

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028651.D
 Acq On : 12 Dec 2018 14:46
 Operator : MD/SY
 Sample : J6351-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS036-181210

Quant Time: Dec 13 00:48:34 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

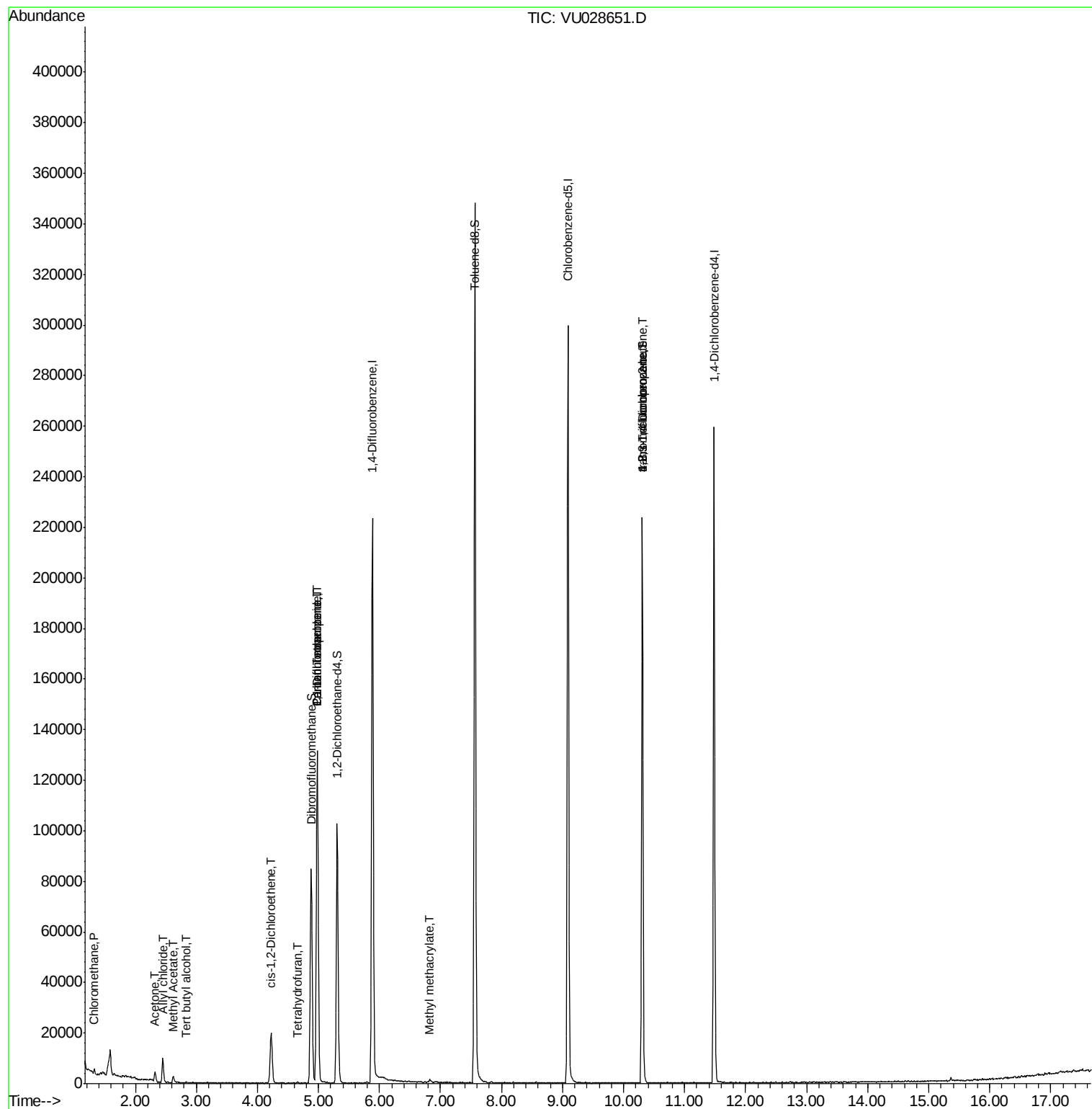
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	99104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	180561	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	160920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63922	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79226	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.76%	
35) Dibromofluoromethane	4.88	113	60011	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
50) Toluene-d8	7.56	98	229783	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	10.30	95	76477	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.04%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1820	0.745	ug/l	99
11) Tert butyl alcohol	2.83	59	147	0.436	ug/l #	73
14) Allyl chloride	2.45	41	986	0.378	ug/l #	74
16) Acetone	2.32	43	4395	4.453	ug/l	99
18) Methyl Acetate	2.62	43	3595	1.405	ug/l #	90
27) cis-1,2-Dichloroethene	4.22	96	11190	7.958	ug/l	88
29) Tetrahydrofuran	4.66	42	449	0.518	ug/l #	44
31) Cyclohexane	4.98	56	2337	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8508	4.306	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9846	6.183	ug/l #	16
48) Methyl methacrylate	6.83	41	412	0.205	ug/l #	24
76) 1,2,3-Trichloropropane	10.30	75	38988	23.886	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	38988	58.636	ug/l #	100

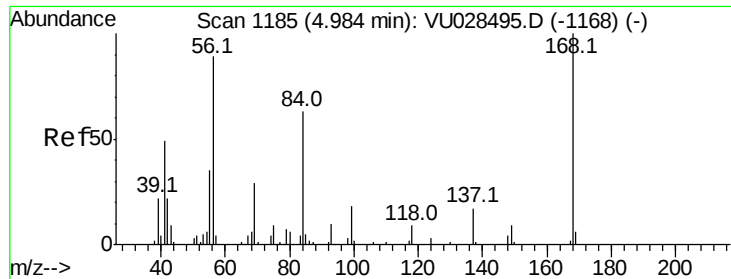
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028651.D

Acq: 12 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

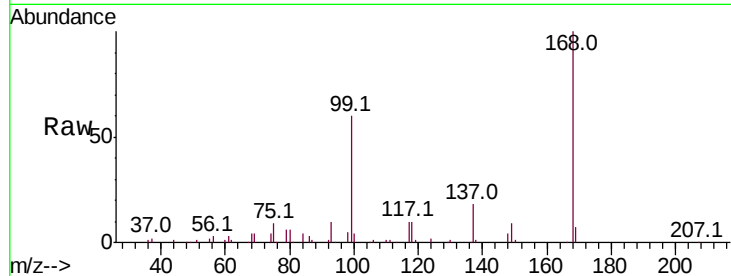
KY038PS036-181210

Tot Ion:168 Resp: 99104

Ion Ratio Lower Upper

168 100

99 59.7 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

50000

40000

30000

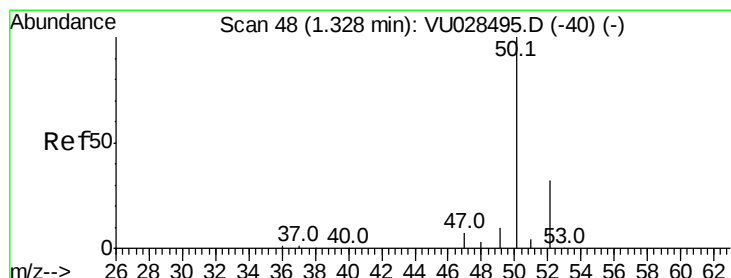
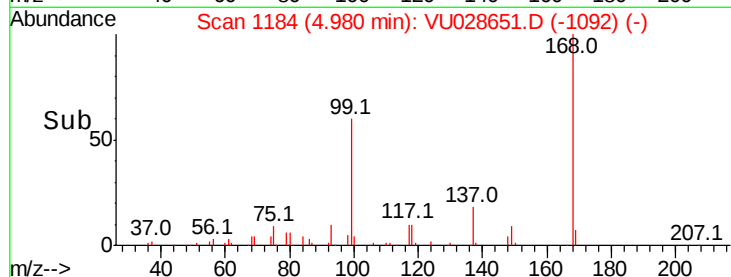
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#3

Chloromethane

Concen: 0.745 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028651.D

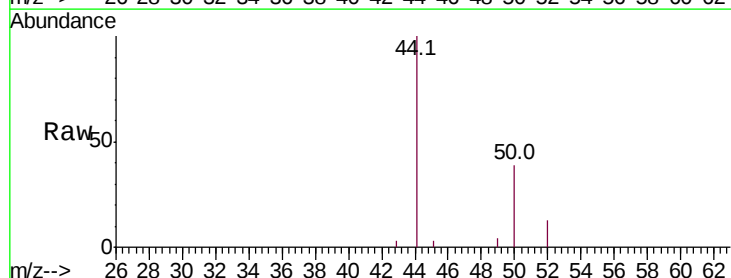
Acq: 12 Dec 2018 14:46

Tgt Ion: 50 Resp: 1820

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1500

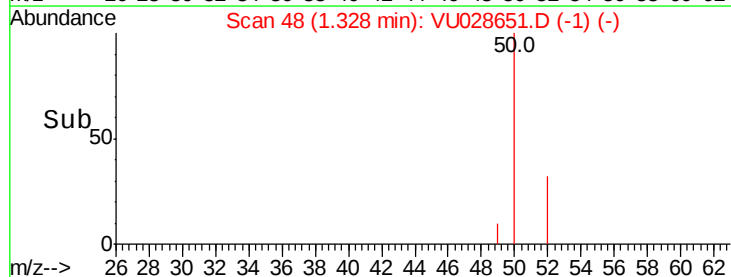
1000

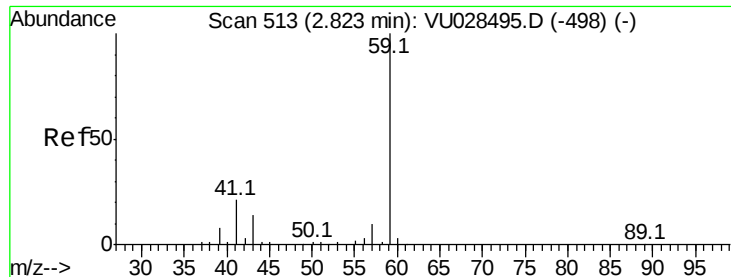
500

0

Time-->

1.30 1.35



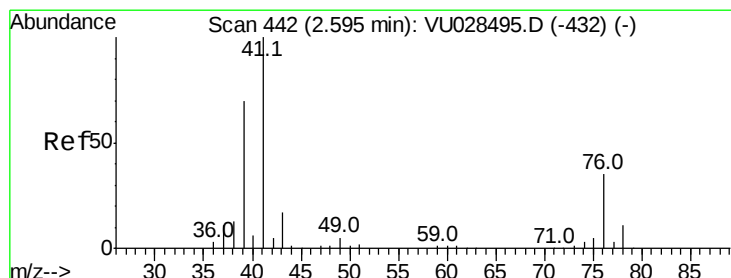
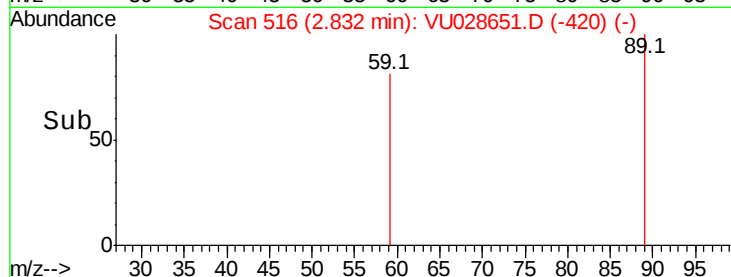
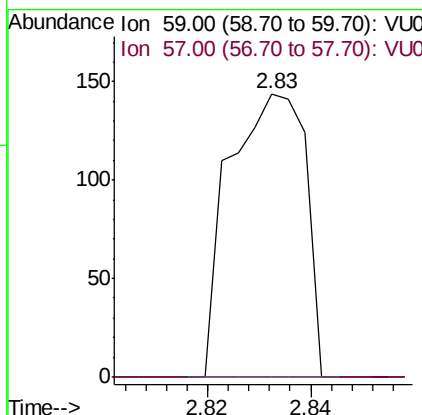
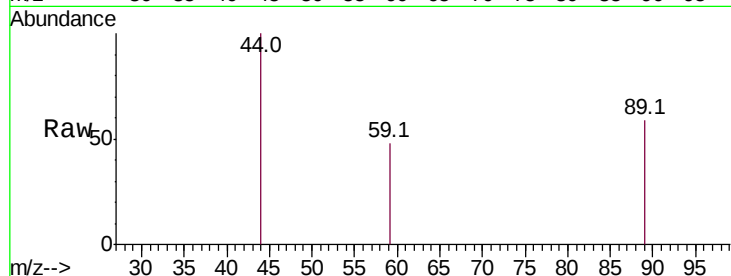


#11

Tert butyl alcohol
 Concen: 0.436 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS036-181210

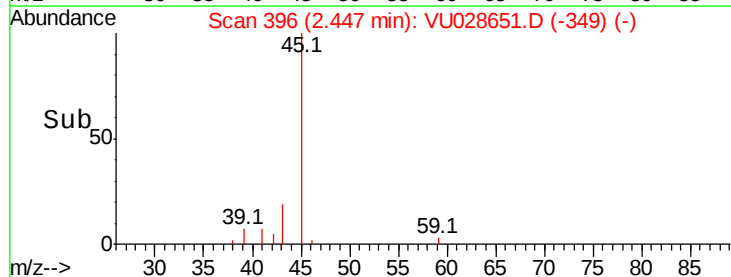
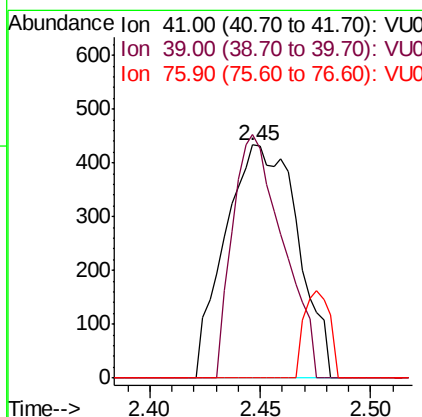
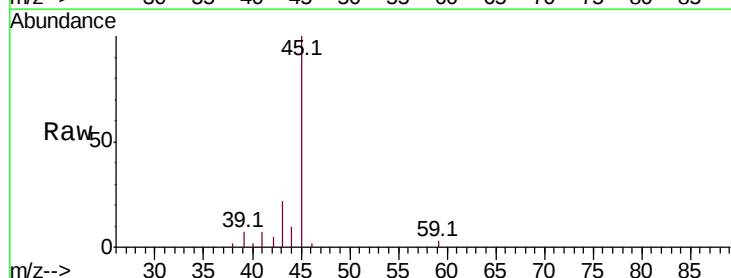
Tot Ion: 59 Resp: 147
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

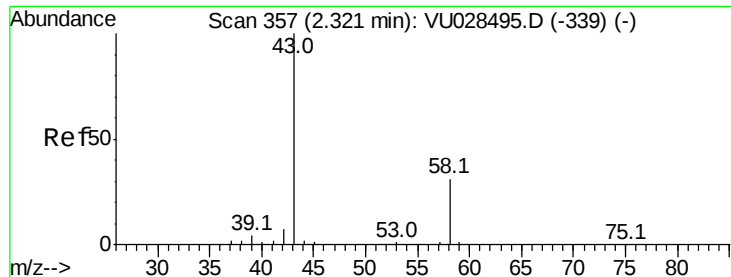


#14

Allyl chloride
 Concen: 0.378 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.15 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Tgt Ion: 41 Resp: 986
 Ion Ratio Lower Upper
 41 100
 39 72.3 50.8 76.2
 76 0.0 24.8 37.2#





#16

Acetone

Concen: 4.453 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028651.D

Acq: 12 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

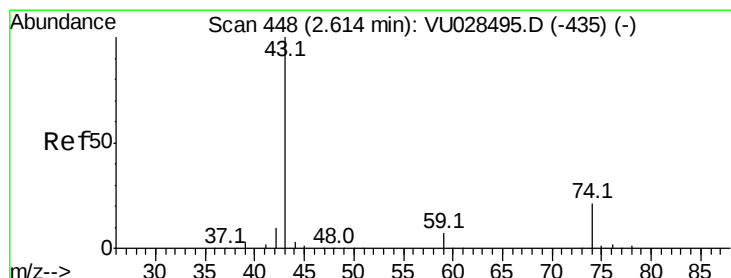
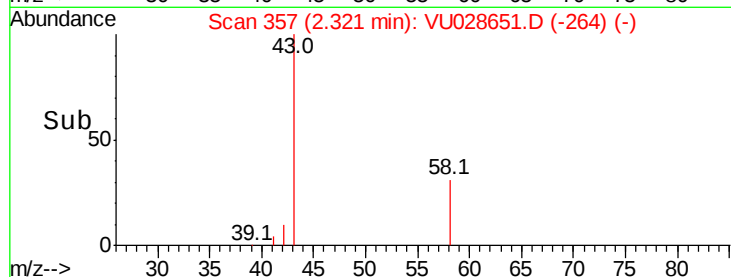
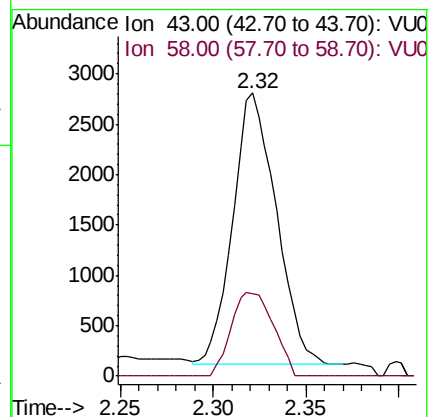
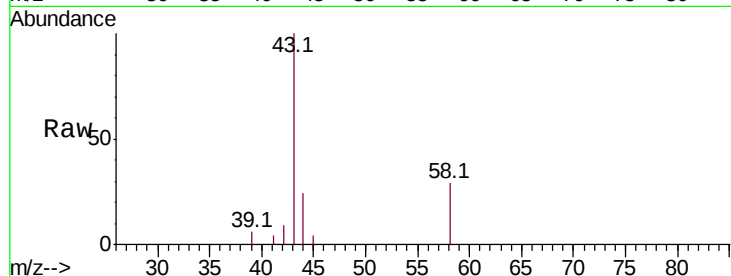
KY038PS036-181210

Tot Ion: 43 Resp: 4395

Ion Ratio Lower Upper

43 100

58 30.4 24.6 37.0



#18

Methyl Acetate

Concen: 1.405 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028651.D

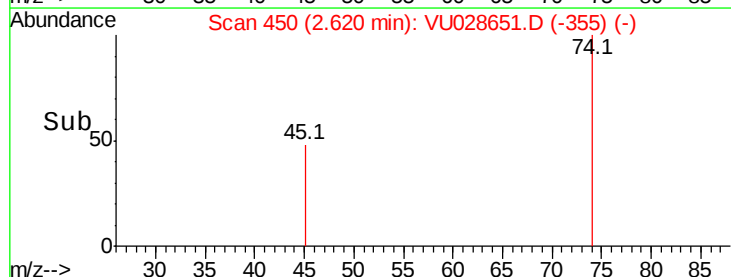
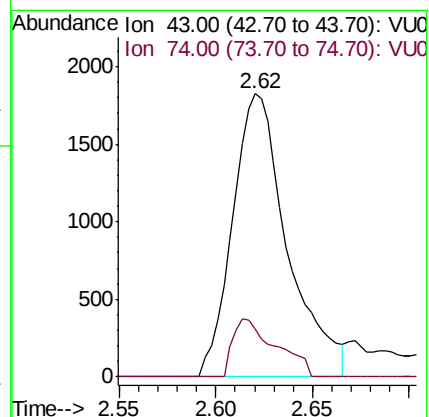
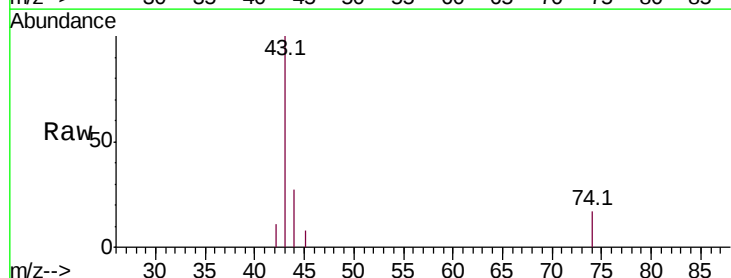
Acq: 12 Dec 2018 14:46

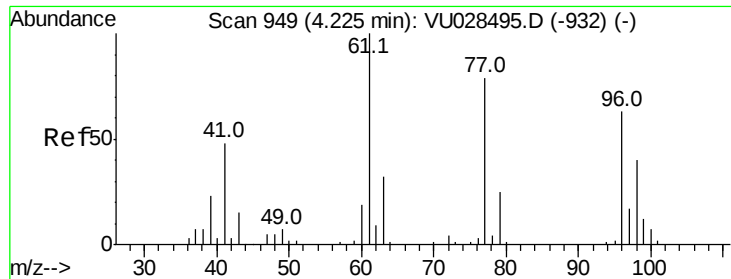
Tgt Ion: 43 Resp: 3595

Ion Ratio Lower Upper

43 100

74 15.9 16.4 24.6#



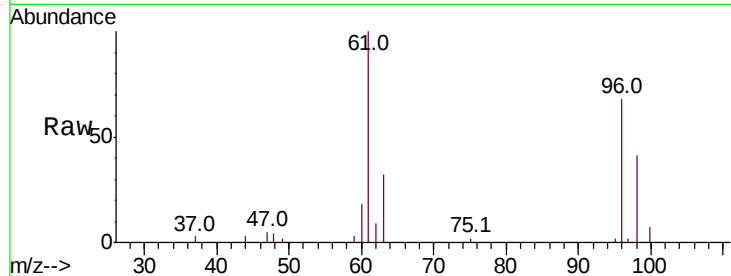


#27

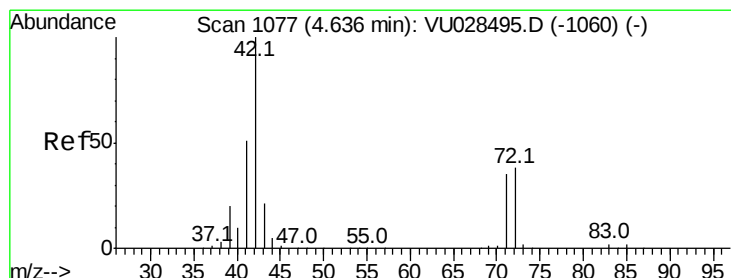
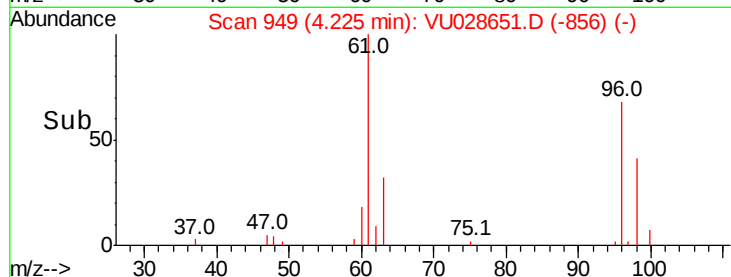
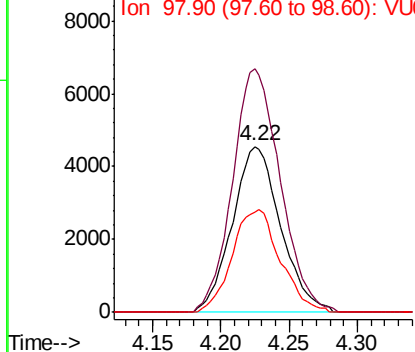
cis-1,2-Dichloroethene
 Concen: 7.958 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS036-181210

Tot Ion: 96 Resp: 11190
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 332.4
 98 61.6 0.0 129.0



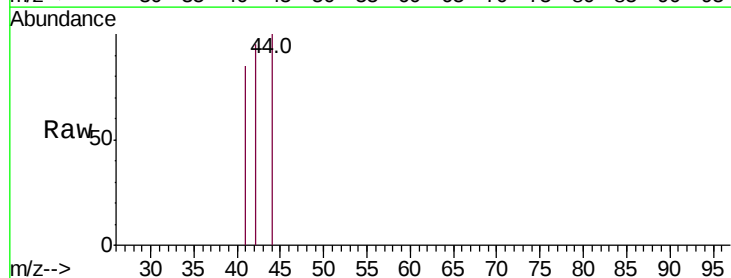
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



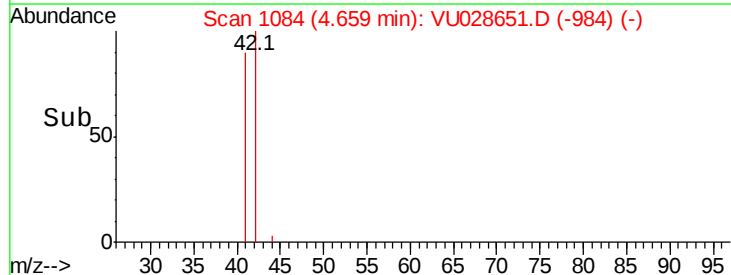
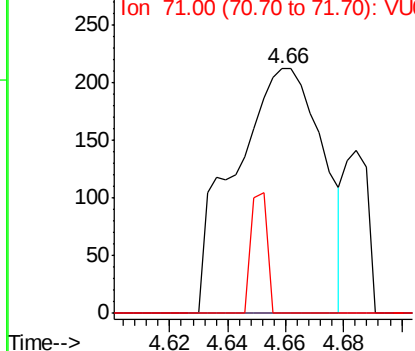
#29

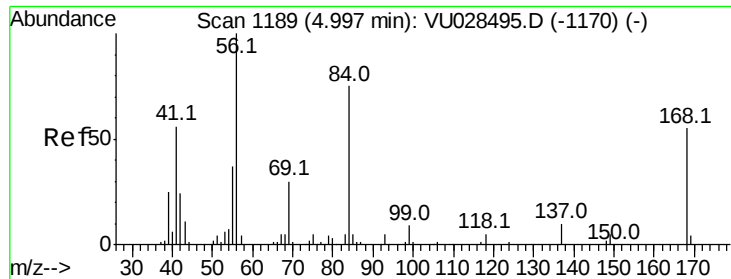
Tetrahydrofuran
 Concen: 0.518 ug/l
 RT: 4.66 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Tgt Ion: 42 Resp: 449
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.4 47.0#
 71 8.7 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0

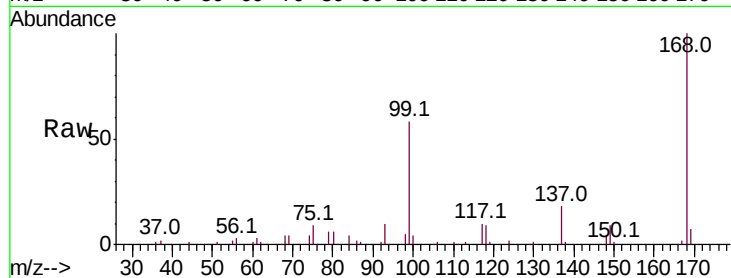




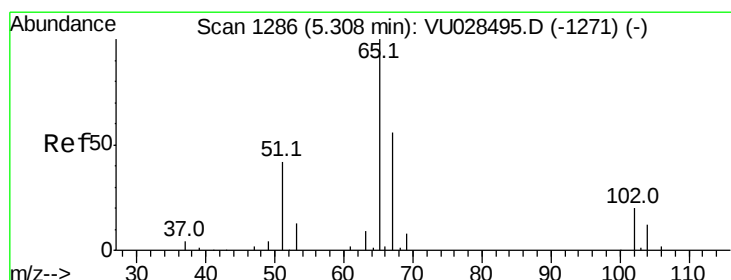
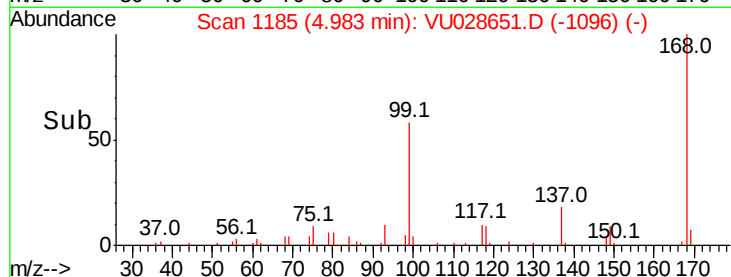
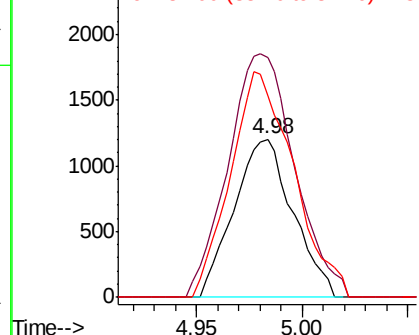
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028651.D
Acq: 12 Dec 2018 14:46

Instrument :
MSVOA_U
ClientSampleId :
KY038PS036-181210

Tot Ion: 56 Resp: 2337
Ion Ratio Lower Upper
56 100
69 141.4 24.0 36.0#
84 127.1 59.7 89.5#

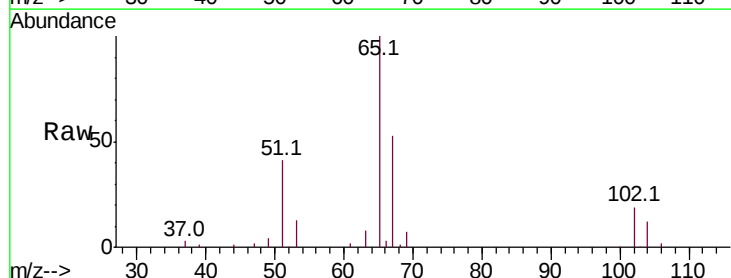


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

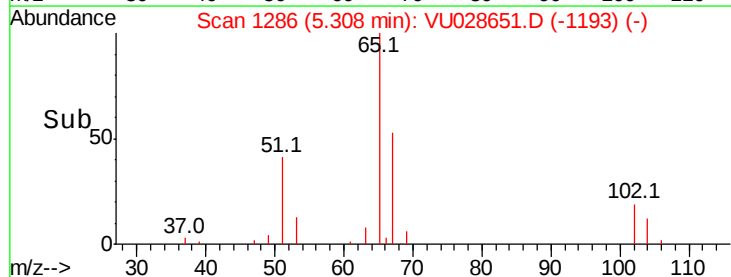
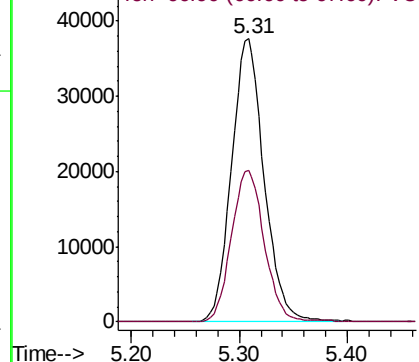


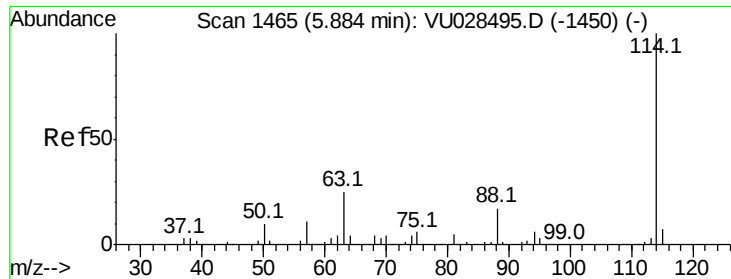
#33
1,2-Dichloroethane-d4
Concen: 52.385 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028651.D
Acq: 12 Dec 2018 14:46

Tgt Ion: 65 Resp: 79226
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.6



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

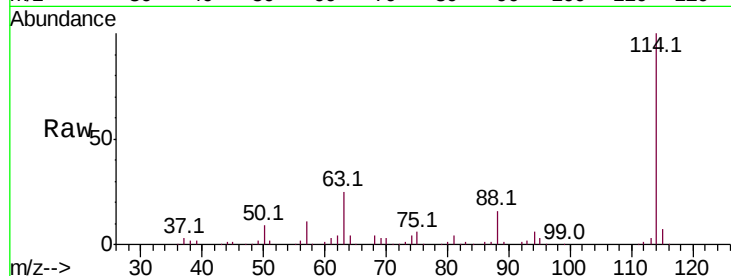




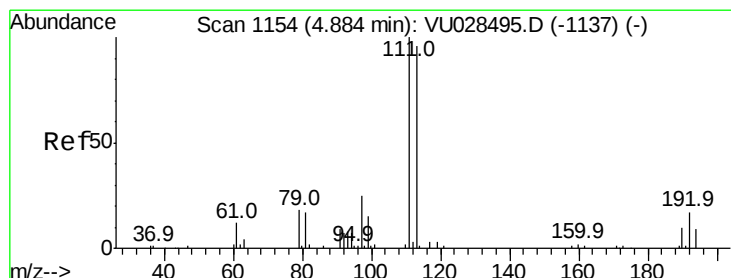
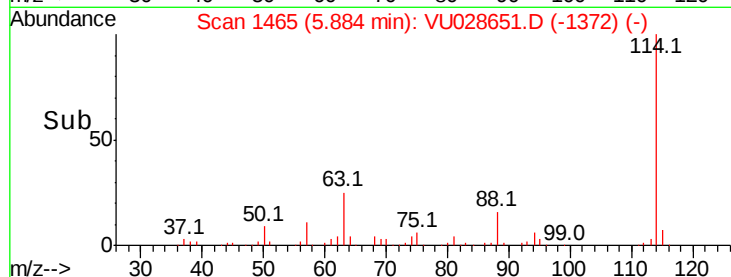
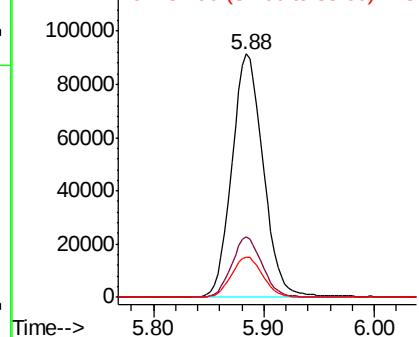
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS036-181210

Tot Ion:114 Resp: 180561
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.4 0.0 33.4

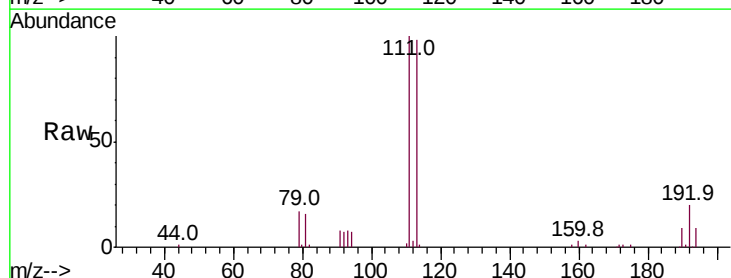


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

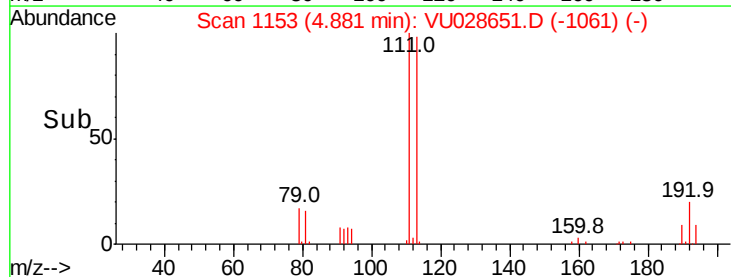
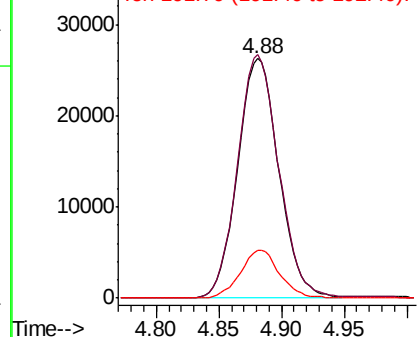


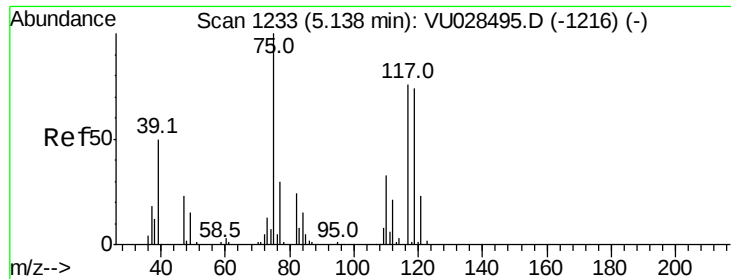
#35
 Dibromofluoromethane
 Concen: 52.813 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Tgt Ion:113 Resp: 60011
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.4 125.0
 192 18.9 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

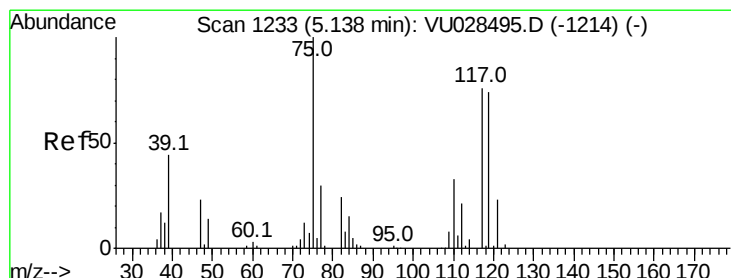
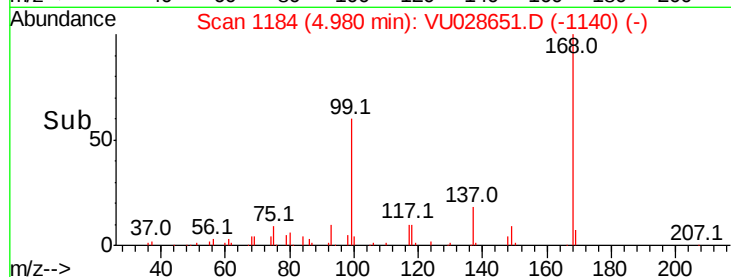
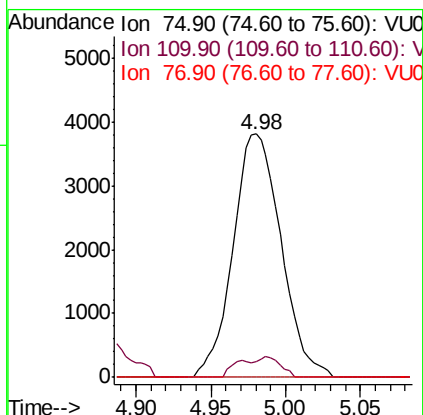
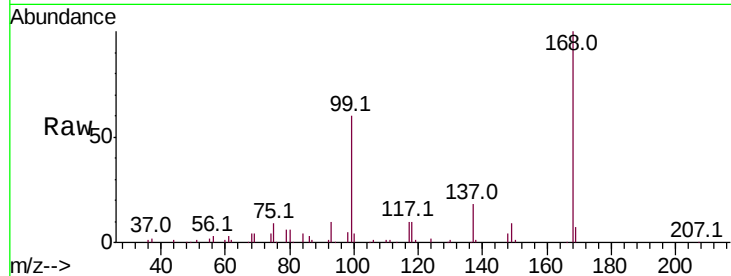




#36
 1,1-Dichloropropene
 Concen: 4.306 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

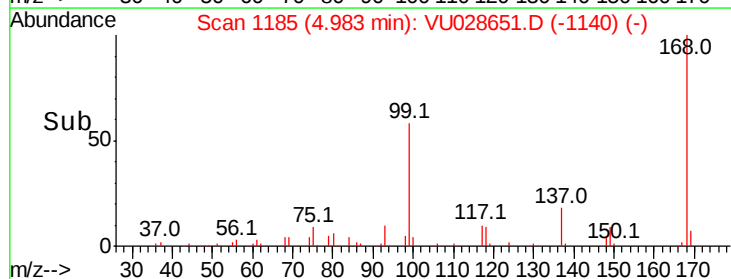
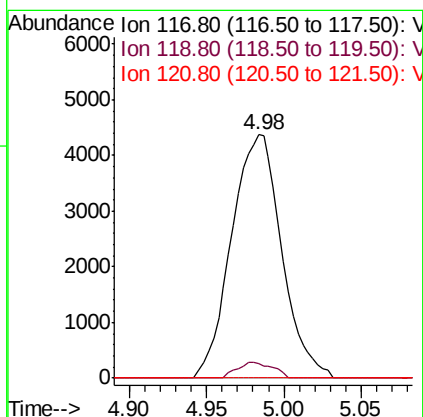
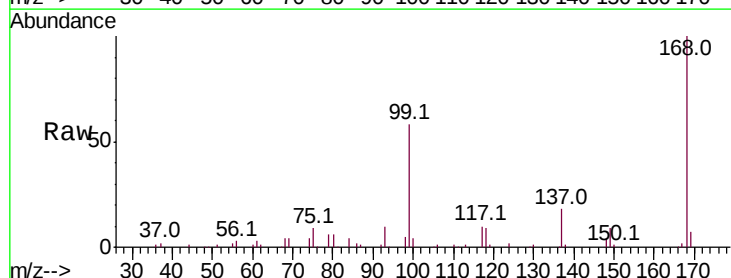
Instrument :
 MSVOA_U
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 KY038PS036-181210

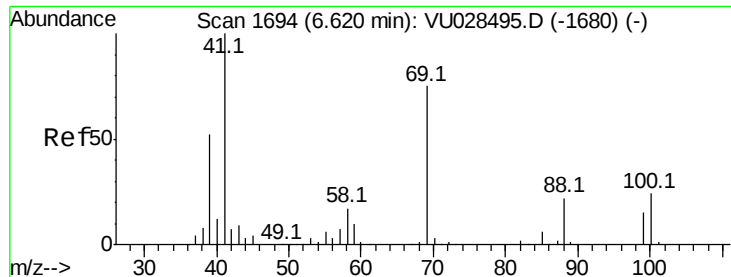
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.2	16.1	48.2#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.183 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028651.D
 Acq: 12 Dec 2018 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.6	116.4#
121	0.0	24.6	36.8#





#48

Methyl methacrylate

Concen: 0.205 ug/l

RT: 6.83 min Scan# 1759

Delta R.T. 0.21 min

Lab File: VU028651.D

Acq: 12 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

KY038PS036-181210

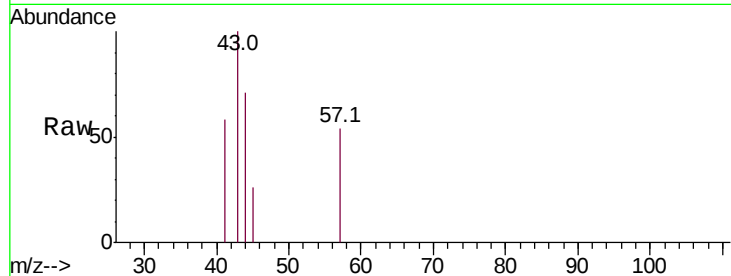
Tot Ion: 41 Resp: 412

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 11.2 41.1 61.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

6.83

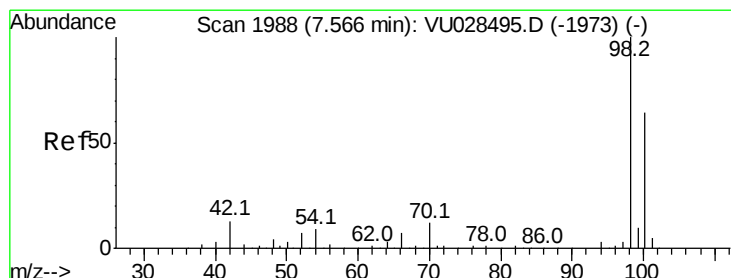
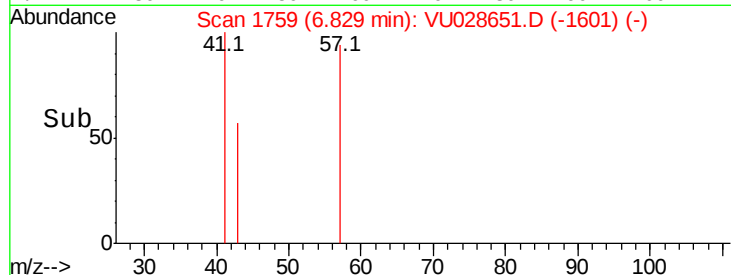
200

100

0

6.78 6.80 6.82 6.84 6.86

Time-->



#50

Toluene-d8

Concen: 51.120 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028651.D

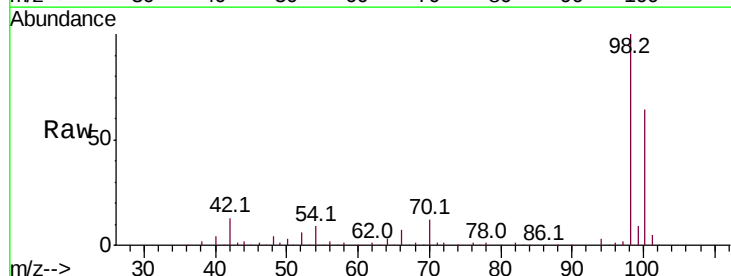
Acq: 12 Dec 2018 14:46

Tgt Ion: 98 Resp: 229783

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

150000

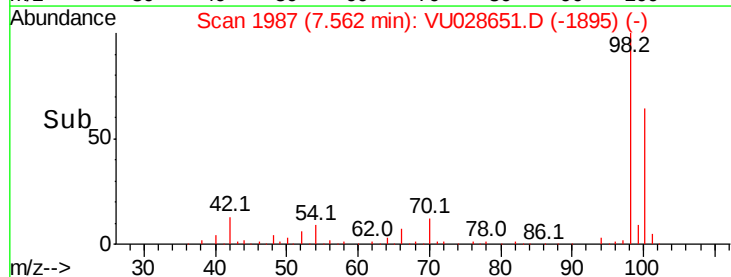
100000

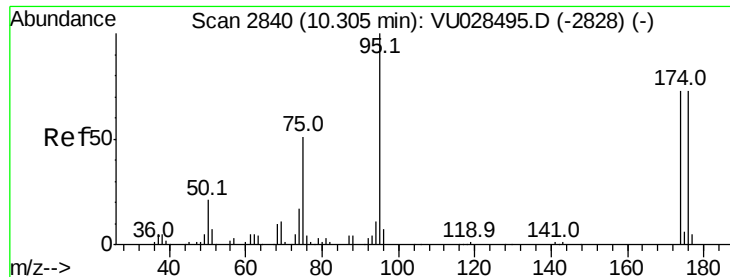
50000

0

7.50 7.55 7.60 7.65 7.70

Time-->

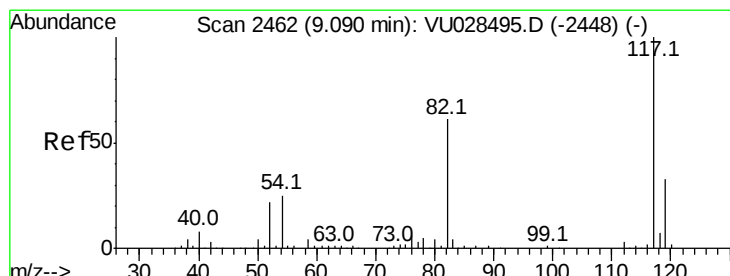
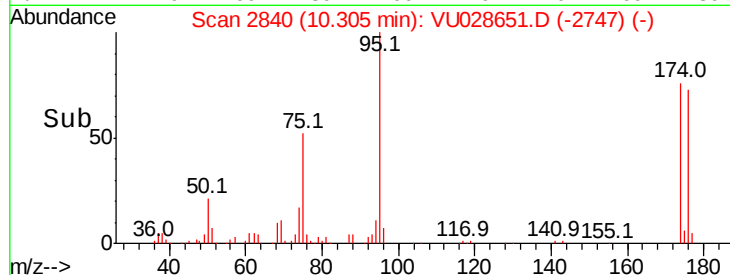
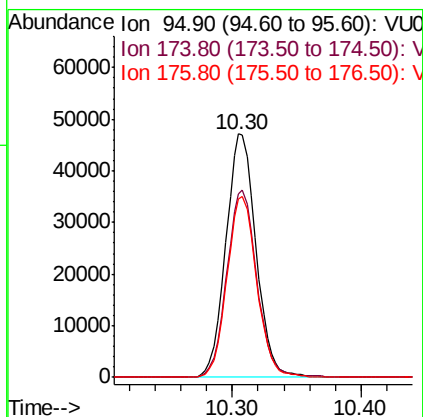
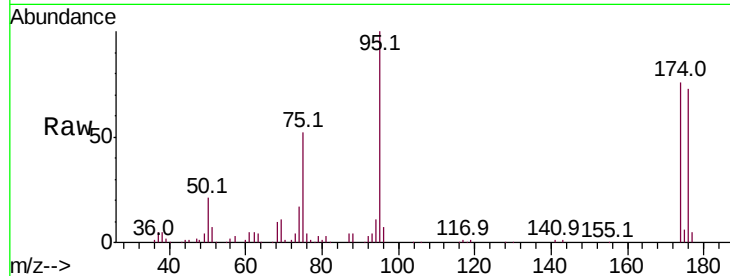




#62
4-Bromofluorobenzene
Concen: 45.521 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028651.D
Acq: 12 Dec 2018 14:46

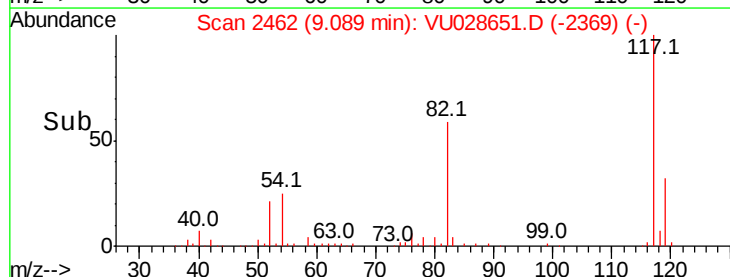
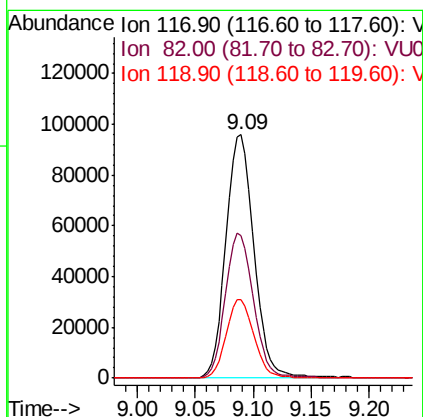
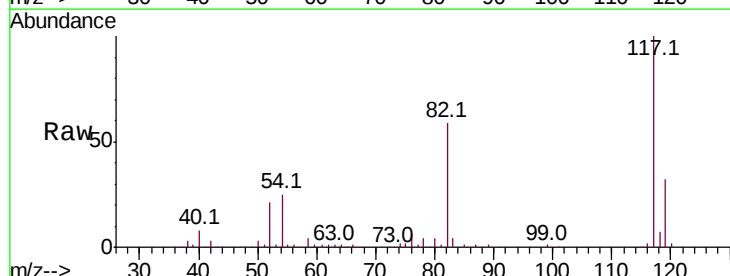
Instrument :
MSVOA_U
ClientSampleId :
KY038PS036-181210

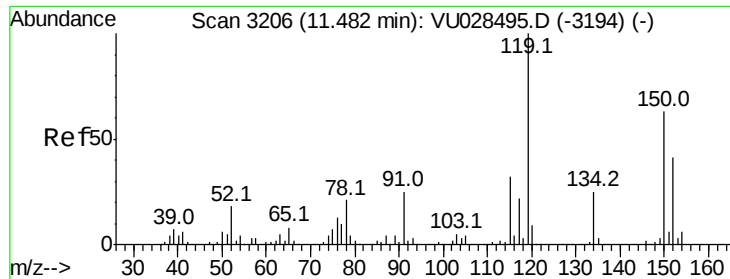
Tot Ion: 95 Resp: 76477
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.4
176 73.2 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028651.D
Acq: 12 Dec 2018 14:46

Tgt Ion: 117 Resp: 160920
Ion Ratio Lower Upper
117 100
82 58.7 48.9 73.3
119 32.5 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: VU028651.D

Acq: 12 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

KY038PS036-181210

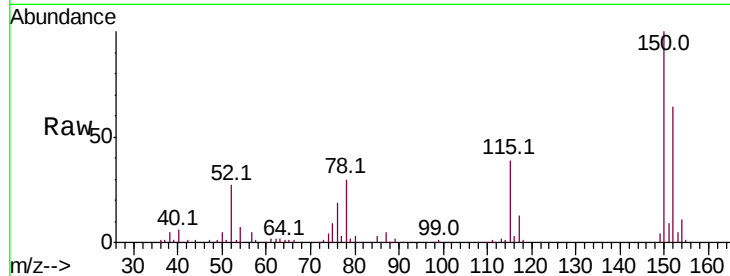
Tot Ion:152 Resp: 63922

Ion Ratio Lower Upper

152 100

115 61.8 42.7 128.1

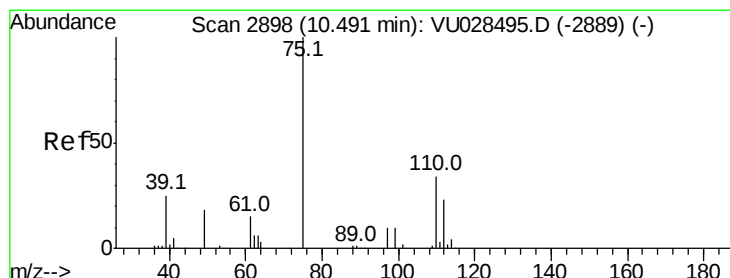
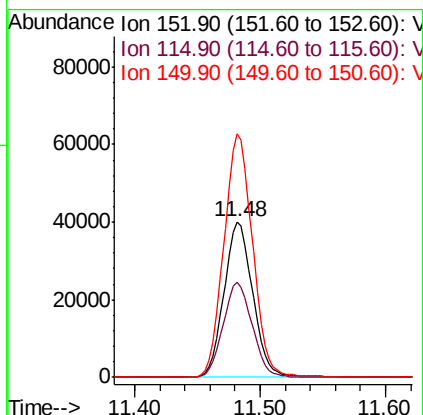
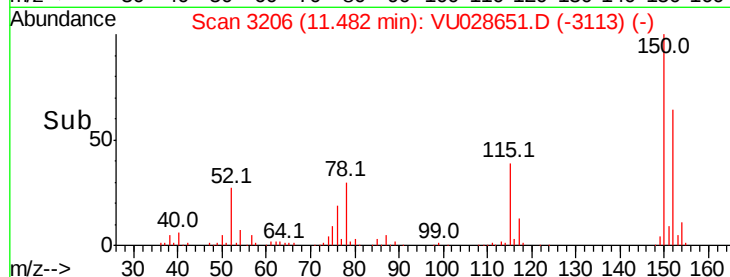
150 156.5 0.0 346.0



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: 23.886 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028651.D

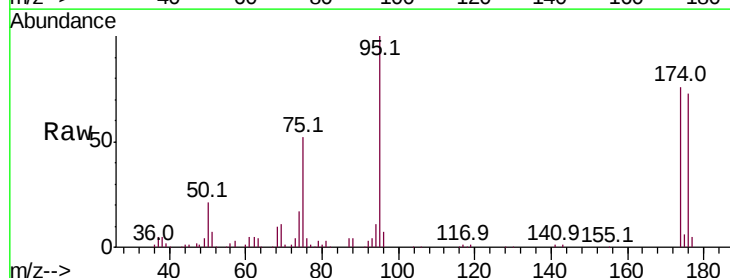
Acq: 12 Dec 2018 14:46

Tgt Ion: 75 Resp: 38988

Ion Ratio Lower Upper

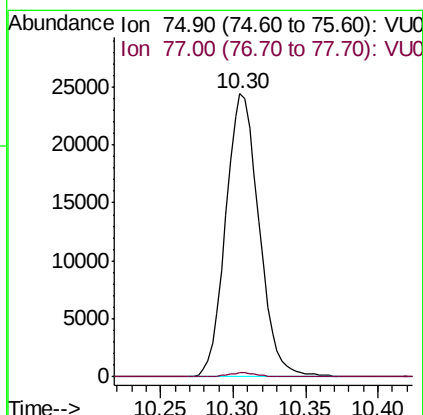
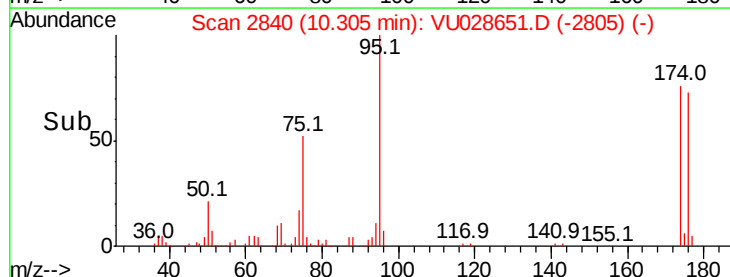
75 100

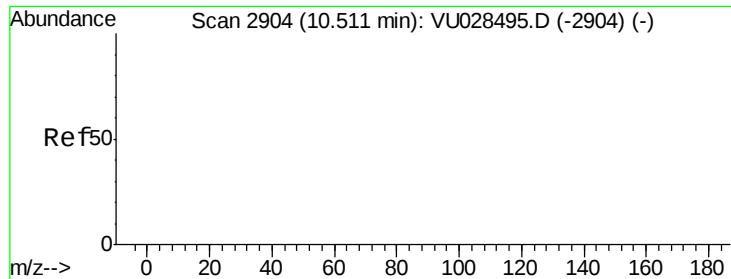
77 1.2 20.8 62.4#



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: 58.636 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028651.D

Acq: 12 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

KY038PS036-181210

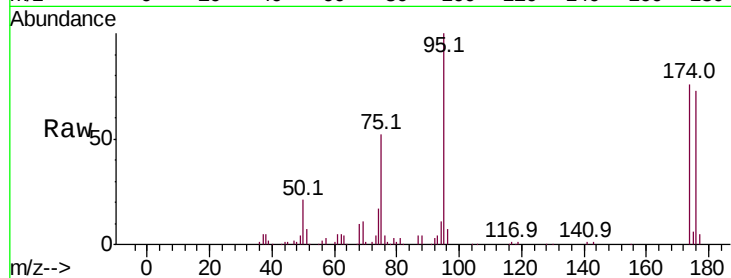
Tot Ion: 75 Resp: 38988

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

