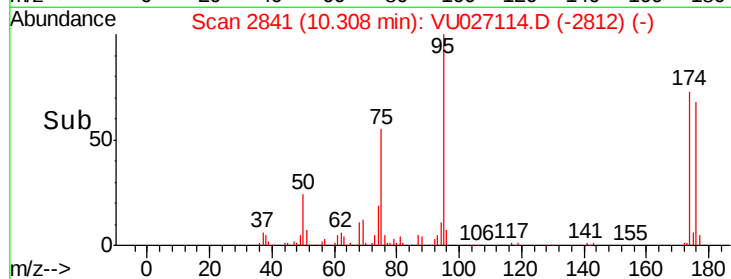
Tgt Ion: 75 Resp: 44841

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

