

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027928.D
 Acq On : 02 Nov 2018 16:01
 Operator : MD/SY
 Sample : J5776-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 NJ-GREEN

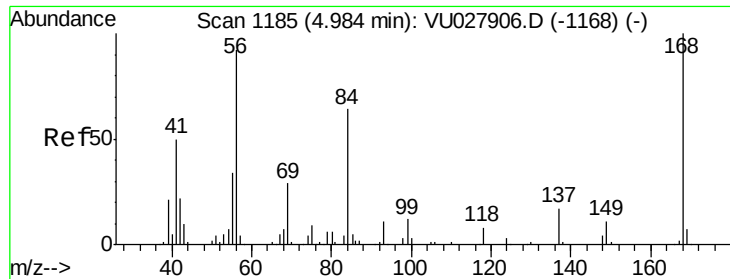
Quant Time: Nov 03 04:23:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	188225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332069	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	118467	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	145402	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	4.89	113	108417	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	7.57	98	422957	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	10.31	95	137546	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.62	59	228	0.308	ug/l #	73
13) Acrolein	2.17	56	43	Below Cal	#	1
16) Acetone	2.32	43	6333	3.648	ug/l	92
18) Methyl Acetate	2.62	43	4789	1.003	ug/l	96
20) Methylene Chloride	2.70	84	26140	10.311	ug/l	96
25) 2-Butanone	4.30	43	1095	0.396	ug/l #	54
30) Chloroform	4.68	83	1151	0.253	ug/l #	77
31) Cyclohexane	4.99	56	4525	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16301	4.687	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18697	6.066	ug/l #	16
43) Isopropyl Acetate	5.55	43	179958	22.541	ug/l	100
48) Methyl methacrylate	6.59	41	842	0.215	ug/l #	18
51) 4-Methyl-2-Pentanone	7.43	43	2519	0.472	ug/l #	38
54) cis-1,3-Dichloropropene	7.43	75	1034	0.247	ug/l #	58
59) 2-Hexanone	8.32	43	1694	0.411	ug/l #	26
60) Dibromochloromethane	8.23	129	663	0.275	ug/l #	10
64) Tetrachloroethene	8.23	164	858	0.458	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	68905	21.264	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	68905	53.076	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	427	0.547	ug/l #	4
95) Naphthalene	13.75	128	24659	2.365	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

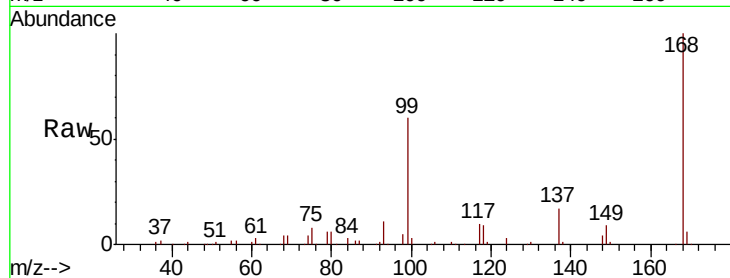
NJ-GREEN

Tot Ion:168 Resp: 188225

Ion Ratio Lower Upper

168 100

99 60.2 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) (-)

4.99

80000

60000

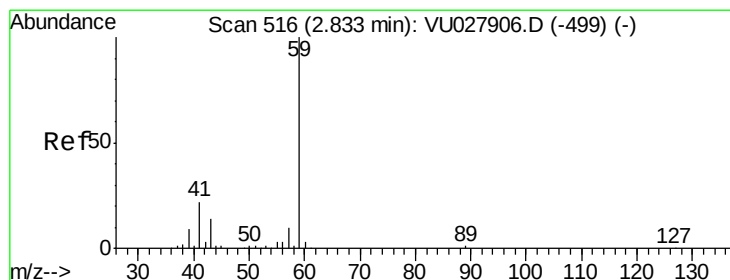
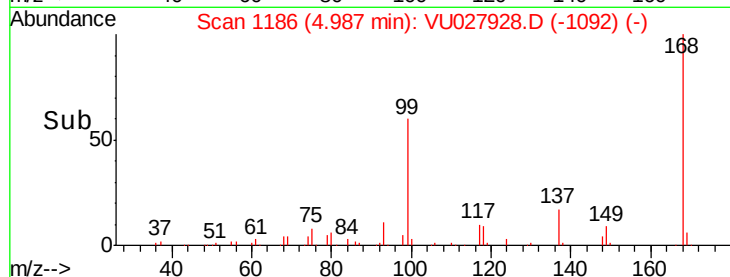
40000

20000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.308 ug/l

RT: 2.62 min Scan# 450

Delta R.T. -0.21 min

Lab File: VU027928.D

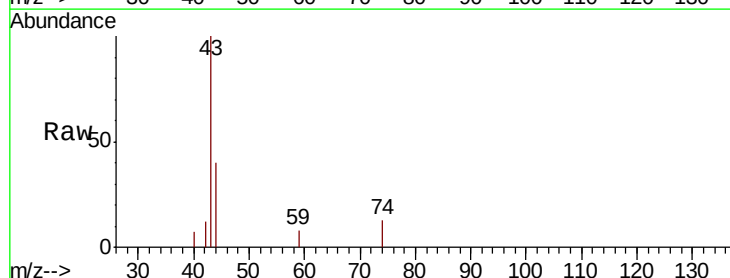
Acq: 02 Nov 2018 16:01

Tgt Ion: 59 Resp: 228

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): VU027906.D (-499) (-)

2.62

200

150

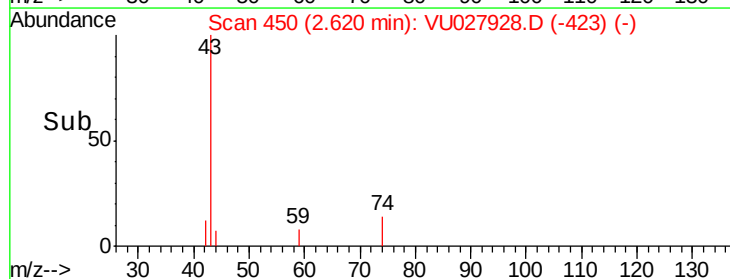
100

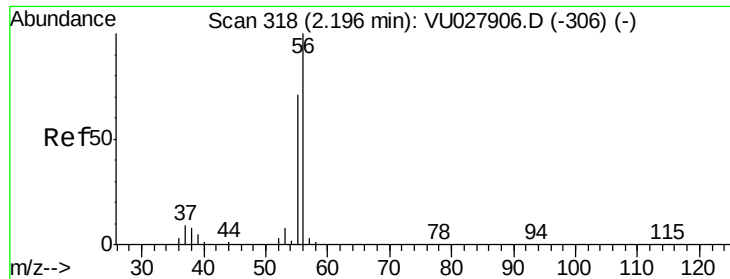
50

0

2.60 2.62 2.64

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.17 min Scan# 310

Delta R.T. -0.02 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

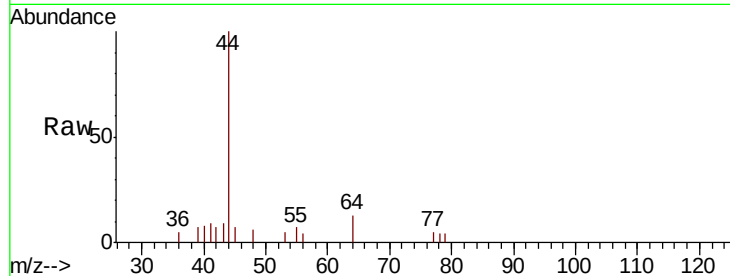
NJ-GREEN

Tot Ion: 56 Resp: 43

Ion Ratio Lower Upper

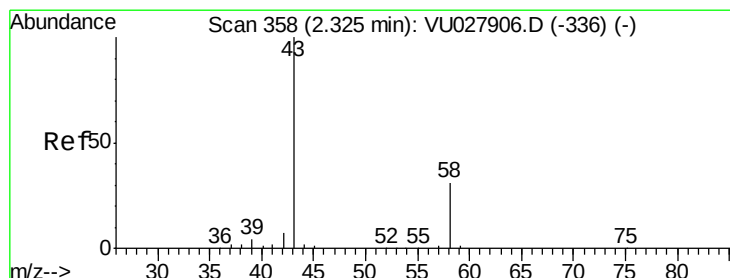
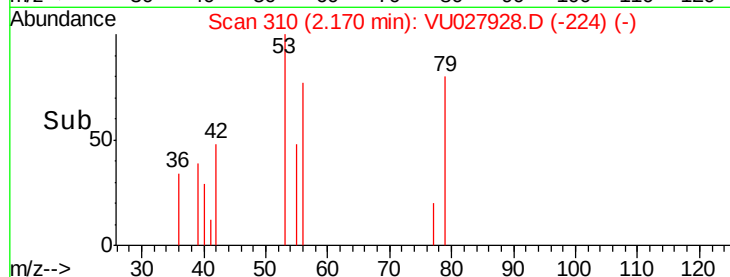
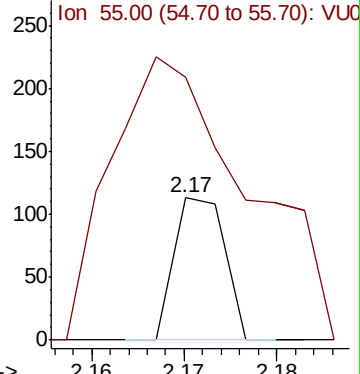
56 100

55 537.2 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)



#16

Acetone

Concen: 3.648 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027928.D

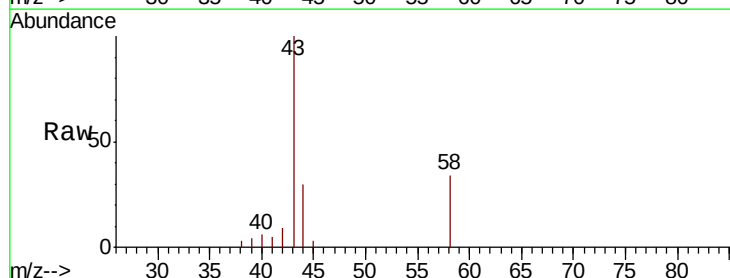
Acq: 02 Nov 2018 16:01

Tgt Ion: 43 Resp: 6333

Ion Ratio Lower Upper

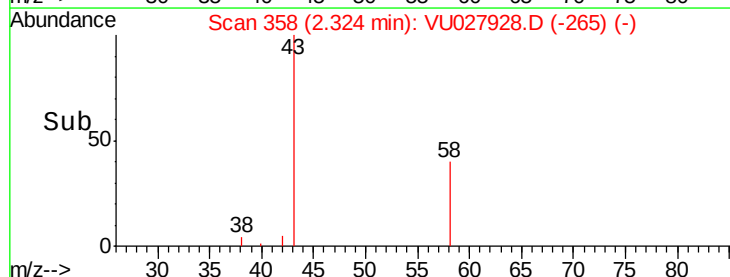
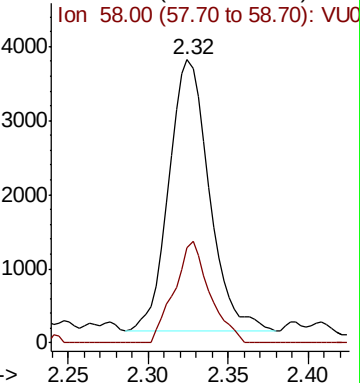
43 100

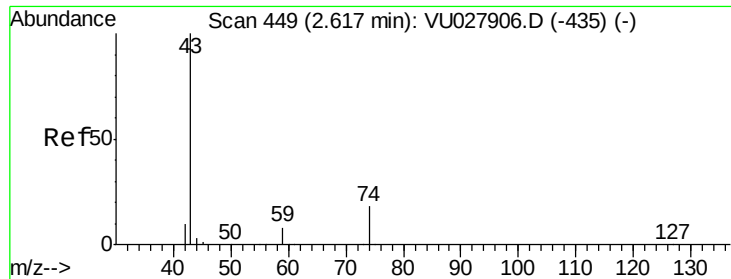
58 35.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

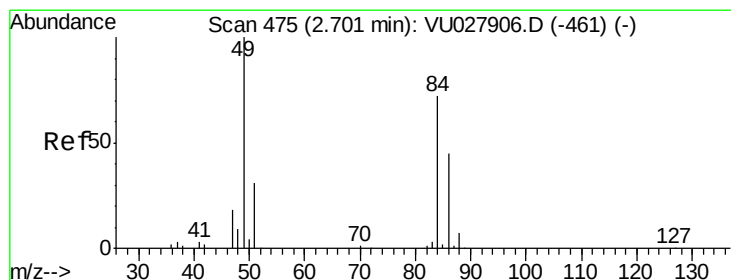
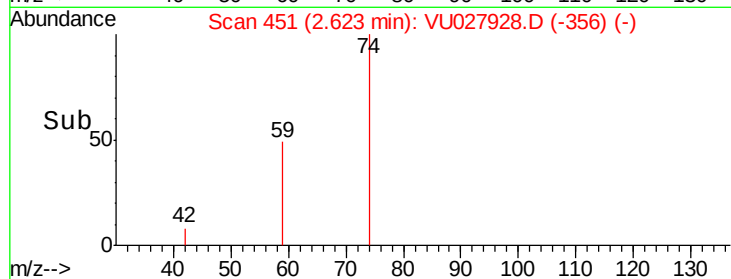
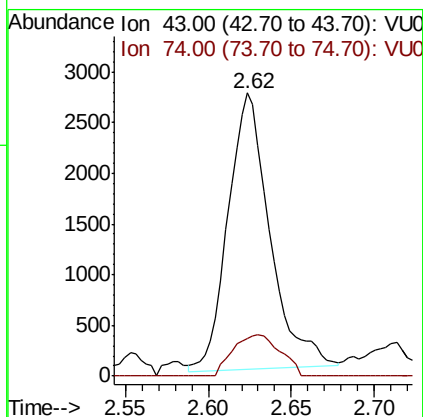
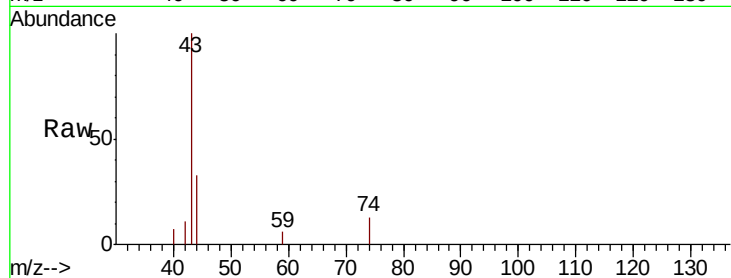




#18
Methyl Acetate
Concen: 1.003 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

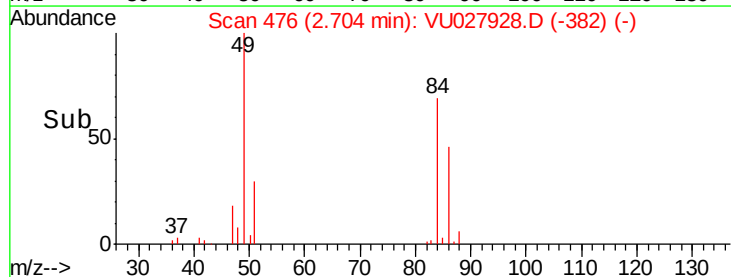
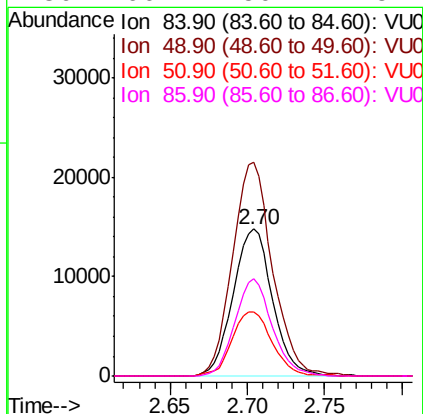
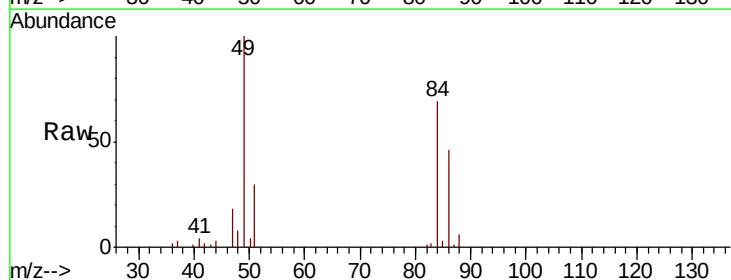
Instrument :
MSVOA_U
ClientSampleId :
NJ-GREEN

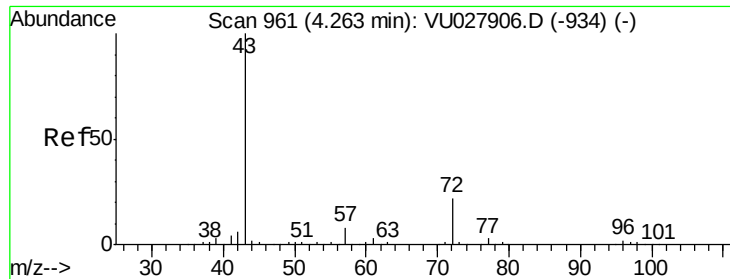
Tot Ion: 43 Resp: 4789
Ion Ratio Lower Upper
43 100
74 16.8 14.9 22.3



#20
Methylene Chloride
Concen: 10.311 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

Tgt Ion: 84 Resp: 26140
Ion Ratio Lower Upper
84 100
49 145.3 111.6 167.4
51 43.5 34.8 52.2
86 66.2 50.1 75.1





#25

2-Butanone

Concen: 0.396 ug/l

RT: 4.30 min Scan# 971

Delta R.T. 0.03 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

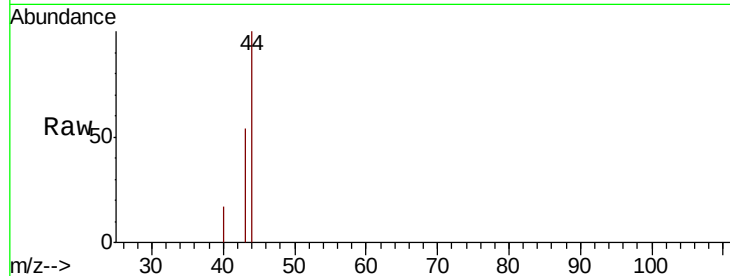
NJ-GREEN

Tot Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.30

4.35

4.40

4.45

4.50

4.55

4.60

4.65

4.70

4.75

4.80

4.85

4.90

4.95

5.00

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

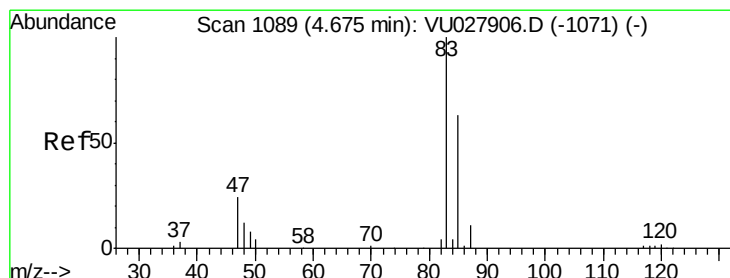
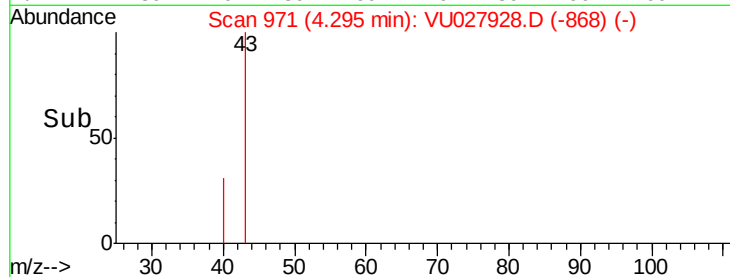
7.05

7.10

7.15

7.20

Time-->



#30

Chloroform

Concen: 0.253 ug/l

RT: 4.68 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VU027928.D

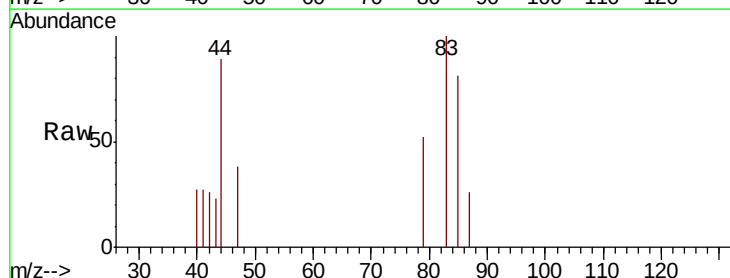
Acq: 02 Nov 2018 16:01

Tgt Ion: 83 Resp: 1151

Ion Ratio Lower Upper

83 100

85 80.9 50.6 76.0#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

4.68

4.70

4.75

4.80

4.85

4.90

4.95

5.00

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

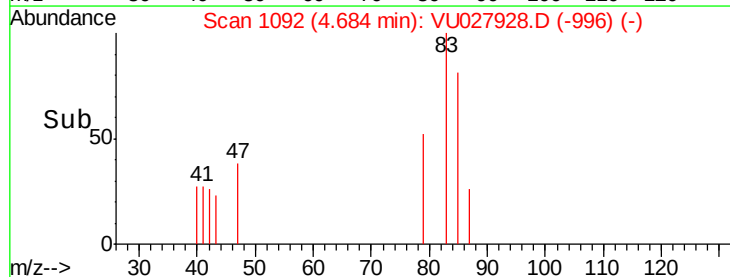
5.85

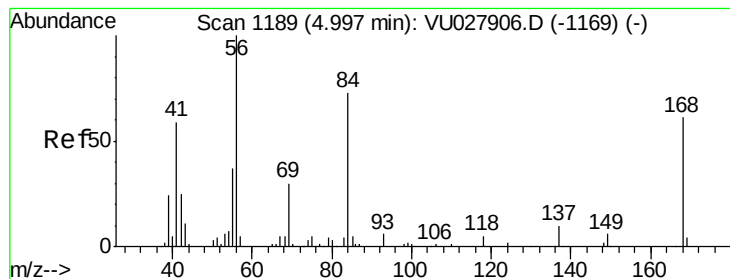
5.90

5.95

6.00

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

NJ-GREEN

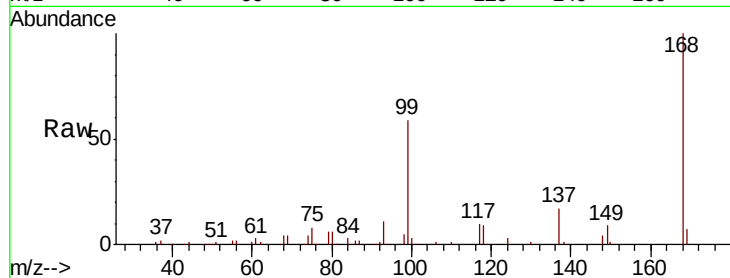
Tot Ion: 56 Resp: 4525

Ion Ratio Lower Upper

56 100

69 176.2 23.7 35.5#

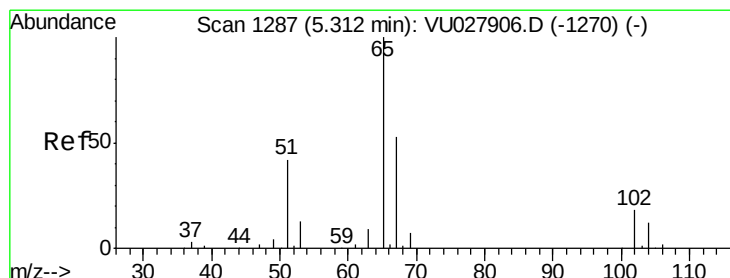
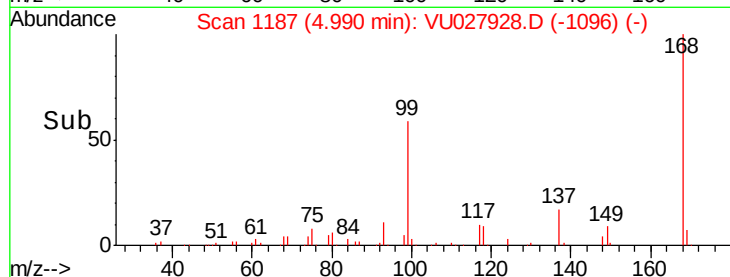
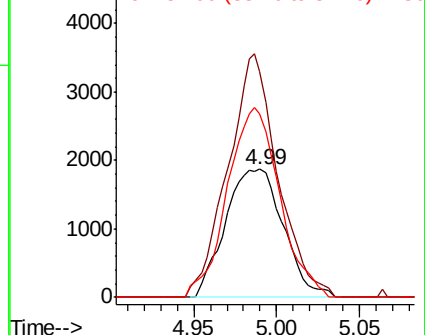
84 143.6 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-1169) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1169) (-)

Ion 84.00 (83.70 to 84.70): VU027906.D (-1169) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.958 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU027928.D

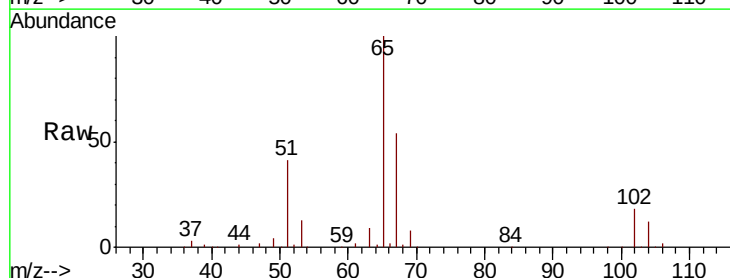
Acq: 02 Nov 2018 16:01

Tgt Ion: 65 Resp: 145402

Ion Ratio Lower Upper

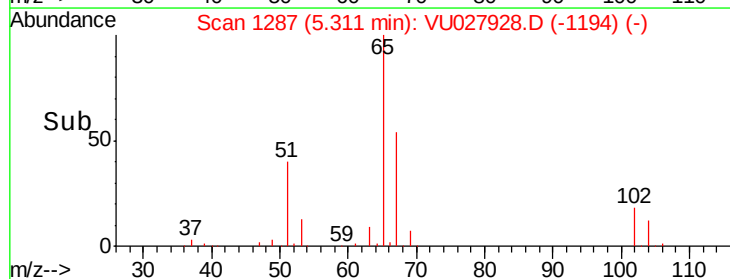
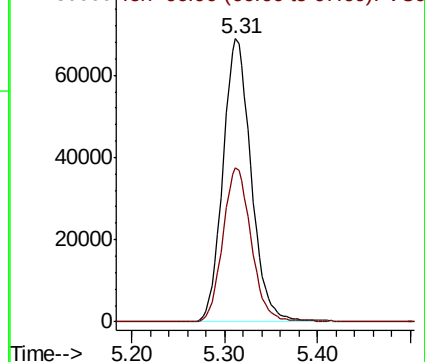
65 100

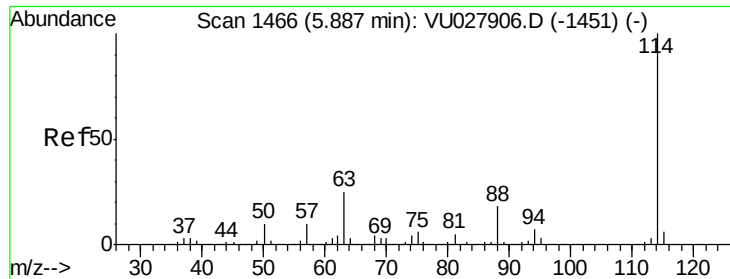
67 54.5 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

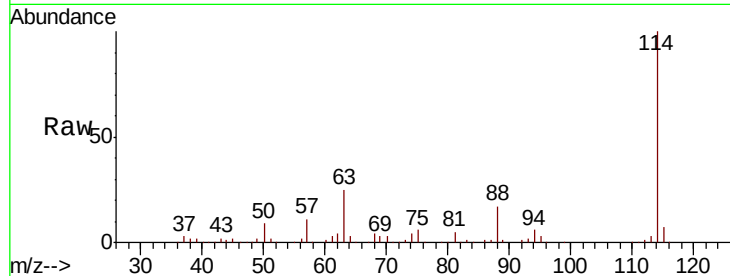




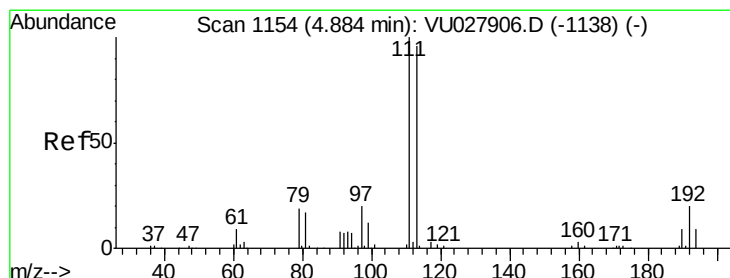
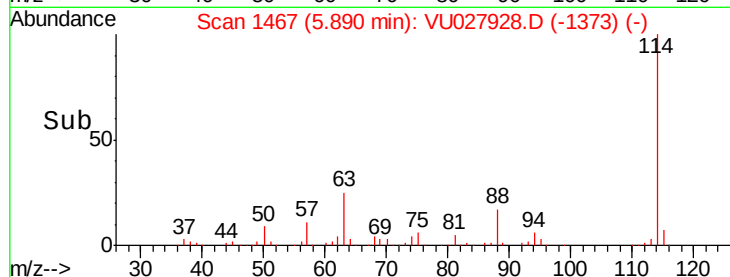
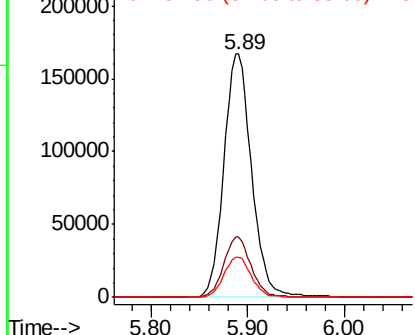
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027928.D
 Acq: 02 Nov 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 NJ-GREEN

Tot Ion:114 Resp: 332069
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.8
 88 16.7 0.0 35.8

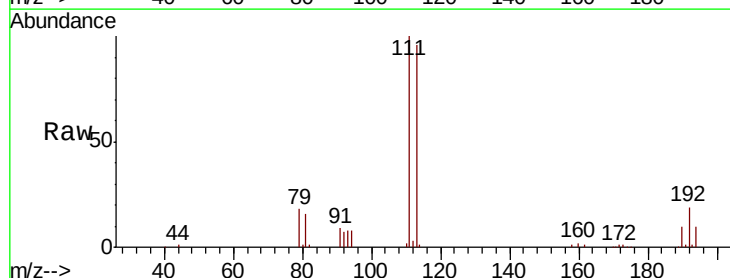


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

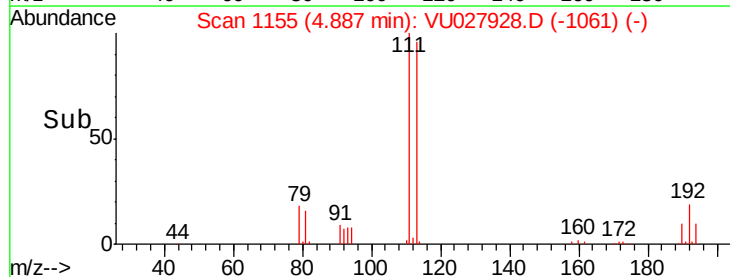
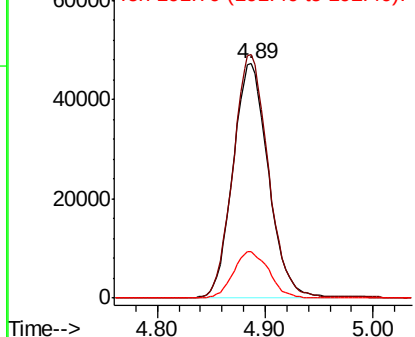


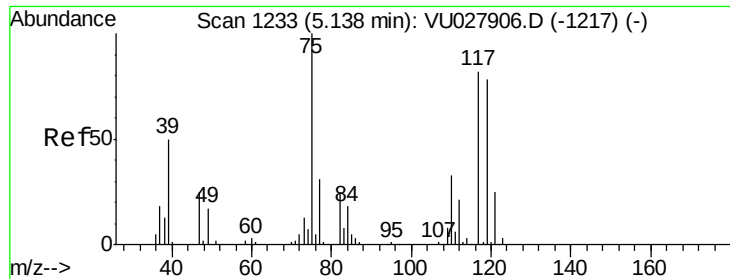
#35
 Dibromofluoromethane
 Concen: 51.781 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027928.D
 Acq: 02 Nov 2018 16:01

Tgt Ion:113 Resp: 108417
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.6
 192 19.8 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

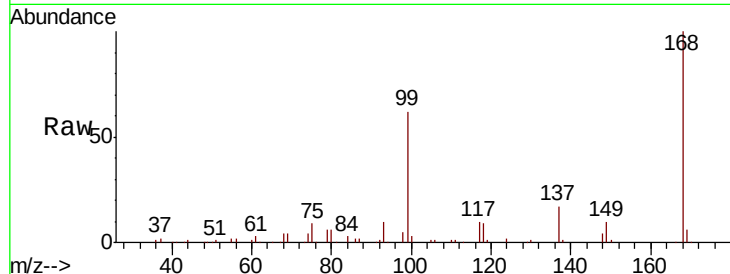




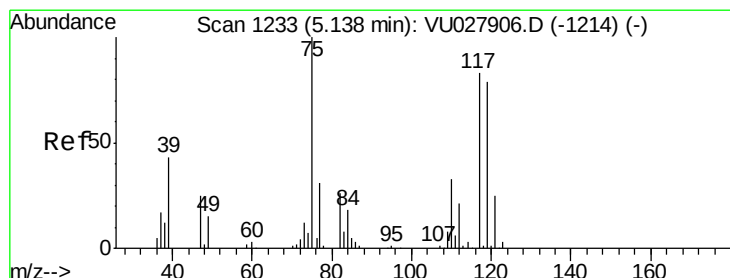
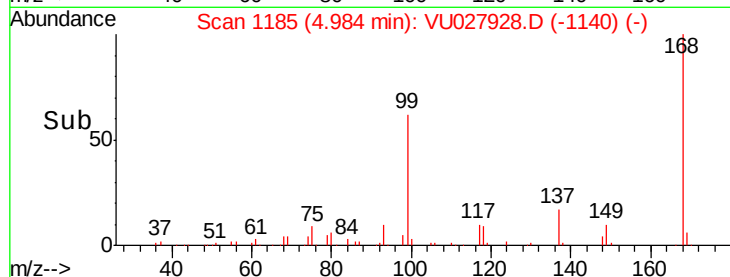
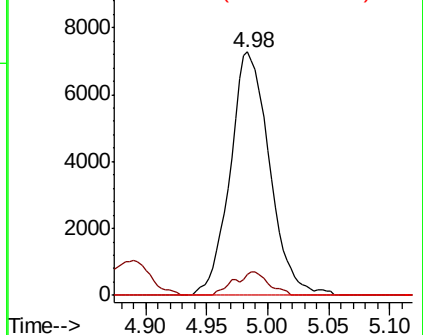
#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027928.D
 Acq: 02 Nov 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 NJ-GREEN

Tot Ion	75	Resp	16301
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.5	49.5#
77	0.0	24.9	37.3#

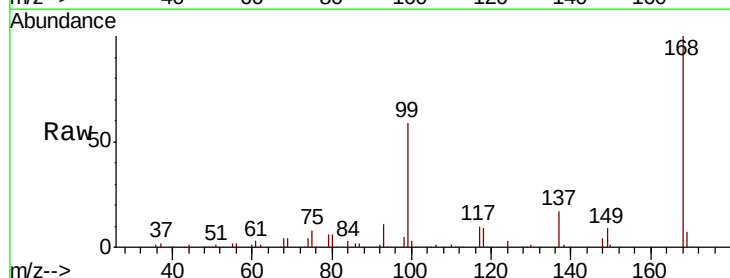


Abundance Ion 74.90 (74.60 to 75.60): VU027928.D (-1140) (-)

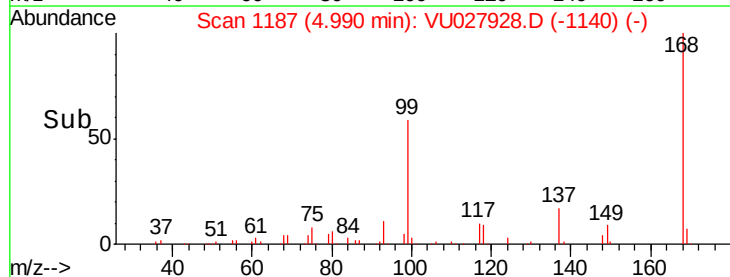
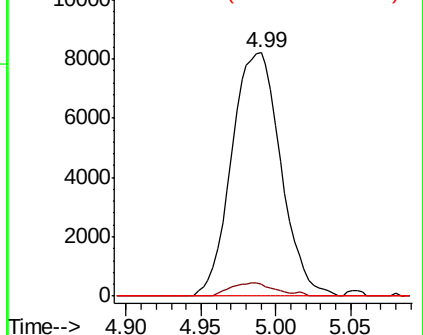


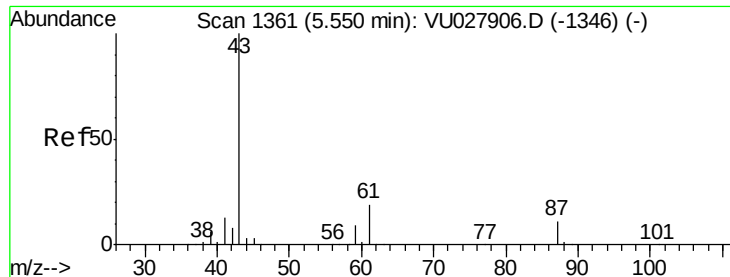
#38
 Carbon Tetrachloride
 Concen: 6.066 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU027928.D
 Acq: 02 Nov 2018 16:01

Tgt Ion	117	Resp	18697
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.8	76.0	114.0#
121	0.0	24.5	36.7#



Abundance Ion 116.80 (116.50 to 117.50): VU027928.D (-1140) (-)





#43

Isopropyl Acetate

Concen: 22.541 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampled :

NJ-GREEN

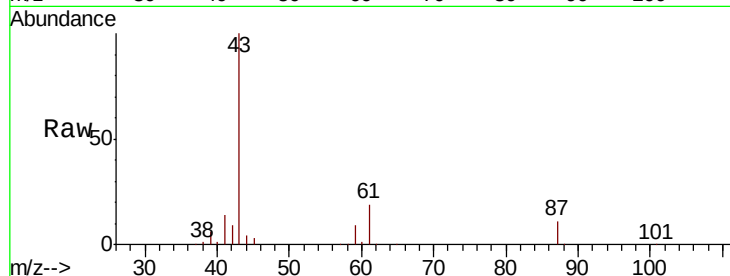
Tot Ion: 43 Resp: 179958

Ion Ratio Lower Upper

43 100

61 18.9 15.0 22.4

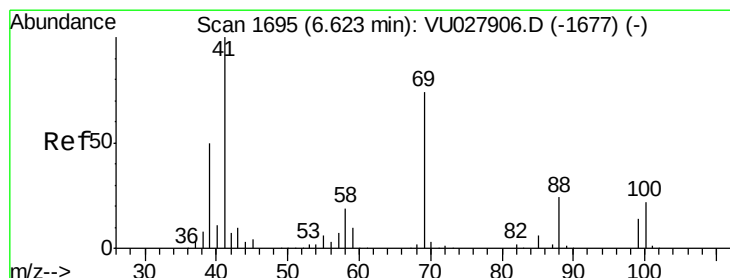
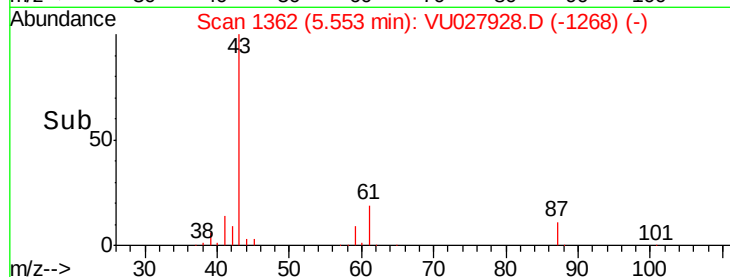
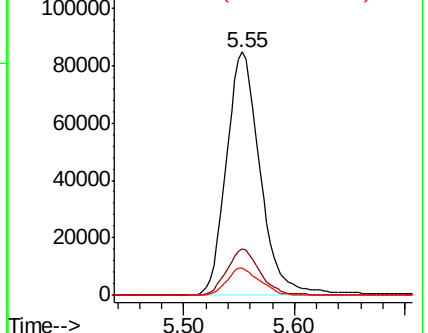
87 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 0.215 ug/l

RT: 6.59 min Scan# 1684

Delta R.T. -0.04 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

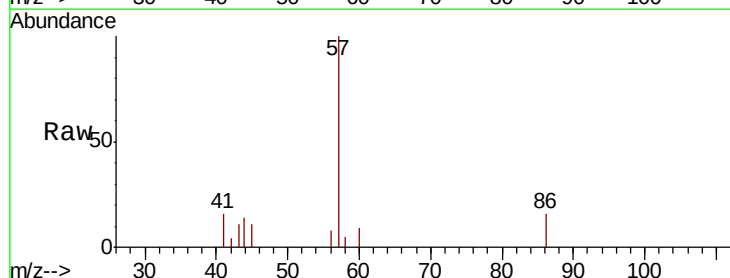
Tgt Ion: 41 Resp: 842

Ion Ratio Lower Upper

41 100

69 0.0 59.8 89.8#

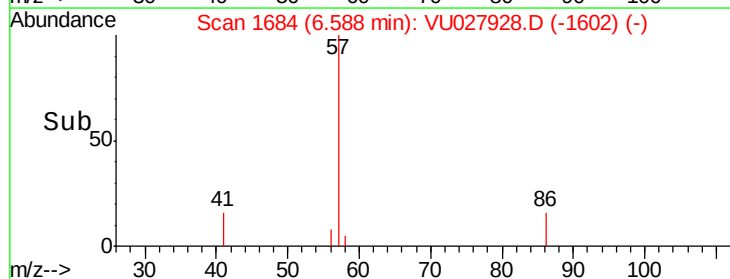
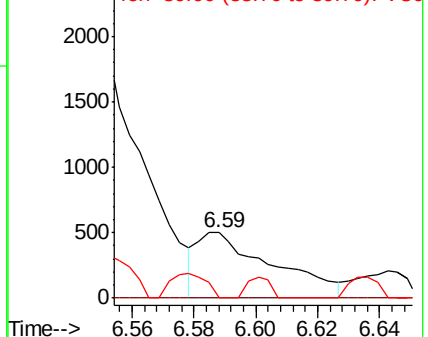
39 0.0 40.0 60.0#

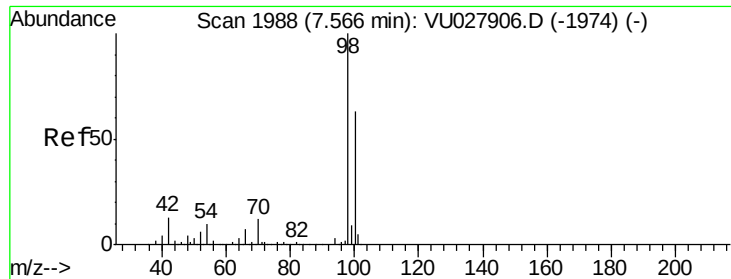


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

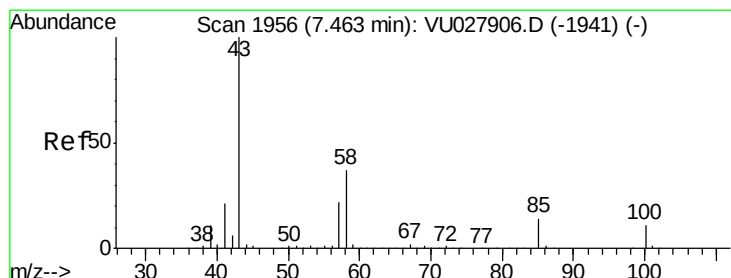
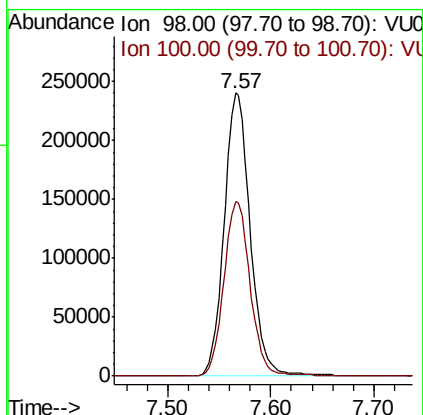
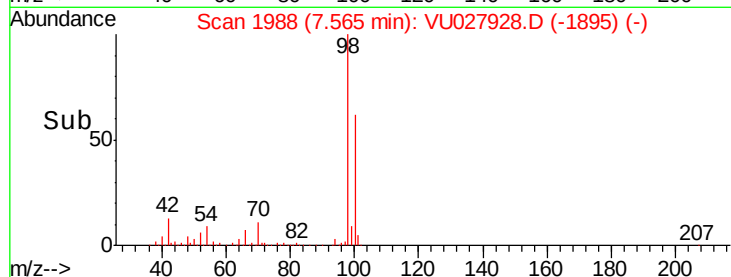
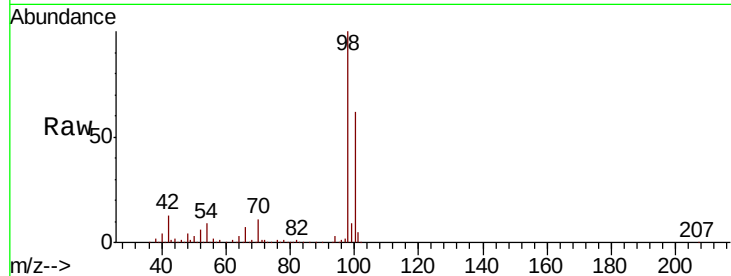




#50
Toluene-d8
Concen: 52.295 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

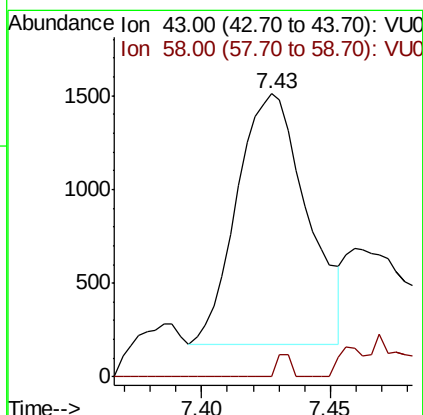
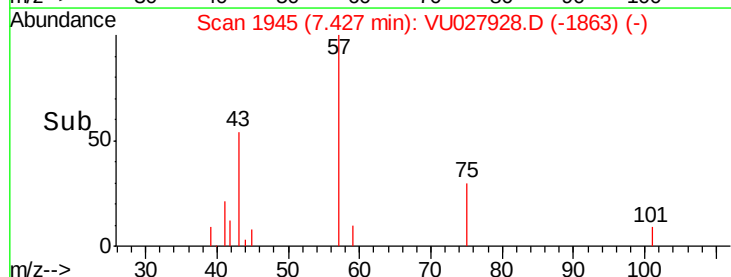
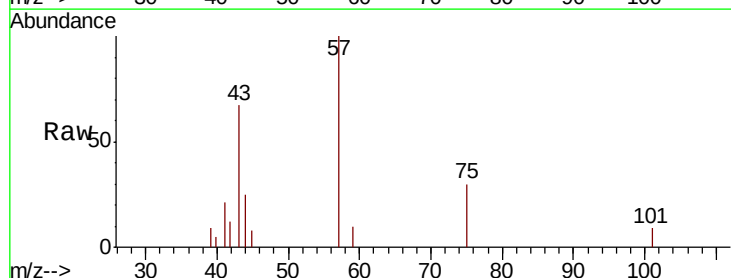
Instrument :
MSVOA_U
ClientSampleId :
NJ-GREEN

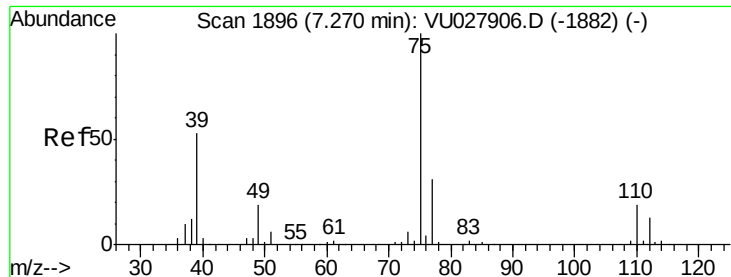
Tot Ion: 98 Resp: 422957
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 0.472 ug/l
RT: 7.43 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

Tgt Ion: 43 Resp: 2519
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#





#54

cis-1,3-Dichloropropene

Concen: 0.247 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

NJ-GREEN

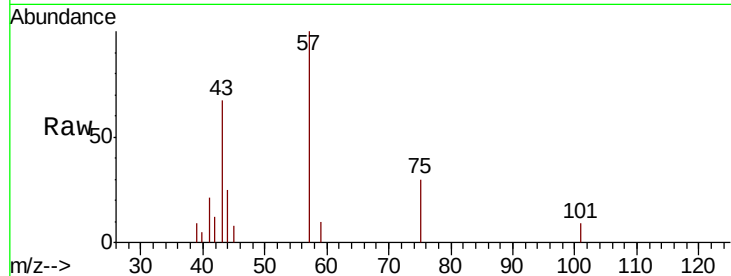
Tot Ion: 75 Resp: 1034

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

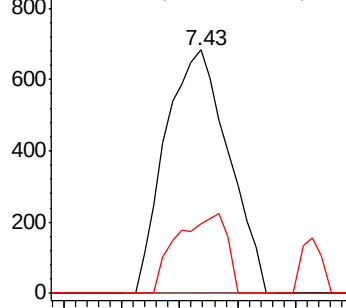
39 28.7 42.6 64.0#



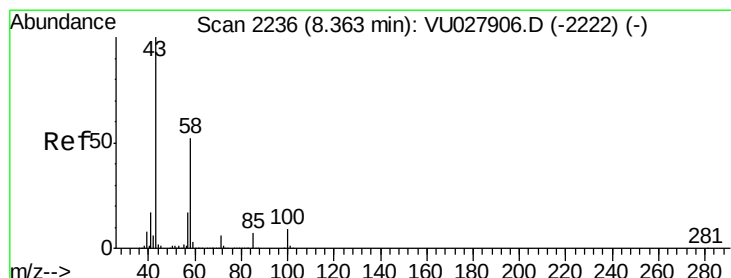
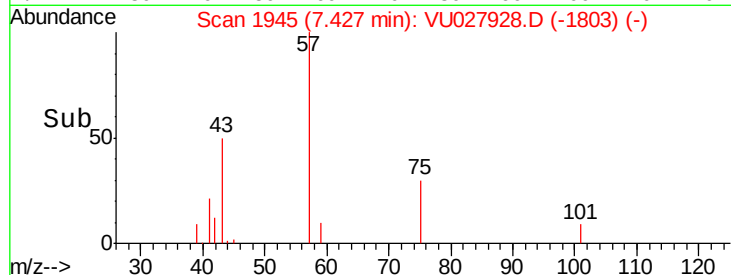
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



Time-->



#59

2-Hexanone

Concen: 0.411 ug/l

RT: 8.32 min Scan# 2222

Delta R.T. -0.05 min

Lab File: VU027928.D

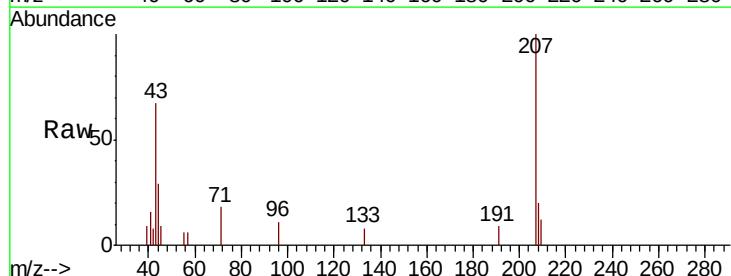
Acq: 02 Nov 2018 16:01

Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

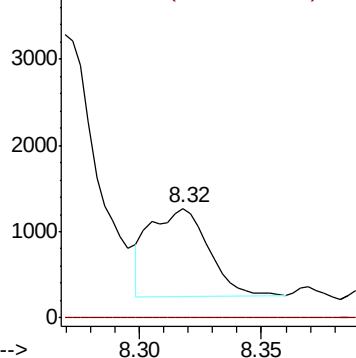
43 100

58 0.0 25.8 77.3#

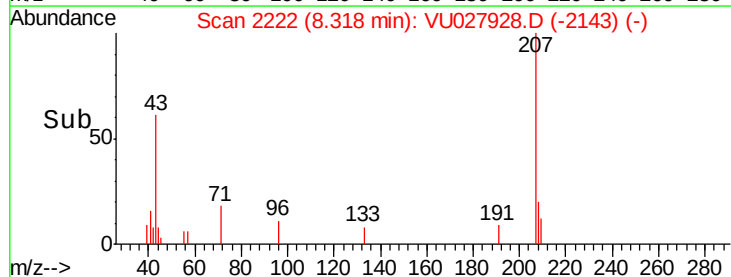


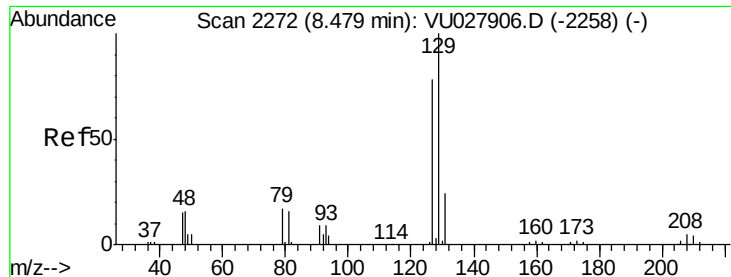
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#60

Dibromochloromethane

Concen: 0.275 ug/l

RT: 8.23 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

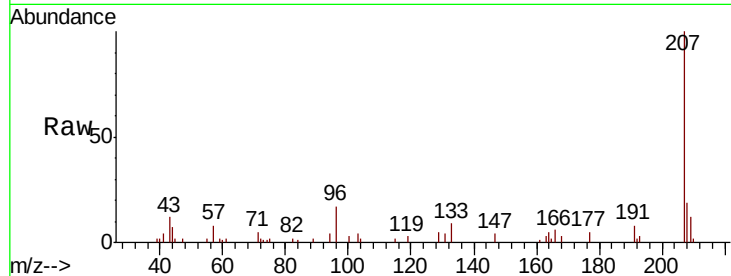
NJ-GREEN

Tot Ion:129 Resp: 663

Ion Ratio Lower Upper

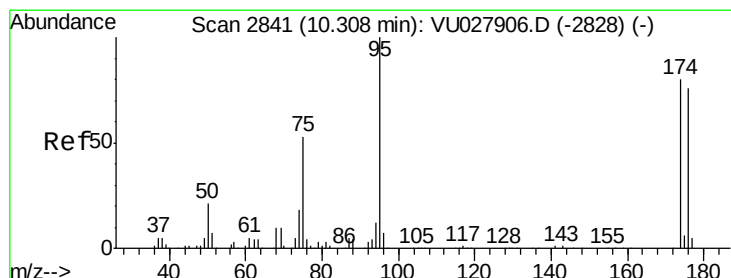
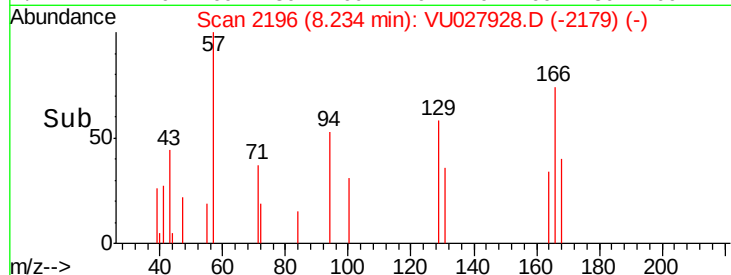
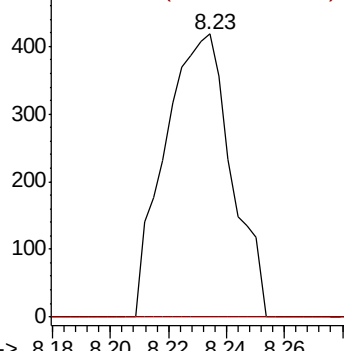
129 100

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: 46.107 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

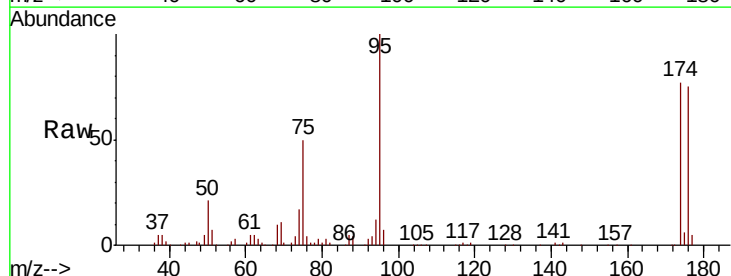
Tgt Ion: 95 Resp: 137546

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.4

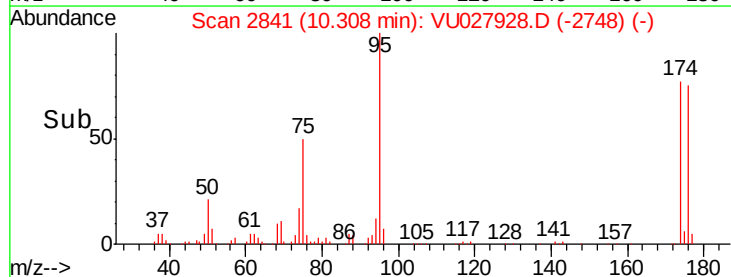
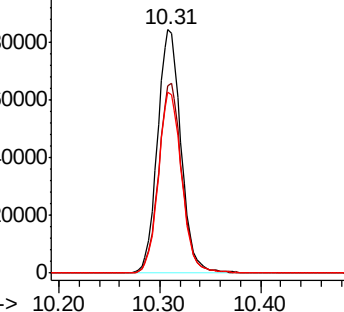
176 73.6 0.0 150.8

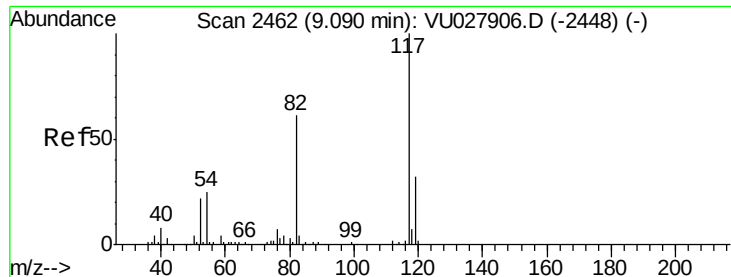


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

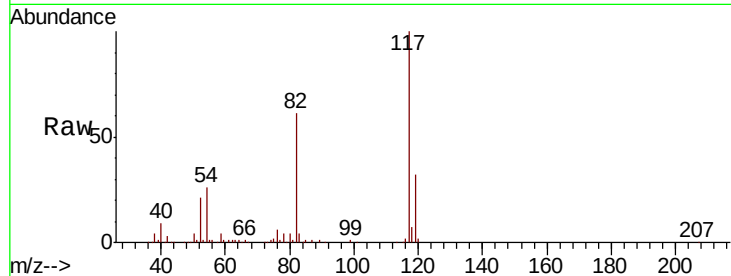




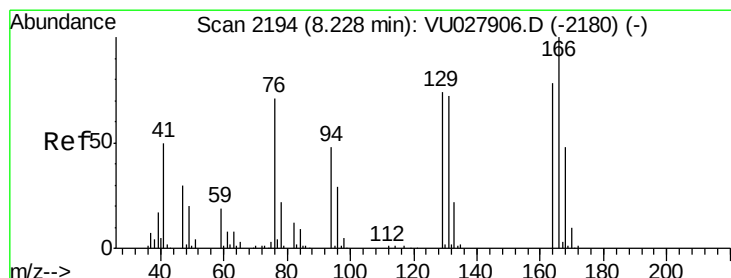
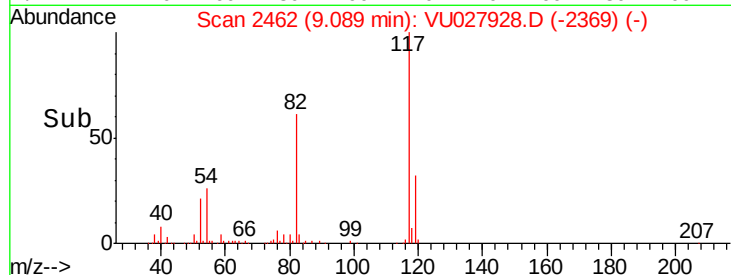
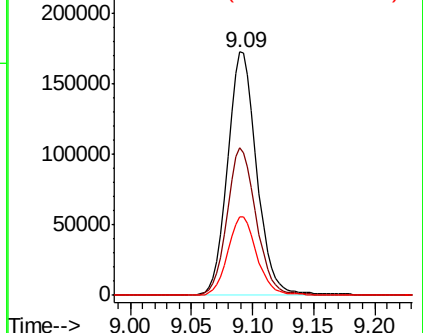
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
NJ-GREEN

Tot Ion:117 Resp: 289172
Ion Ratio Lower Upper
117 100
82 60.7 48.6 73.0
119 32.1 25.8 38.8

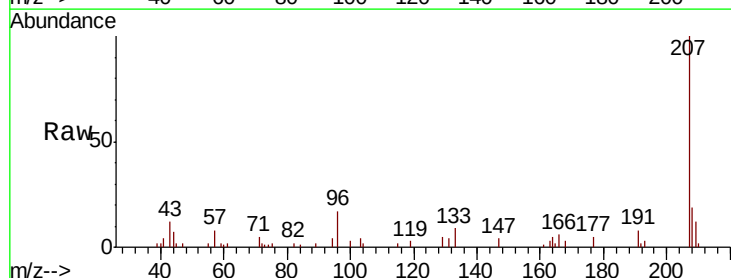


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

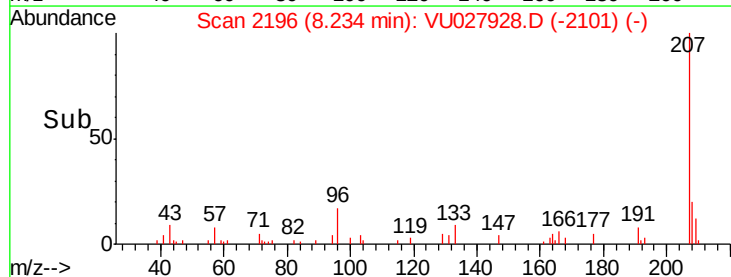
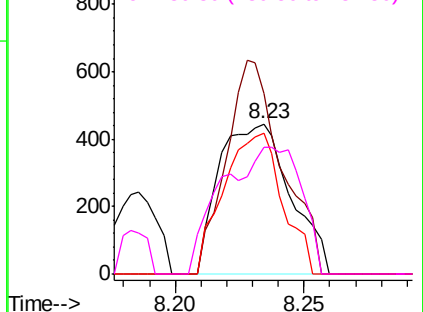


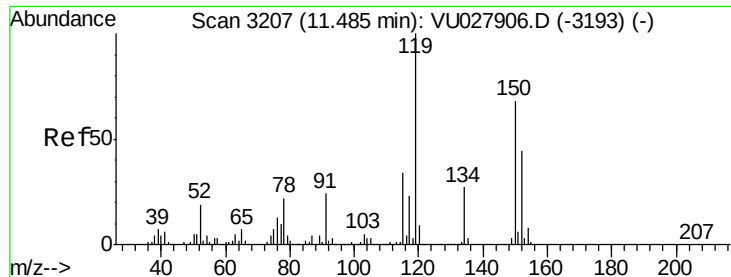
#64
Tetrachloroethene
Concen: 0.458 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

Tgt Ion:164 Resp: 858
Ion Ratio Lower Upper
164 100
166 119.7 102.1 153.1
129 93.7 75.9 113.9
131 84.5 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



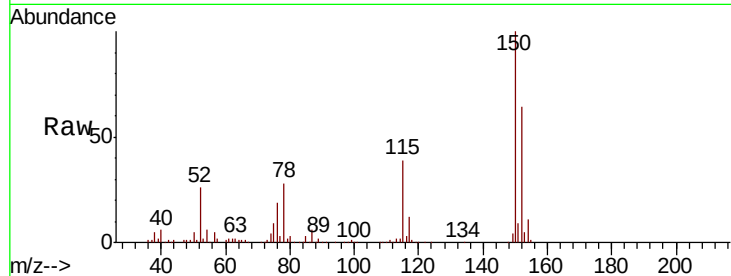


#72

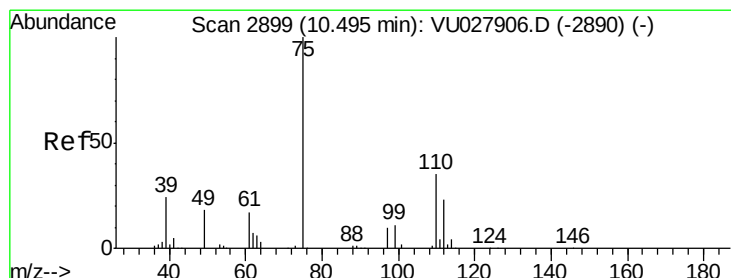
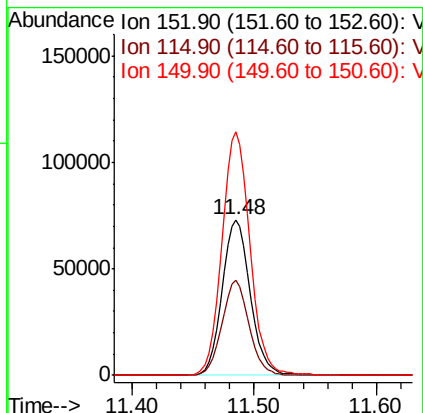
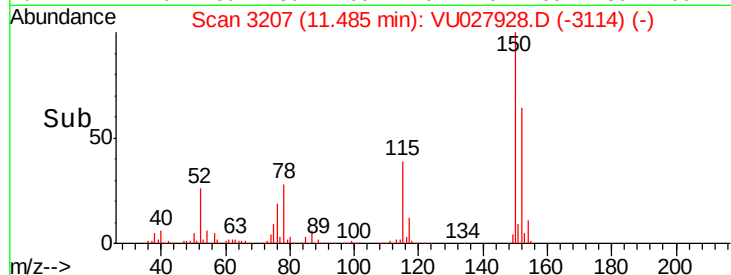
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
NJ-GREEN

Tot Ion:152 Resp: 118467
Ion Ratio Lower Upper
152 100
115 58.9 43.0 129.0
150 156.0 0.0 349.4



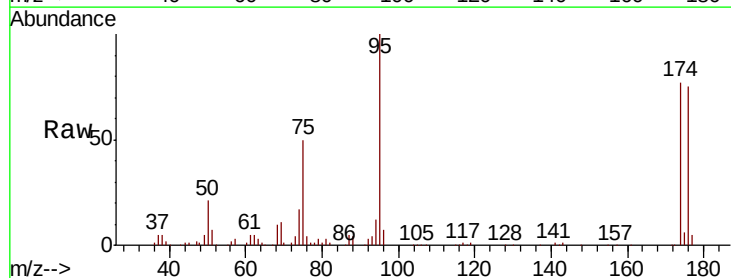
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



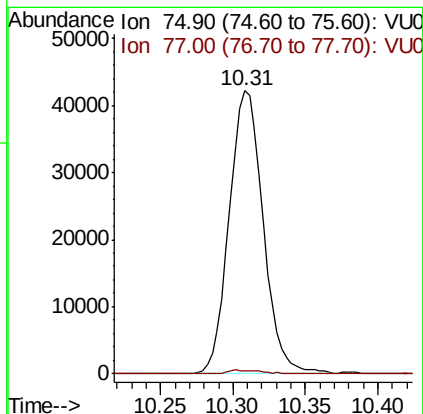
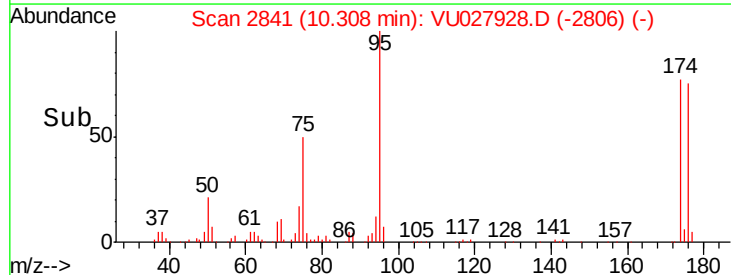
#76

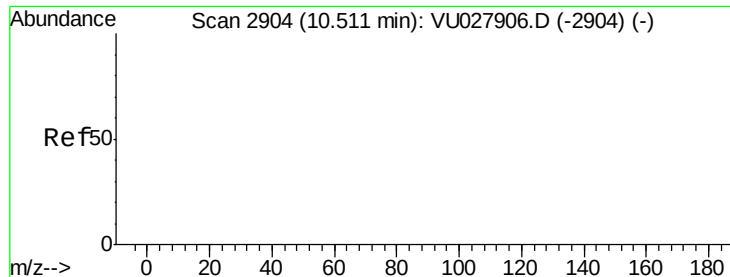
1,2,3-Trichloropropane
Concen: 21.264 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027928.D
Acq: 02 Nov 2018 16:01

Tgt Ion: 75 Resp: 68905
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: 53.076 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampled :

NJ-GREEN

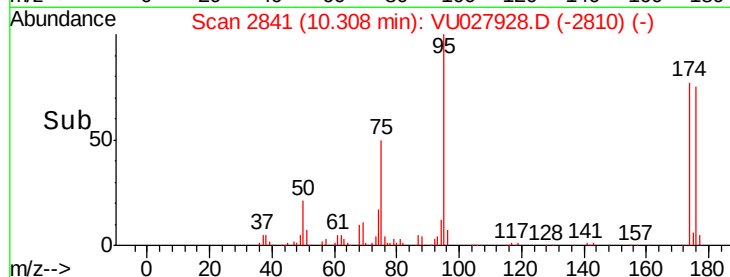
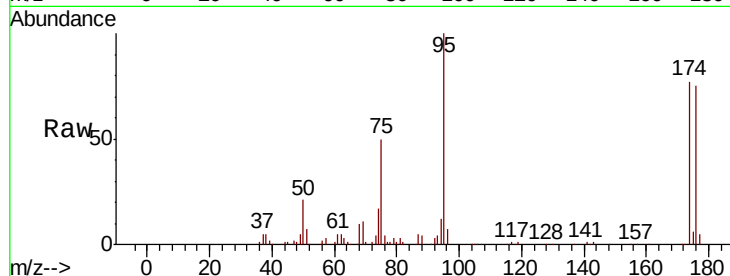
Tot Ion: 75 Resp: 68905

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

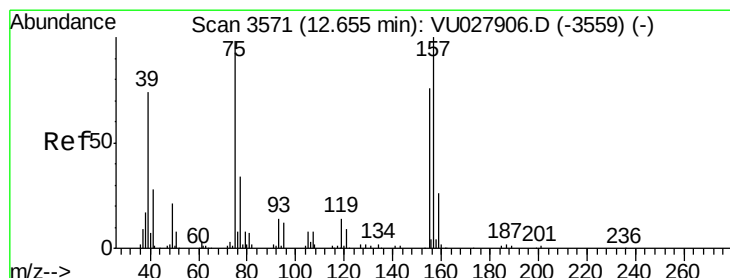
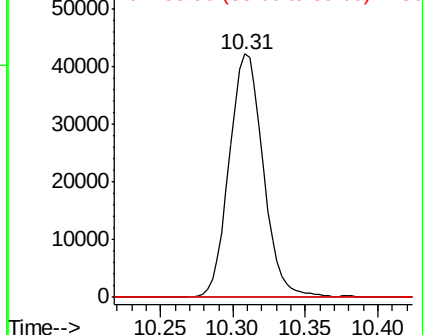
89 0.0 0.0 0.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.547 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

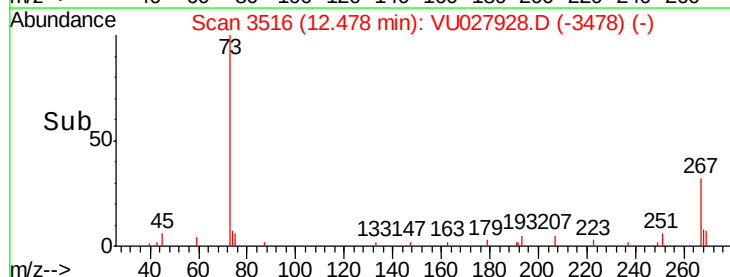
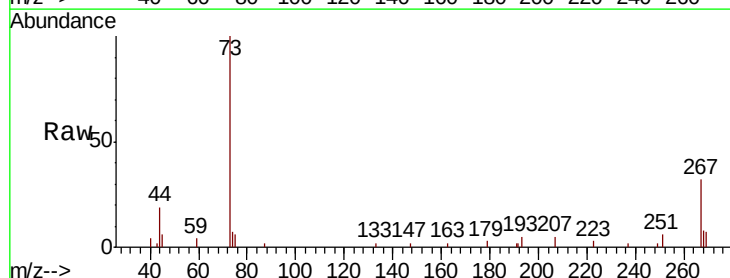
Tgt Ion: 75 Resp: 427

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

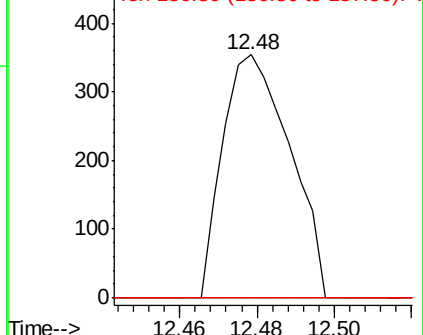
157 0.0 50.6 151.9#

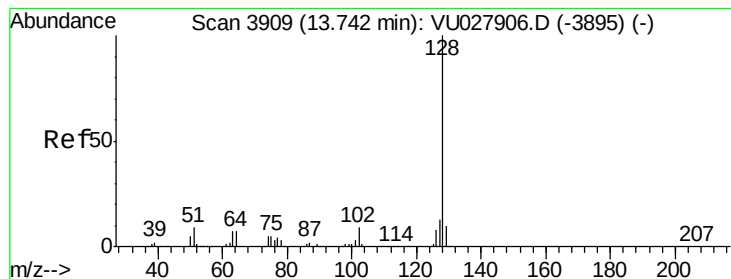


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 2.365 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027928.D

Acq: 02 Nov 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

NJ-GREEN

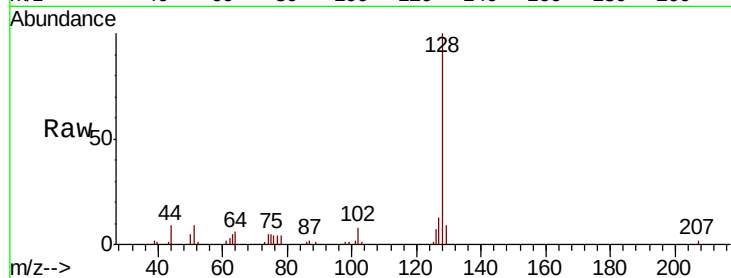
Tot Ion:128 Resp: 24659

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 10.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

