

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028742.D
 Acq On : 18 Dec 2018 00:46
 Operator : MD/SY
 Sample : J6413-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 07:38:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	82562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	144427	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	50178	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	66448	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	4.88	113	49697	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
50) Toluene-d8	7.56	98	187122	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	10.31	95	60641	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

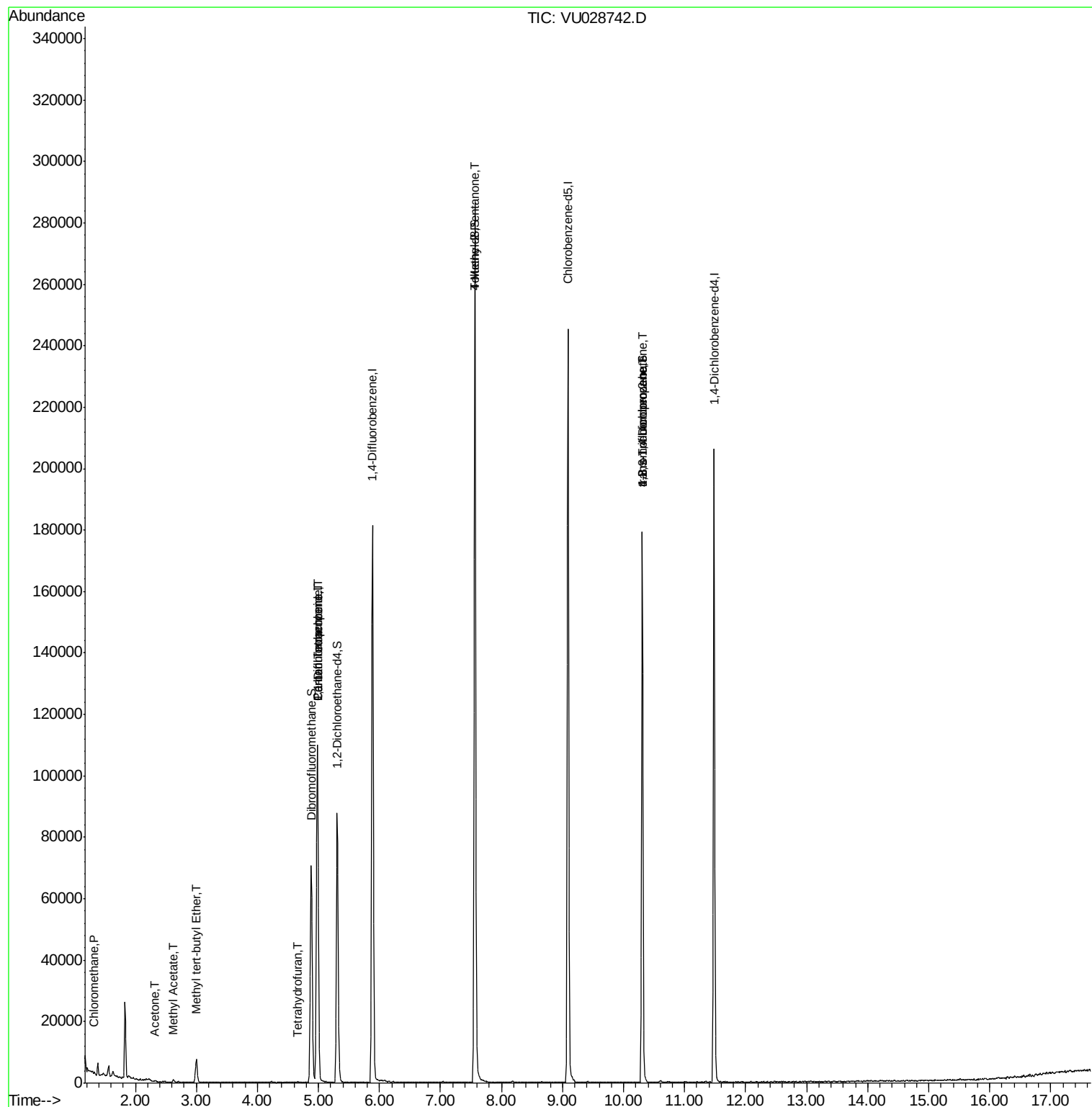
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	994	0.489	ug/l	95
16) Acetone	2.32	43	404	0.491	ug/l #	44
18) Methyl Acetate	2.62	43	1193	0.560	ug/l #	68
19) Methyl tert-butyl Ether	3.00	73	8249	2.367	ug/l	96
29) Tetrahydrofuran	4.66	42	342	0.474	ug/l #	37
31) Cyclohexane	4.98	56	1868	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7178	4.542	ug/l #	49
38) Carbon Tetrachloride	4.98	117	8178	6.420	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1035	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	32484	25.352	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	32484	62.204	ug/l #	100

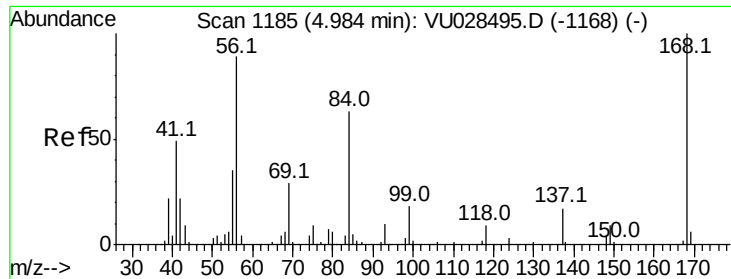
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 18 07:38:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028742.D

Acq: 18 Dec 2018 00:46

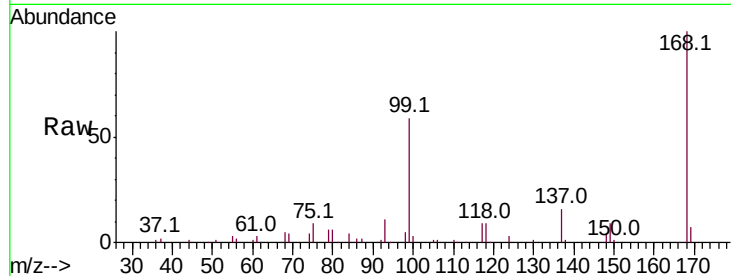
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 82562

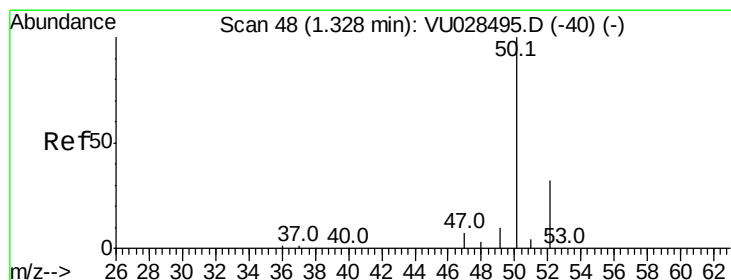
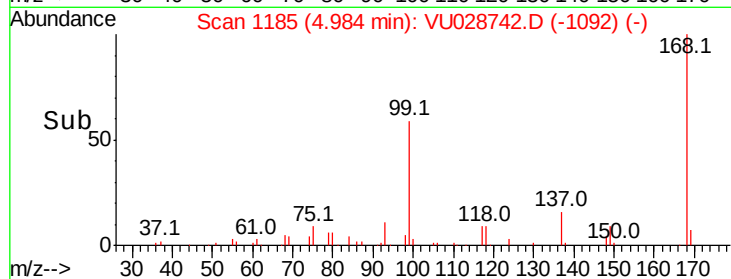
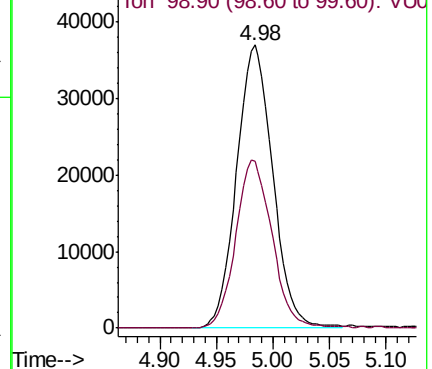
Ion Ratio Lower Upper

168 100

99 58.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.489 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028742.D

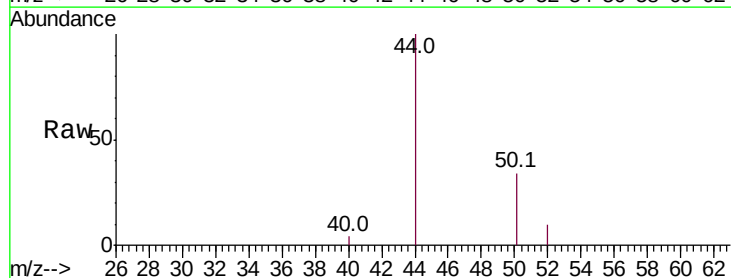
Acq: 18 Dec 2018 00:46

Tgt Ion: 50 Resp: 994

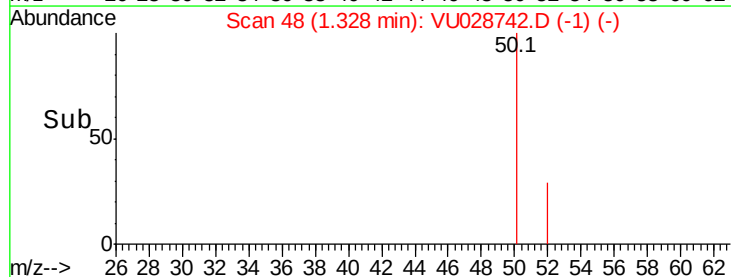
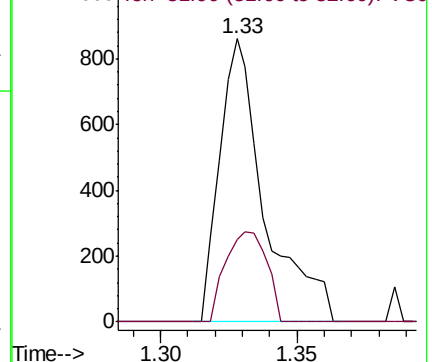
Ion Ratio Lower Upper

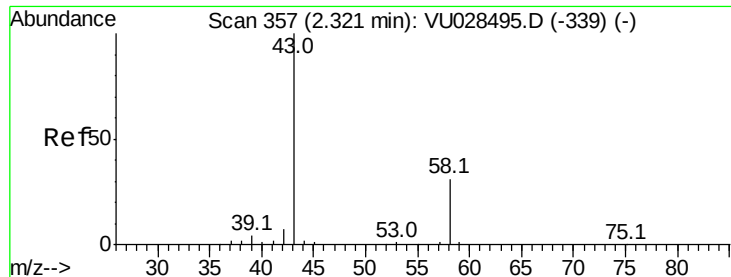
50 100

52 28.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)





#16

Acetone

Concen: 0.491 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028742.D

Acq: 18 Dec 2018 00:46

Instrument :

MSVOA_U

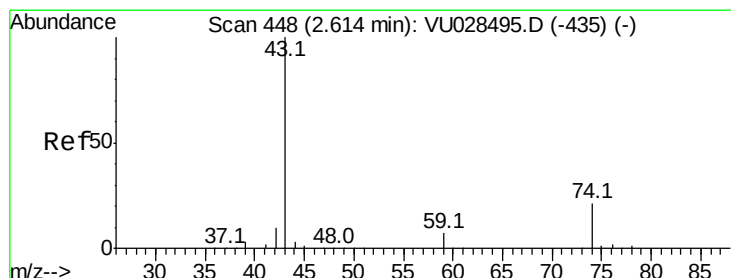
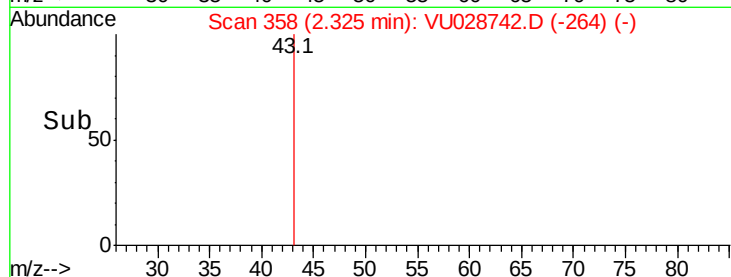
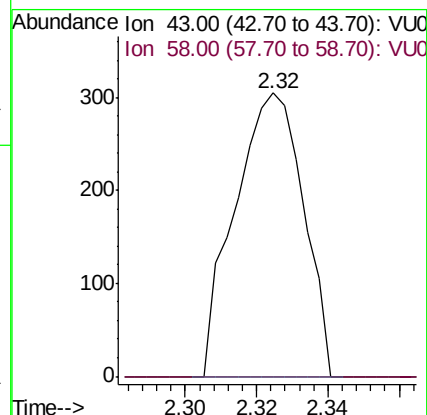
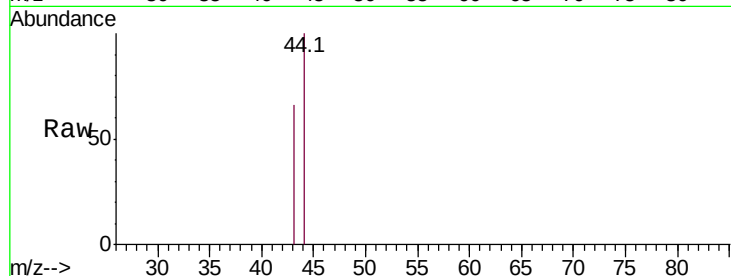
ClientSampleId :

Tot Ion: 43 Resp: 404

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.560 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028742.D

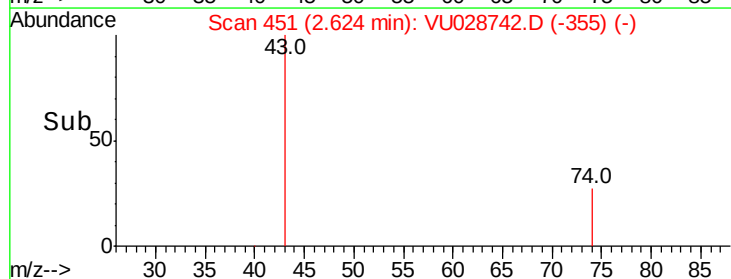
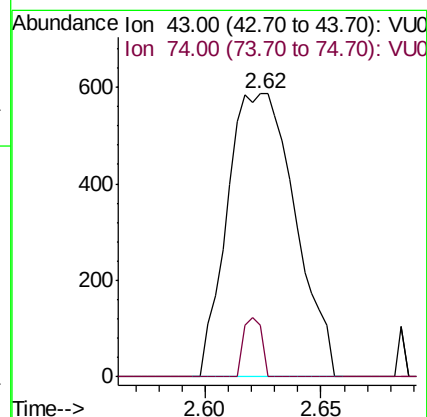
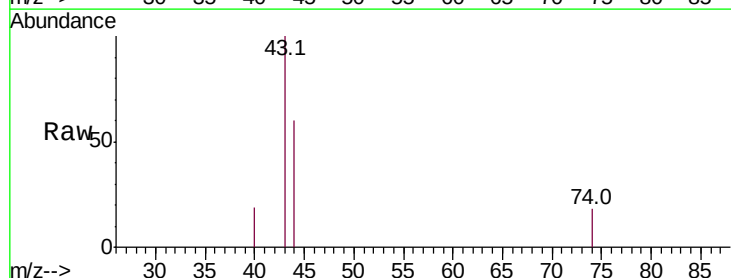
Acq: 18 Dec 2018 00:46

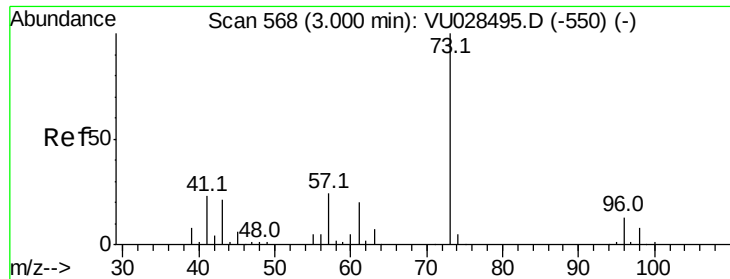
Tgt Ion: 43 Resp: 1193

Ion Ratio Lower Upper

43 100

74 5.4 16.4 24.6#

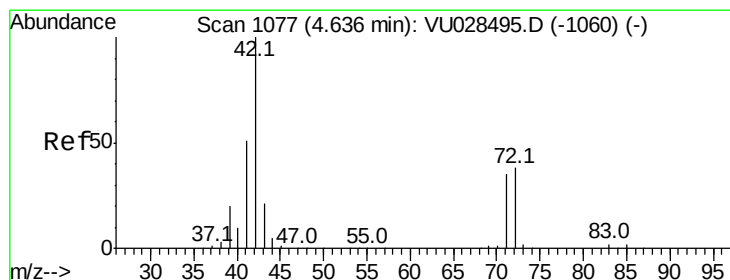
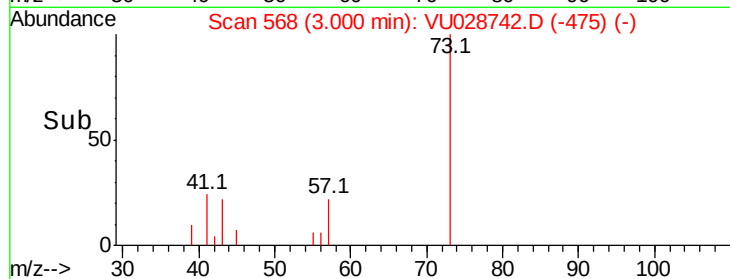
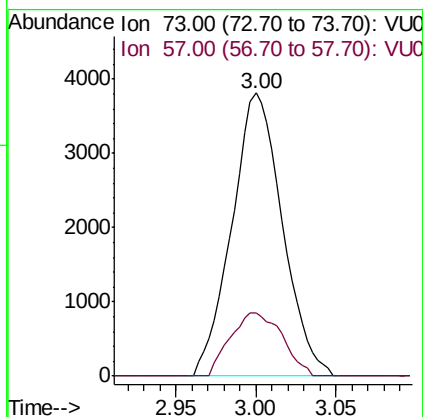
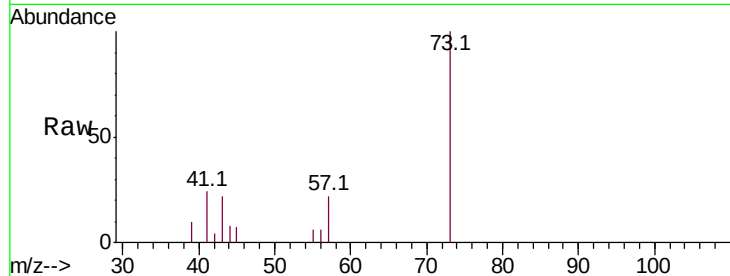




#19
Methyl tert-butyl Ether
Concen: 2.367 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028742.D
Acq: 18 Dec 2018 00:46

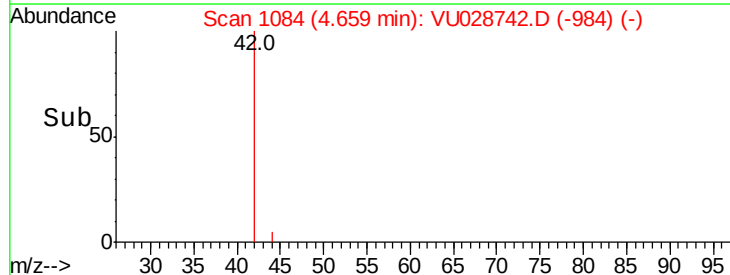
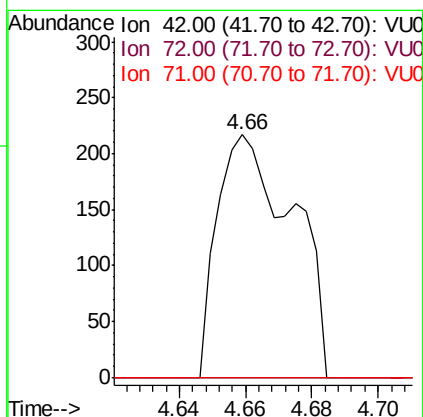
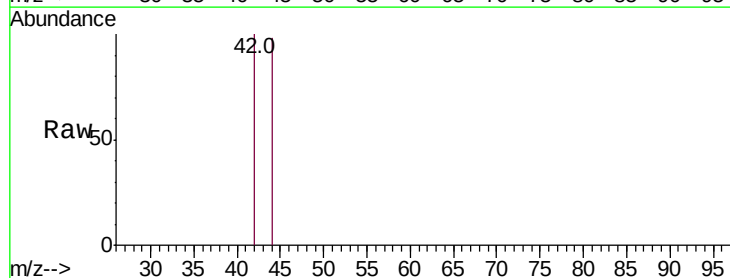
Instrument :
MSVOA_U
ClientSampleId :

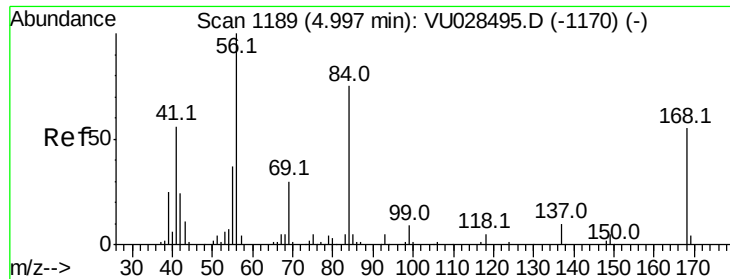
Tot Ion: 73 Resp: 8249
Ion Ratio Lower Upper
73 100
57 22.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.474 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU028742.D
Acq: 18 Dec 2018 00:46

Tgt Ion: 42 Resp: 342
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 28.6 43.0#

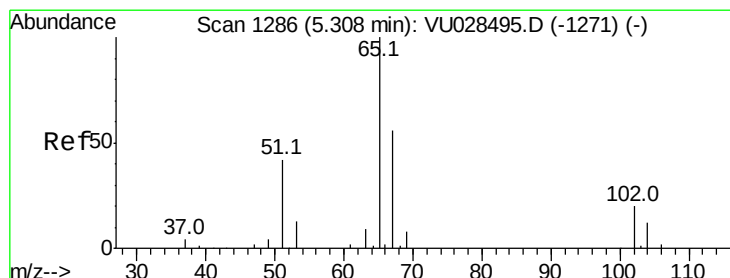
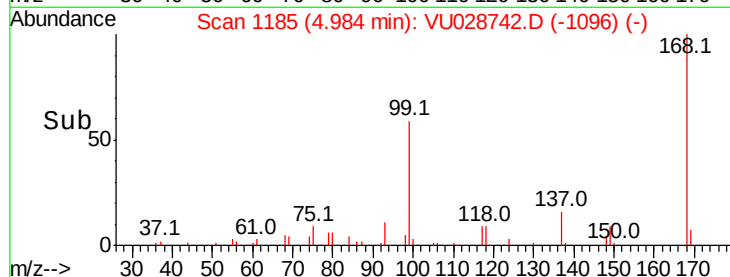
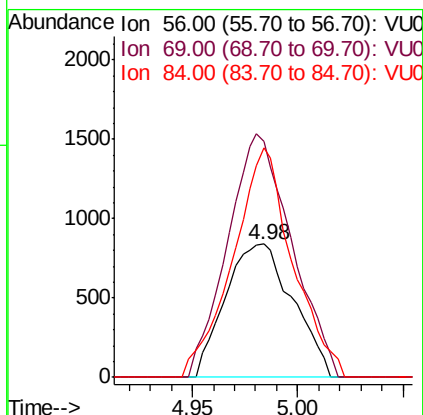
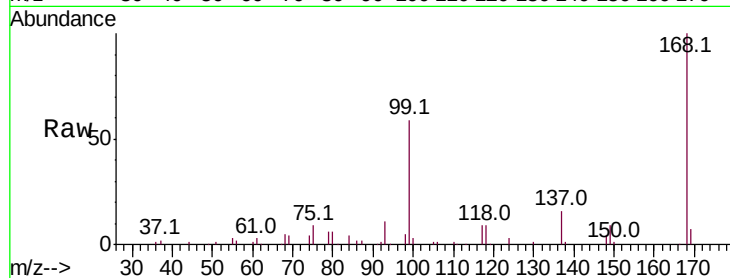




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028742.D
Acq: 18 Dec 2018 00:46

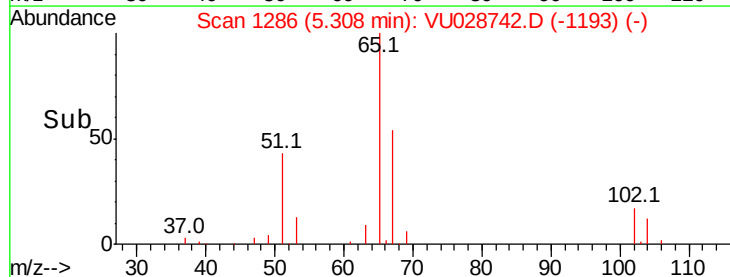
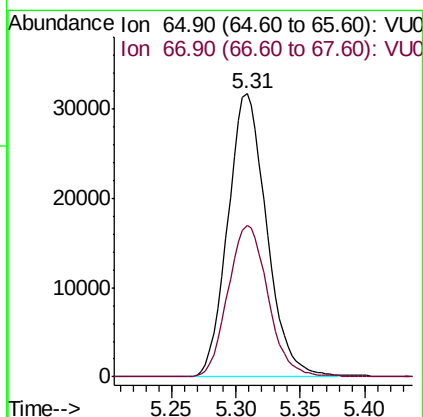
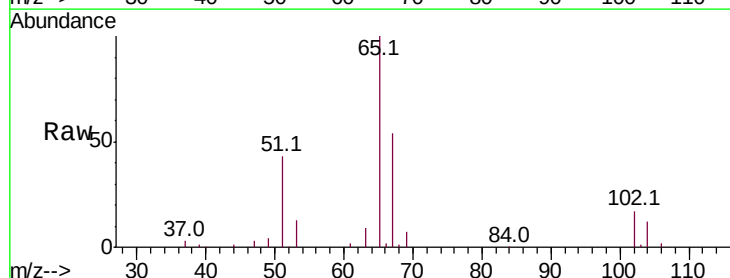
Instrument :
MSVOA_U
ClientSampled :

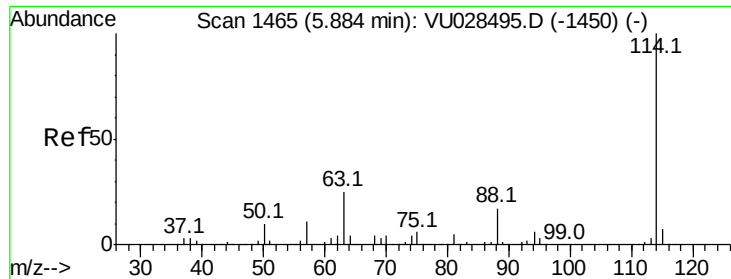
Tot Ion	Ratio	Lower	Upper
56	100		
69	176.8	24.0	36.0#
84	158.6	59.7	89.5#



#33
1,2-Dichloroethane-d4
Concen: 52.739 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028742.D
Acq: 18 Dec 2018 00:46

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	110.6

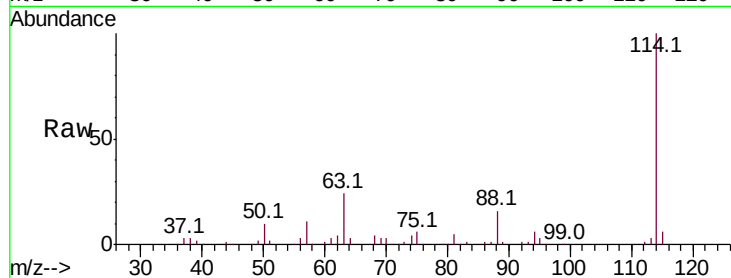




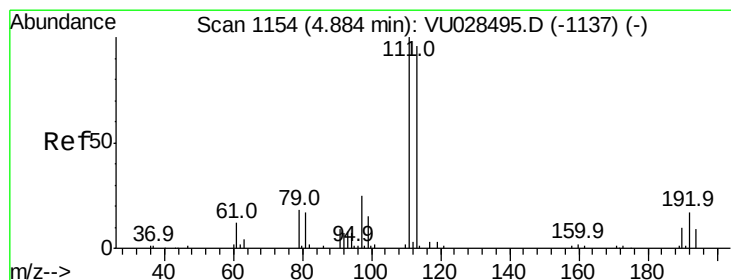
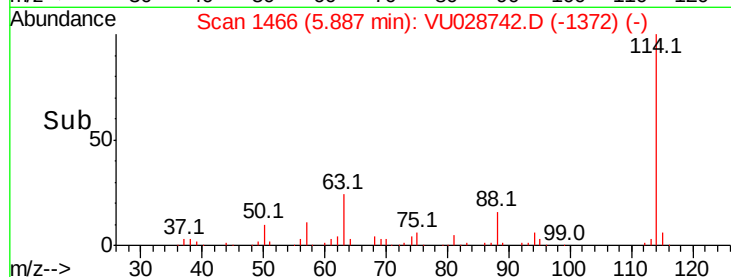
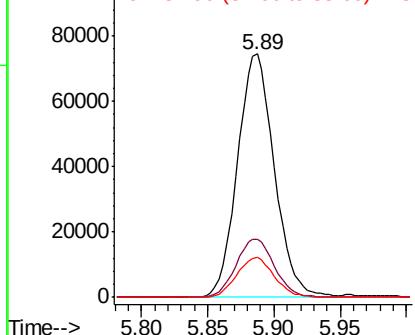
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028742.D
 Acq: 18 Dec 2018 00:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	16.3	0.0	33.4

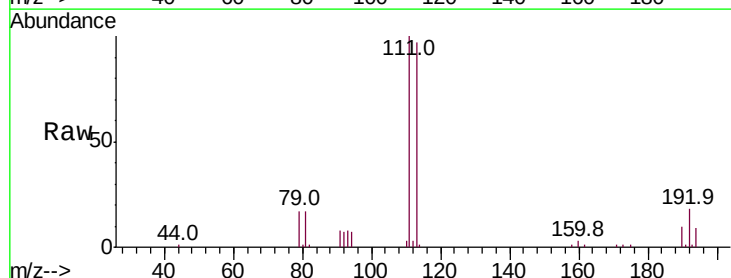


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

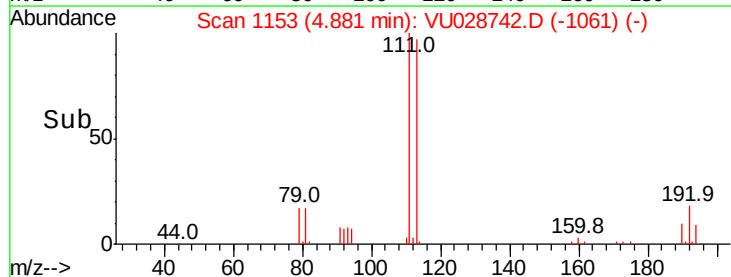
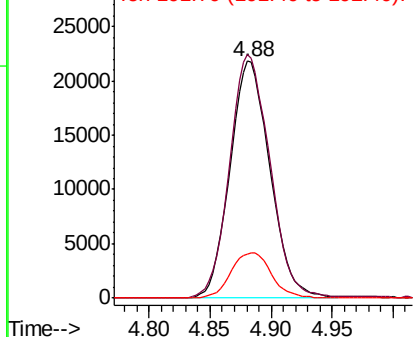


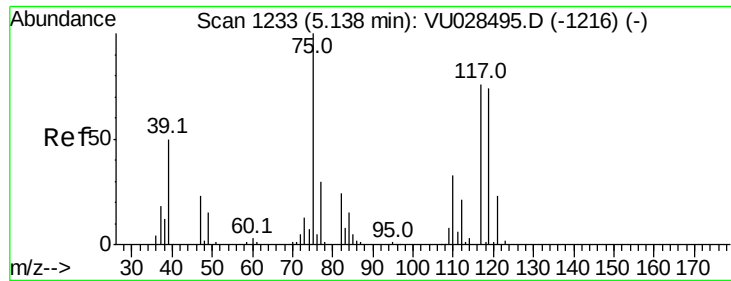
#35
 Dibromofluoromethane
 Concen: 54.679 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028742.D
 Acq: 18 Dec 2018 00:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.0
192	19.1	14.8	22.2



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

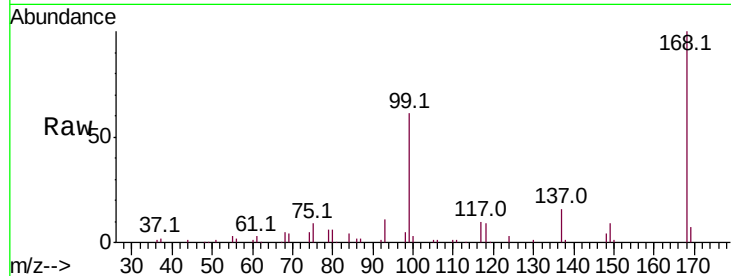




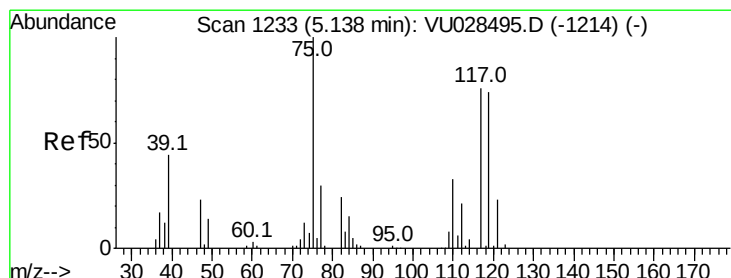
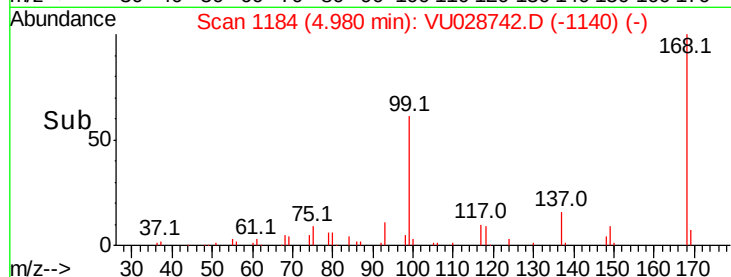
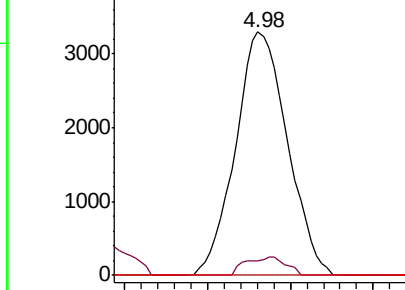
#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028742.D
 Acq: 18 Dec 2018 00:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 7178
 Ion Ratio Lower Upper
 75 100
 110 5.8 16.1 48.2#
 77 0.0 24.5 36.7#

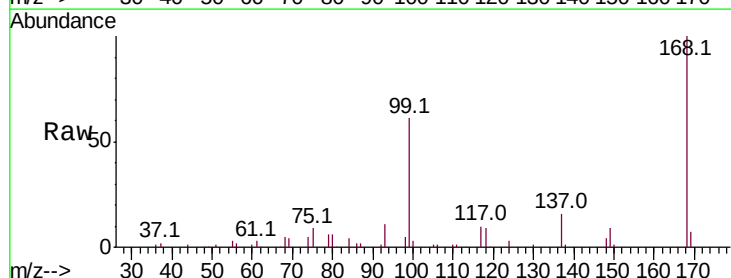


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)
 Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)
 Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)

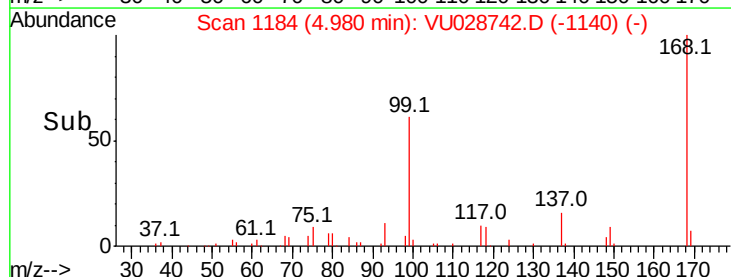
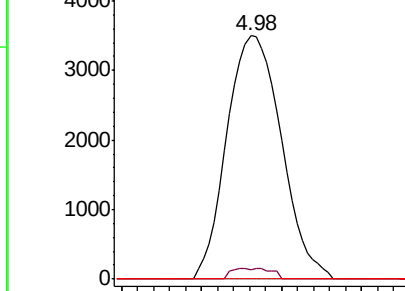


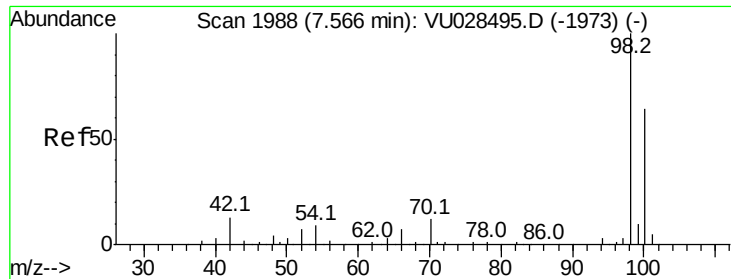
#38
 Carbon Tetrachloride
 Concen: 6.420 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028742.D
 Acq: 18 Dec 2018 00:46

Tgt Ion: 117 Resp: 8178
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.6 116.4#
 121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)
 Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)
 Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





#50

Toluene-d8

Concen: 52.045 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028742.D

Acq: 18 Dec 2018 00:46

Instrument :

MSVOA_U

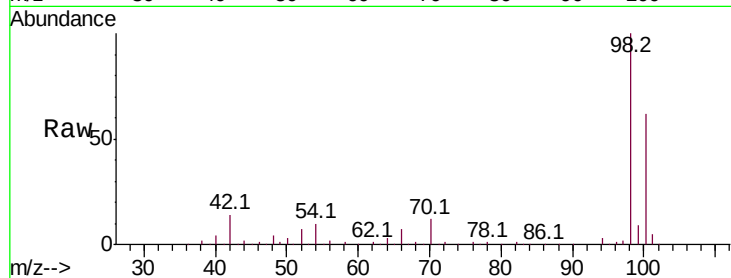
ClientSampled :

Tot Ion: 98 Resp: 187122

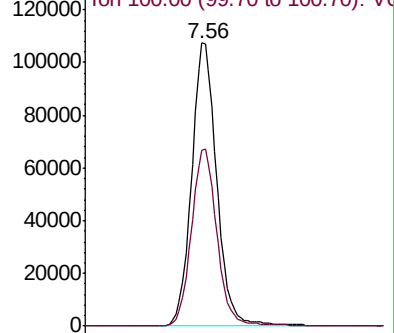
Ion Ratio Lower Upper

98 100

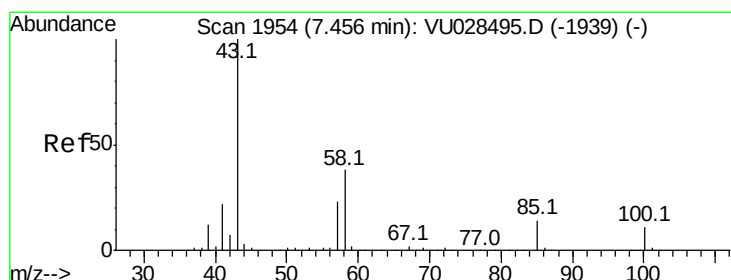
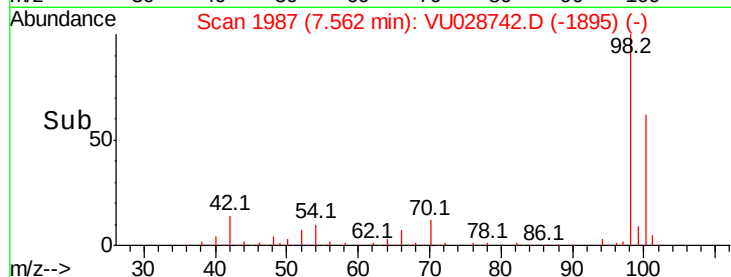
100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.508 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028742.D

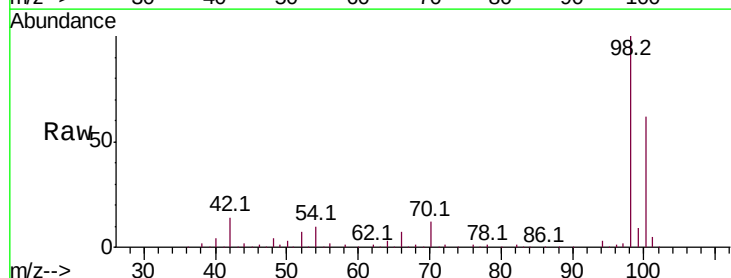
Acq: 18 Dec 2018 00:46

Tgt Ion: 43 Resp: 1035

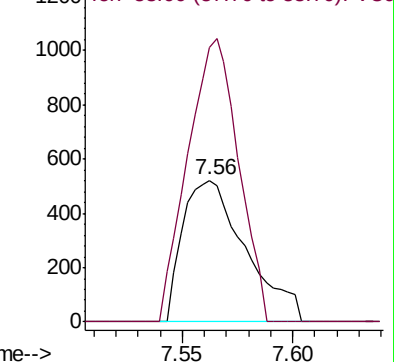
Ion Ratio Lower Upper

43 100

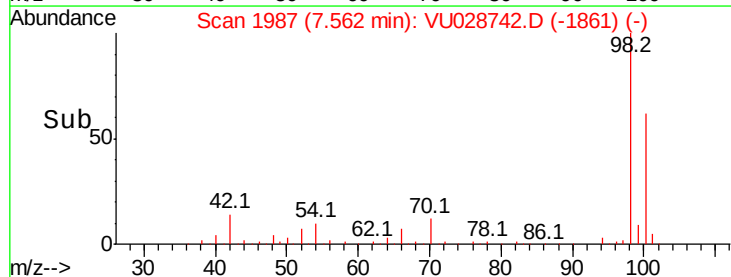
58 160.6 30.2 45.2#

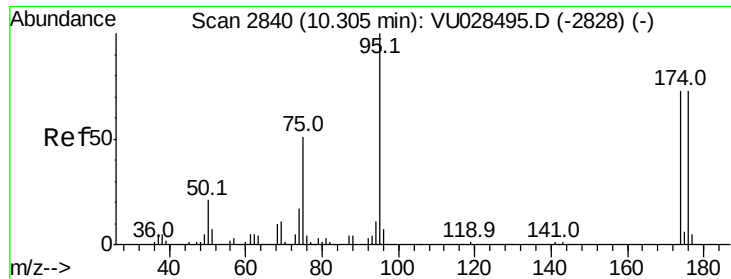


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)



Time-->

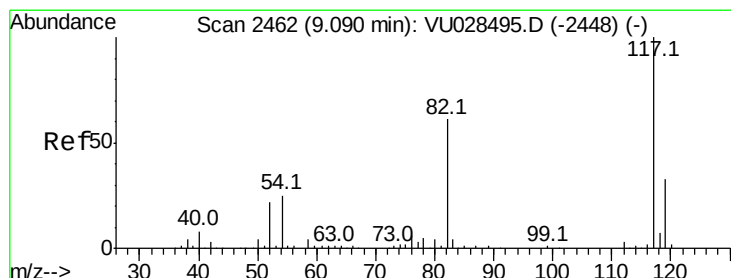
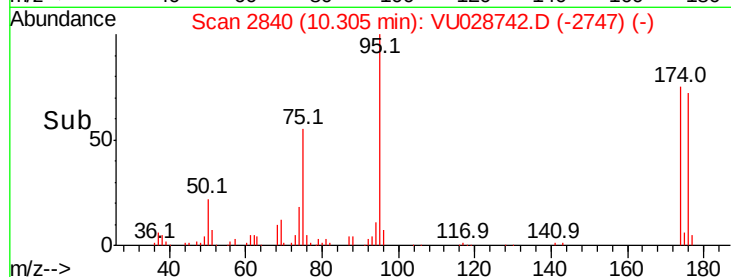
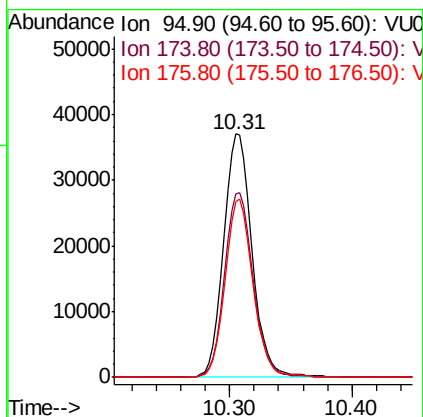
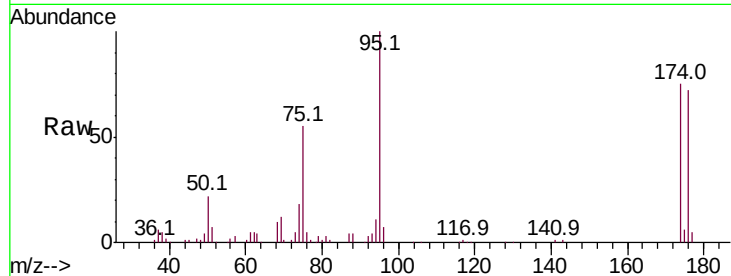




#62
4-Bromofluorobenzene
Concen: 45.125 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028742.D
Acq: 18 Dec 2018 00:46

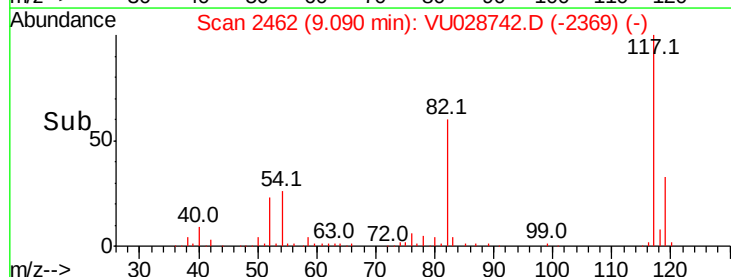
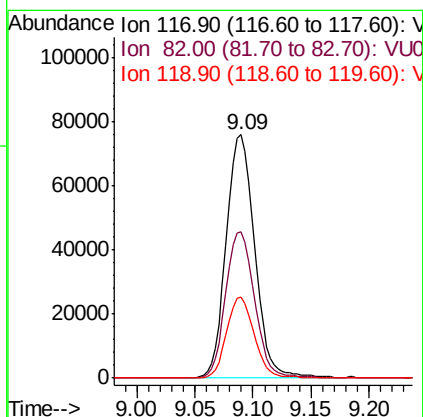
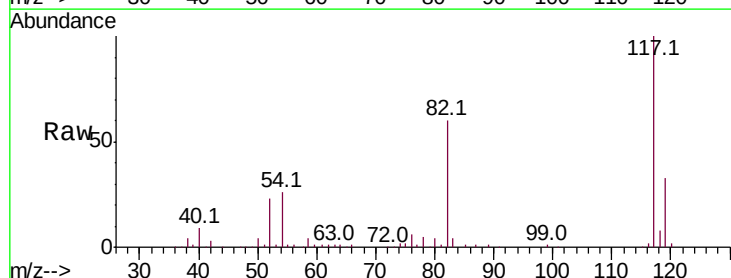
Instrument :
MSVOA_U
ClientSampleId :

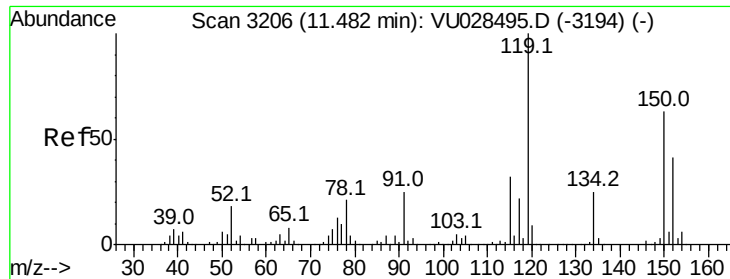
Tot Ion: 95 Resp: 60641
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.4
176 72.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028742.D
Acq: 18 Dec 2018 00:46

Tgt Ion: 117 Resp: 129261
Ion Ratio Lower Upper
117 100
82 60.3 48.9 73.3
119 33.4 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028742.D

Acq: 18 Dec 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

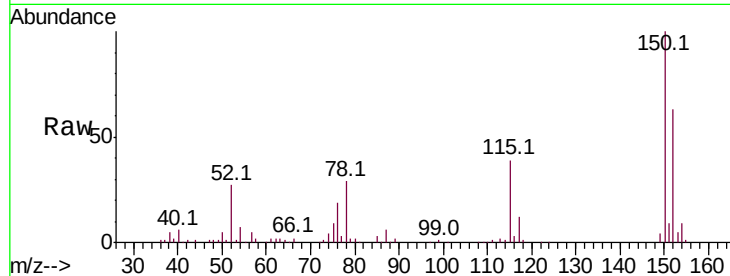
Tot Ion:152 Resp: 50178

Ion Ratio Lower Upper

152 100

115 61.0 42.7 128.1

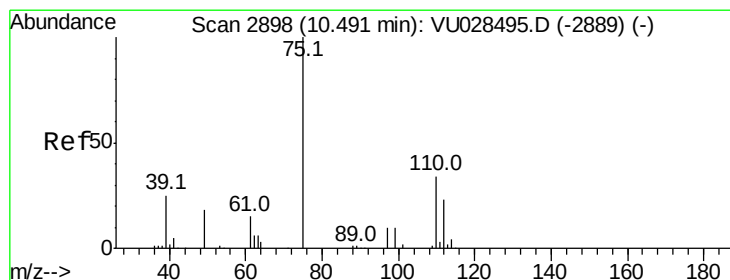
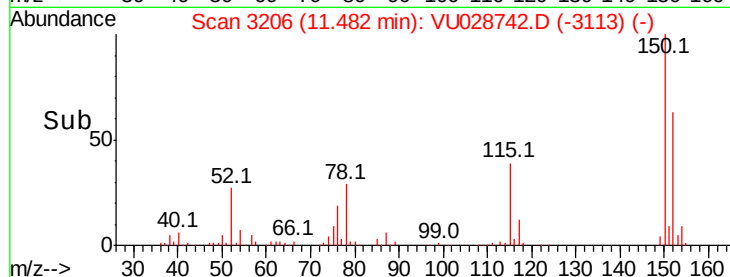
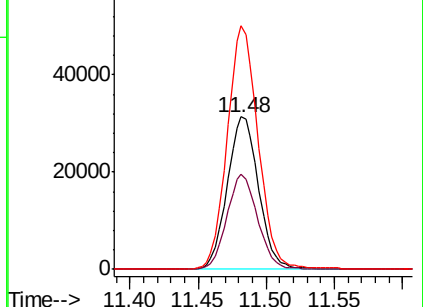
150 157.3 0.0 346.0



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: 25.352 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028742.D

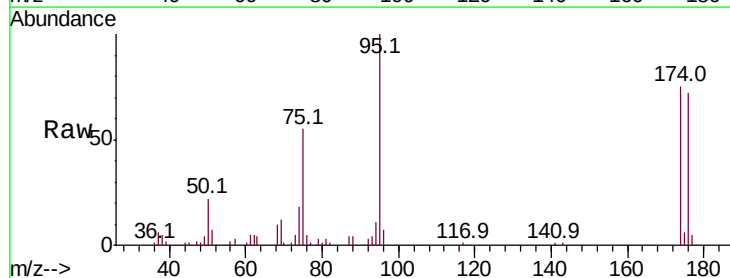
Acq: 18 Dec 2018 00:46

Tgt Ion: 75 Resp: 32484

Ion Ratio Lower Upper

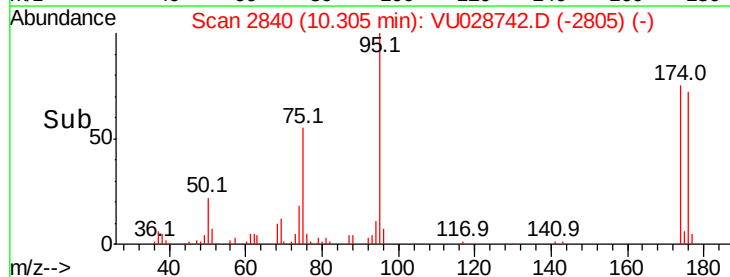
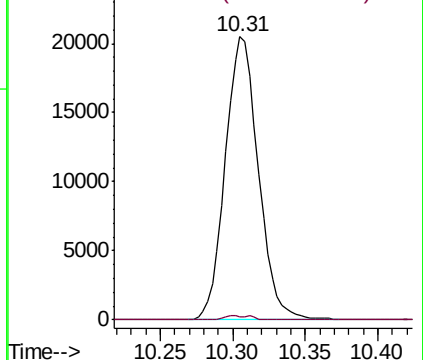
75 100

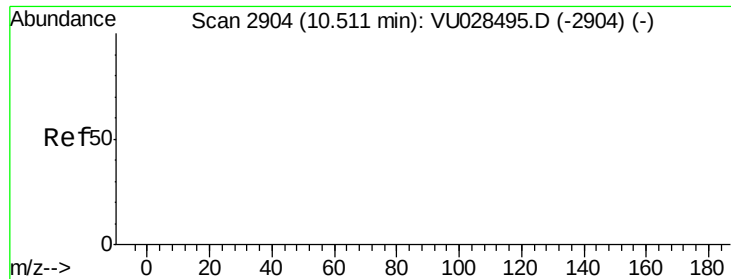
77 0.9 20.8 62.4#



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: 62.204 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028742.D

Acq: 18 Dec 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

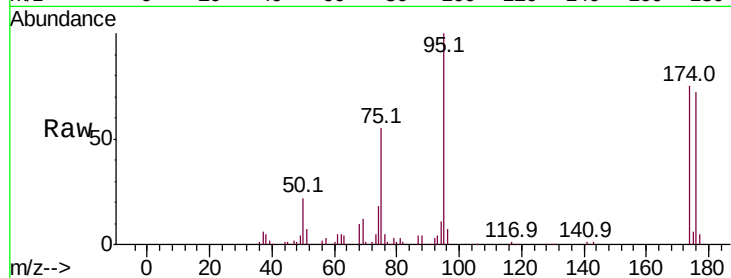
Tot Ion: 75 Resp: 32484

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

