

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028093.D
 Acq On : 13 Nov 2018 15:42
 Operator : MD/SY
 Sample : J5885-07DL2 2000X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:59:09 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

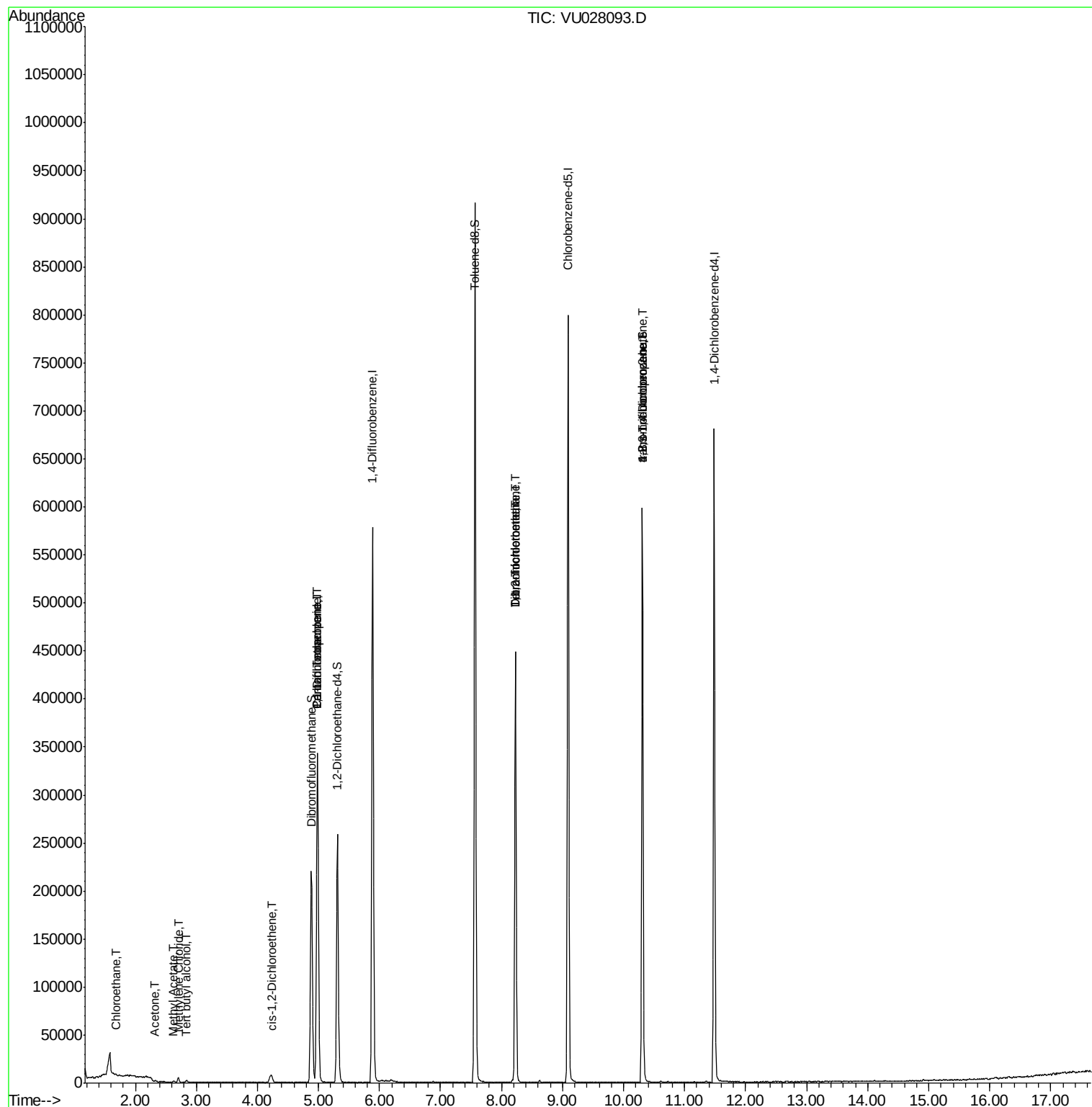
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	260867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	470943	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	424458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	172563	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	199938	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.10%	
35) Dibromofluoromethane	4.88	113	151716	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
50) Toluene-d8	7.57	98	606605	52.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	10.31	95	199342	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.68	64	596	0.260	ug/l #	85
11) Tert butyl alcohol	2.84	59	887	0.864	ug/l #	73
13) Acrolein	2.23	56	41	Below Cal	#	1
16) Acetone	2.32	43	1177	0.489	ug/l	92
18) Methyl Acetate	2.62	43	1898	0.287	ug/l	93
20) Methylene Chloride	2.71	84	2313	0.658	ug/l	92
27) cis-1,2-Dichloroethene	4.24	96	3562	1.007	ug/l	89
31) Cyclohexane	4.98	56	6106	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	21034	4.265	ug/l #	48
38) Carbon Tetrachloride	4.99	117	24944	5.707	ug/l #	17
55) 1,1,2-Trichloroethane	8.22	97	984	0.273	ug/l #	29
60) Dibromochloromethane	8.23	129	94034	27.551	ug/l #	10
64) Tetrachloroethene	8.23	164	99226	36.052	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	99530	21.086	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	99530	52.635	ug/l #	100
95) Naphthalene	13.77	128	69	Below Cal	#	69

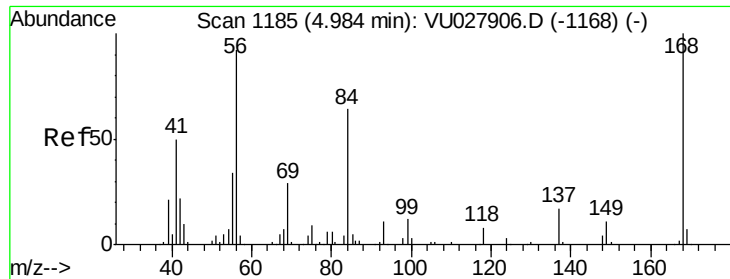
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

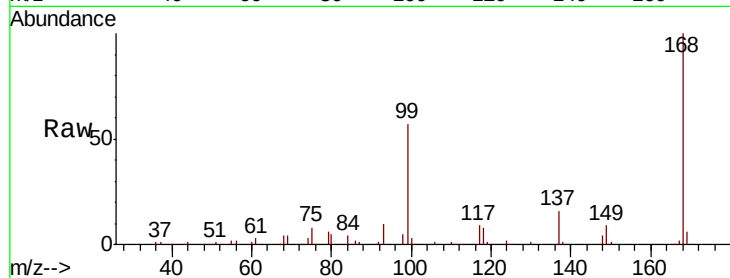
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 260867

Ion Ratio Lower Upper

168 100

99 57.0 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

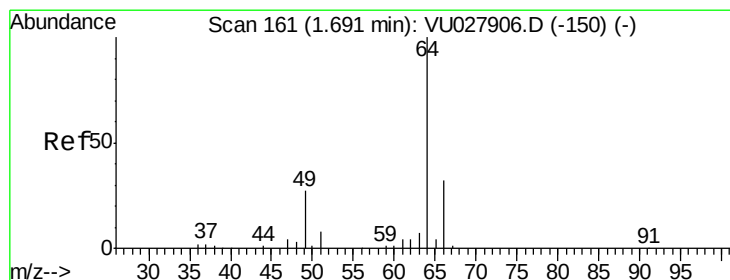
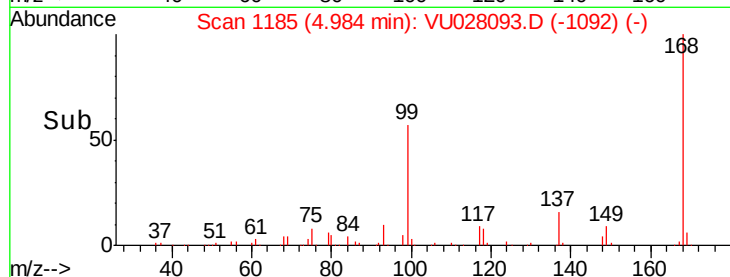
4.98

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.260 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028093.D

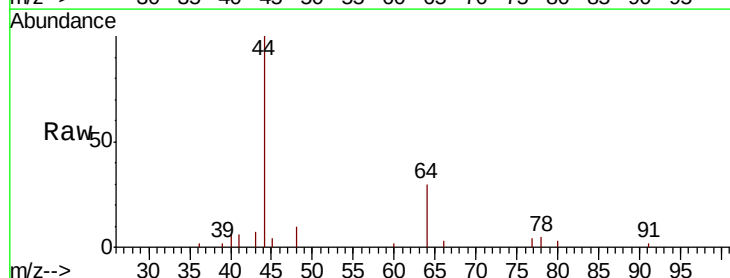
Acq: 13 Nov 2018 15:42

Tgt Ion: 64 Resp: 596

Ion Ratio Lower Upper

64 100

66 24.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027906.D (-150) (-)

1.68

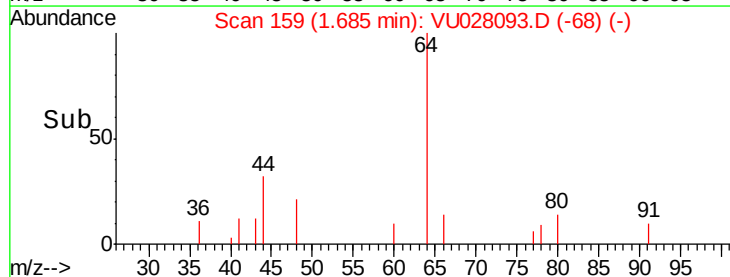
1500

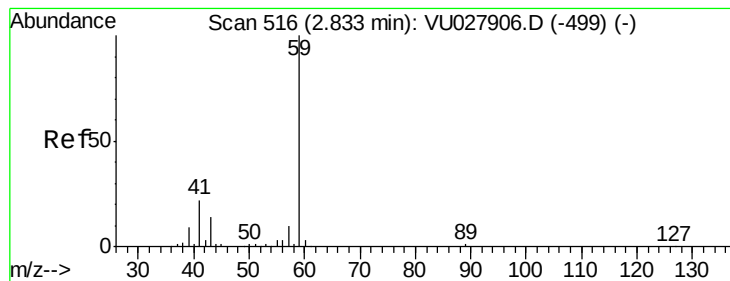
1000

500

0

Time-->



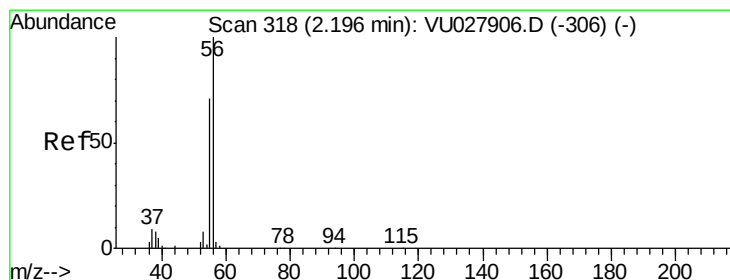
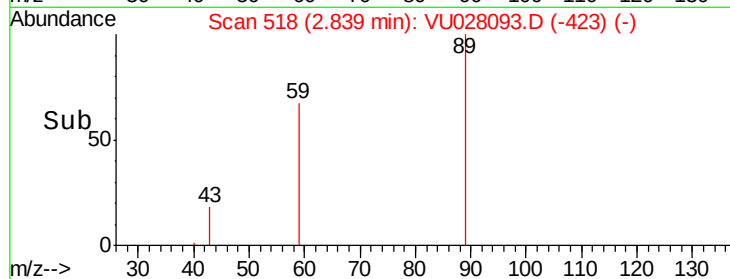
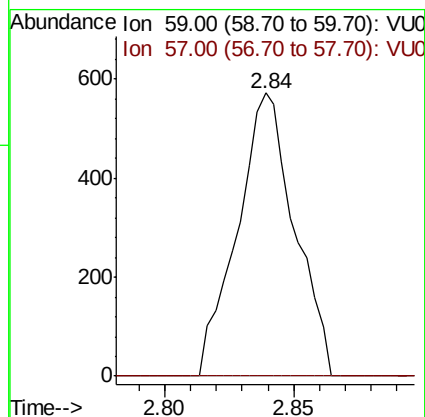
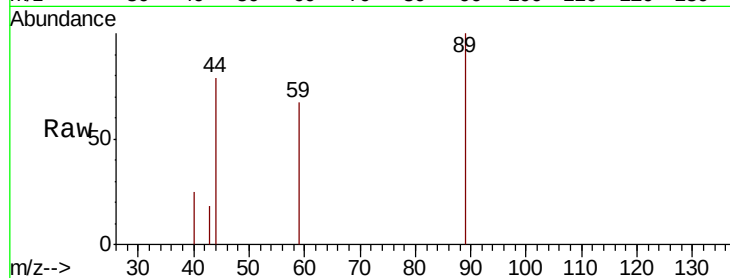


#11

Tert butyl alcohol
 Concen: 0.864 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU028093.D
 Acq: 13 Nov 2018 15:42

Instrument :
 MSVOA_U
 ClientSampled :

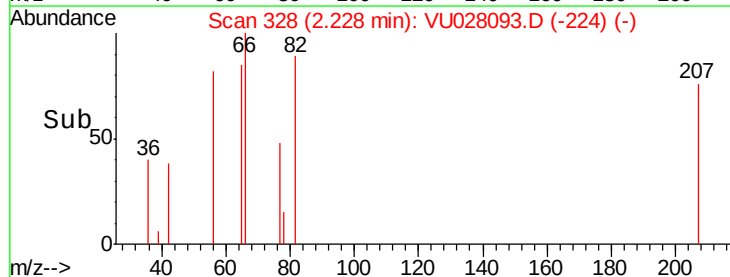
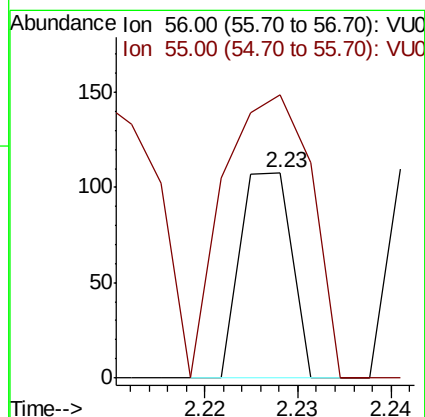
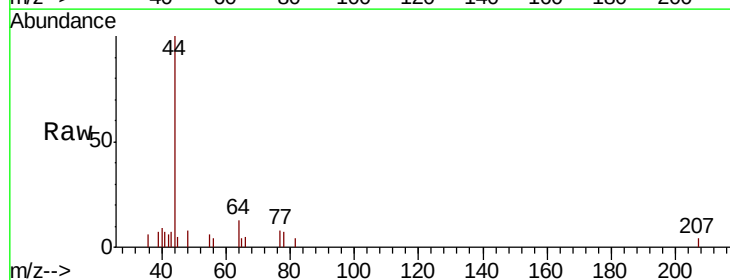
Tot Ion: 59 Resp: 887
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

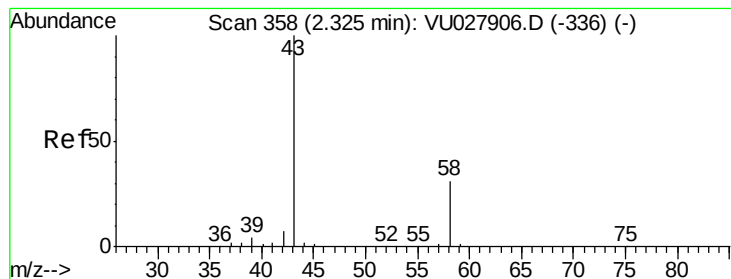


#13

Acrolein
 Concen: Below Cal
 RT: 2.23 min Scan# 328
 Delta R.T. 0.03 min
 Lab File: VU028093.D
 Acq: 13 Nov 2018 15:42

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 55 239.0 56.2 84.4#





#16

Acetone

Concen: 0.489 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

Instrument :

MSVOA_U

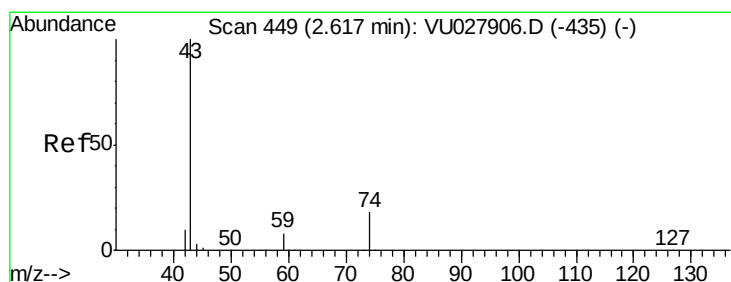
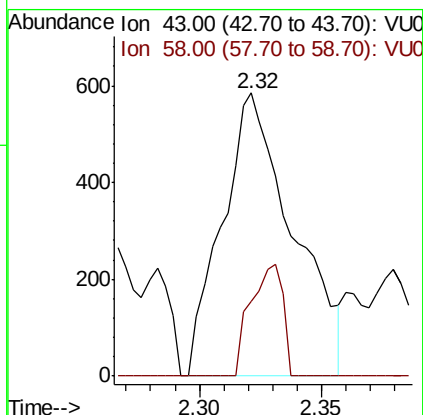
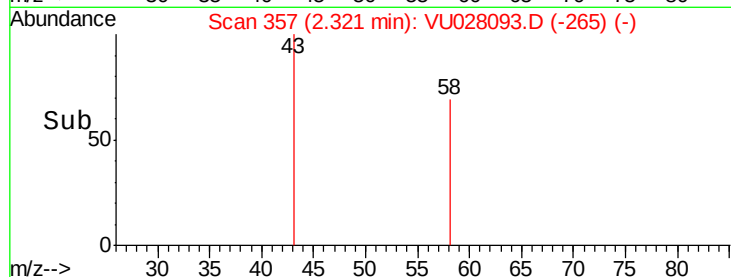
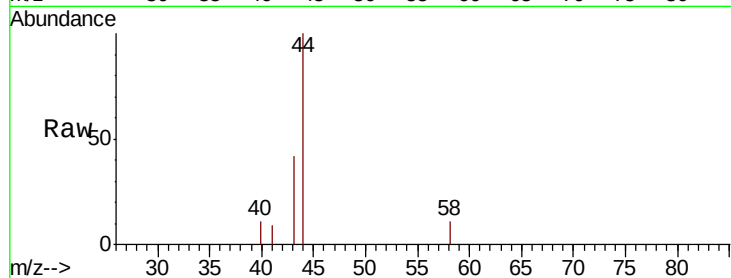
ClientSampleId :

Tot Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

58 26.2 24.6 37.0



#18

Methyl Acetate

Concen: 0.287 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028093.D

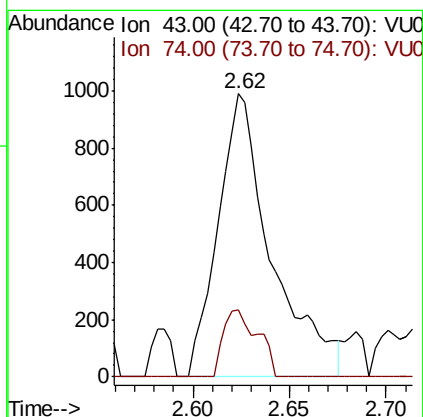
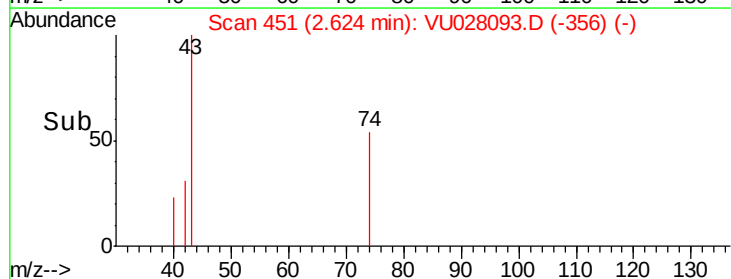
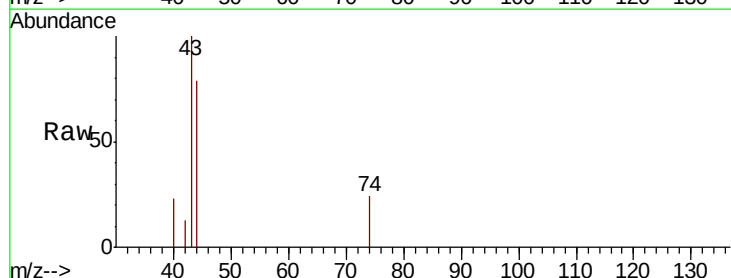
Acq: 13 Nov 2018 15:42

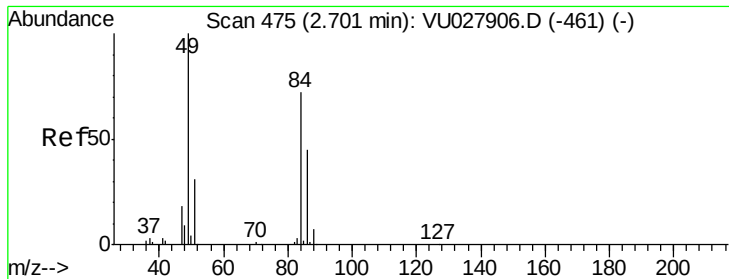
Tgt Ion: 43 Resp: 1898

Ion Ratio Lower Upper

43 100

74 15.3 14.9 22.3





#20

Methylene Chloride

Concen: 0.658 ug/l

RT: 2.71 min Scan# 477

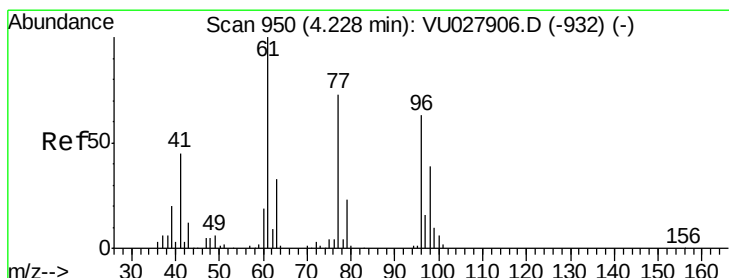
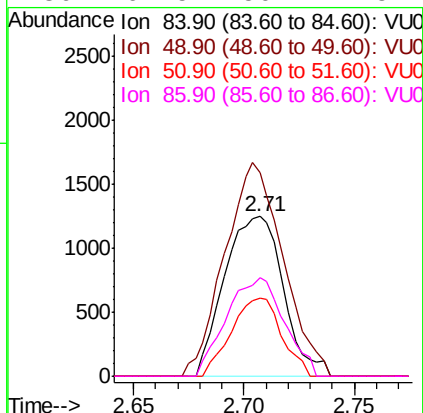
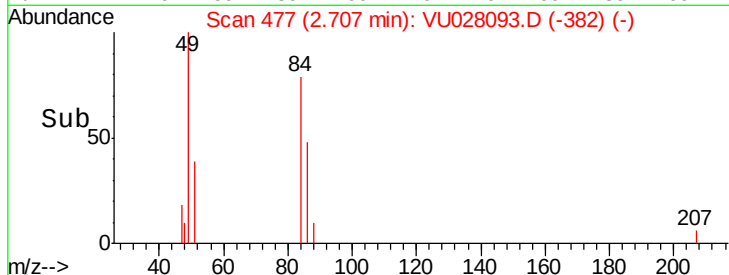
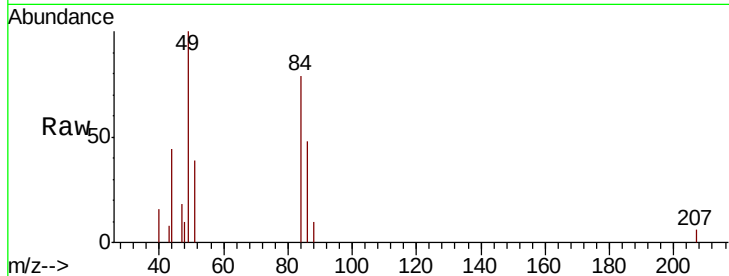
Delta R.T. 0.01 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	84	Resp:	2313
Ion	Ratio	Lower	Upper
84	100		
49	127.1	111.6	167.4
51	49.1	34.8	52.2
86	61.5	50.1	75.1



#27

cis-1,2-Dichloroethene

Concen: 1.007 ug/l

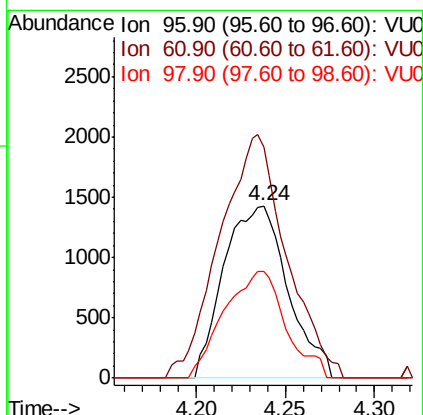
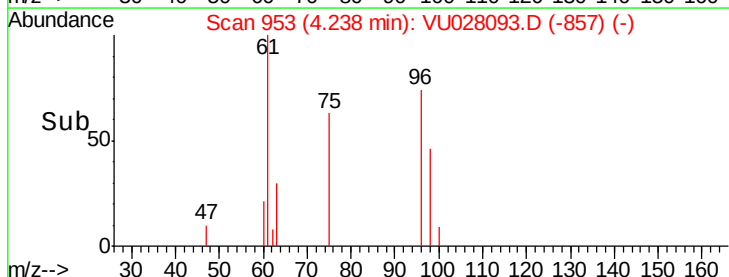
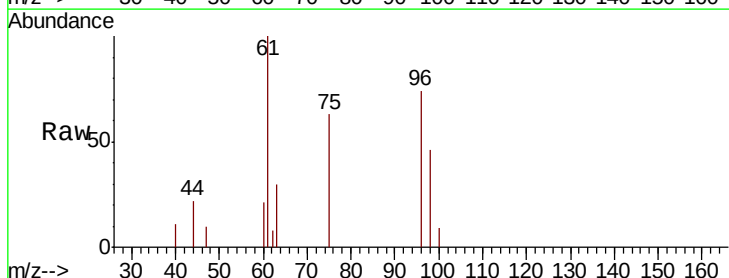
RT: 4.24 min Scan# 953

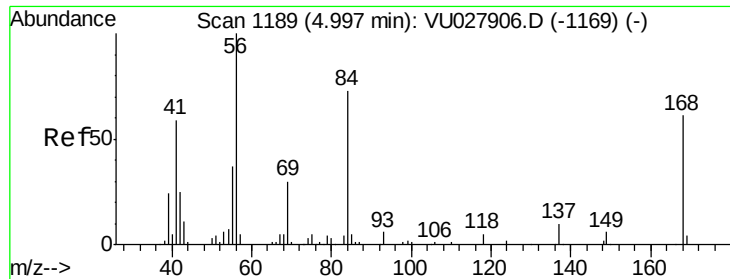
Delta R.T. 0.01 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

Tgt Ion:	96	Resp:	3562
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	329.6
98	59.6	0.0	127.2

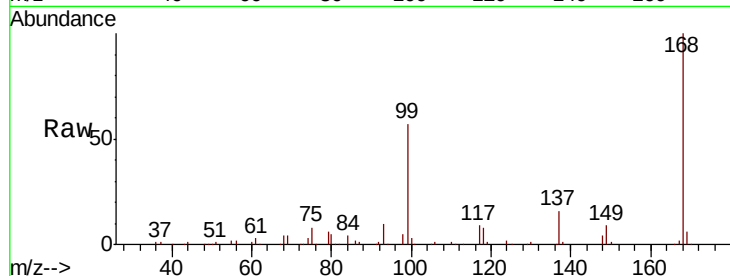




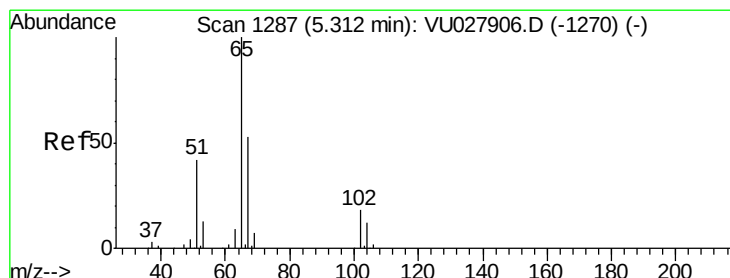
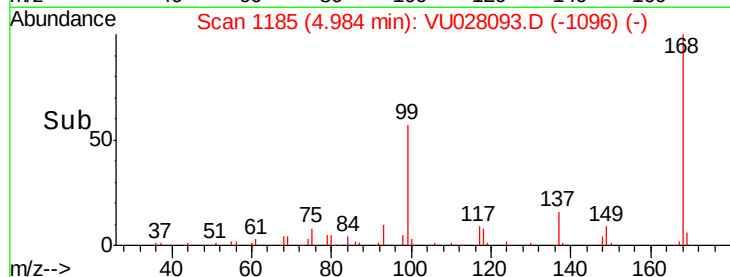
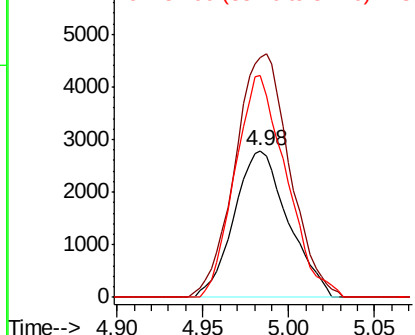
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028093.D
Acq: 13 Nov 2018 15:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 6106
Ion Ratio Lower Upper
56 100
69 163.7 23.7 35.5#
84 151.2 58.2 87.4#

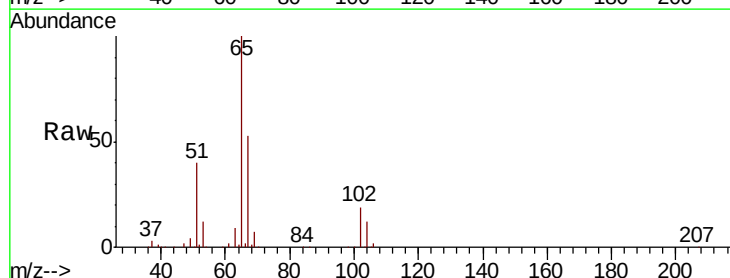


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

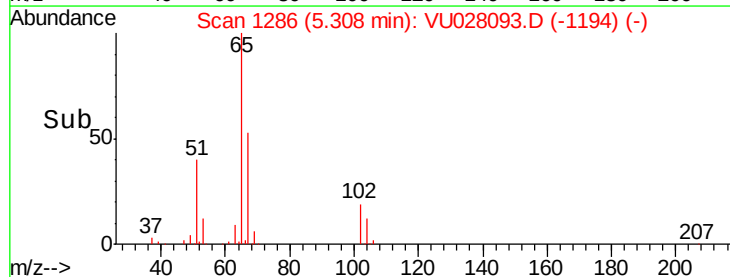
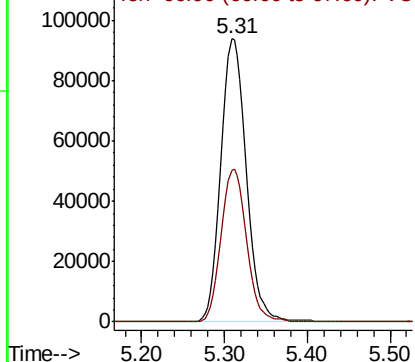


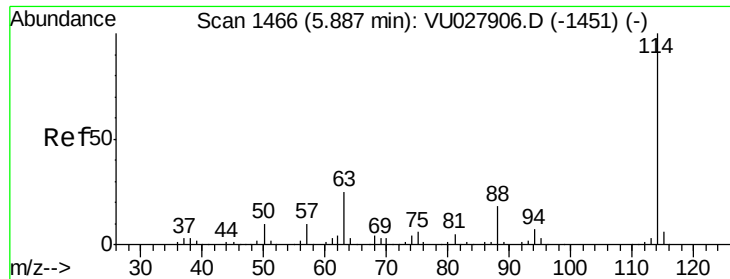
#33
1,2-Dichloroethane-d4
Concen: 51.551 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028093.D
Acq: 13 Nov 2018 15:42

Tgt Ion: 65 Resp: 199938
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0



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

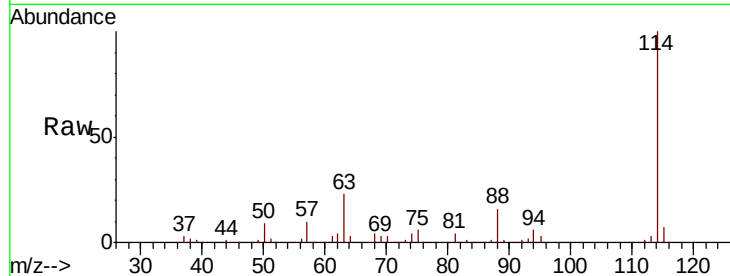




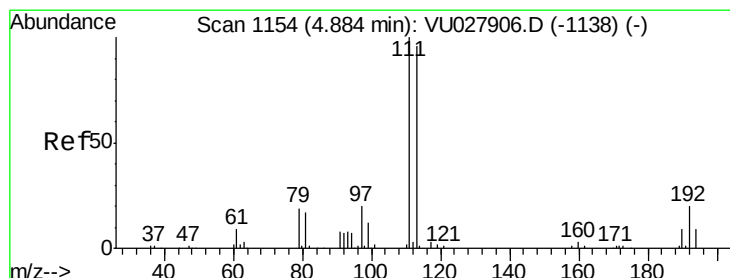
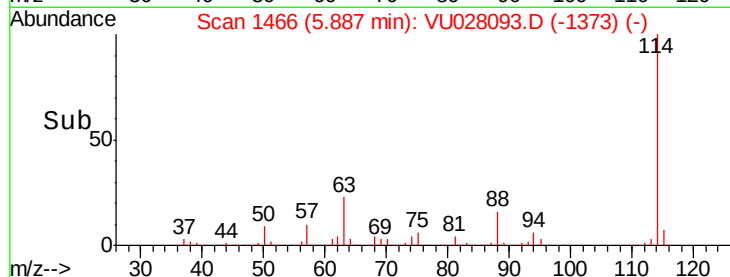
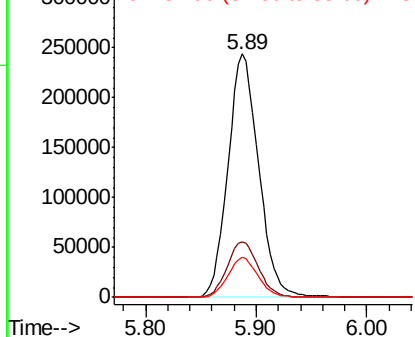
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028093.D
 Acq: 13 Nov 2018 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:114 Resp: 470943
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 50.8
 88 16.3 0.0 35.8

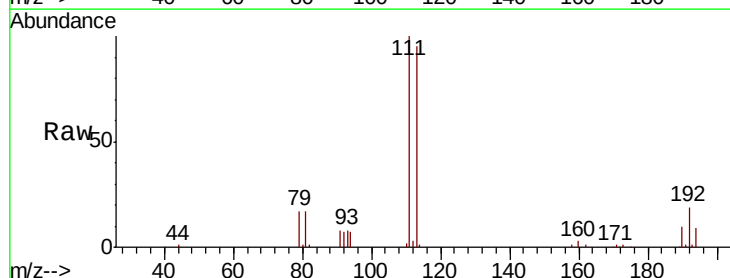


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

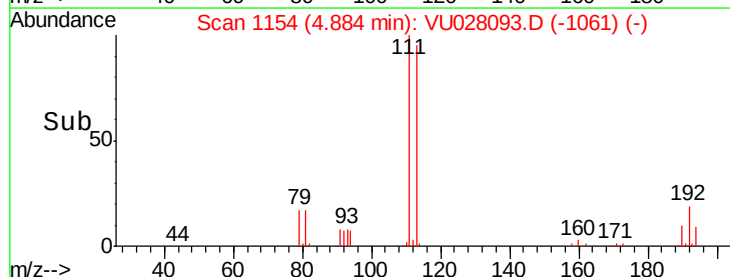
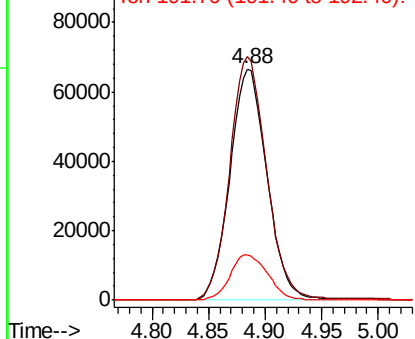


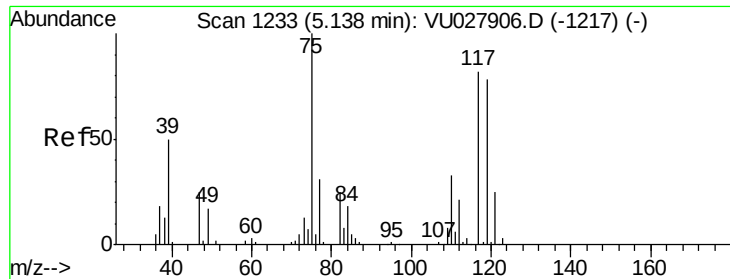
#35
 Dibromofluoromethane
 Concen: 51.094 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028093.D
 Acq: 13 Nov 2018 15:42

Tgt Ion:113 Resp: 151716
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.0 124.6
 192 20.0 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: 4.265 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

Instrument :

MSVOA_U

ClientSampled :

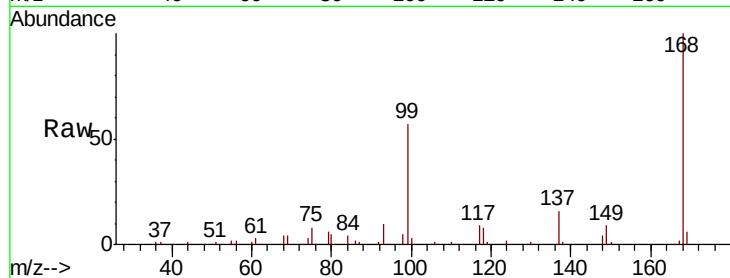
Tot Ion: 75 Resp: 21034

Ion Ratio Lower Upper

75 100

110 6.4 16.5 49.5#

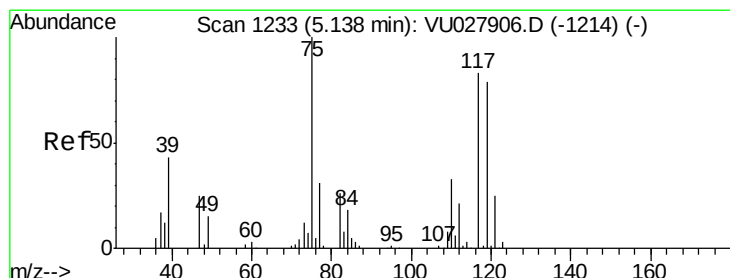
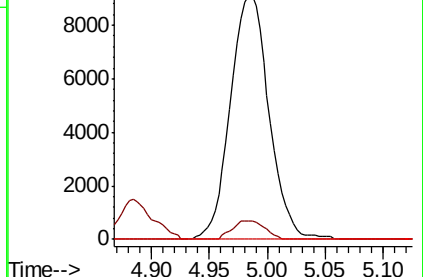
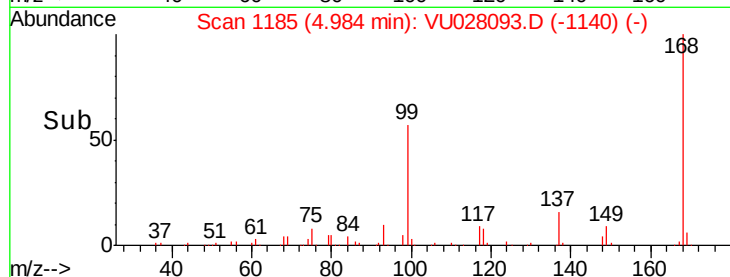
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU028093.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU028093.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU028093.D (-1140) (-)



#38

Carbon Tetrachloride

Concen: 5.707 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

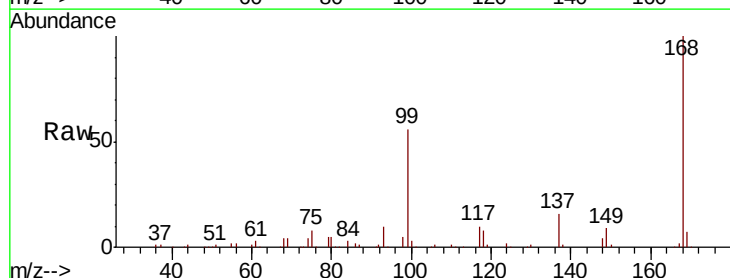
Tgt Ion: 117 Resp: 24944

Ion Ratio Lower Upper

117 100

119 5.5 76.0 114.0#

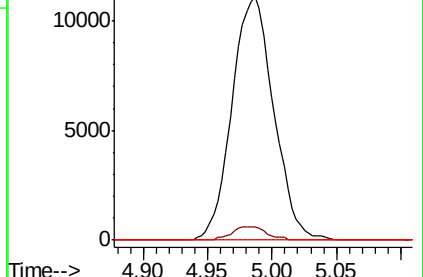
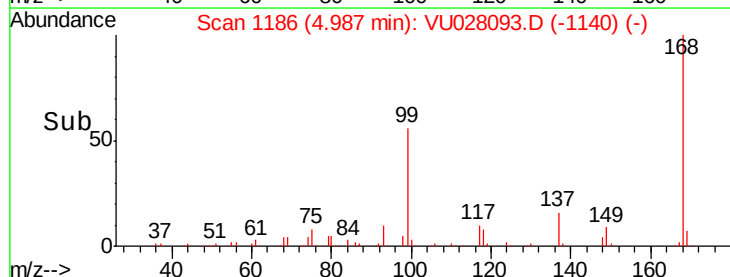
121 0.0 24.5 36.7#

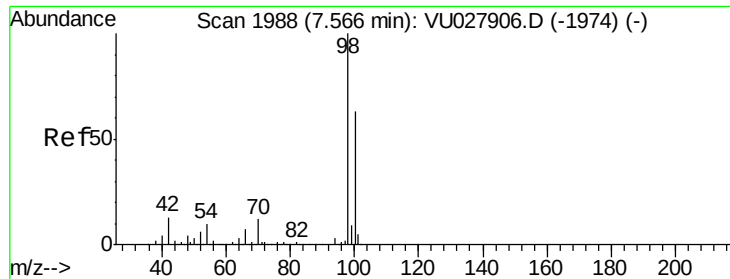


Abundance Ion 116.80 (116.50 to 117.50): VU028093.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028093.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028093.D (-1140) (-)





#50

Toluene-d8

Concen: 52.884 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

Instrument :

MSVOA_U

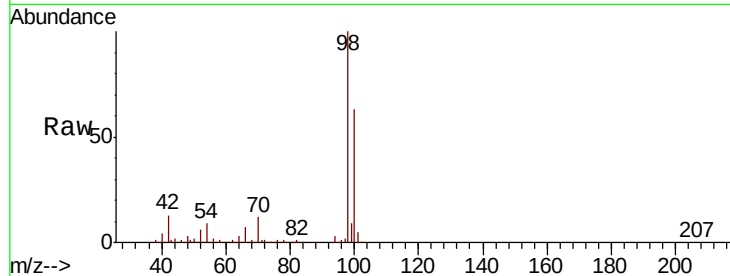
ClientSampleId :

Tot Ion: 98 Resp: 606605

Ion Ratio Lower Upper

98 100

100 62.2 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU028093.D (-1895) (-)

7.57

400000

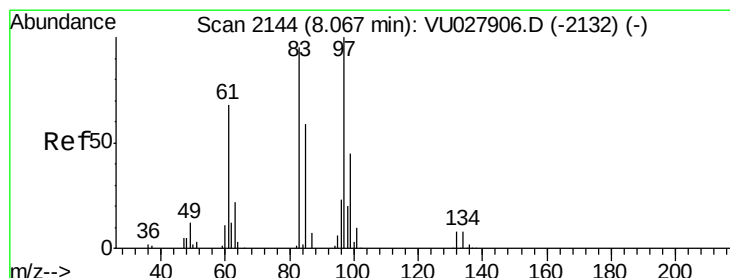
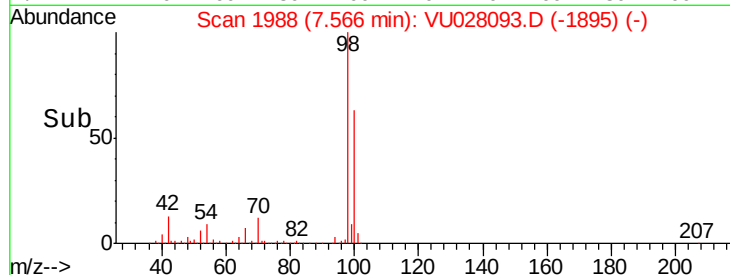
300000

200000

100000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.273 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. 0.16 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

Tgt Ion: 97 Resp: 984

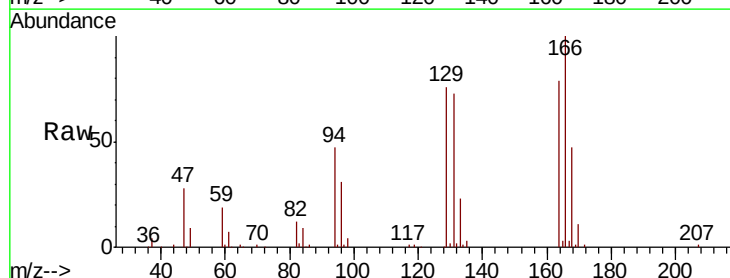
Ion Ratio Lower Upper

97 100

83 179.3 76.1 114.1#

85 34.1 48.9 73.3#

99 0.0 52.0 78.0#



Abundance Ion 96.90 (96.60 to 97.60): VU027906.D (-2132) (-)

Ion 82.90 (82.60 to 83.60): VU028093.D (-2051) (-)

Ion 84.90 (84.60 to 85.60): VU028093.D (-2051) (-)

Ion 98.90 (98.60 to 99.60): VU028093.D (-2051) (-)

2000

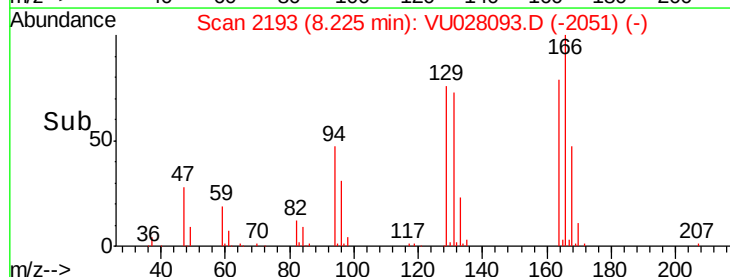
1500

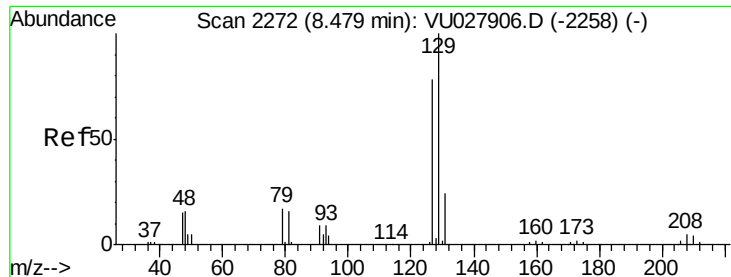
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 27.551 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

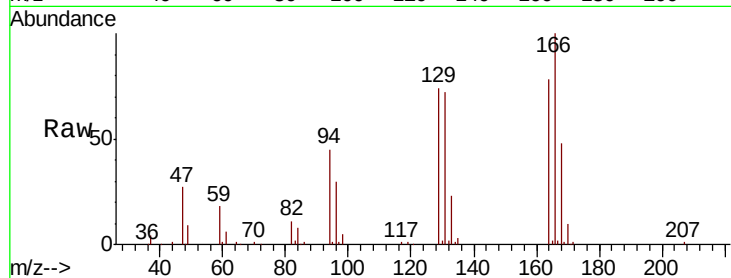
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 94034

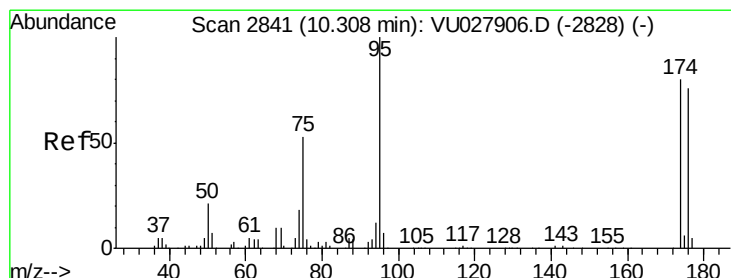
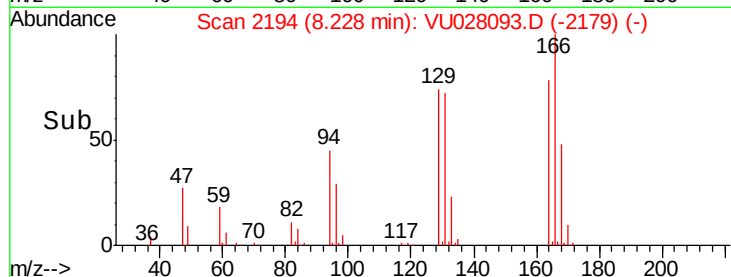
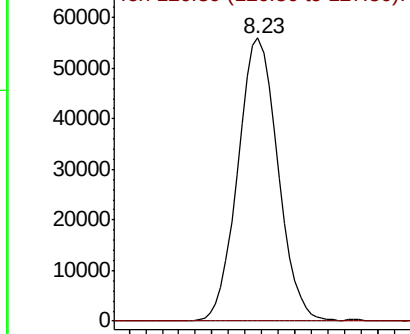
Ion Ratio Lower Upper

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: 47.117 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028093.D

Acq: 13 Nov 2018 15:42

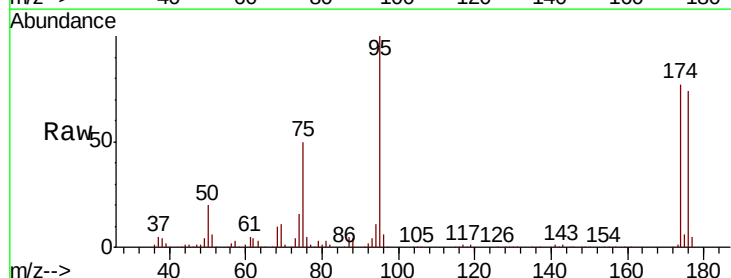
Tgt Ion: 95 Resp: 199342

Ion Ratio Lower Upper

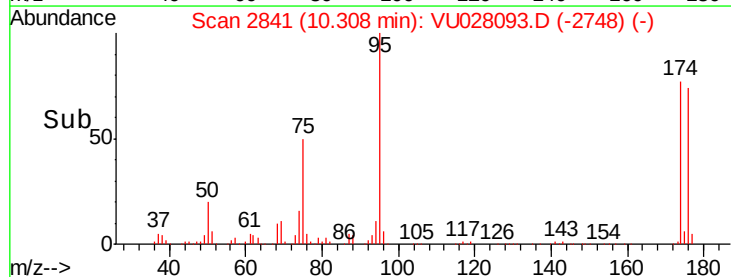
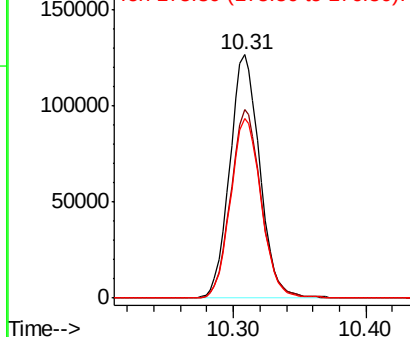
95 100

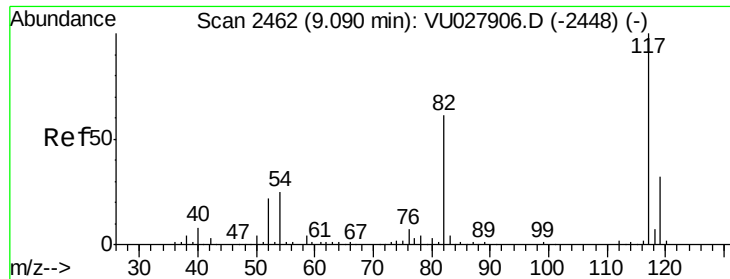
174 78.5 0.0 156.4

176 75.8 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

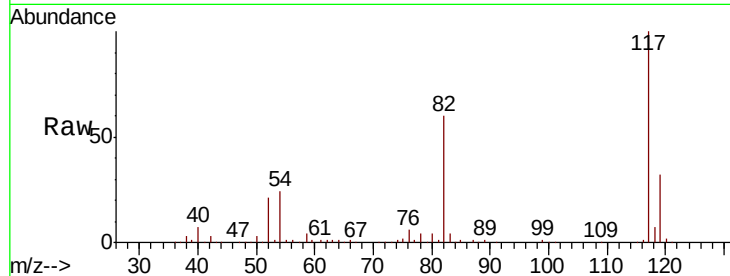




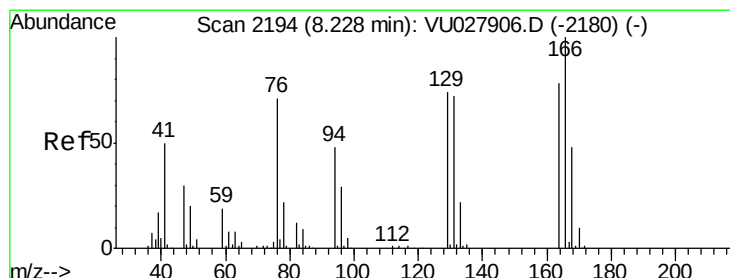
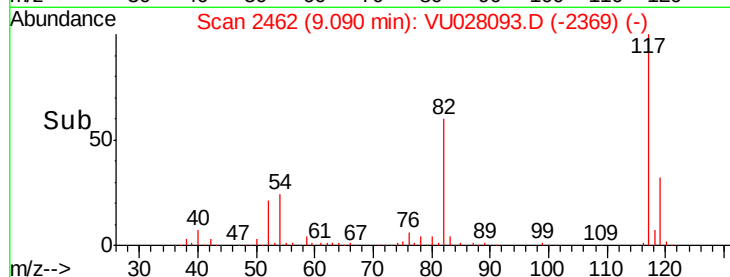
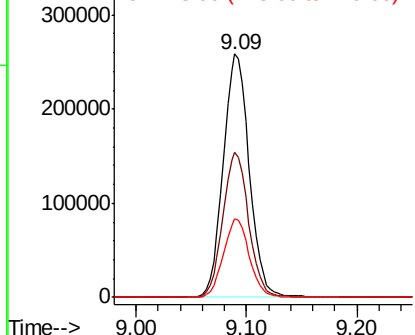
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028093.D
Acq: 13 Nov 2018 15:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 424458
Ion Ratio Lower Upper
117 100
82 59.5 48.6 73.0
119 32.4 25.8 38.8



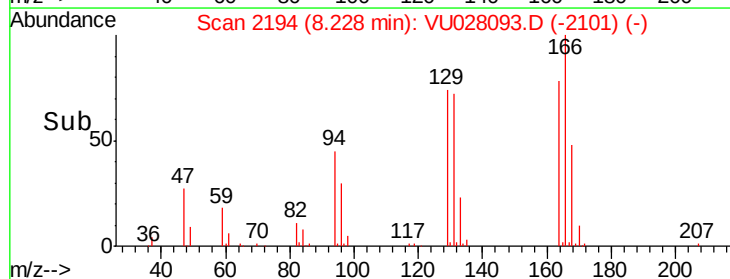
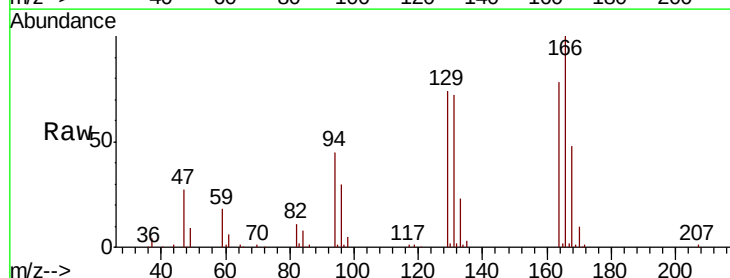
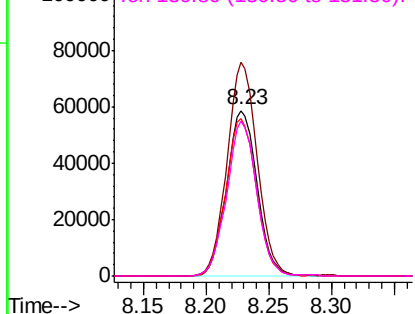
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

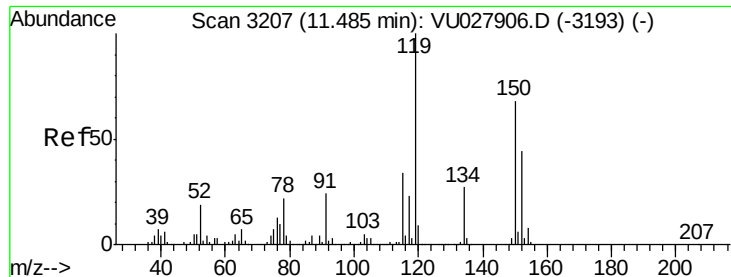


#64
Tetrachloroethene
Concen: 36.052 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028093.D
Acq: 13 Nov 2018 15:42

Tgt Ion:164 Resp: 99226
Ion Ratio Lower Upper
164 100
166 128.8 102.1 153.1
129 95.2 75.9 113.9
131 93.3 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



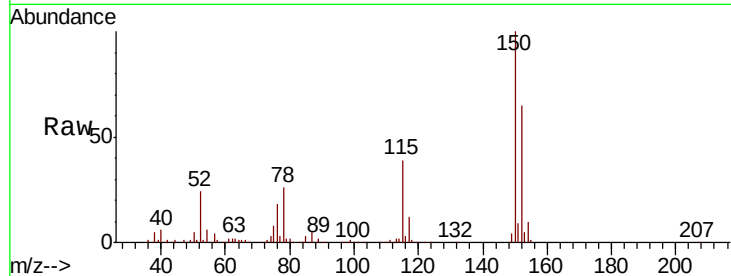


#72

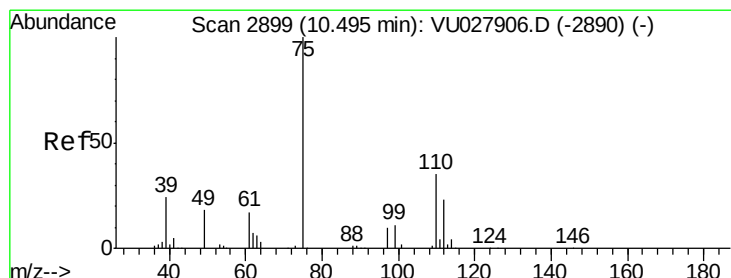
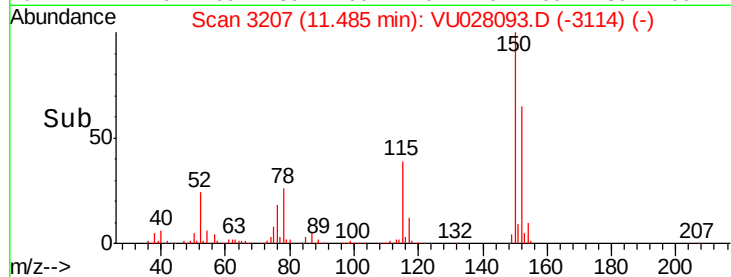
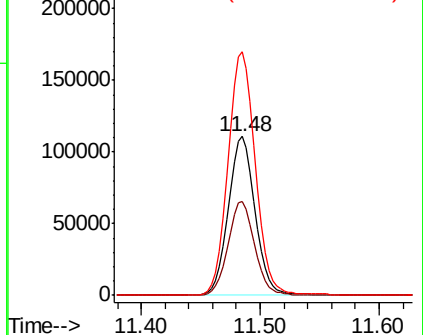
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU028093.D
Acq: 13 Nov 2018 15:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.6	43.0	129.0
150	157.1	0.0	349.4



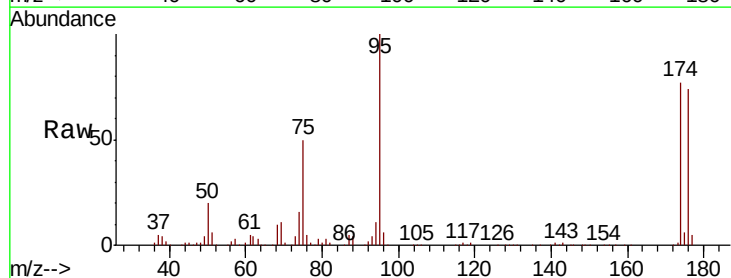
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



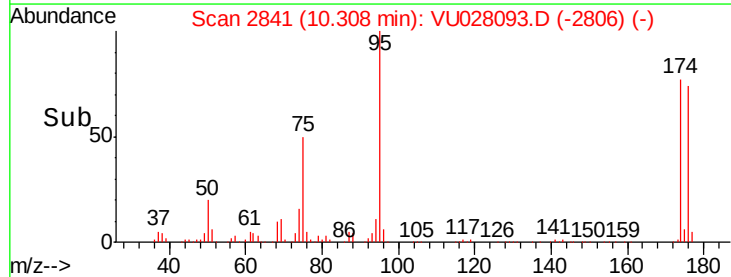
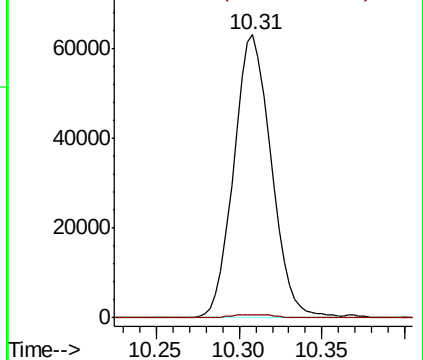
#76

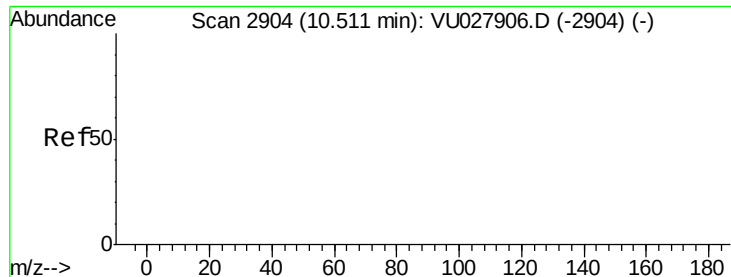
1,2,3-Trichloropropane
Concen: 21.086 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028093.D
Acq: 13 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 52.635 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028093.D
 Acq: 13 Nov 2018 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 99530
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

