

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027146.D
 Acq On : 25 Sep 2018 23:23
 Operator : MD/SY
 Sample : J4969-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ459I-20180917

Quant Time: Sep 26 06:02:17 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	91241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	155776	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69616	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	98587	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	4.88	113	67861	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	7.57	98	249728	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.31	95	78975	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

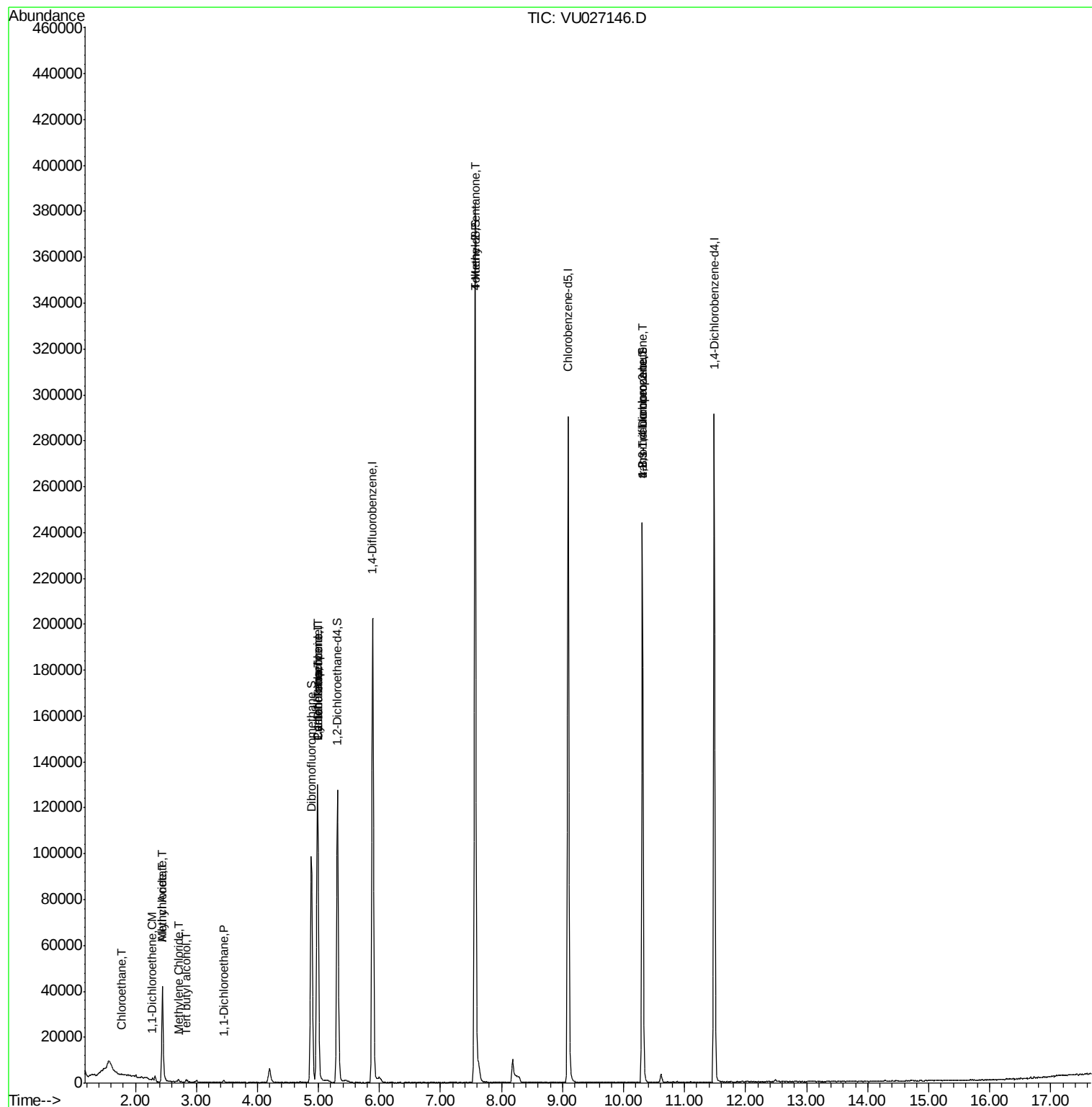
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	321	0.262	ug/l #	43
11) Tert butyl alcohol	2.83	59	248	0.589	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	326	0.259	ug/l #	64
14) Allyl chloride	2.44	41	4009	1.569	ug/l #	68
16) Acetone	2.32	43	2934	Below Cal		92
18) Methyl Acetate	2.44	43	10381	3.972	ug/l #	55
20) Methylene Chloride	2.70	84	405	0.246	ug/l	89
24) 1,1-Dichloroethane	3.45	63	1271	0.422	ug/l #	84
31) Cyclohexane	4.98	56	2358	0.290	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8972	4.316	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9822	4.964	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1331	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44524	21.052	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44524	67.371	ug/l #	100

(#) = 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: VU027146.D

Acq: 25 Sep 2018 23:23

Instrument :

MSVOA_U

ClientSampleId :

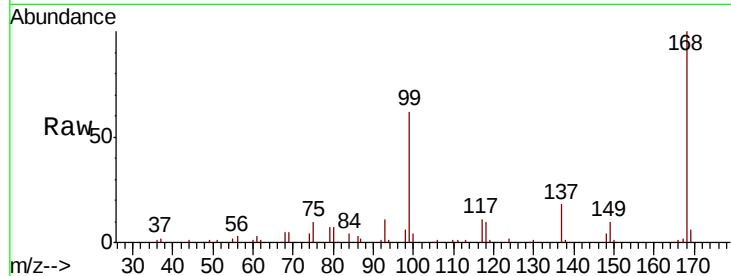
FT-PZ459I-20180917

Tot Ion:168 Resp: 91241

Ion Ratio Lower Upper

168 100

99 62.2 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

40000

30000

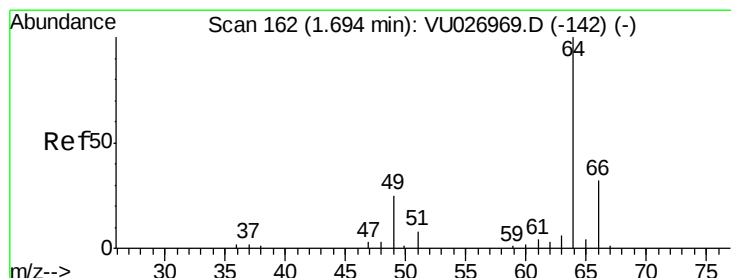
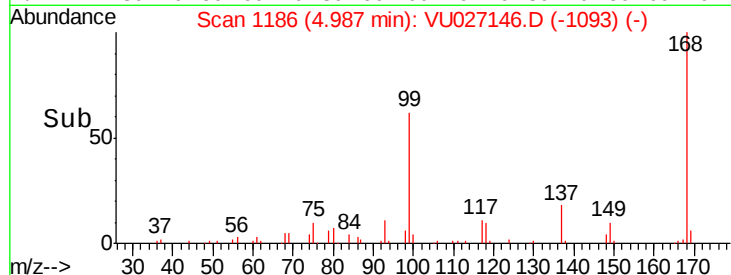
20000

10000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.262 ug/l

RT: 1.78 min Scan# 188

Delta R.T. 0.08 min

Lab File: VU027146.D

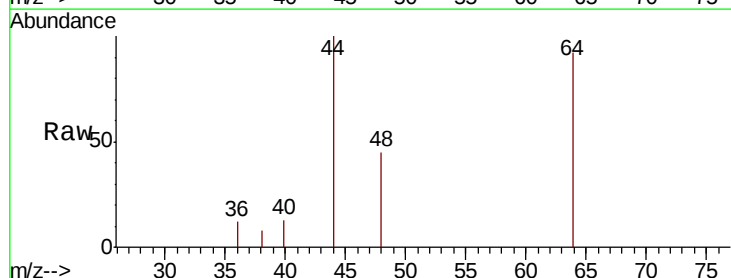
Acq: 25 Sep 2018 23:23

Tgt Ion: 64 Resp: 321

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



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

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.78

1500

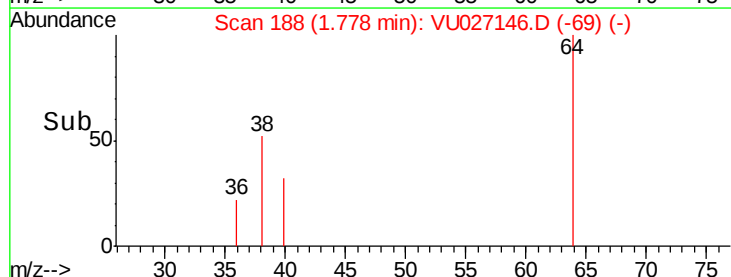
1000

500

0

1.74 1.76 1.78 1.80 1.82

Time-->



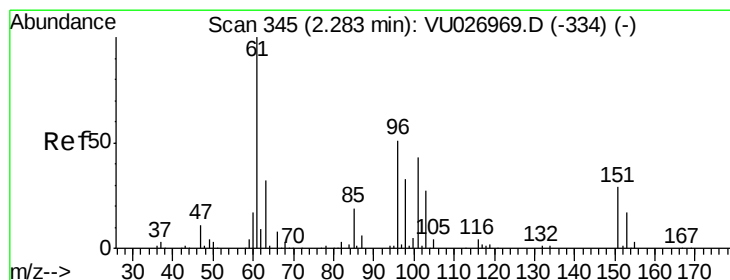
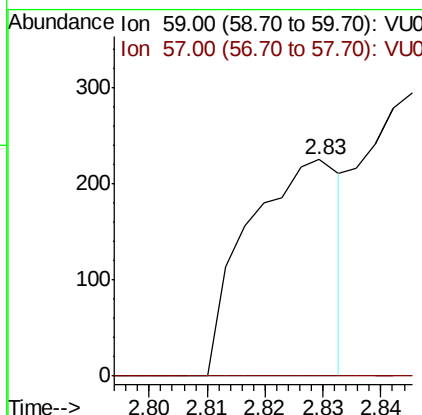
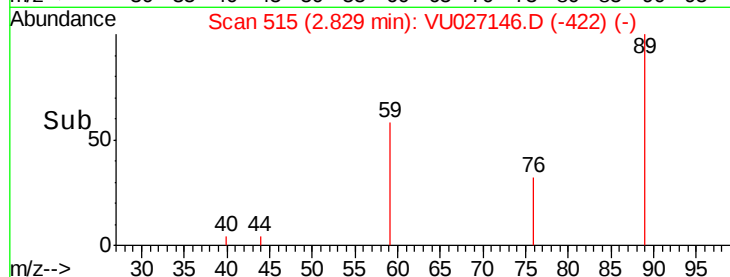
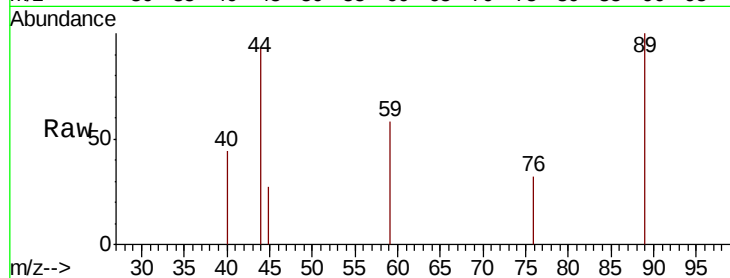


#11

Tert butvl alcohol
 Concen: 0.589 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027146.D
 Acq: 25 Sep 2018 23:23

Instrument :
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 ClientSampleId :
 FT-PZ459I-20180917

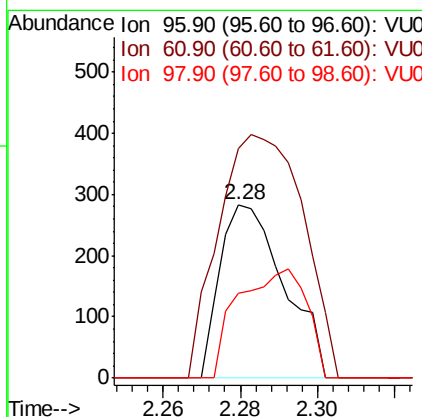
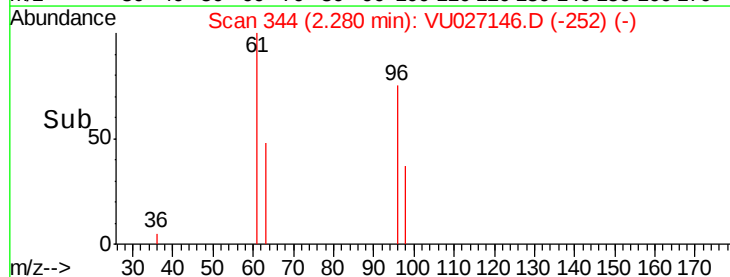
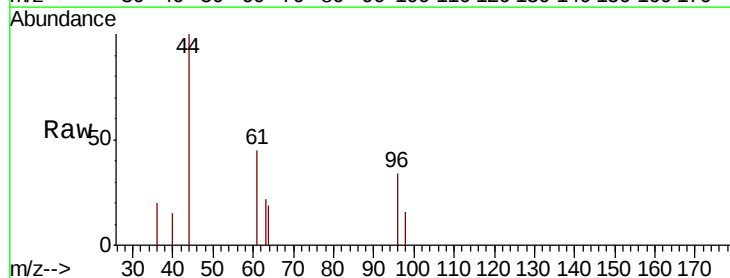
Tot Ion: 59 Resp: 248
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

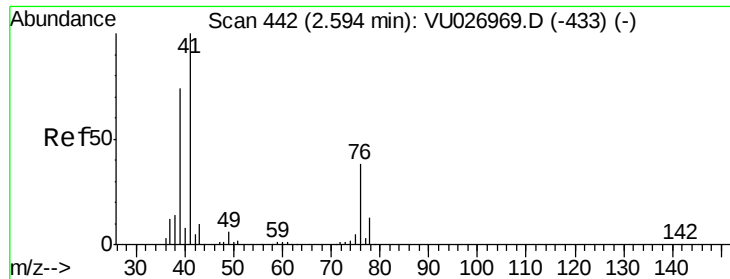


#12

1,1-Dichloroethene
 Concen: 0.259 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU027146.D
 Acq: 25 Sep 2018 23:23

Tgt Ion: 96 Resp: 326
 Ion Ratio Lower Upper
 96 100
 61 132.9 156.1 234.1#
 98 48.8 51.4 77.0#

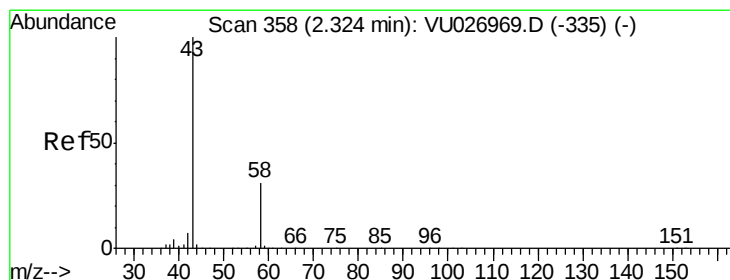
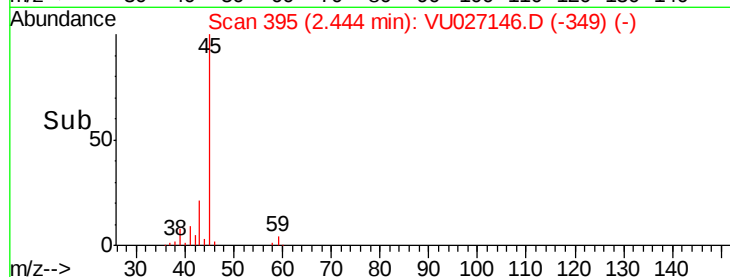
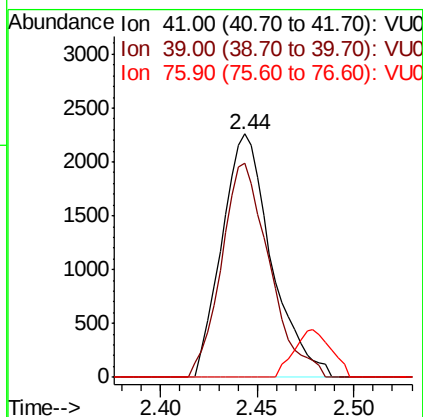
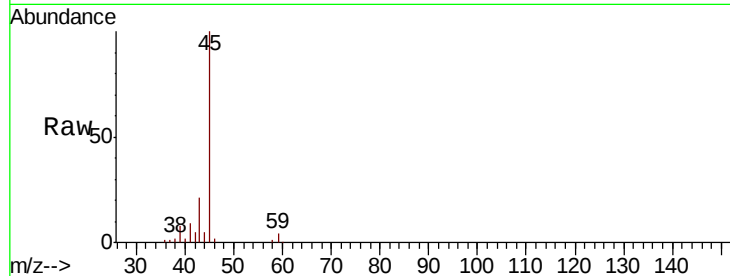




#14
Allvl chloride
Concen: 1.569 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027146.D
Acq: 25 Sep 2018 23:23

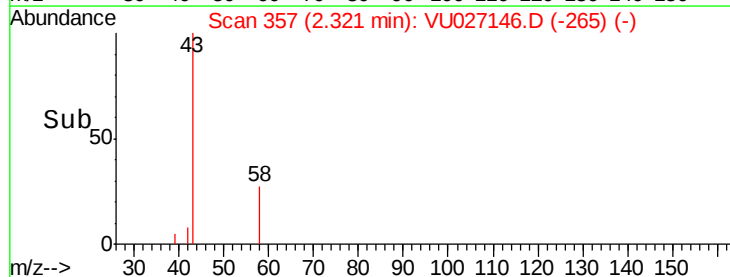
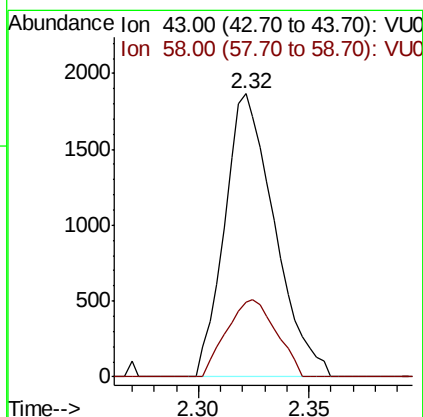
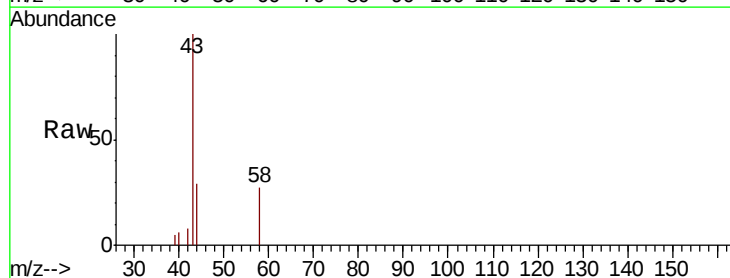
Instrument :
MSVOA_U
ClientSampleId :
FT-PZ459I-20180917

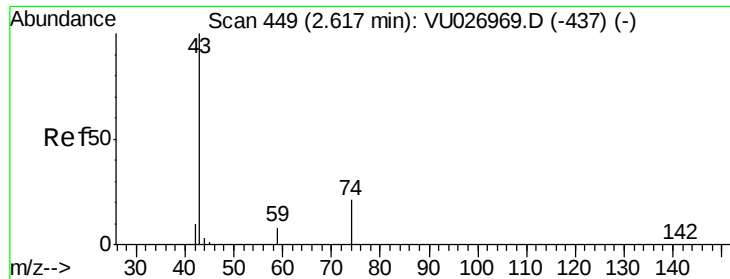
Tot Ion: 41 Resp: 4009
Ion Ratio Lower Upper
41 100
39 85.5 55.7 83.5#
76 0.0 26.5 39.7#



#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU027146.D
Acq: 25 Sep 2018 23:23

Tgt Ion: 43 Resp: 2934
Ion Ratio Lower Upper
43 100
58 26.6 24.6 36.8

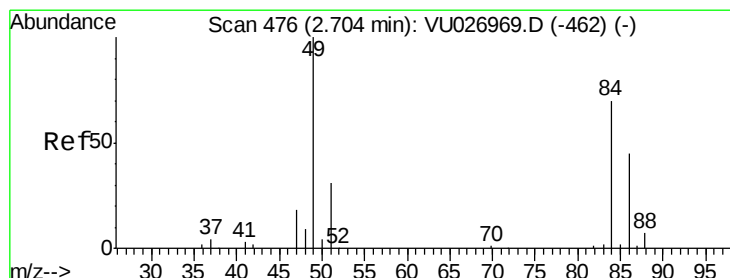
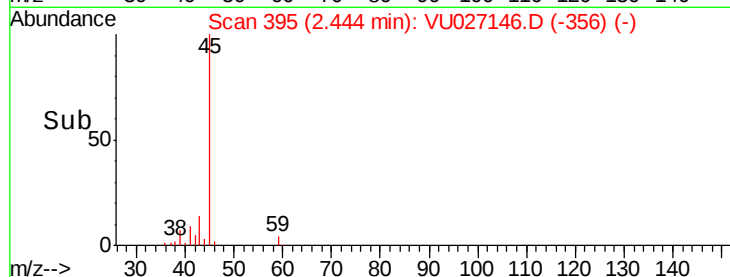
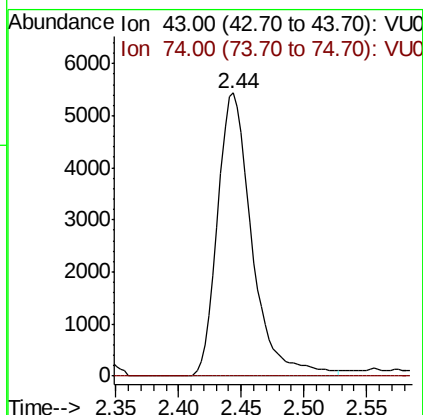
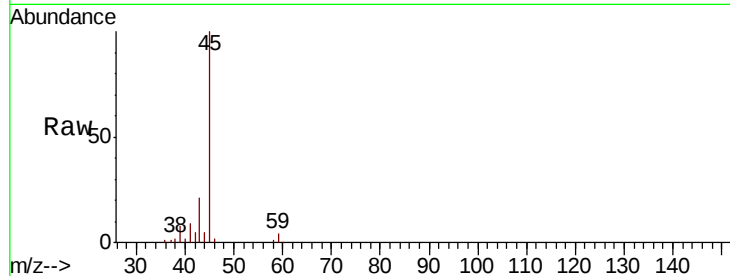




#18
Methyl Acetate
Concen: 3.972 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027146.D
Acq: 25 Sep 2018 23:23

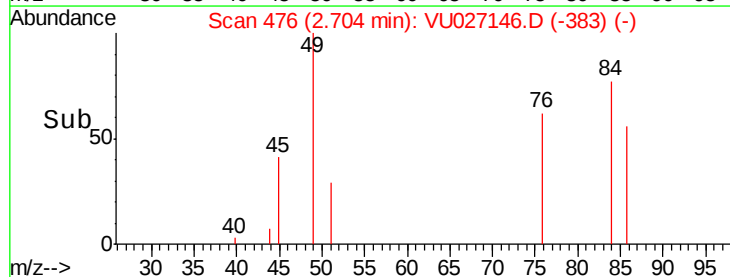
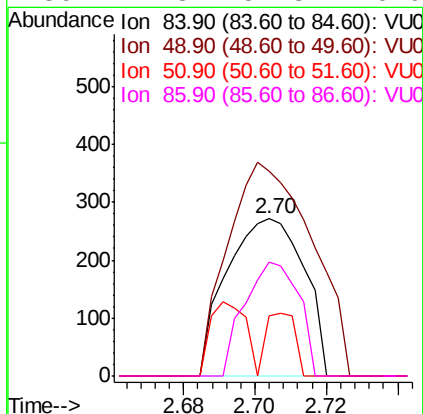
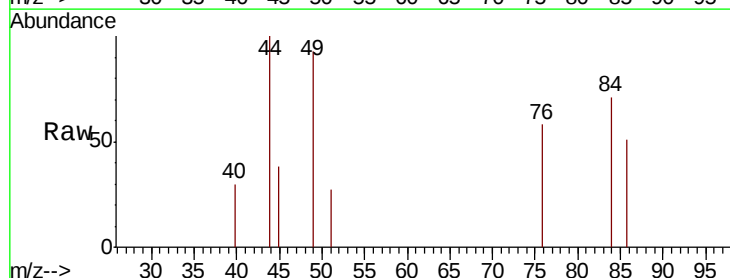
Instrument :
MSVOA_U
ClientSampleId :
FT-PZ459I-20180917

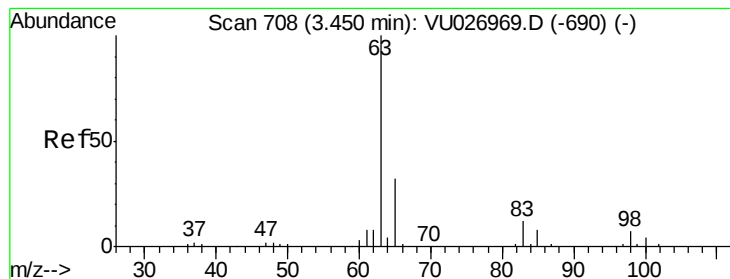
Tot Ion: 43 Resp: 10381
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027146.D
Acq: 25 Sep 2018 23:23

Tgt Ion: 84 Resp: 405
Ion Ratio Lower Upper
84 100
49 130.3 114.9 172.3
51 38.0 35.8 53.8
86 72.3 51.3 76.9





#24

1,1-Dichloroethane

Concen: 0.422 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ459I-20180917

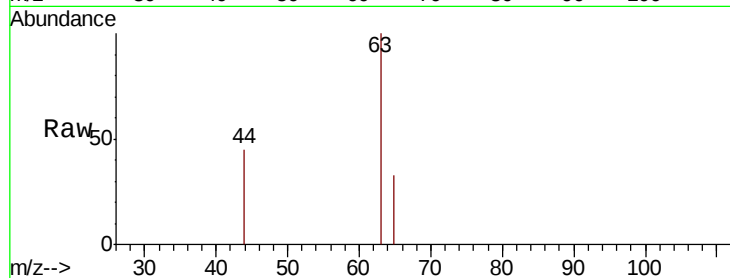
Tot Ion: 63 Resp: 1271

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

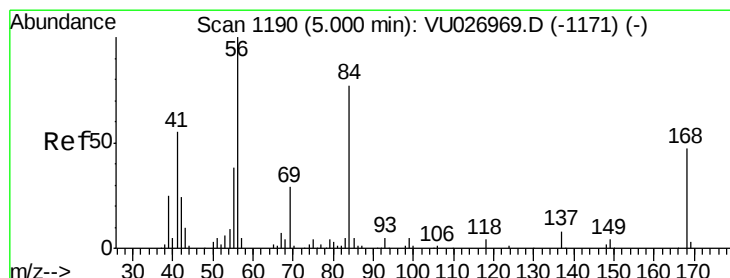
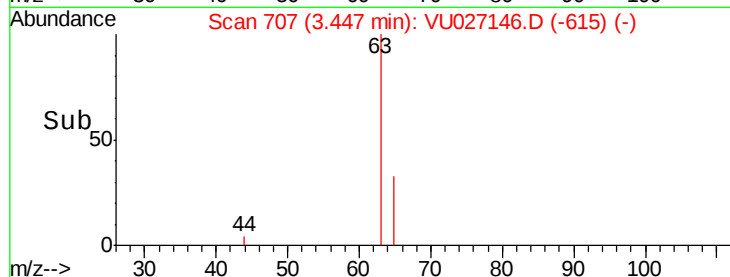
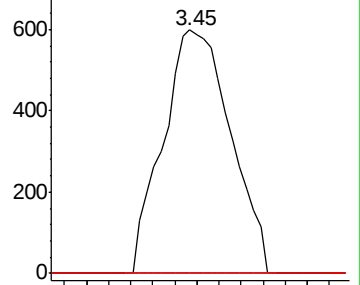
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)



#31

Cyclohexane

Concen: 0.290 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

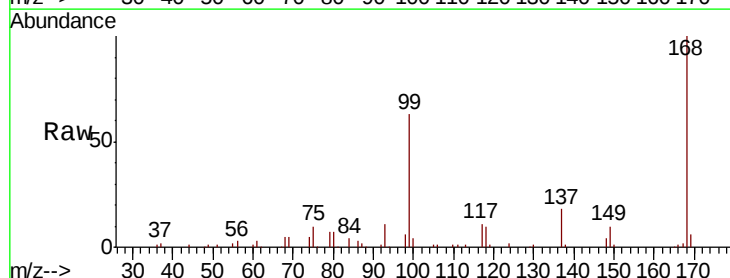
Tgt Ion: 56 Resp: 2358

Ion Ratio Lower Upper

56 100

69 166.5 23.0 34.4#

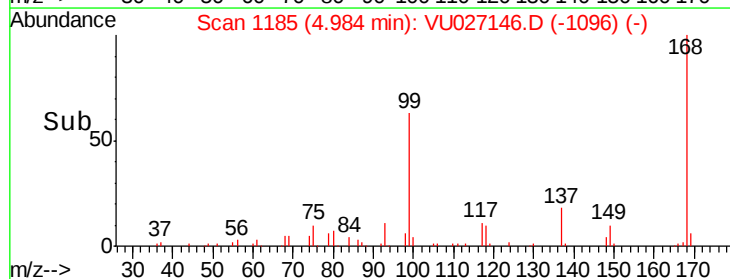
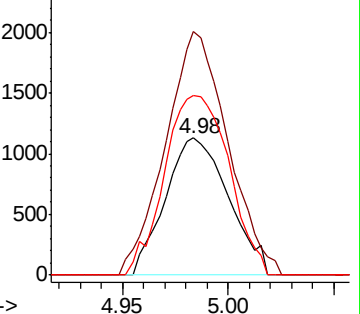
84 130.8 61.4 92.2#

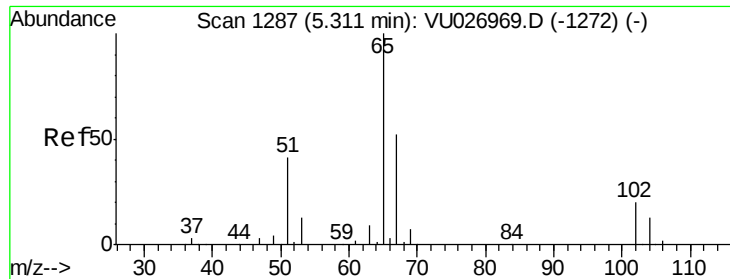


Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

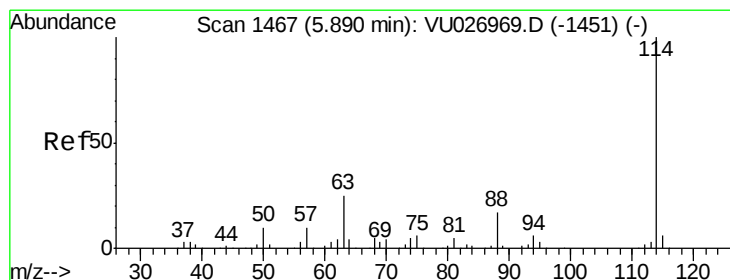
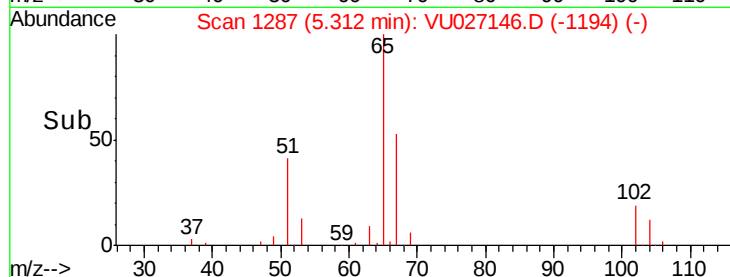
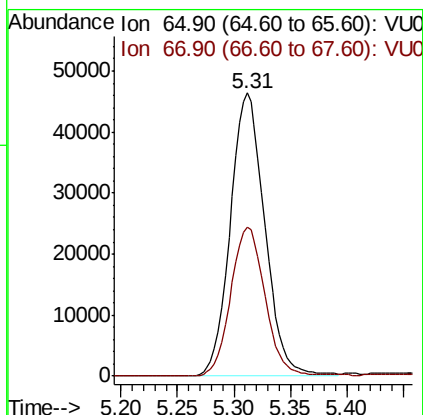
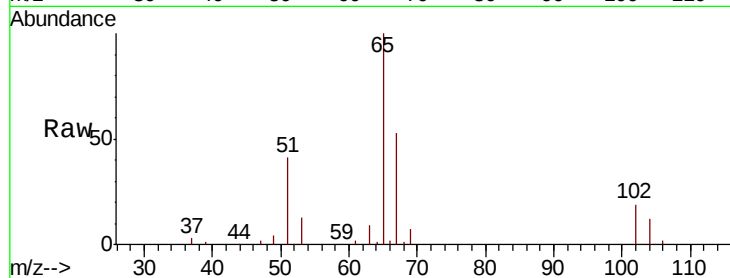




#33
 1,2-Dichloroethane-d4
 Concen: 53.686 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027146.D
 Acq: 25 Sep 2018 23:23

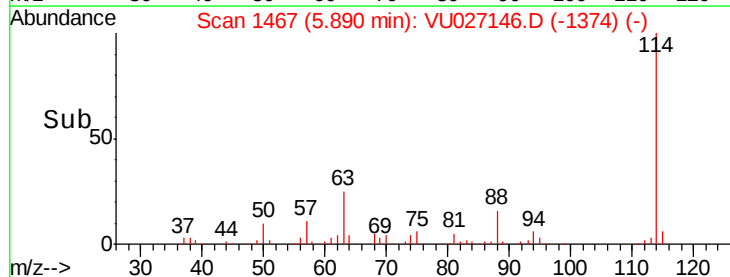
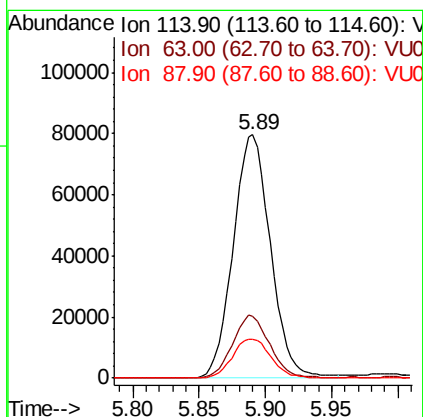
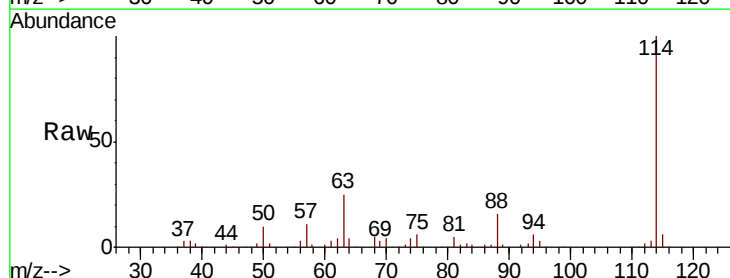
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 ClientSampleId :
 FT-PZ459I-20180917

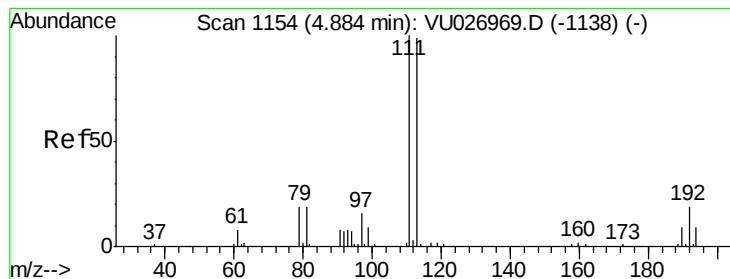
Tot Ion: 65 Resp: 98587
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027146.D
 Acq: 25 Sep 2018 23:23

Tgt Ion: 114 Resp: 155776
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 16.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.257 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ459I-20180917

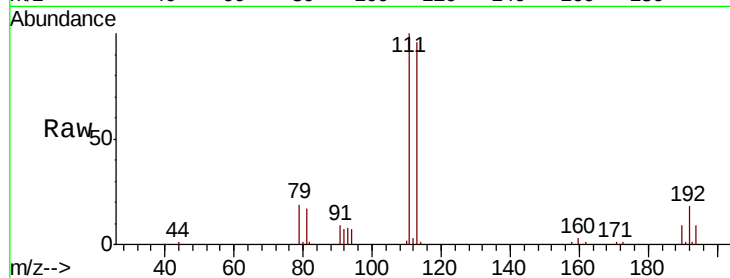
Tot Ion:113 Resp: 67861

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

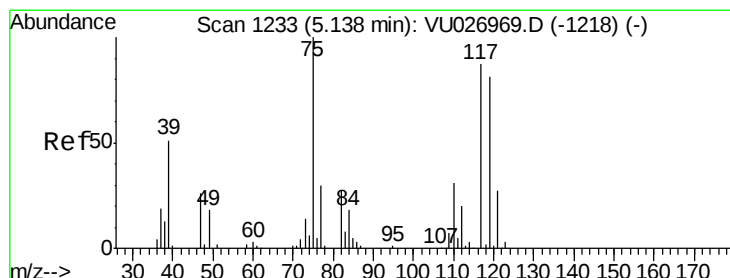
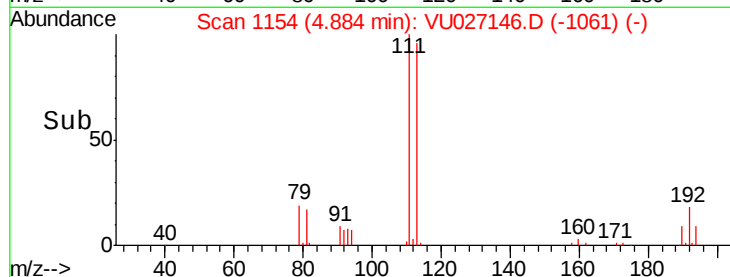
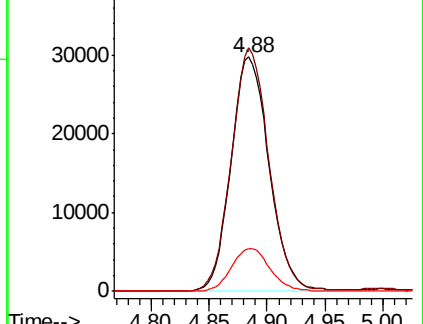
192 18.5 15.2 22.8



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: 4.316 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

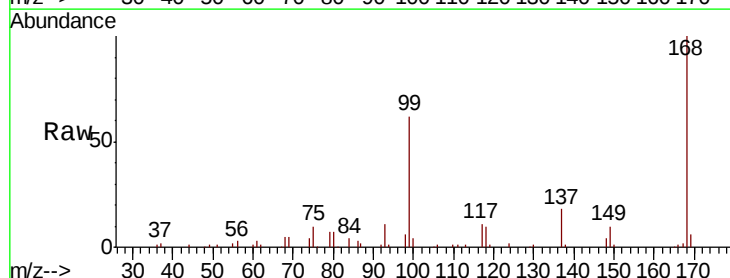
Tgt Ion: 75 Resp: 8972

Ion Ratio Lower Upper

75 100

110 5.9 16.1 48.2#

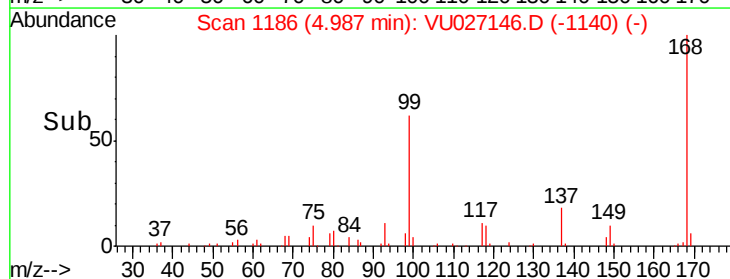
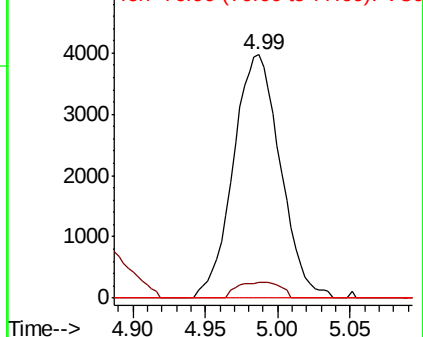
77 0.0 24.6 36.8#

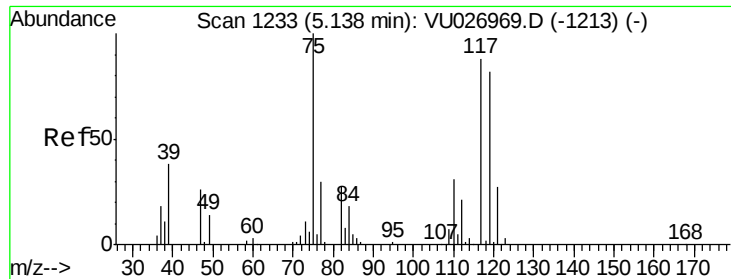


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.964 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ459I-20180917

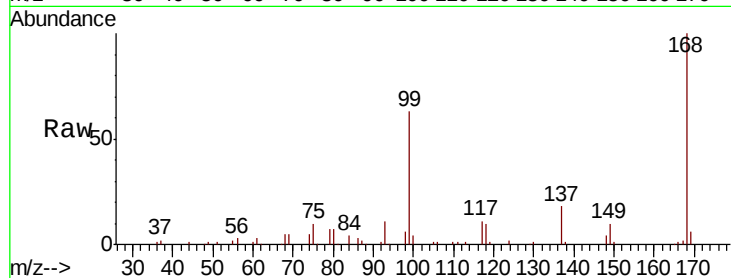
Tot Ion:117 Resp: 9822

Ion Ratio Lower Upper

117 100

119 5.3 74.4 111.6#

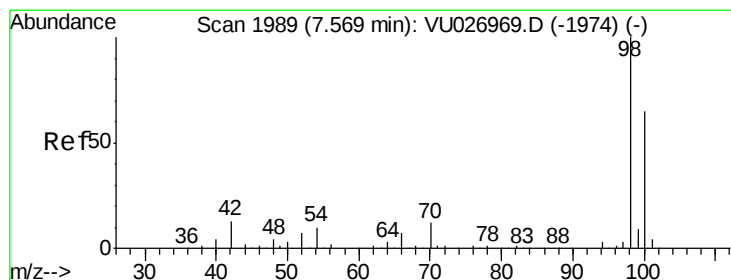
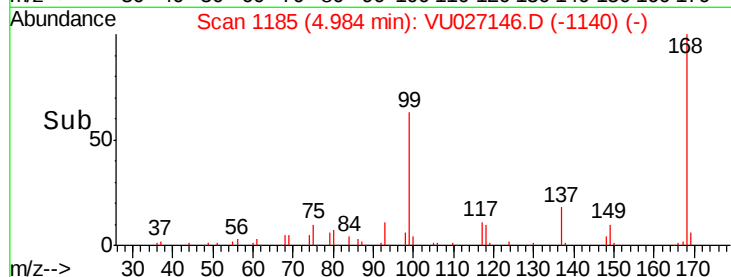
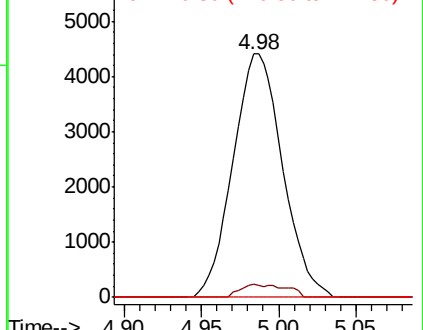
121 0.0 24.2 36.4#



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: 48.529 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027146.D

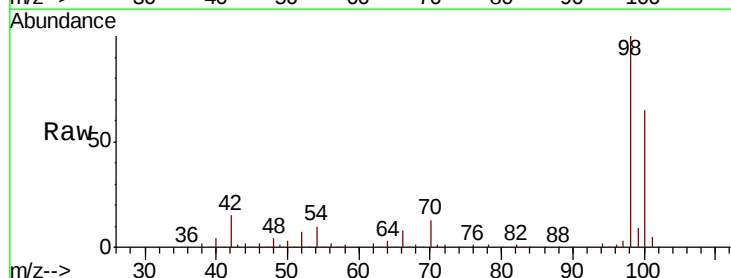
Acq: 25 Sep 2018 23:23

Tgt Ion: 98 Resp: 249728

Ion Ratio Lower Upper

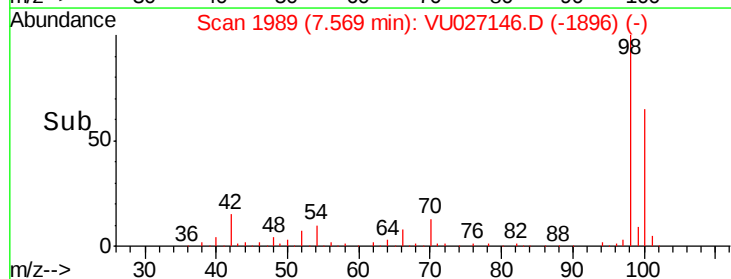
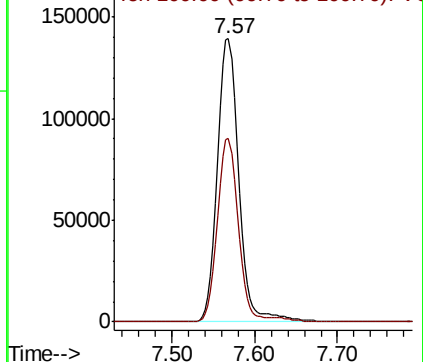
98 100

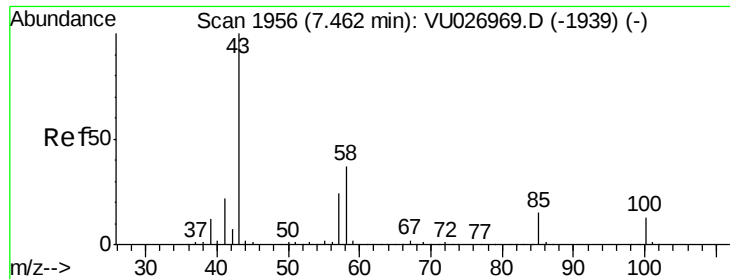
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.482 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

Instrument :

MSVOA_U

ClientSampleId :

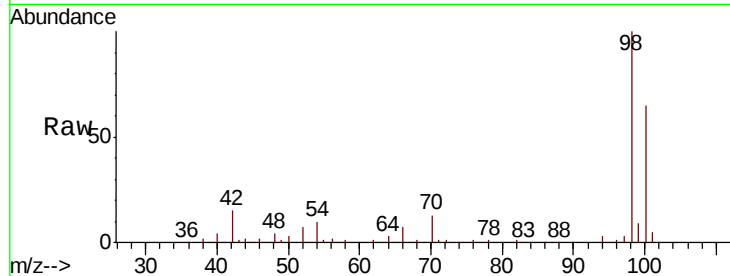
FT-PZ459I-20180917

Tot Ion: 43 Resp: 1331

Ion Ratio Lower Upper

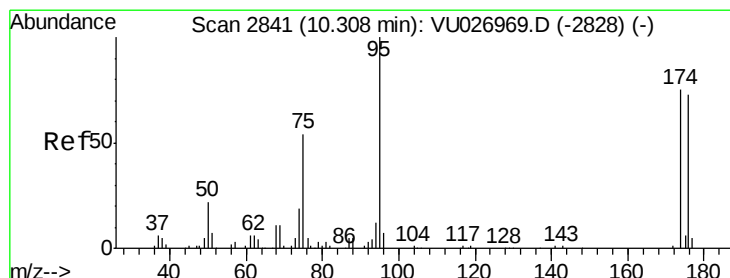
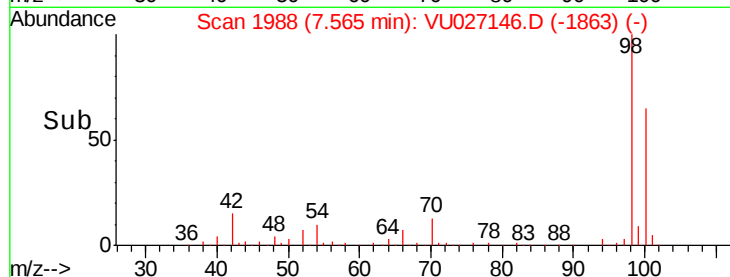
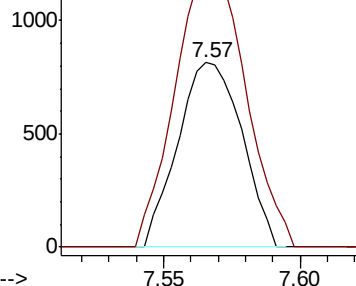
43 100

58 166.5 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.727 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027146.D

Acq: 25 Sep 2018 23:23

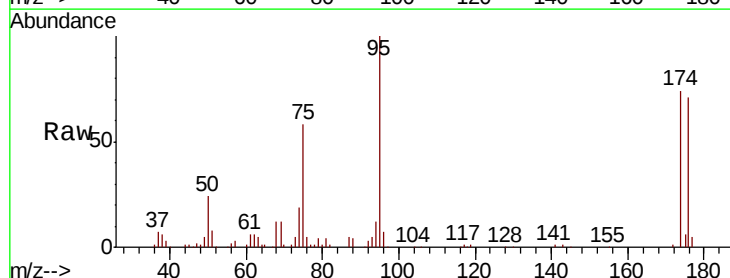
Tgt Ion: 95 Resp: 78975

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.2

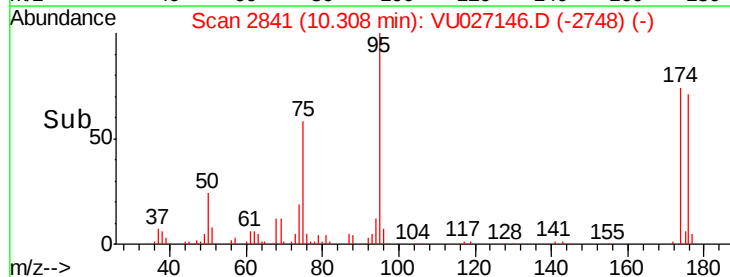
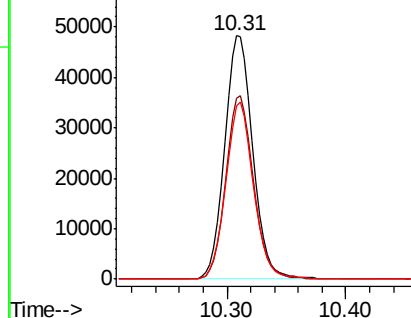
176 71.5 0.0 145.2

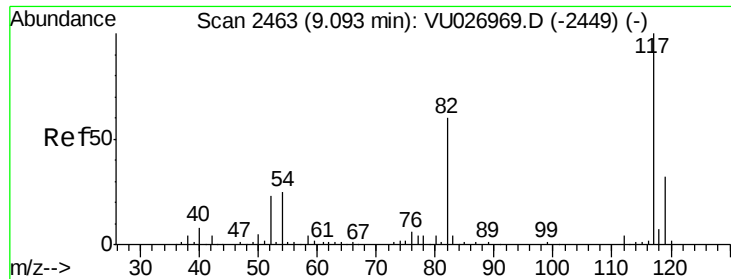


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

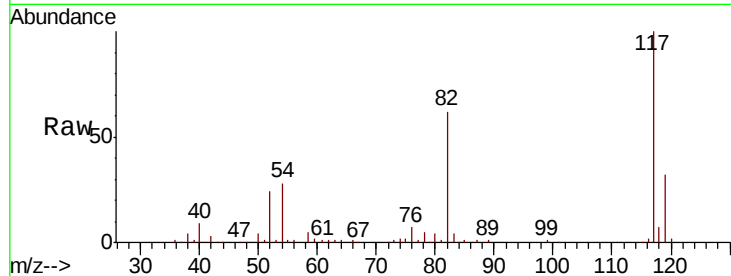




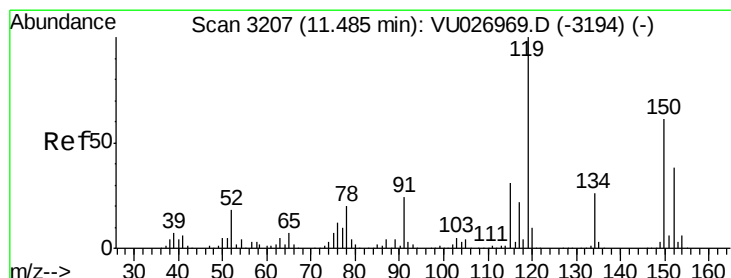
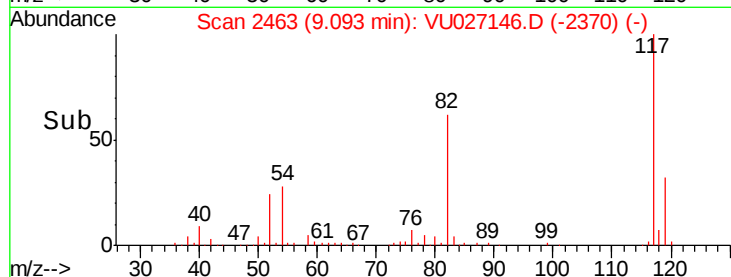
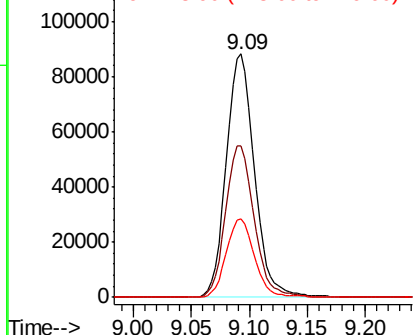
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027146.D
Acq: 25 Sep 2018 23:23

Instrument :
MSVOA_U
ClientSampleId :
FT-PZ459I-20180917

Tot Ion:117 Resp: 148012
Ion Ratio Lower Upper
117 100
82 62.4 48.0 72.0
119 32.5 25.8 38.8

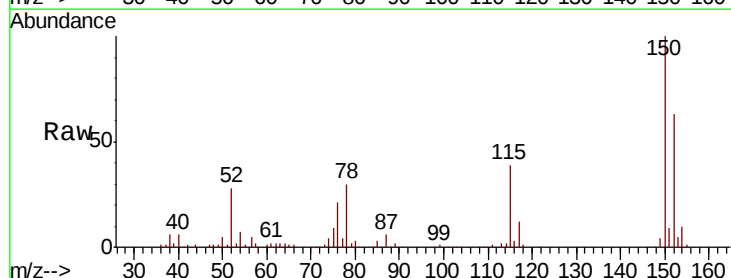


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

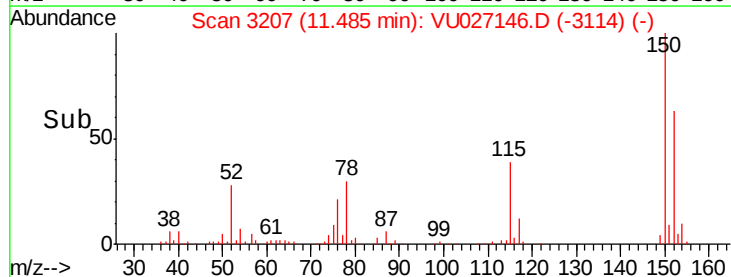
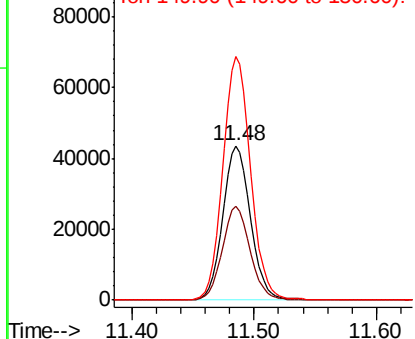


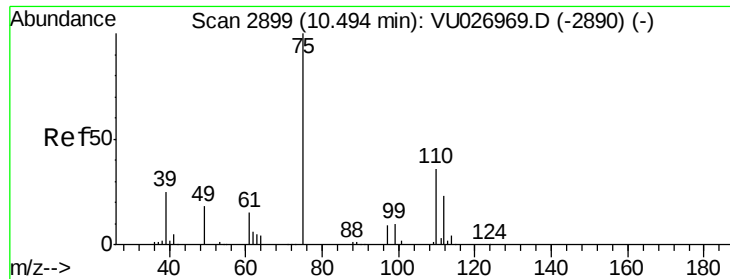
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027146.D
Acq: 25 Sep 2018 23:23

Tgt Ion:152 Resp: 69616
Ion Ratio Lower Upper
152 100
115 61.1 44.9 134.5
150 157.7 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

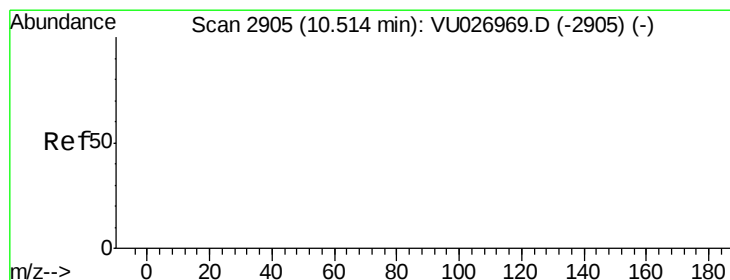
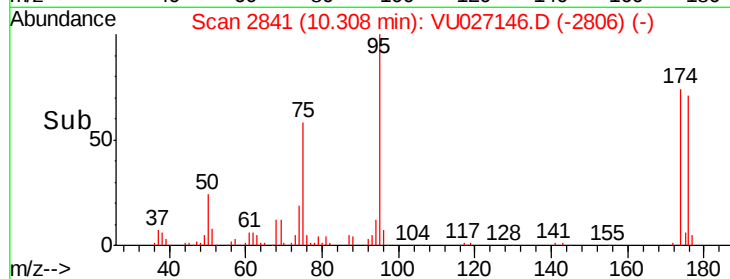
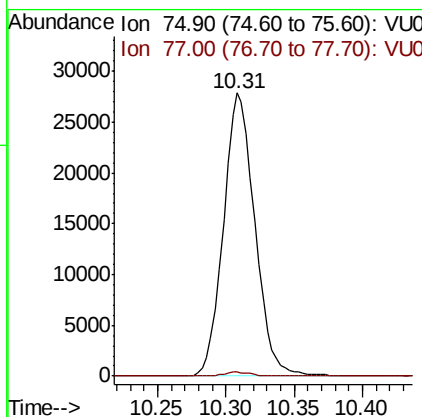
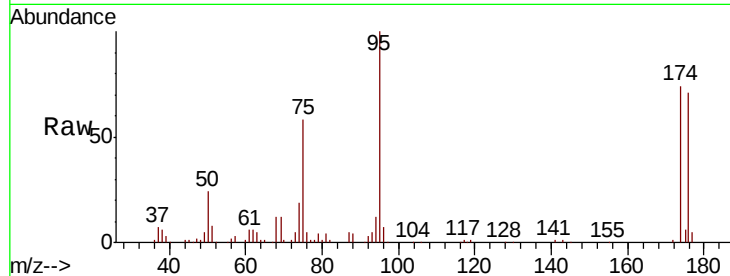




#76
 1,2,3-Trichloropropane
 Concen: 21.052 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027146.D
 Acq: 25 Sep 2018 23:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ459I-20180917

Tot Ion: 75 Resp: 44524
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.371 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027146.D
 Acq: 25 Sep 2018 23:23

Tgt Ion: 75 Resp: 44524
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

