

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028107.D
 Acq On : 13 Nov 2018 21:19
 Operator : MD/SY
 Sample : J5908-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 07:03:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	238040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	439502	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	384305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	157511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	183227	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	4.88	113	138868	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	7.57	98	557293	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	10.31	95	184712	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

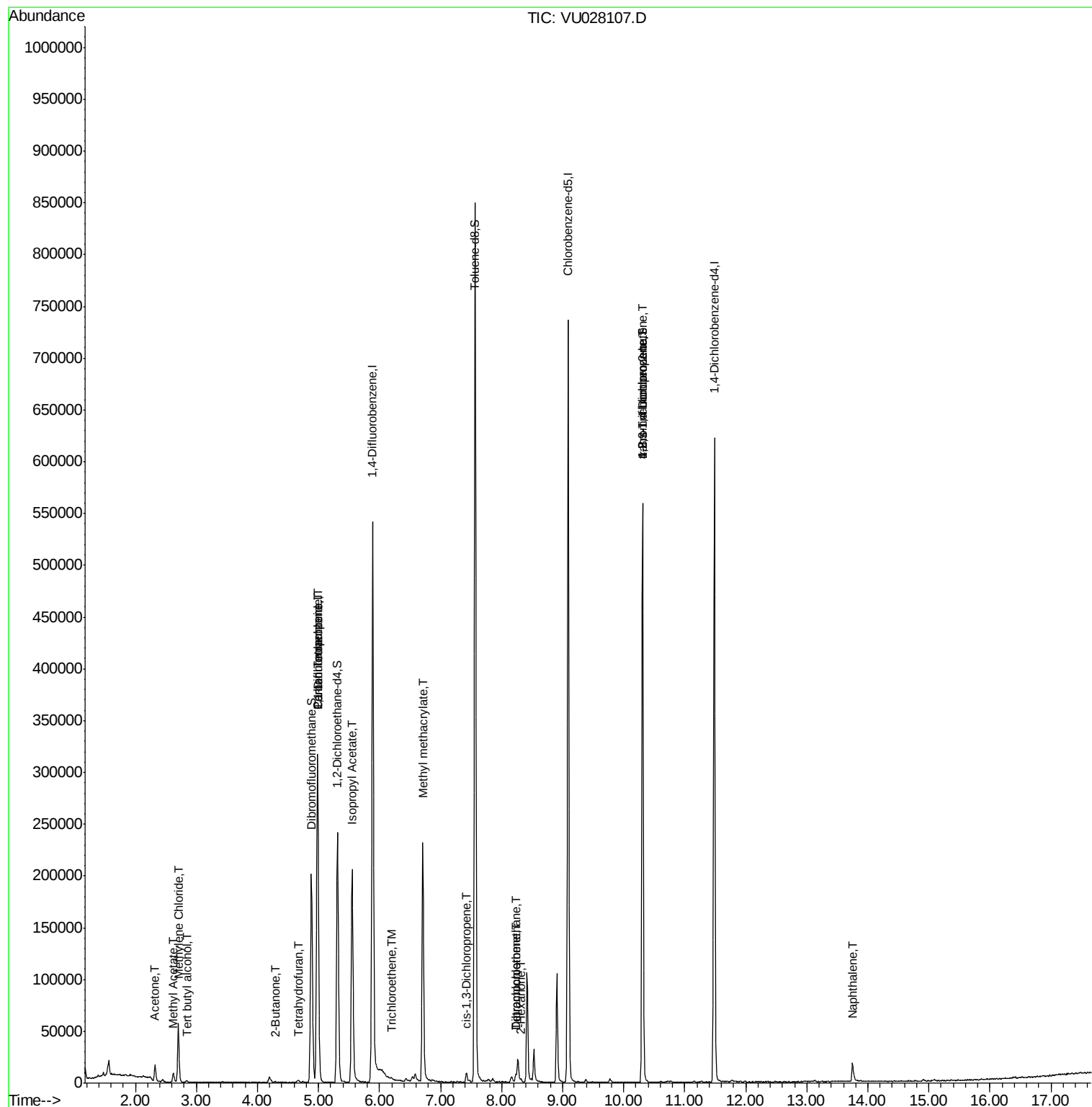
					Qvalue
11) Tert butyl alcohol	2.84	59	769	0.821 ug/l #	73
13) Acrolein	2.19	56	148	Below Cal	92
16) Acetone	2.32	43	16479	7.505 ug/l	93
18) Methyl Acetate	2.62	43	11422	1.891 ug/l	100
20) Methylene Chloride	2.70	84	23292	7.265 ug/l	98
25) 2-Butanone	4.30	43	1476	0.423 ug/l	96
29) Tetrahydrofuran	4.67	42	1295	0.555 ug/l #	54
31) Cyclohexane	4.98	56	2772	Below Cal #	1
36) 1,1-Dichloropropene	4.98	75	20198	4.388 ug/l #	50
38) Carbon Tetrachloride	4.98	117	23409	5.739 ug/l #	16
43) Isopropyl Acetate	5.55	43	242331	22.934 ug/l	99
44) Trichloroethene	6.19	130	683	0.226 ug/l	62
48) Methyl methacrylate	6.71	41	20459	3.951 ug/l #	45
54) cis-1,3-Dichloropropene	7.42	75	1633	0.295 ug/l #	63
59) 2-Hexanone	8.31	43	1886	0.346 ug/l #	26
60) Dibromochloromethane	8.23	129	899	0.282 ug/l #	10
64) Tetrachloroethene	8.23	164	802	0.322 ug/l #	75
76) 1,2,3-Trichloropropane	10.31	75	94483	21.930 ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	94483	54.730 ug/l #	100
95) Naphthalene	13.75	128	19559	1.337 ug/l #	96

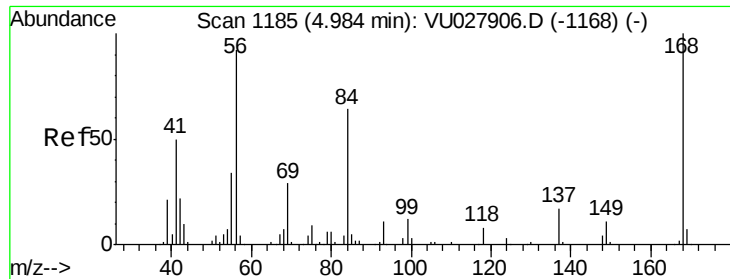
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 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: VU028107.D

Acq: 13 Nov 2018 21:19

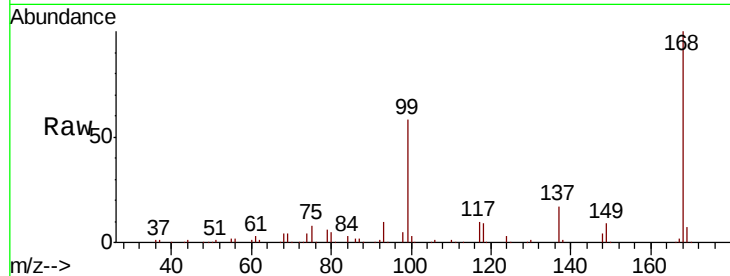
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 238040

Ion Ratio Lower Upper

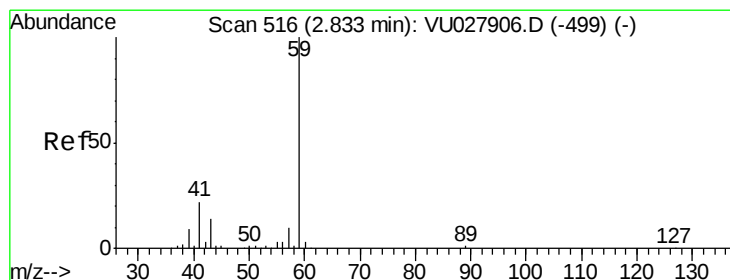
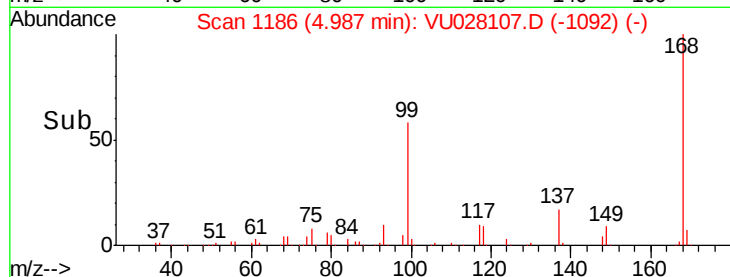
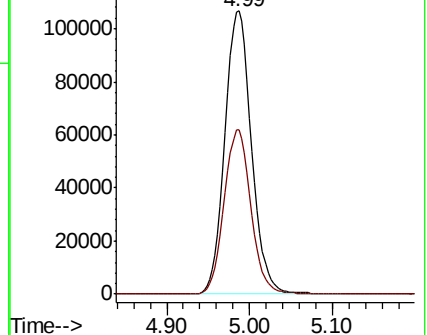
168 100

99 58.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028107.D (-1092) (-)



#11

Tert butyl alcohol

Concen: 0.821 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU028107.D

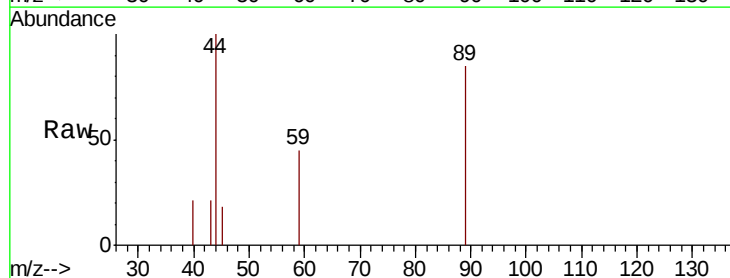
Acq: 13 Nov 2018 21:19

Tgt Ion: 59 Resp: 769

Ion Ratio Lower Upper

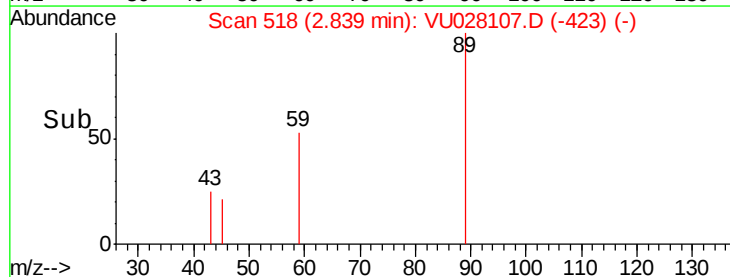
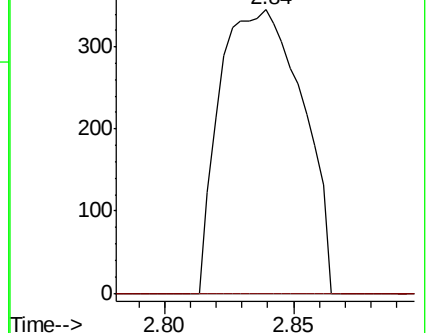
59 100

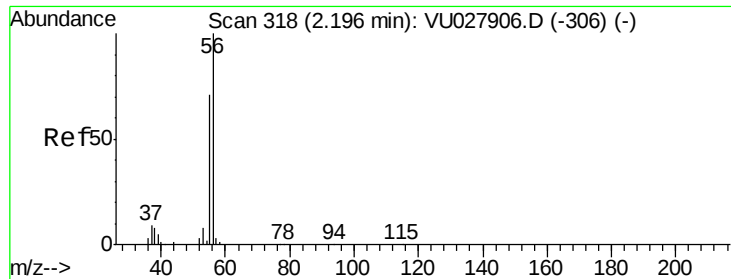
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU028107.D (-423) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

Instrument :

MSVOA_U

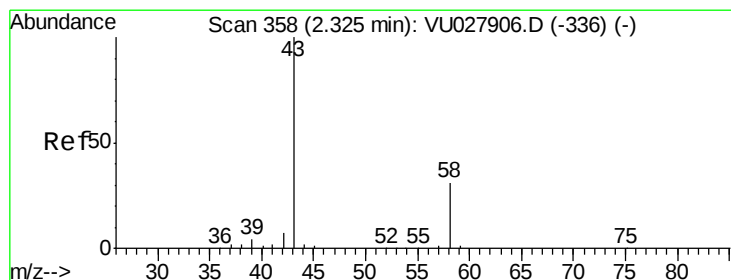
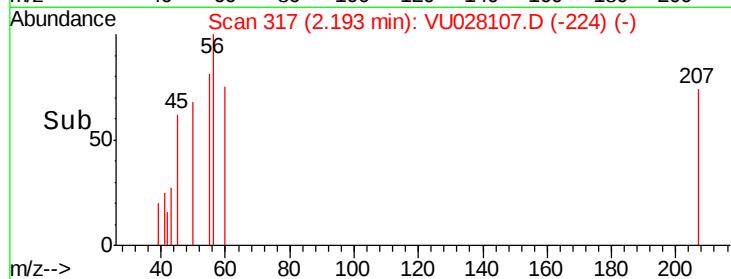
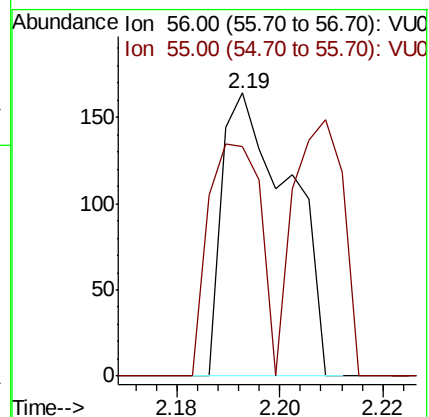
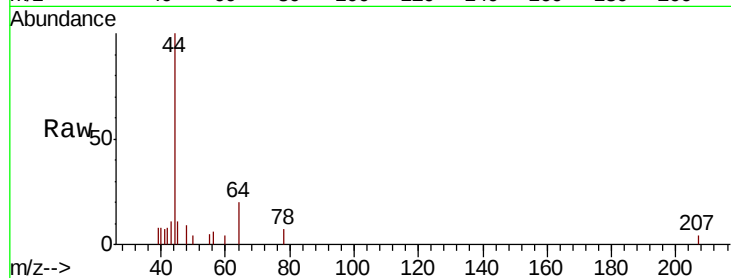
ClientSampleId :

Tot Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 63.5 56.2 84.4



#16

Acetone

Concen: 7.505 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028107.D

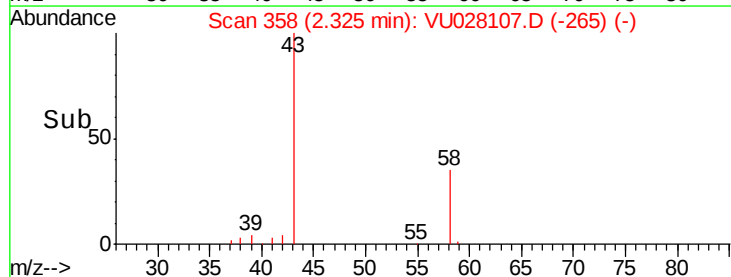
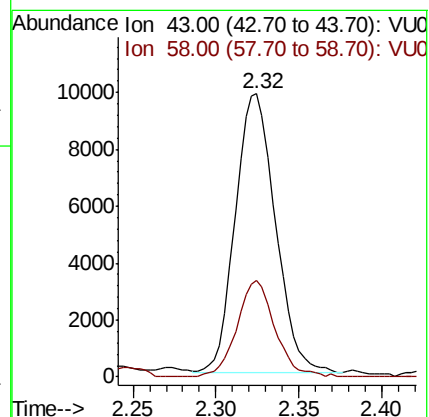
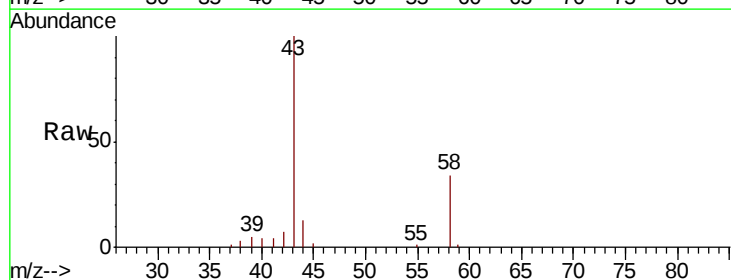
Acq: 13 Nov 2018 21:19

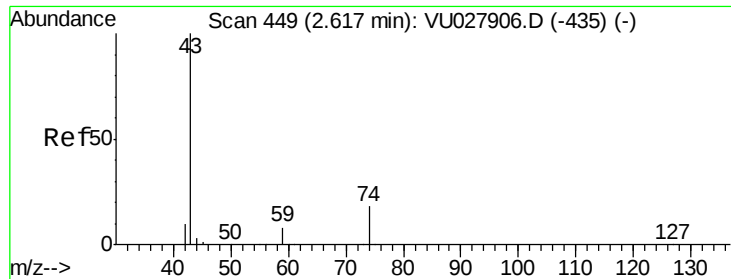
Tgt Ion: 43 Resp: 16479

Ion Ratio Lower Upper

43 100

58 34.9 24.6 37.0

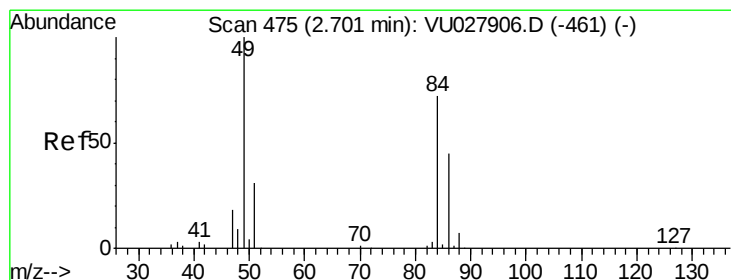
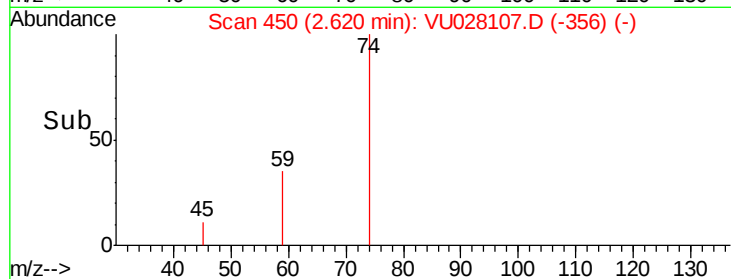
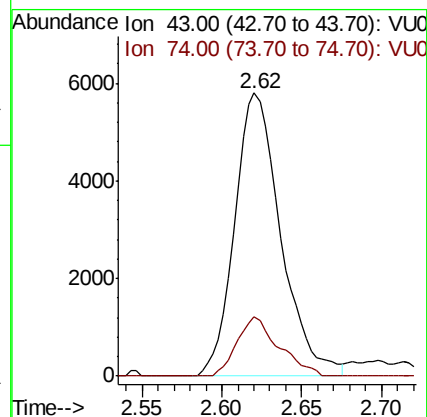
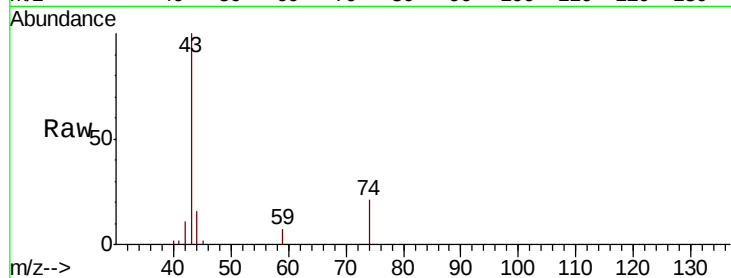




#18
Methyl Acetate
Concen: 1.891 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

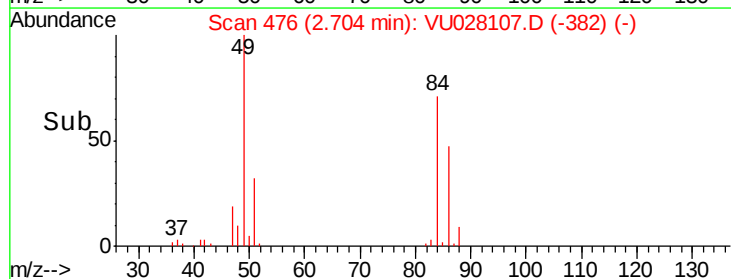
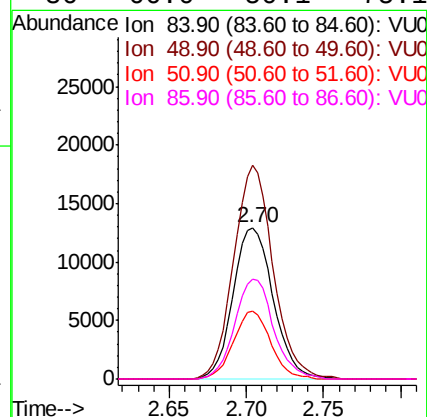
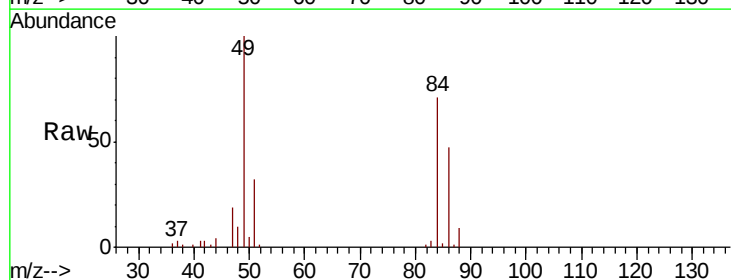
Instrument :
MSVOA_U
ClientSampleId :

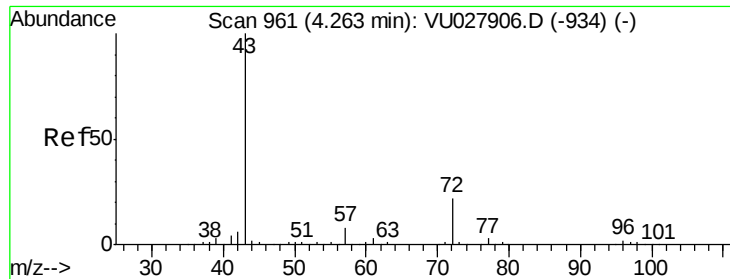
Tot Ion: 43 Resp: 11422
Ion Ratio Lower Upper
43 100
74 18.8 14.9 22.3



#20
Methylene Chloride
Concen: 7.265 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Tgt Ion: 84 Resp: 23292
Ion Ratio Lower Upper
84 100
49 141.3 111.6 167.4
51 45.1 34.8 52.2
86 66.0 50.1 75.1





#25

2-Butanone

Concen: 0.423 ug/l

RT: 4.30 min Scan# 971

Delta R.T. 0.03 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

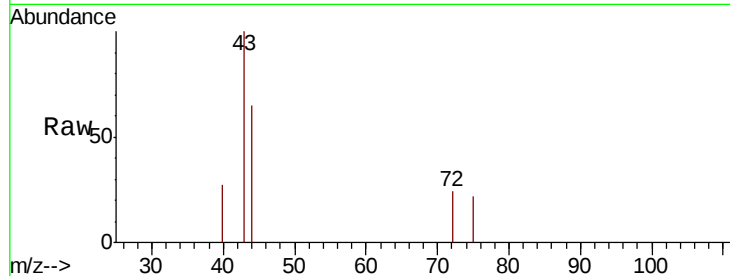
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1476

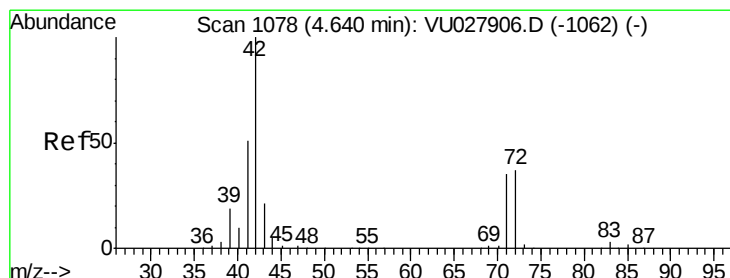
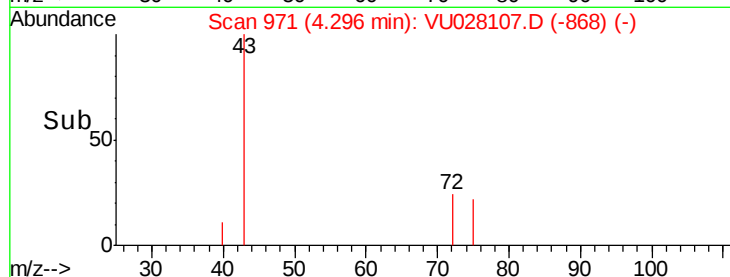
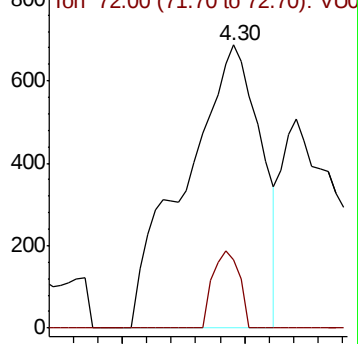
Ion Ratio Lower Upper

43 100

72 24.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)



#29

Tetrahydrofuran

Concen: 0.555 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.03 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

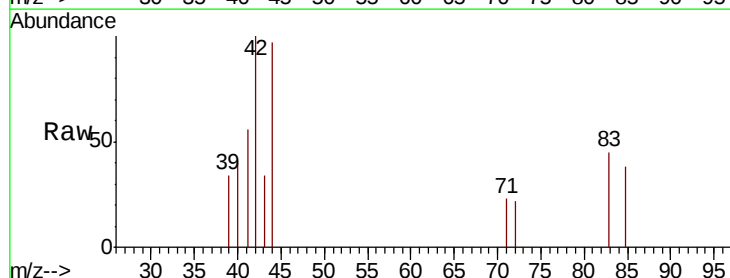
Tgt Ion: 42 Resp: 1295

Ion Ratio Lower Upper

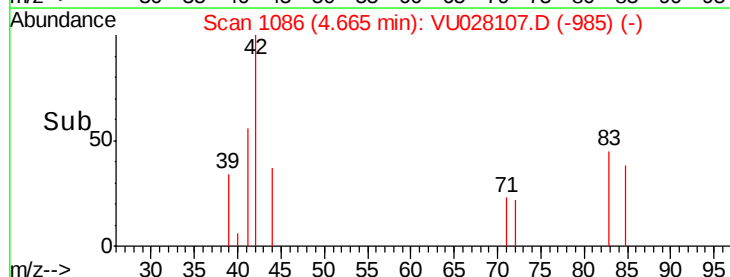
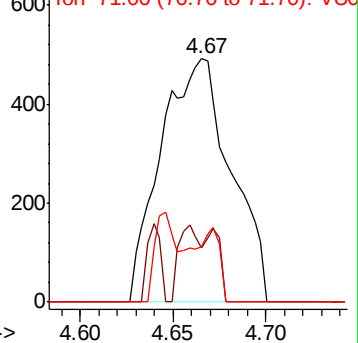
42 100

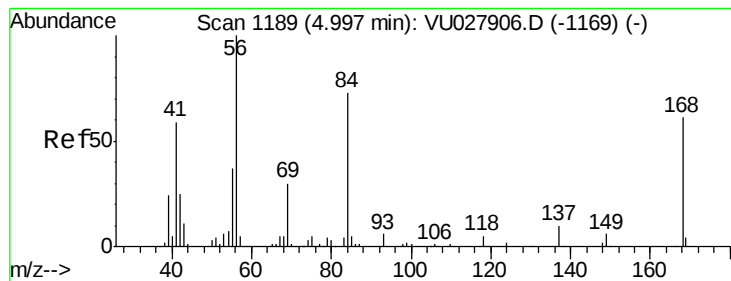
72 9.7 29.4 44.0#

71 7.7 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

Instrument :
MSVOA_U
ClientSampled :

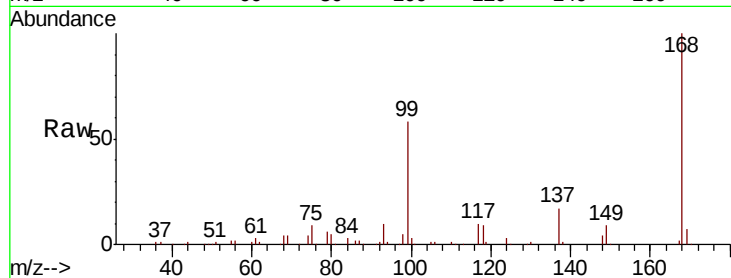
Tot Ion: 56 Resp: 2772

Ion Ratio Lower Upper

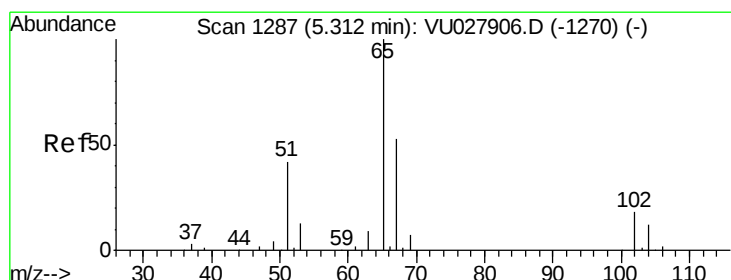
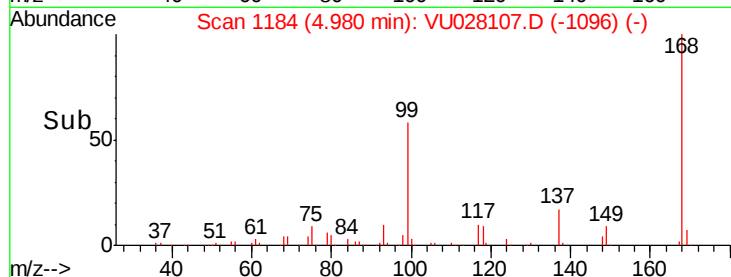
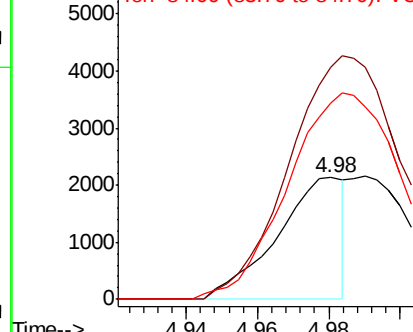
56 100

69 189.8 23.7 35.5#

84 160.5 58.2 87.4#



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: 51.773 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU028107.D

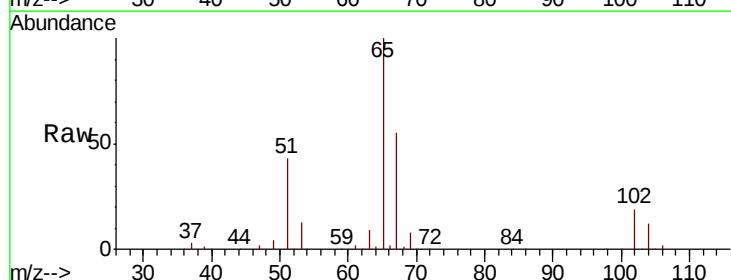
Acq: 13 Nov 2018 21:19

Tgt Ion: 65 Resp: 183227

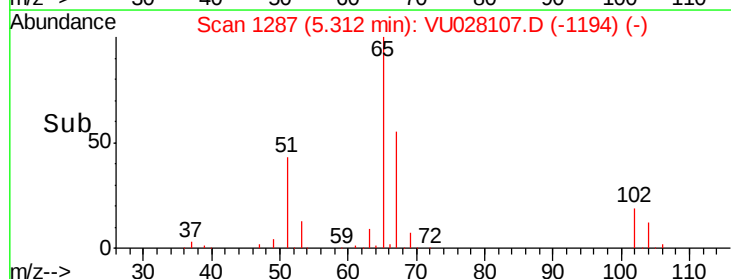
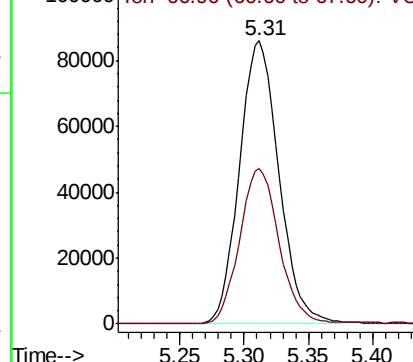
Ion Ratio Lower Upper

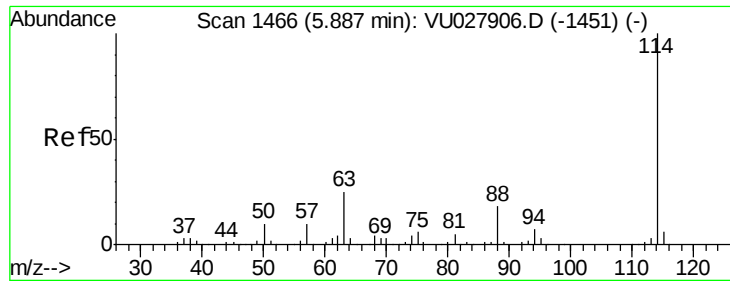
65 100

67 55.1 0.0 109.0



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

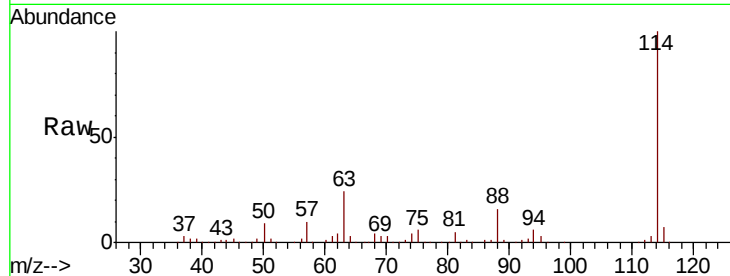




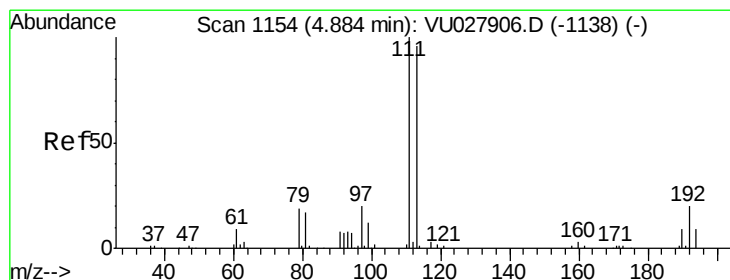
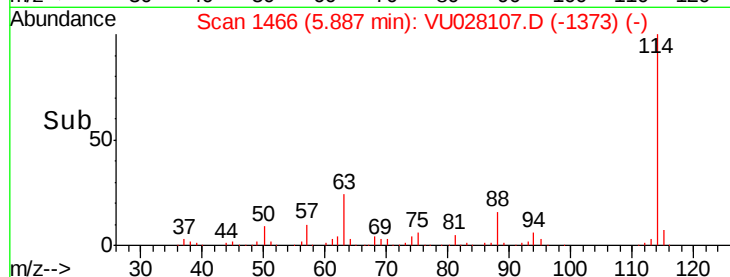
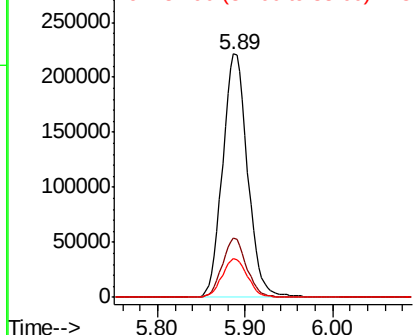
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028107.D
 Acq: 13 Nov 2018 21:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 439502
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 15.8 0.0 35.8

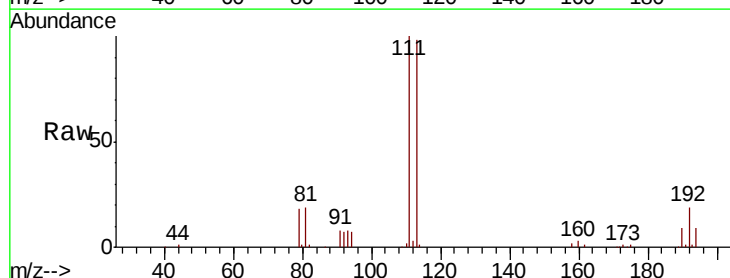


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

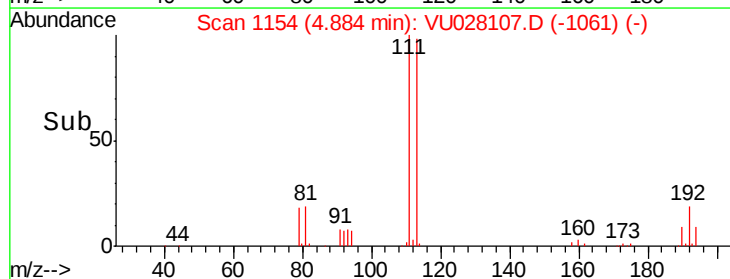
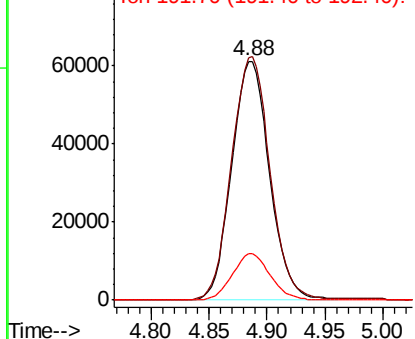


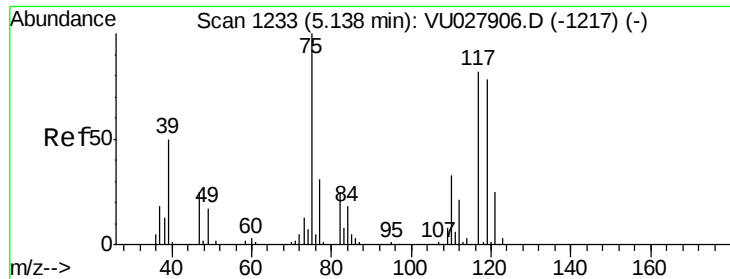
#35
 Dibromofluoromethane
 Concen: 50.112 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028107.D
 Acq: 13 Nov 2018 21:19

Tgt Ion:113 Resp: 138868
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.6
 192 19.5 15.6 23.4



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: 4.388 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

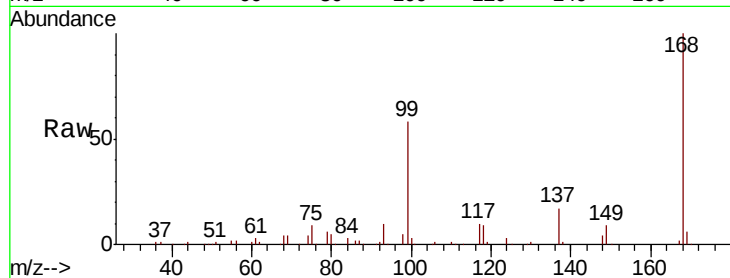
Tot Ion: 75 Resp: 20198

Ion Ratio Lower Upper

75 100

110 7.9 16.5 49.5#

77 0.0 24.9 37.3#



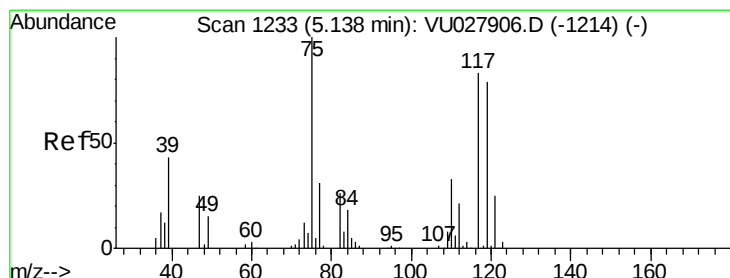
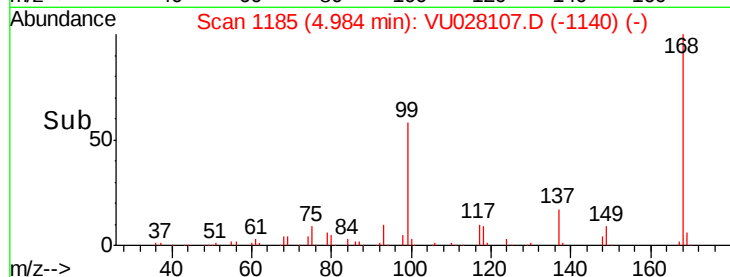
Abundance Ion 74.90 (74.60 to 75.60): VU028107.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU028107.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU028107.D (-1140) (-)

4.98

Time-->



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

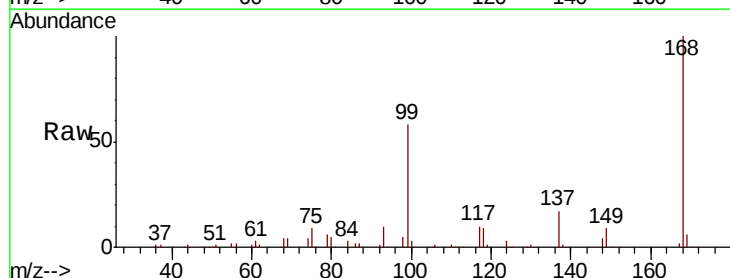
Tgt Ion: 117 Resp: 23409

Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

121 0.0 24.5 36.7#



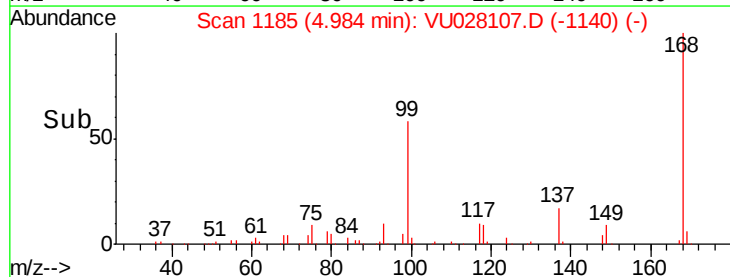
Abundance Ion 116.80 (116.50 to 117.50): VU028107.D (-1140) (-)

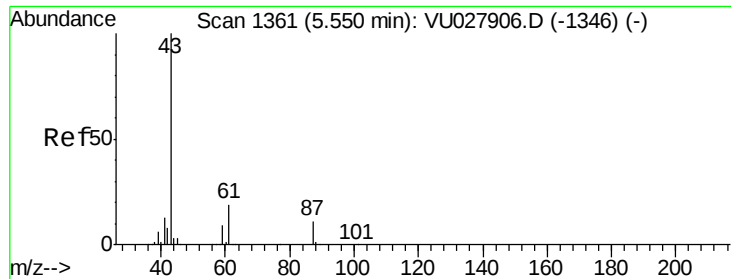
Ion 118.80 (118.50 to 119.50): VU028107.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028107.D (-1140) (-)

4.98

Time-->



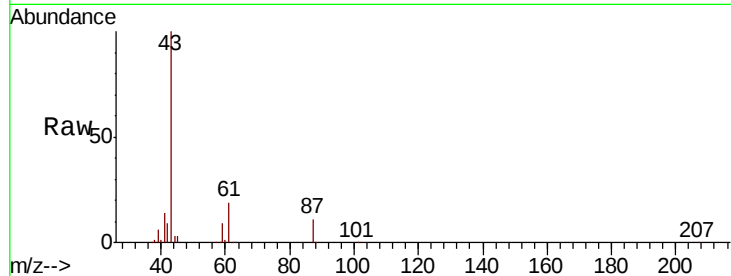


#43

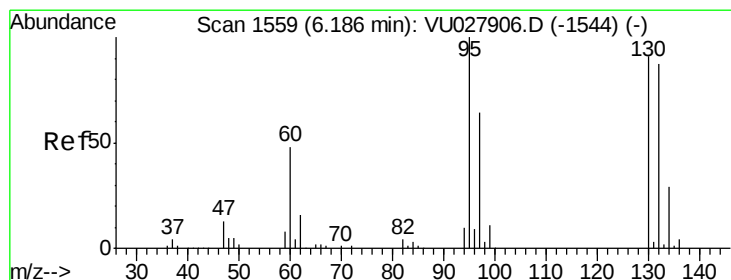
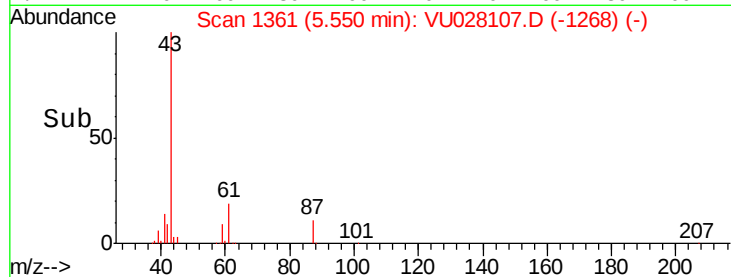
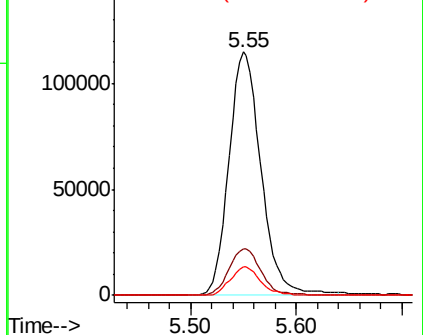
Isopropyl Acetate
 Concen: 22.934 ug/l
 RT: 5.55 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VU028107.D
 Acq: 13 Nov 2018 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	43	Resp	242331
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.0	22.4
87	11.1	8.6	12.8



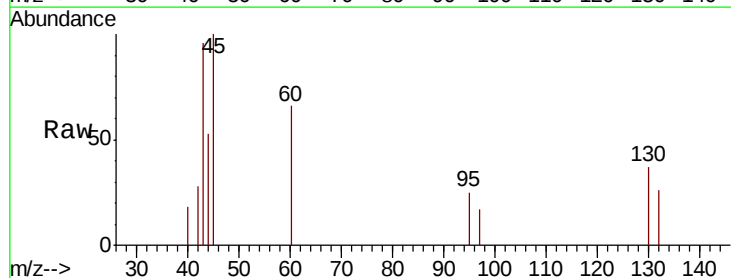
Abundance Ion 43.00 (42.70 to 43.70): VU028107.D (-1268) (-)
 Ion 61.00 (60.70 to 61.70): VU028107.D (-1268) (-)
 Ion 87.00 (86.70 to 87.70): VU028107.D (-1268) (-)



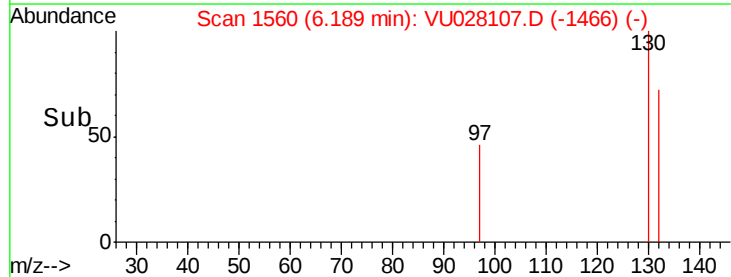
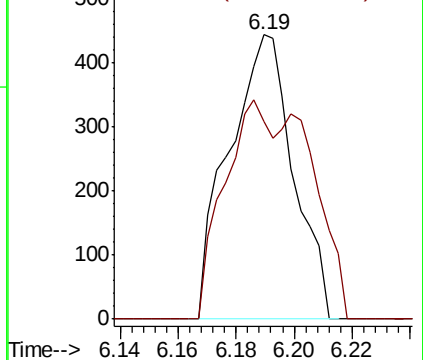
#44

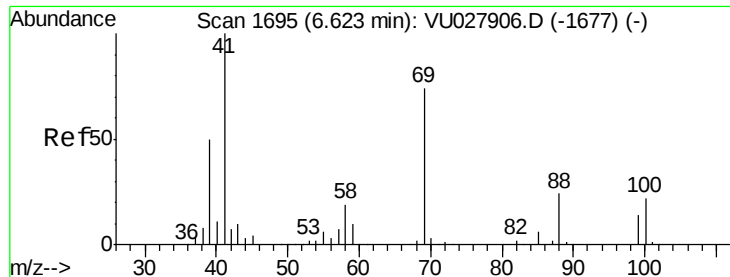
Trichloroethene
 Concen: 0.226 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU028107.D
 Acq: 13 Nov 2018 21:19

Tgt Ion	130	Resp	683
Ion Ratio	Lower	Upper	
130	100		
95	69.3	0.0	219.2



Abundance Ion 129.80 (129.50 to 130.50): VU028107.D (-1466) (-)
 Ion 94.90 (94.60 to 95.60): VU028107.D (-1466) (-)

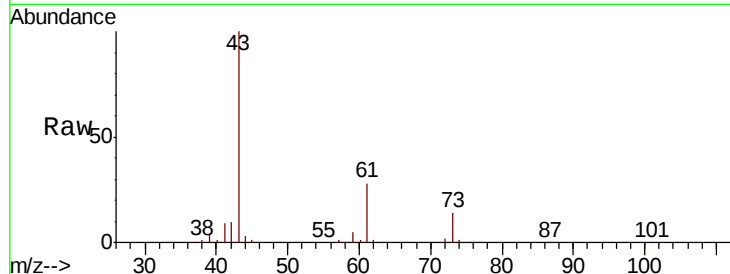




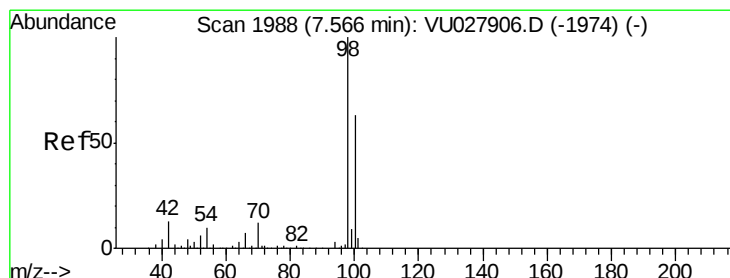
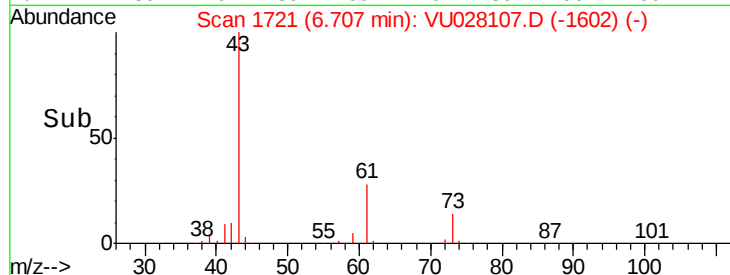
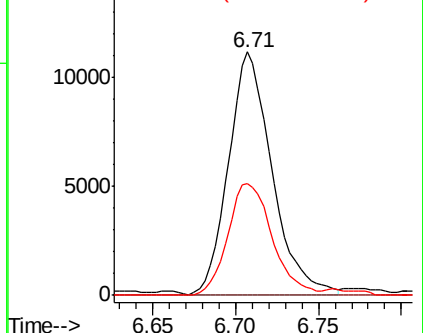
#48
Methvl methacrylate
Concen: 3.951 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 20459
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 46.6 40.0 60.0

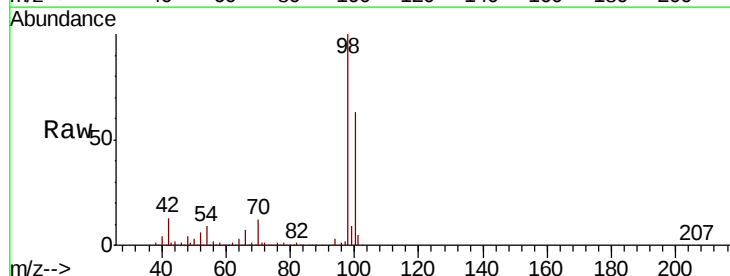


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

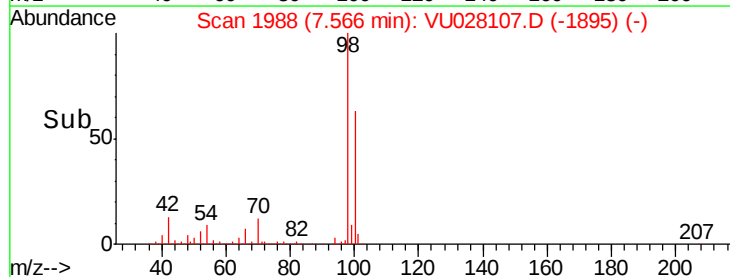
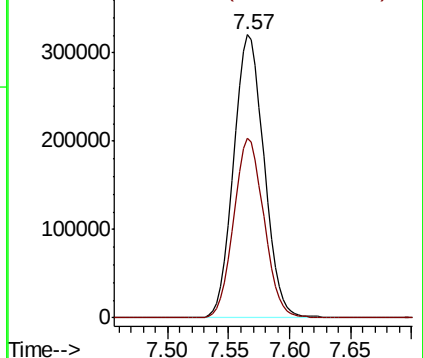


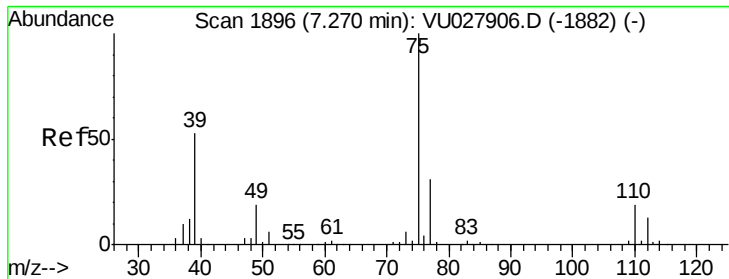
#50
Toluene-d8
Concen: 52.061 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Tgt Ion: 98 Resp: 557293
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



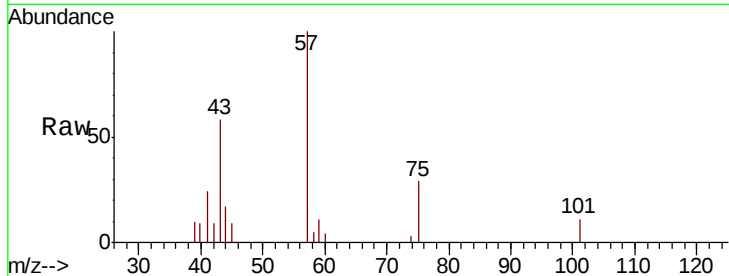


#54

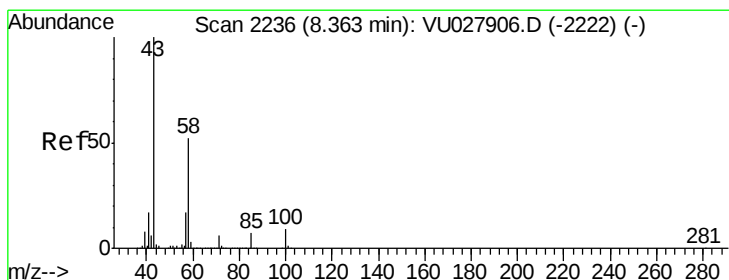
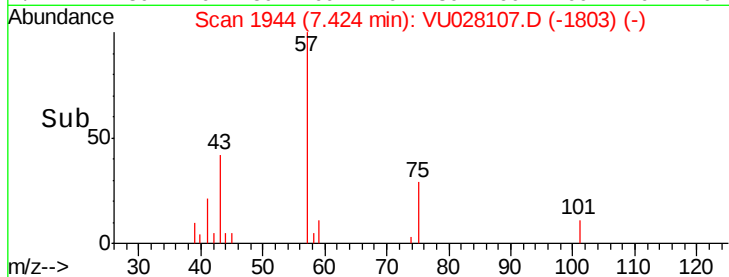
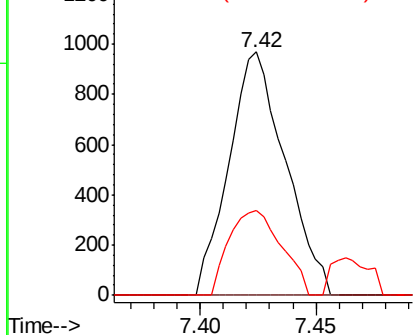
cis-1,3-Dichloropropene
 Concen: 0.295 ug/l
 RT: 7.42 min Scan# 1944
 Delta R.T. 0.15 min
 Lab File: VU028107.D
 Acq: 13 Nov 2018 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 1633
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 34.7 42.6 64.0#



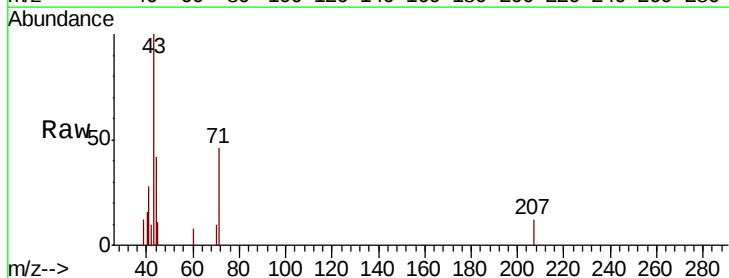
Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0



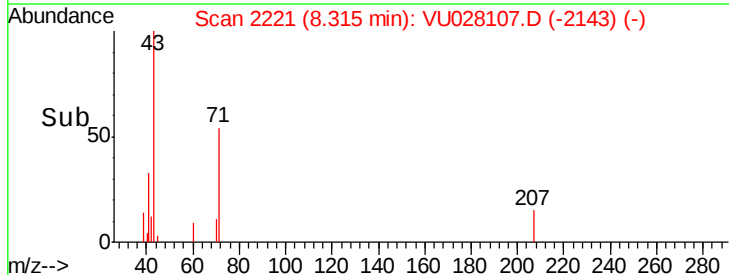
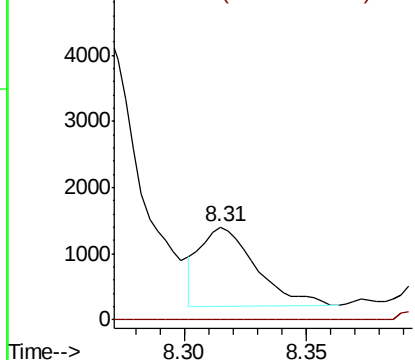
#59

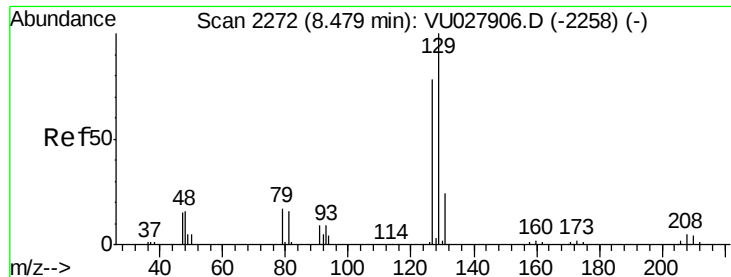
2-Hexanone
 Concen: 0.346 ug/l
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU028107.D
 Acq: 13 Nov 2018 21:19

Tgt Ion: 43 Resp: 1886
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 0.282 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

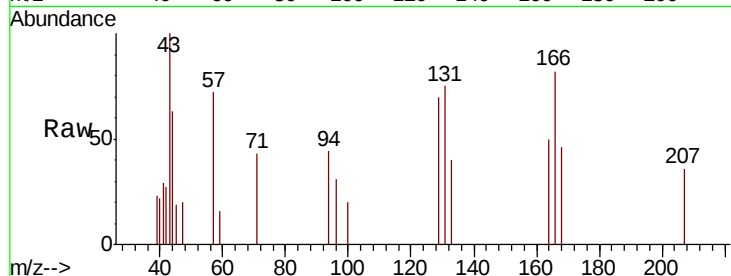
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 899

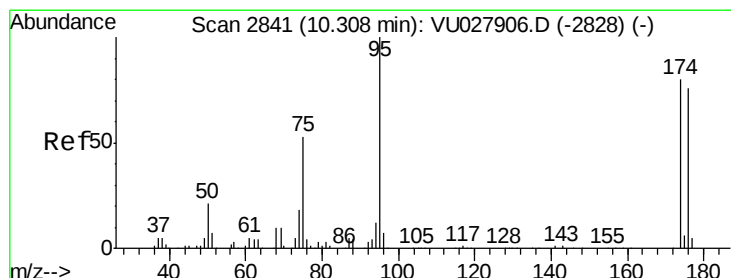
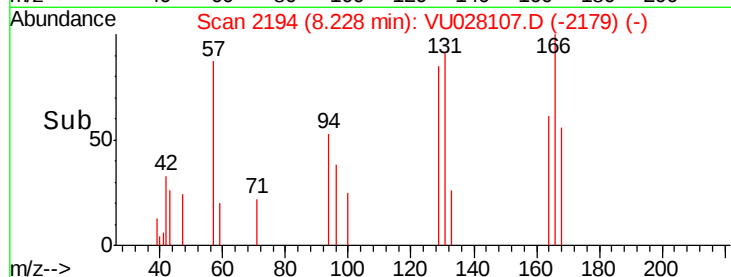
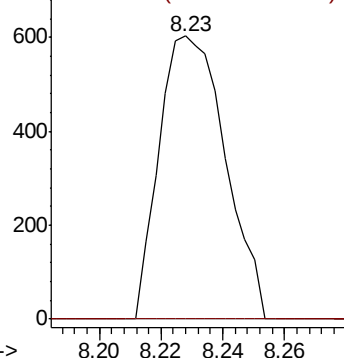
Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.782 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028107.D

Acq: 13 Nov 2018 21:19

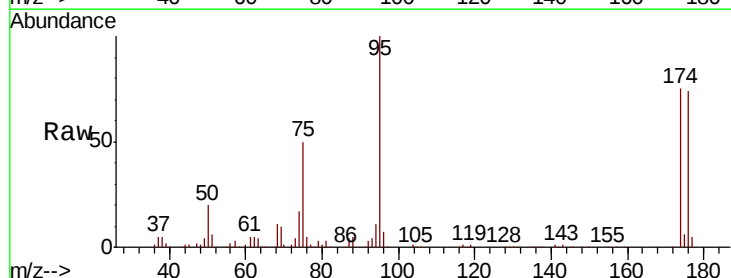
Tgt Ion: 95 Resp: 184712

Ion Ratio Lower Upper

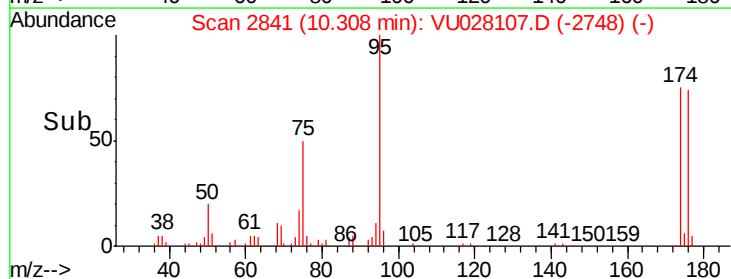
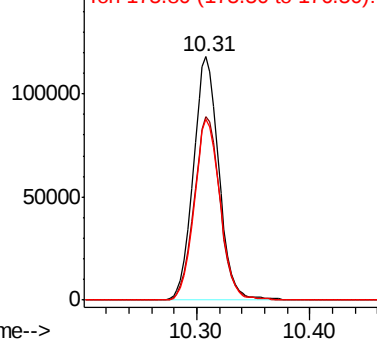
95 100

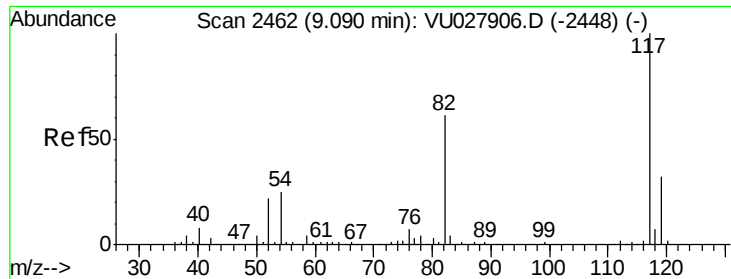
174 76.9 0.0 156.4

176 75.1 0.0 150.8



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

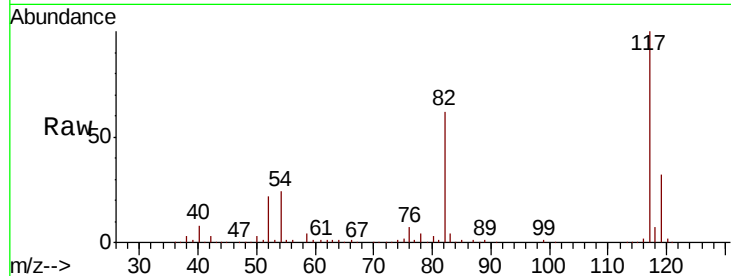




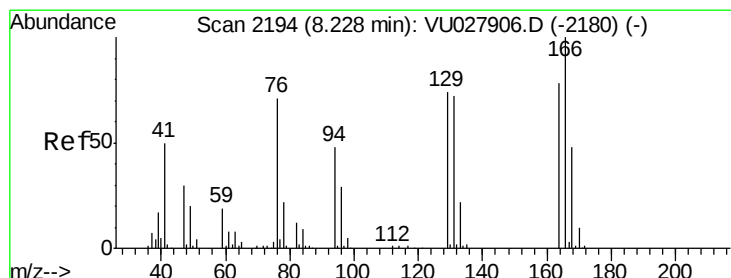
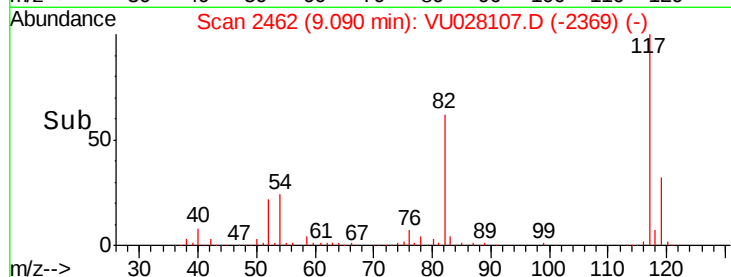
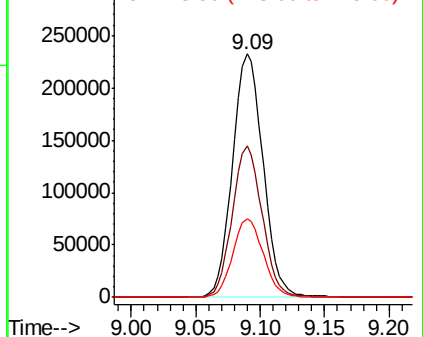
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 384305
Ion Ratio Lower Upper
117 100
82 62.0 48.6 73.0
119 32.1 25.8 38.8

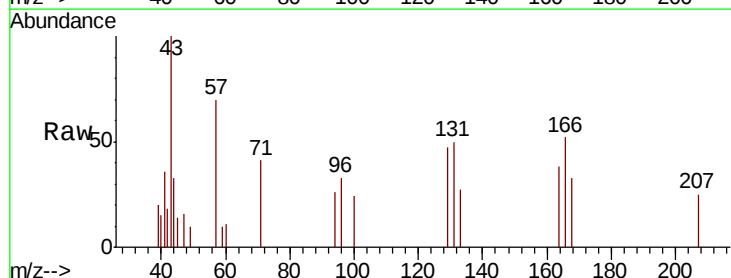


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

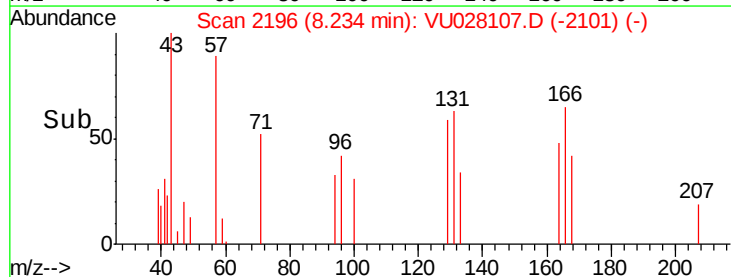
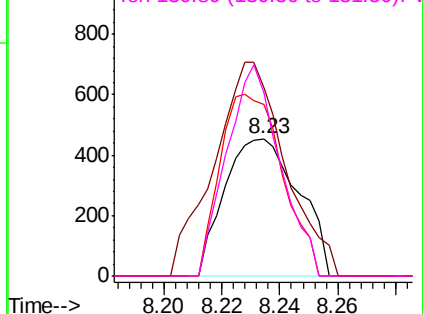


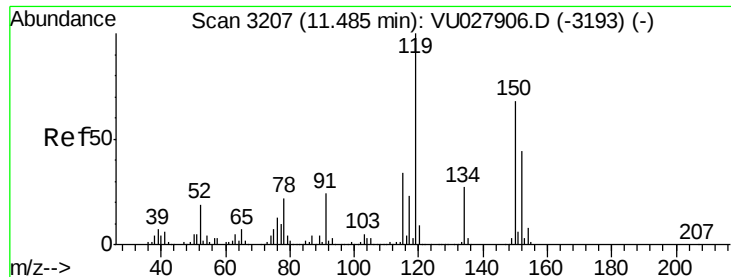
#64
Tetrachloroethene
Concen: 0.322 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Tgt Ion:164 Resp: 802
Ion Ratio Lower Upper
164 100
166 137.1 102.1 153.1
129 124.6 75.9 113.9#
131 132.7 73.0 109.6#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VU028107.D

Acq: 13 Nov 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

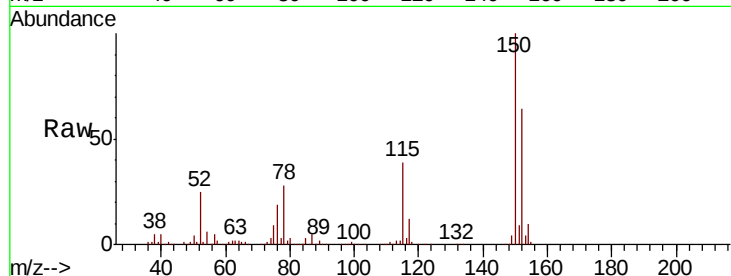
Tot Ion:152 Resp: 157511

Ion Ratio Lower Upper

152 100

115 60.0 43.0 129.0

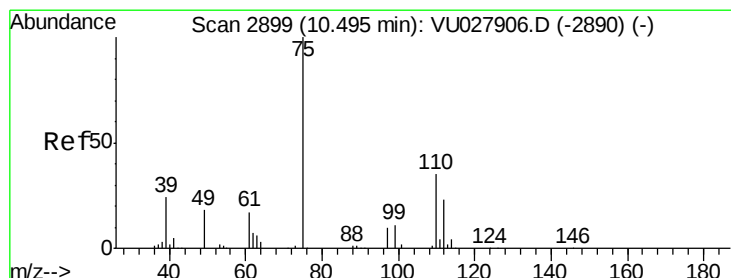
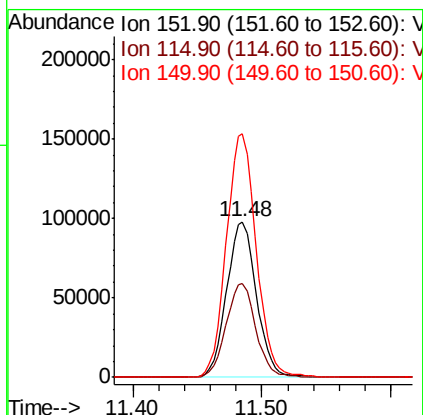
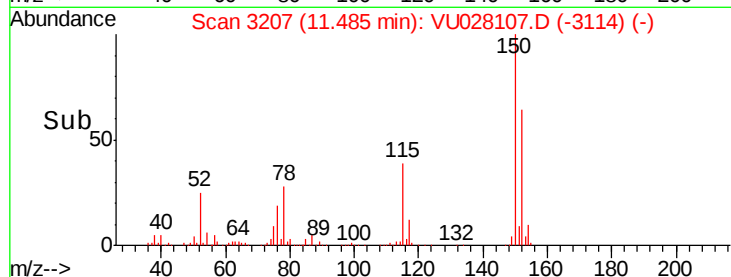
150 156.3 0.0 349.4



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: 21.930 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028107.D

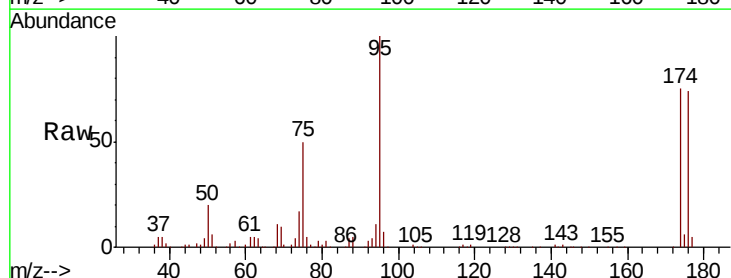
Acq: 13 Nov 2018 21:19

Tgt Ion: 75 Resp: 94483

Ion Ratio Lower Upper

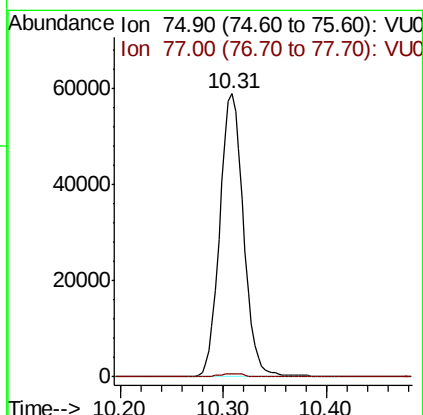
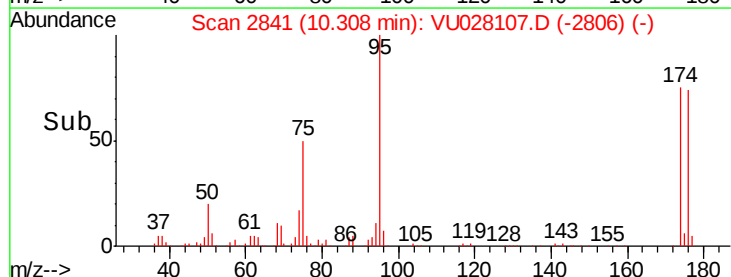
75 100

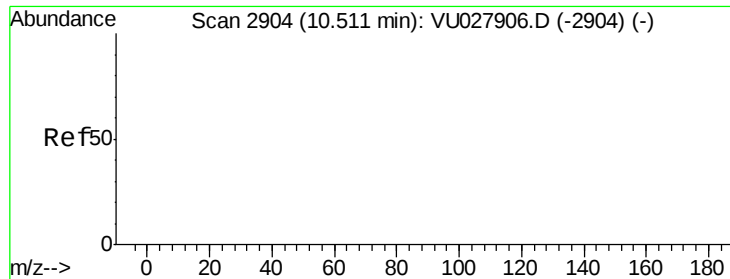
77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

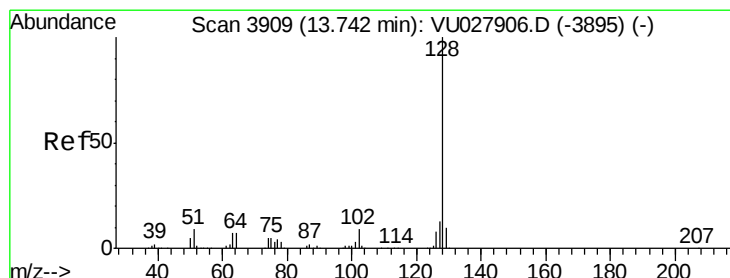
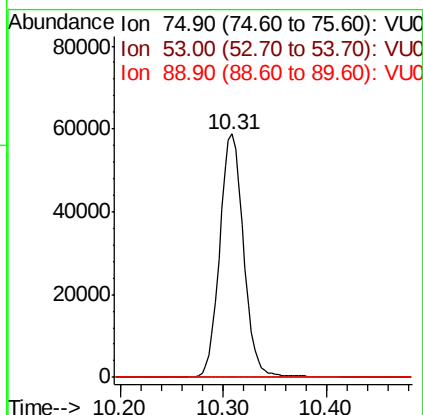
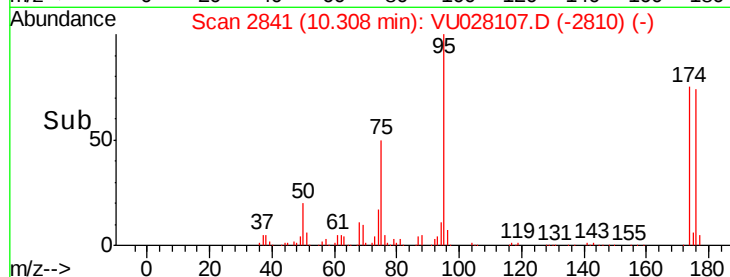
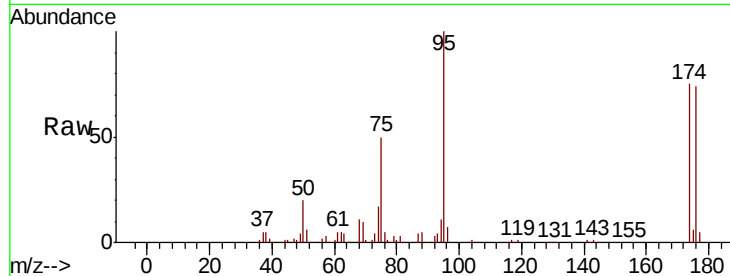




#81
trans-1,4-Dichloro-2-butene
Concen: 54.730 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 94483
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.337 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU028107.D
Acq: 13 Nov 2018 21:19

Tgt Ion:128 Resp: 19559
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 7.6 8.3 12.5#

