

Data File : VU027085.D
Acq On : 23 Sep 2018 20:20
Operator : MD/SY
Sample : J4954-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 129 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-SW201-20180914

Quant Time: Sep 24 07:18:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	106065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	181286	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	111108	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	4.89	113	75372	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	7.57	98	290553	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	10.31	95	92438	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	

Target Compounds

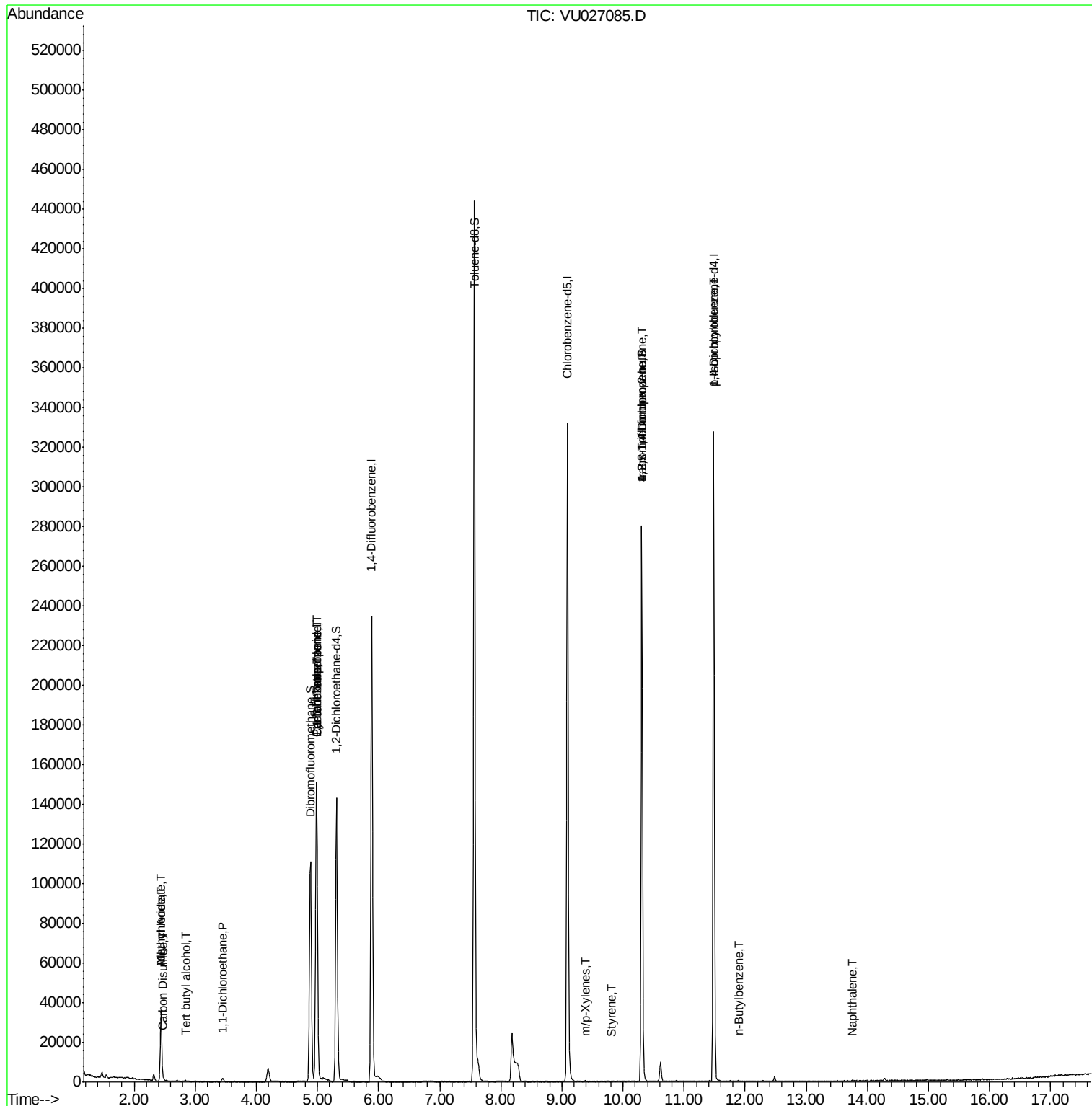
						Qvalue
11) Tert butyl alcohol	2.84	59	583	1.192	ug/l #	72
14) Allyl chloride	2.44	41	3597	1.211	ug/l #	71
16) Acetone	2.32	43	4193	Below Cal		96
17) Carbon Disulfide	2.48	76	997	0.209	ug/l #	75
18) Methyl Acetate	2.44	43	8939	2.942	ug/l #	55
24) 1,1-Dichloroethane	3.45	63	2586	0.739	ug/l #	84
31) Cyclohexane	4.98	56	2743	0.290	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	10190	4.212	ug/l #	47
38) Carbon Tetrachloride	4.99	117	11064	4.805	ug/l #	17
68) m/p-Xylenes	9.39	106	79	1.526	ug/l #	1
70) Styrene	9.80	104	40	1.818	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	50506	21.437	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	50506	68.601	ug/l #	100
86) p-Isopropyltoluene	11.48	119	212	0.965	ug/l #	1
89) n-Butylbenzene	11.90	91	373	2.459	ug/l #	56
95) Naphthalene	13.76	128	410	1.751	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

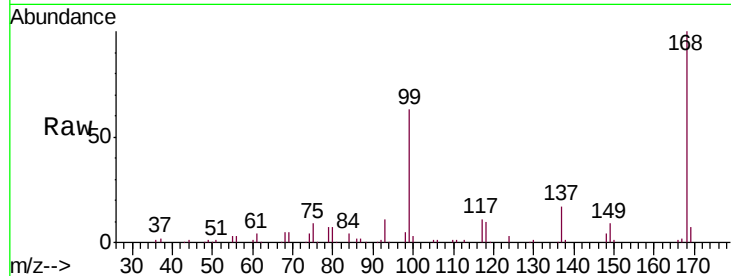
SA-SW201-20180914

Tgt Ion:168 Resp: 106065

Ion Ratio Lower Upper

168 100

99 63.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

50000

40000

30000

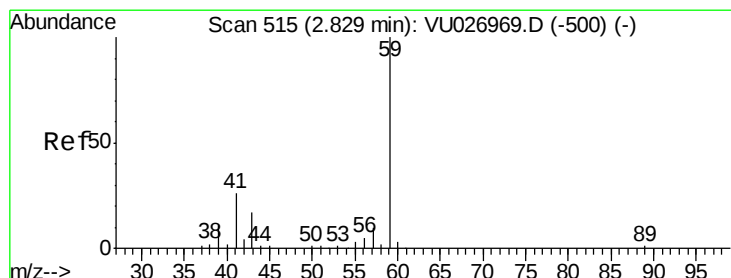
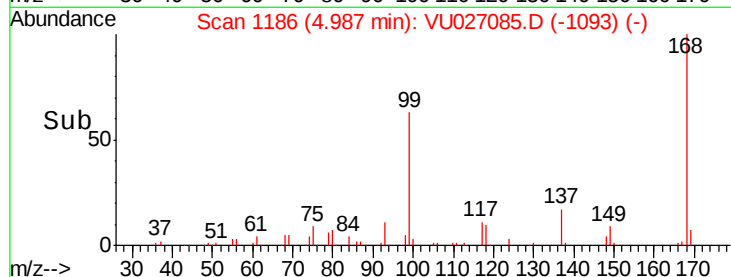
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.192 ug/l

RT: 2.84 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU027085.D

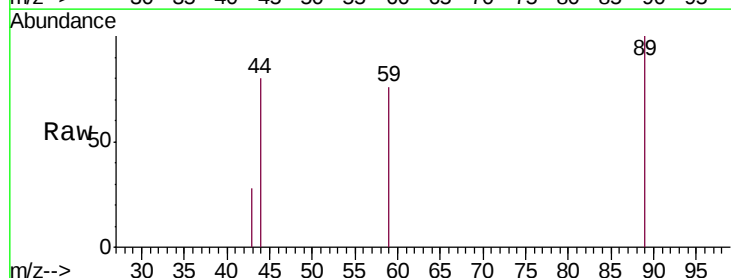
Acq: 23 Sep 2018 20:20

Tgt Ion: 59 Resp: 583

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

300

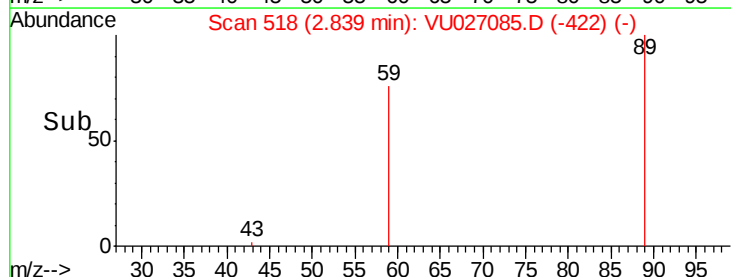
200

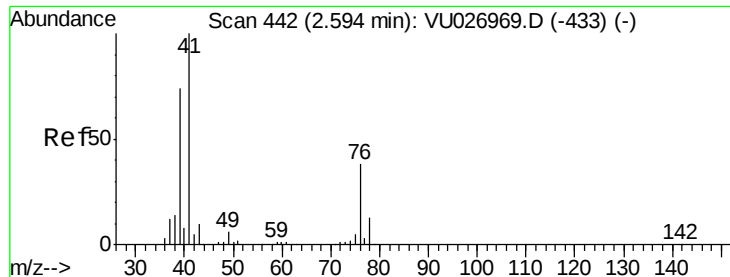
100

0

2.80 2.85

Time-->





#14

Allyl chloride

Concen: 1.211 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.15 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

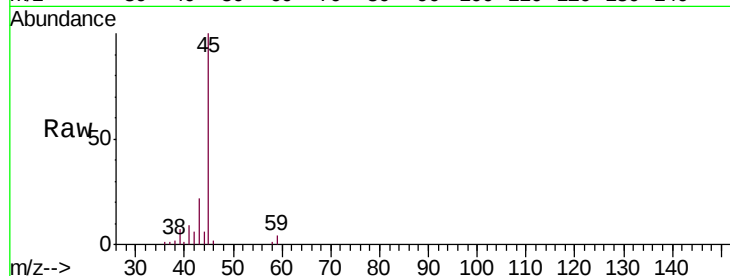
Tgt Ion: 41 Resp: 3597

Ion Ratio Lower Upper

41 100

39 81.4 55.7 83.5

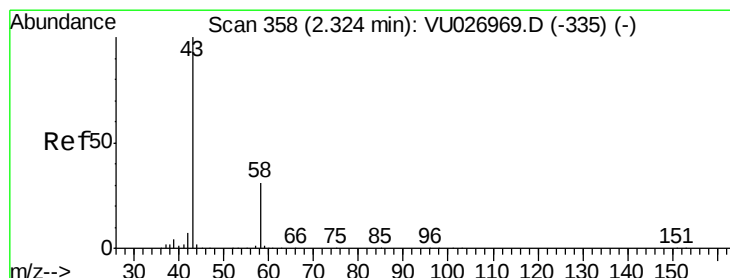
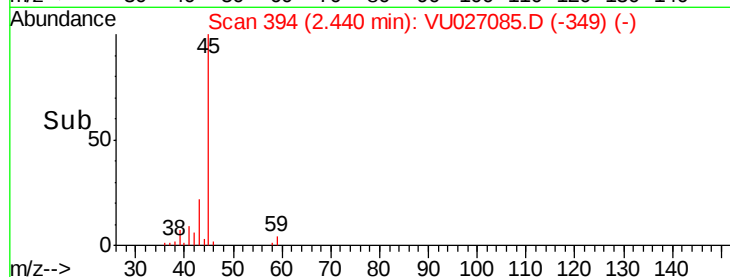
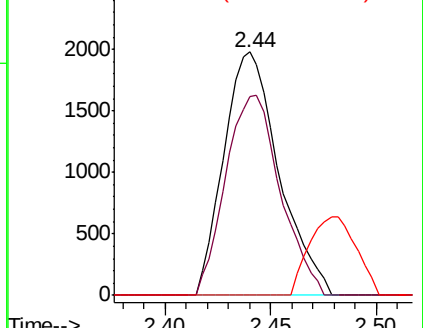
76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027085.D

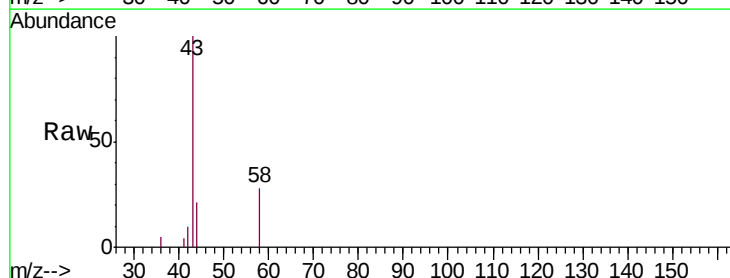
Acq: 23 Sep 2018 20:20

Tgt Ion: 43 Resp: 4193

Ion Ratio Lower Upper

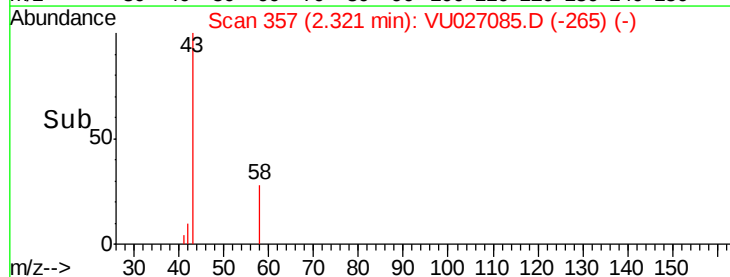
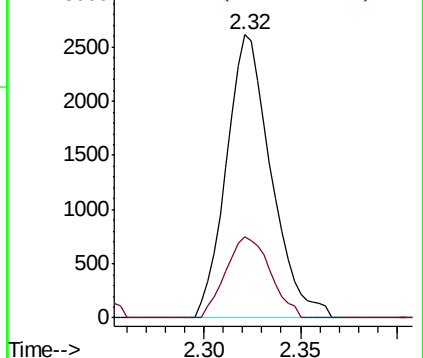
43 100

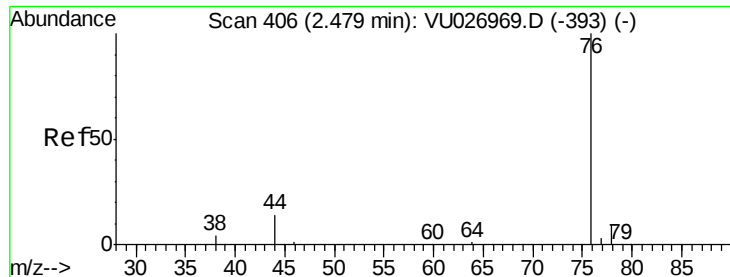
58 28.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

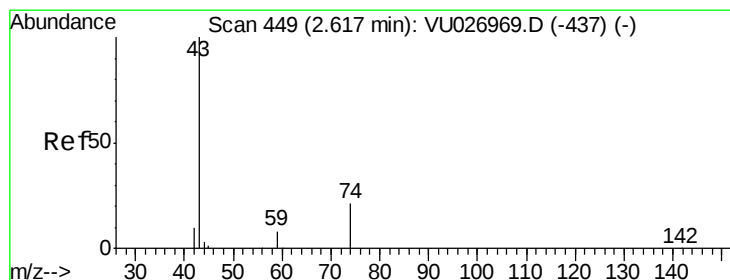
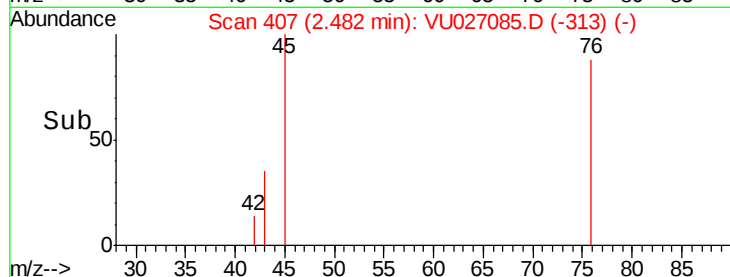
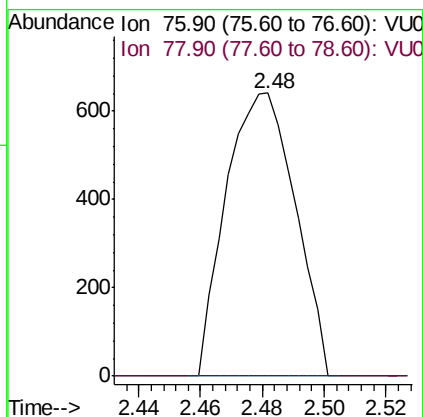
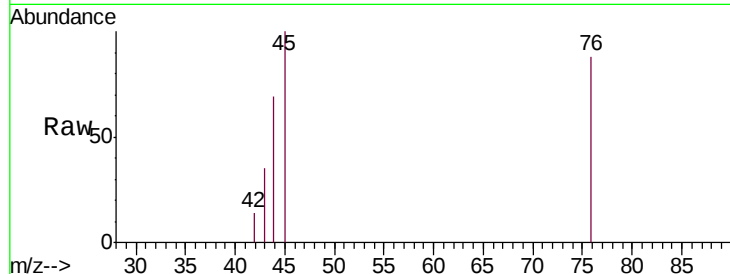




#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 2.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: VU027085.D
Acq: 23 Sep 2018 20:20

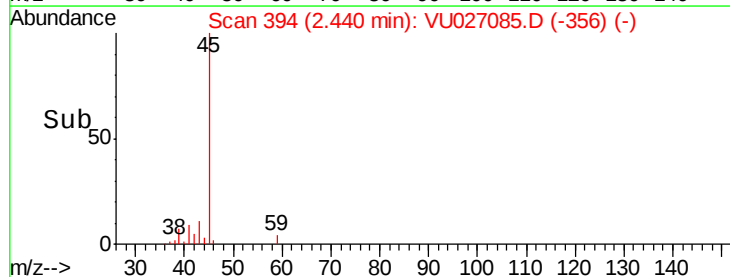
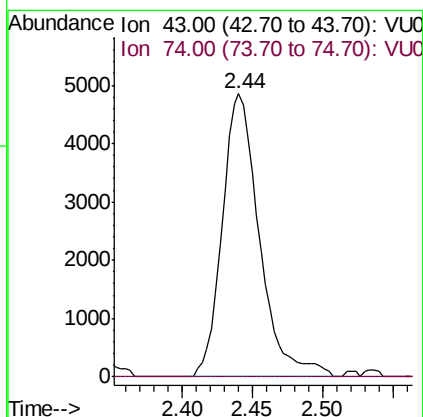
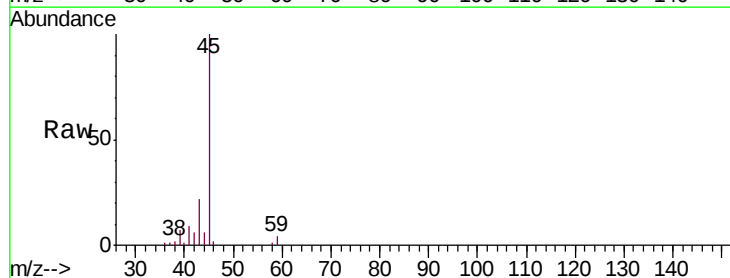
Instrument :
MSVOA_U
ClientSampleId :
SA-SW201-20180914

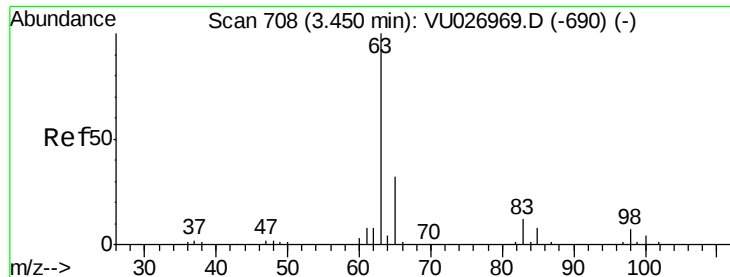
Tgt Ion: 76 Resp: 997
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 2.942 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027085.D
Acq: 23 Sep 2018 20:20

Tgt Ion: 43 Resp: 8939
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#





#24

1,1-Dichloroethane

Concen: 0.739 ug/l

RT: 3.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

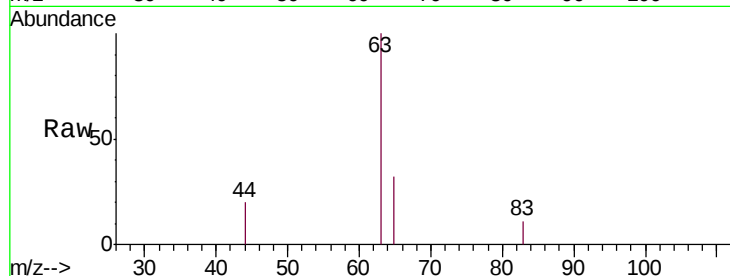
Tgt Ion: 63 Resp: 2586

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.0 5.8#

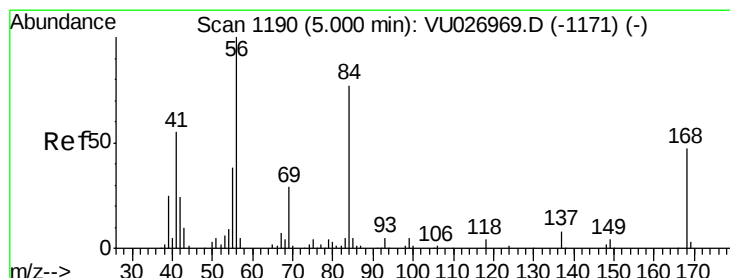
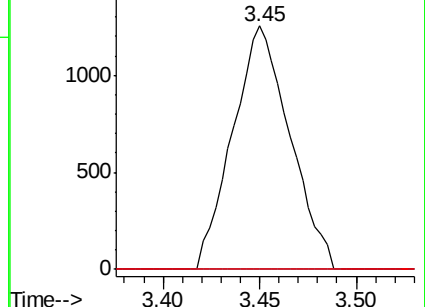
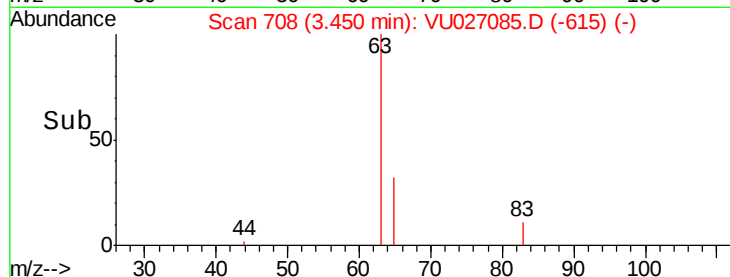


Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

Time-->



#31

Cyclohexane

Concen: 0.290 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

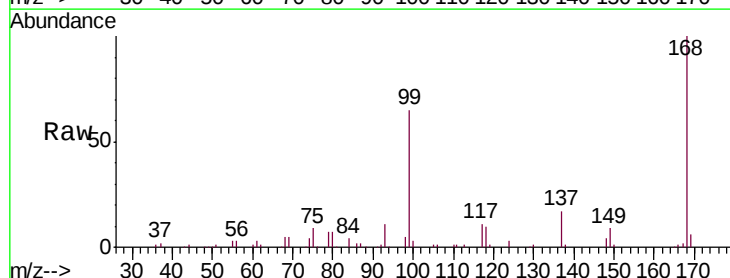
Tgt Ion: 56 Resp: 2743

Ion Ratio Lower Upper

56 100

69 164.4 23.0 34.4#

84 142.7 61.4 92.2#

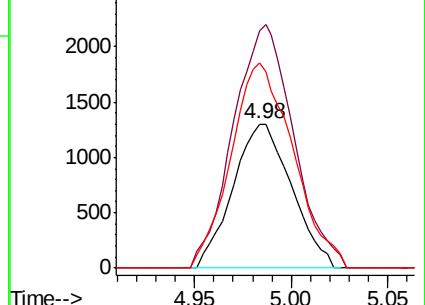
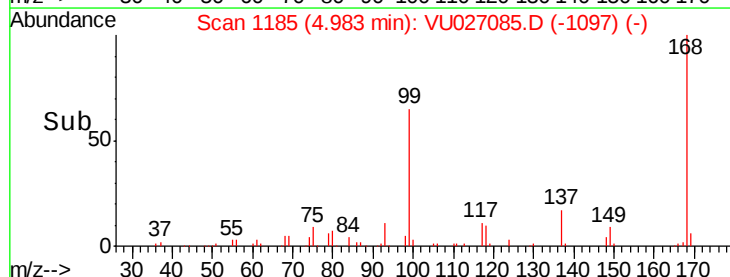


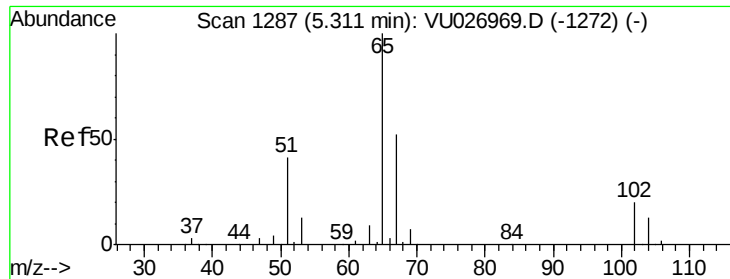
Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

Time-->

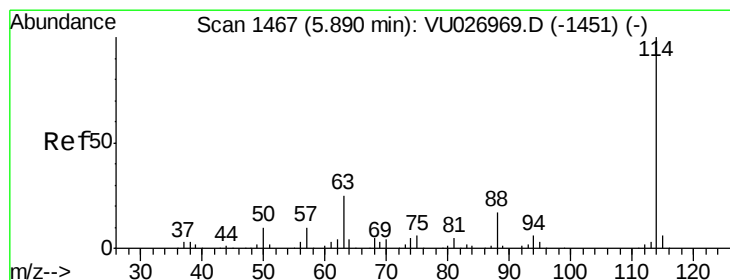
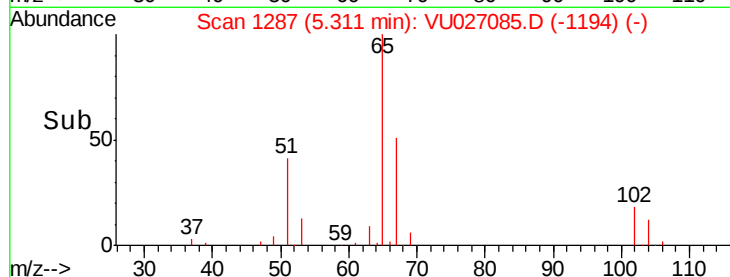
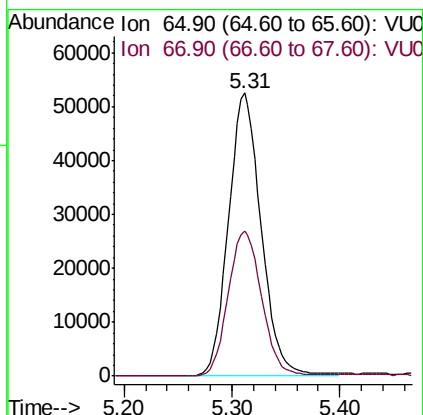
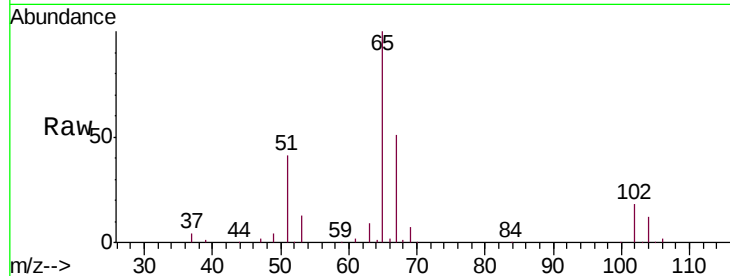




#33
 1,2-Dichloroethane-d4
 Concen: 52.048 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027085.D
 Acq: 23 Sep 2018 20:20

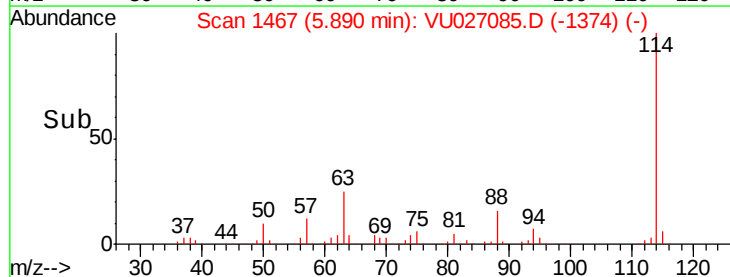
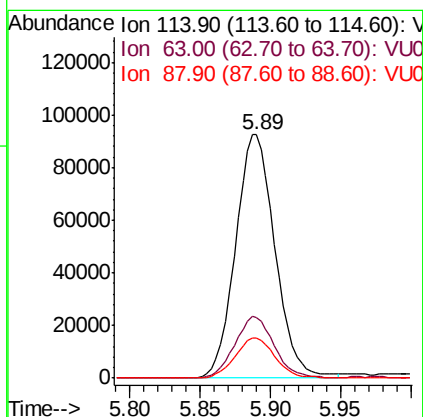
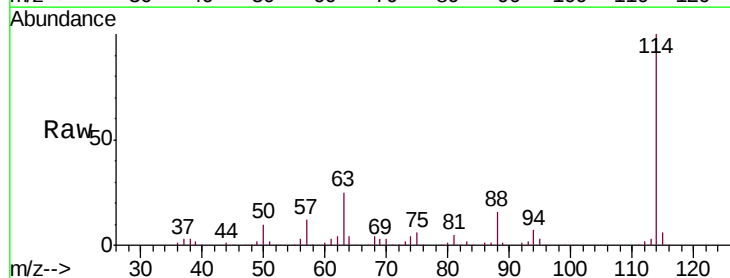
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW201-20180914

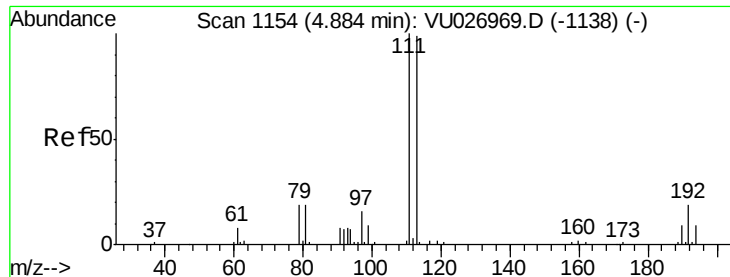
Tgt Ion: 65 Resp: 111108
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027085.D
 Acq: 23 Sep 2018 20:20

Tgt Ion: 114 Resp: 181286
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.5 0.0 33.8

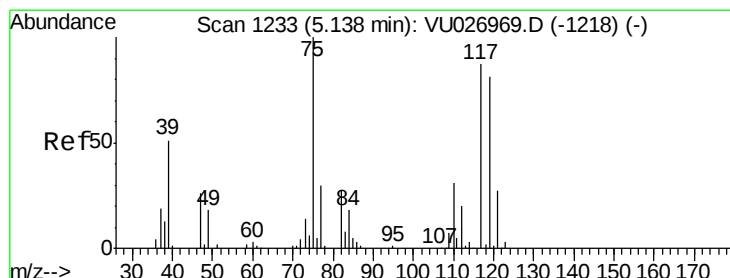
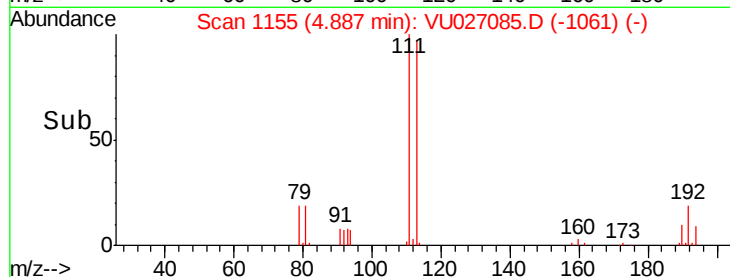
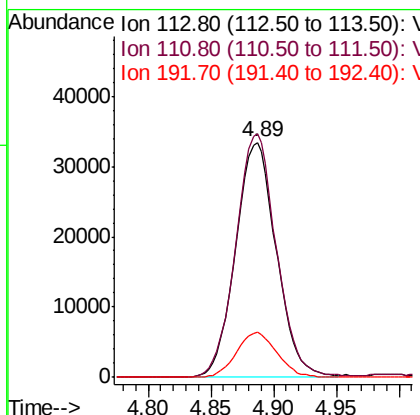
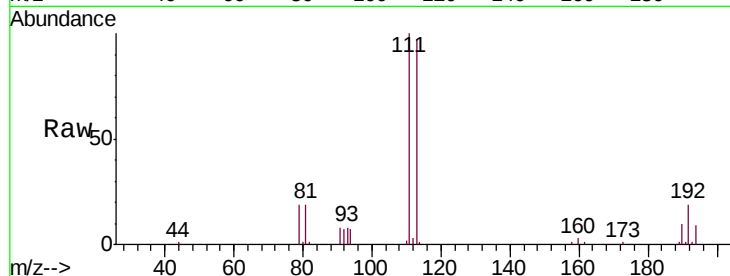




#35
 Dibromofluoromethane
 Concen: 47.965 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027085.D
 Acq: 23 Sep 2018 20:20

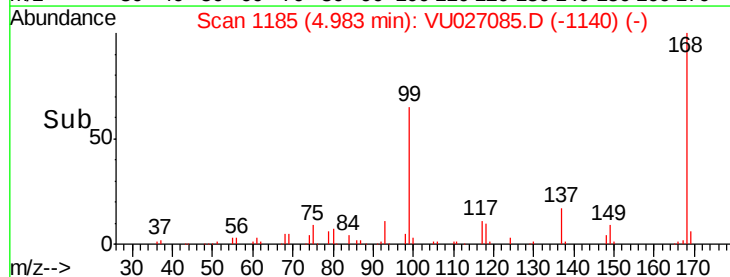
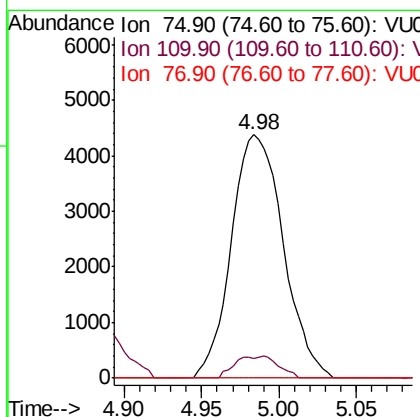
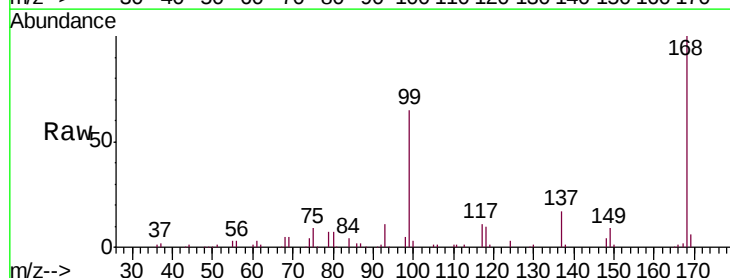
Instrument :
 MSVOA_U
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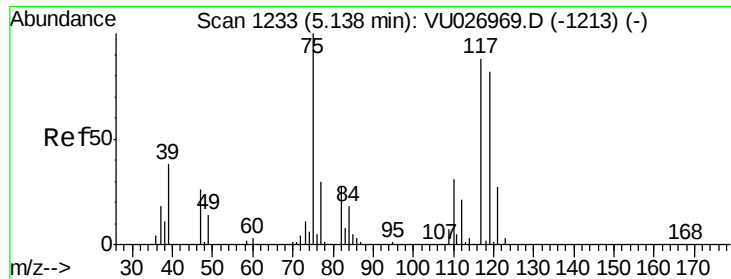
Tgt Ion:113 Resp: 75372
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.2 123.4
 192 19.0 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.212 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027085.D
 Acq: 23 Sep 2018 20:20

Tgt Ion: 75 Resp: 10190
 Ion Ratio Lower Upper
 75 100
 110 3.7 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.805 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

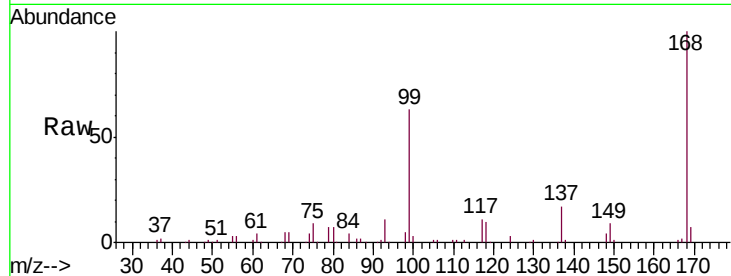
Tgt Ion:117 Resp: 11064

Ion Ratio Lower Upper

117 100

119 4.6 74.4 111.6#

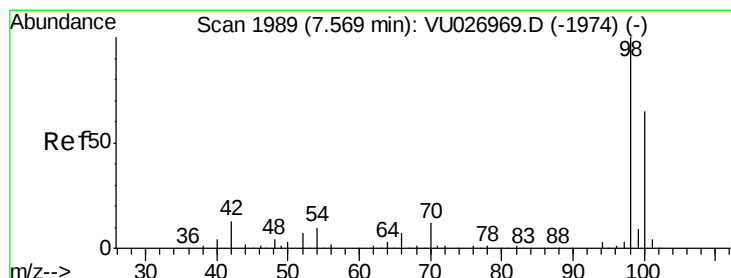
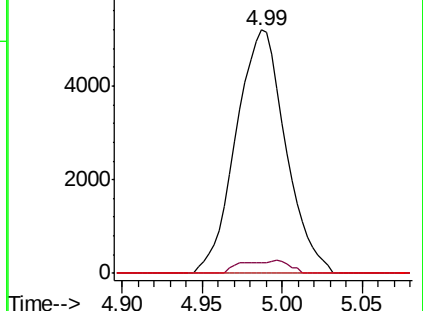
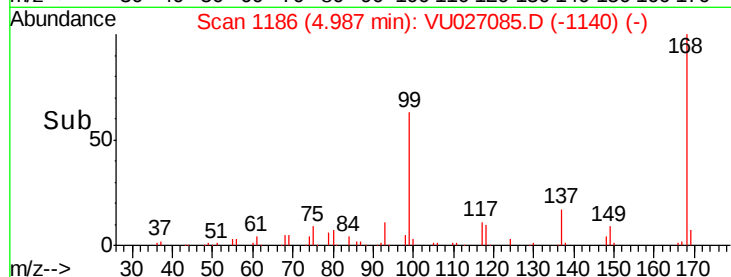
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.517 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VU027085.D

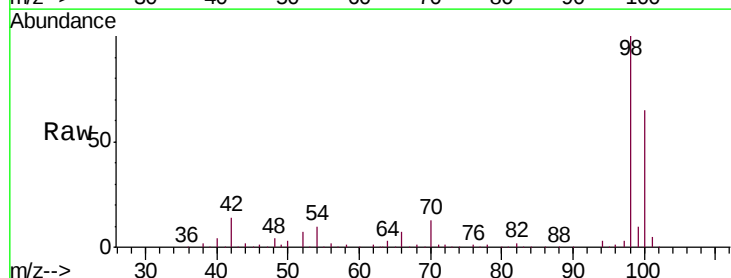
Acq: 23 Sep 2018 20:20

Tgt Ion: 98 Resp: 290553

Ion Ratio Lower Upper

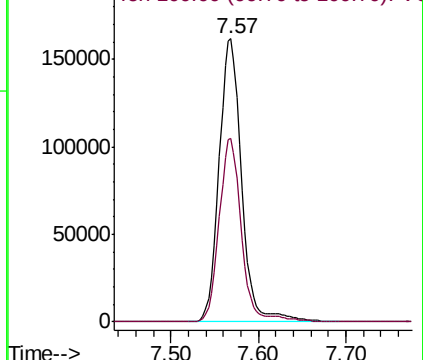
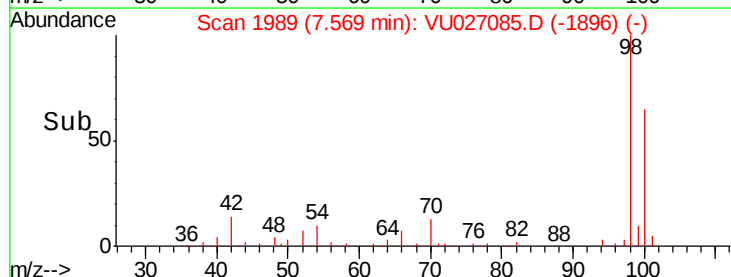
98 100

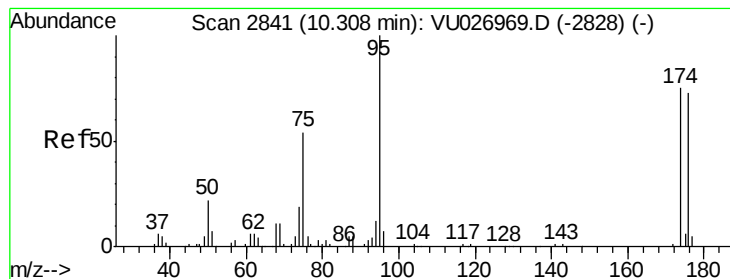
100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.984 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

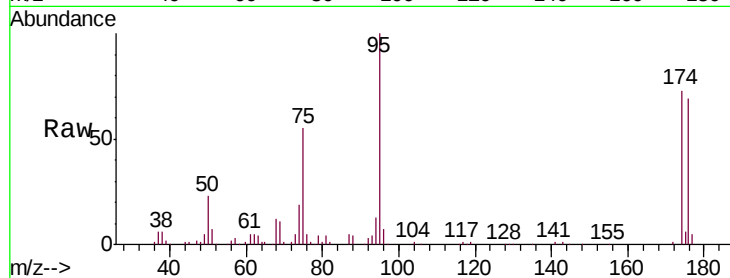
Tgt Ion: 95 Resp: 92438

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.2

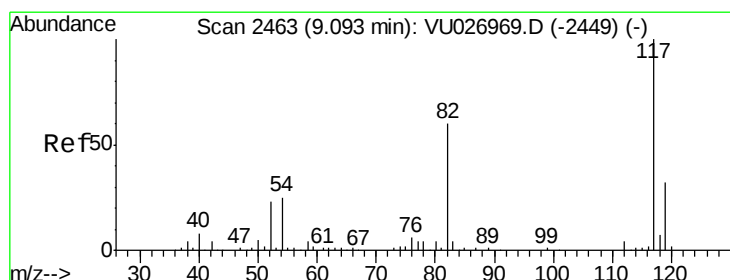
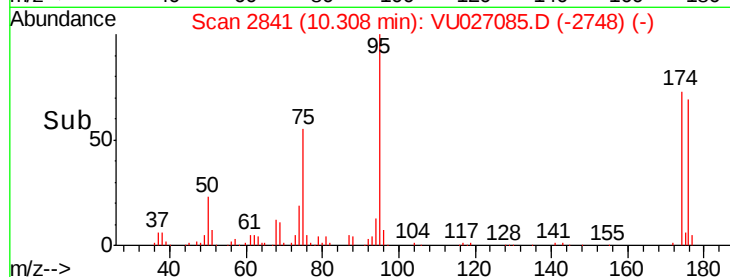
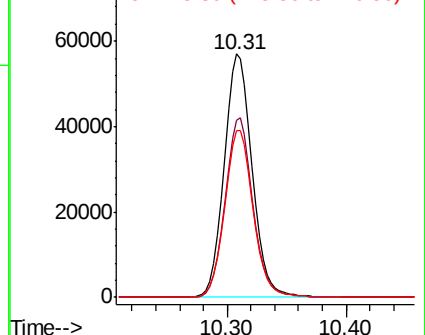
176 69.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

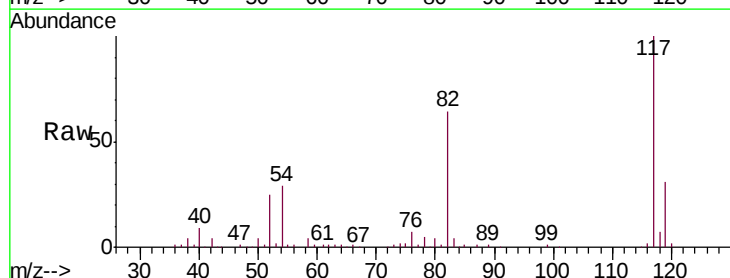
Tgt Ion: 117 Resp: 172579

Ion Ratio Lower Upper

117 100

82 63.9 48.0 72.0

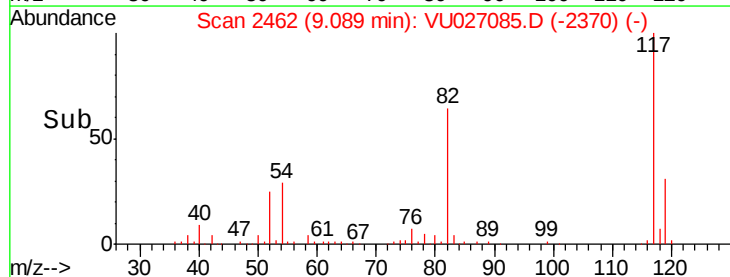
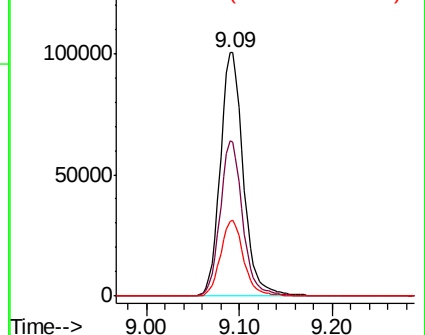
119 30.6 25.8 38.8

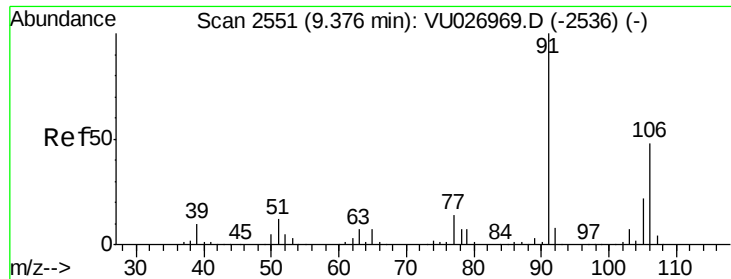


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)

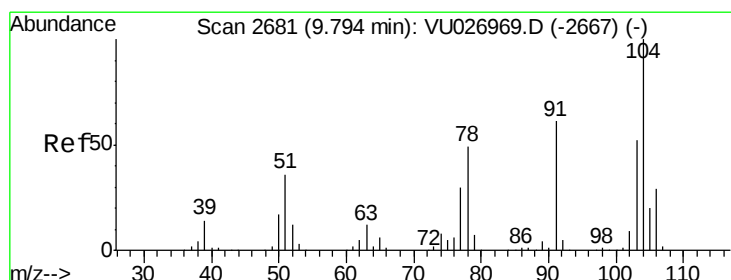
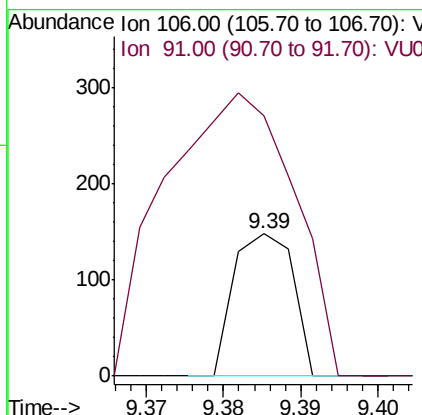
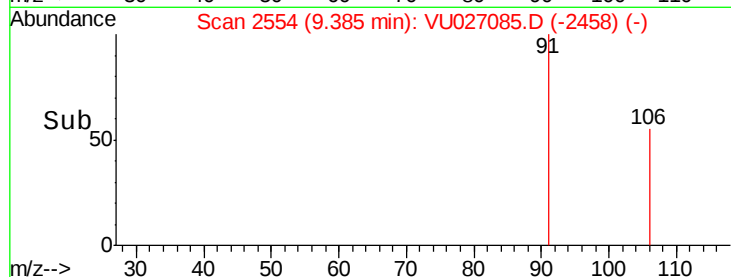
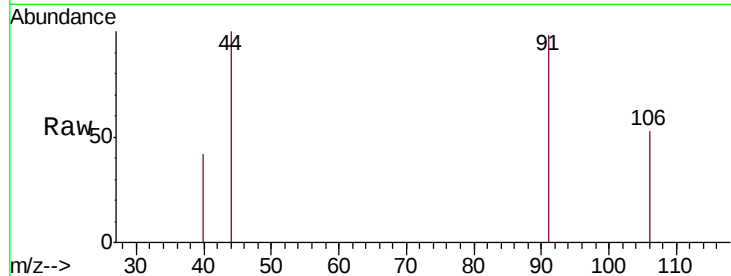




#68
m/p-Xylenes
Concen: 1.526 ug/l
RT: 9.39 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VU027085.D
Acq: 23 Sep 2018 20:20

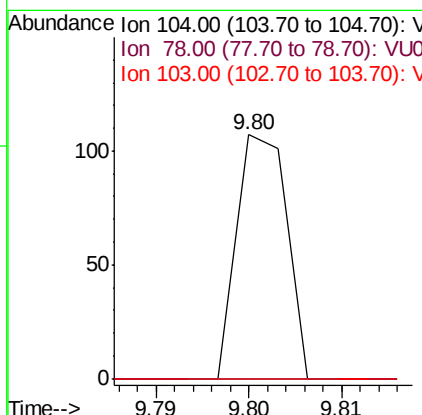
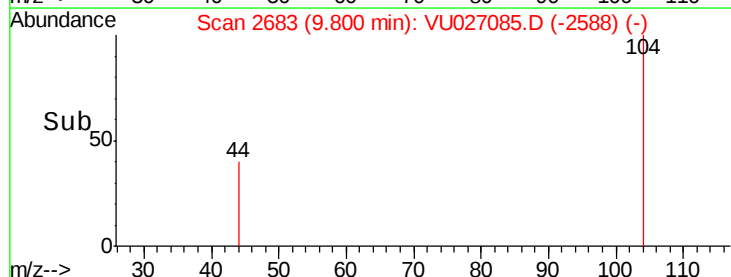
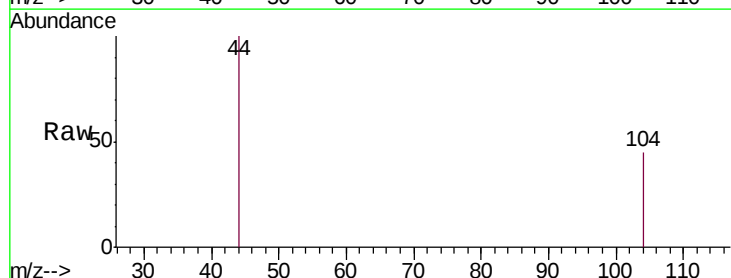
Instrument :
MSVOA_U
ClientSampleId :
SA-SW201-20180914

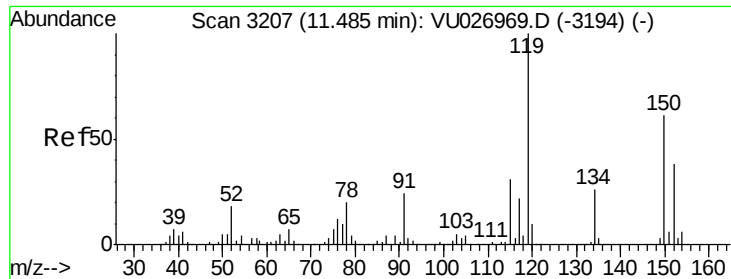
Tgt Ion:106 Resp: 79
Ion Ratio Lower Upper
106 100
91 434.2 166.5 249.7#



#70
Styrene
Concen: 1.818 ug/l
RT: 9.80 min Scan# 2683
Delta R.T. 0.01 min
Lab File: VU027085.D
Acq: 23 Sep 2018 20:20

Tgt Ion:104 Resp: 40
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 0.0 44.1 66.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

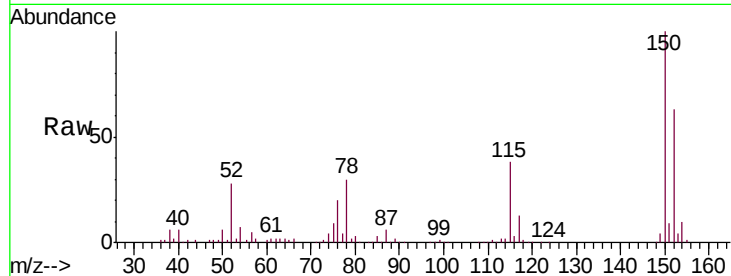
Tgt Ion:152 Resp: 77554

Ion Ratio Lower Upper

152 100

115 62.1 44.9 134.5

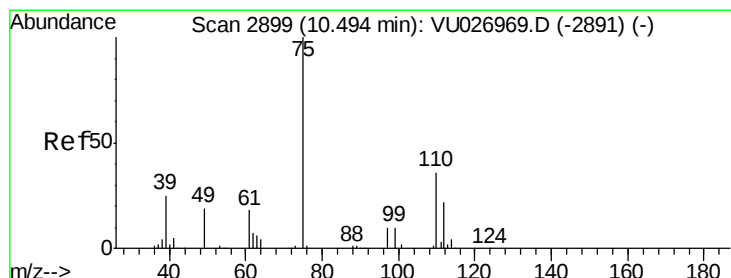
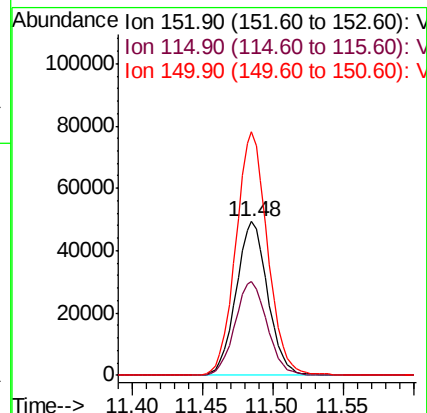
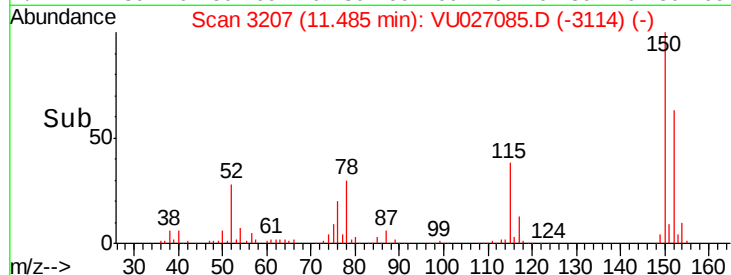
150 158.3 0.0 355.8



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: 21.437 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027085.D

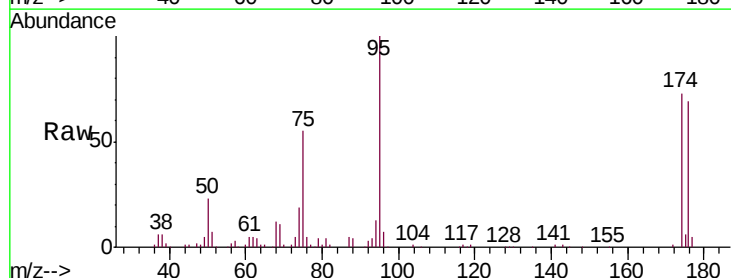
Acq: 23 Sep 2018 20:20

Tgt Ion: 75 Resp: 50506

Ion Ratio Lower Upper

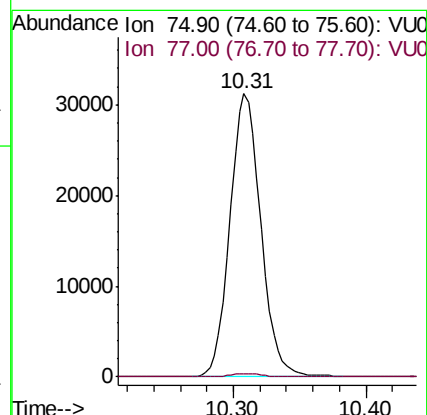
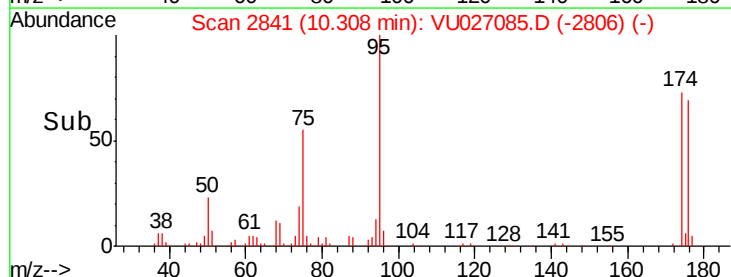
75 100

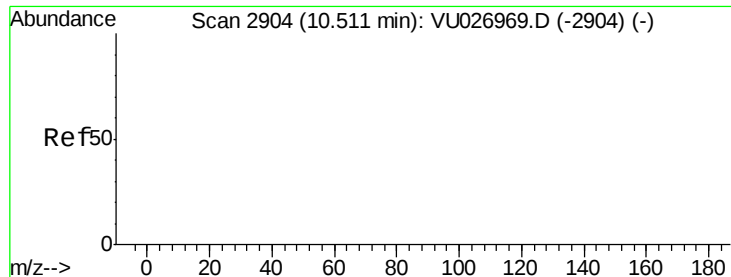
77 1.0 20.9 62.8#



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: 68.601 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

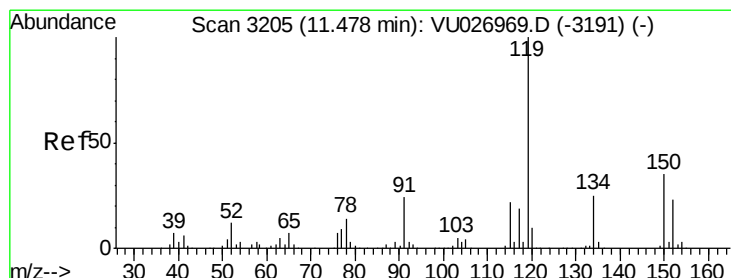
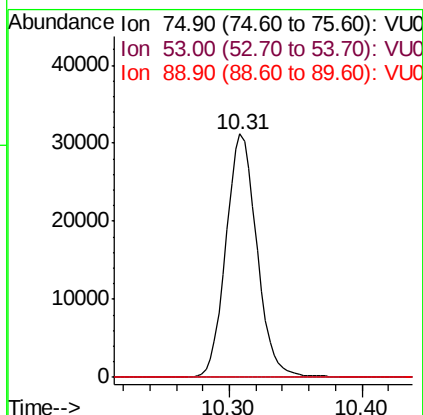
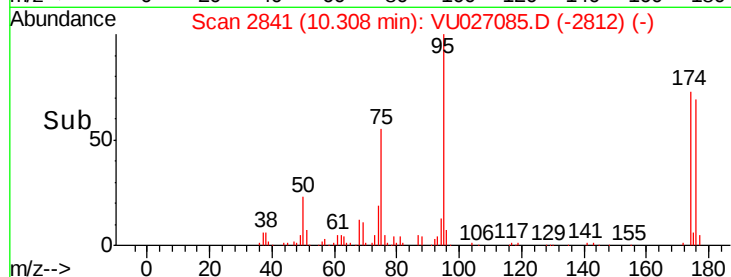
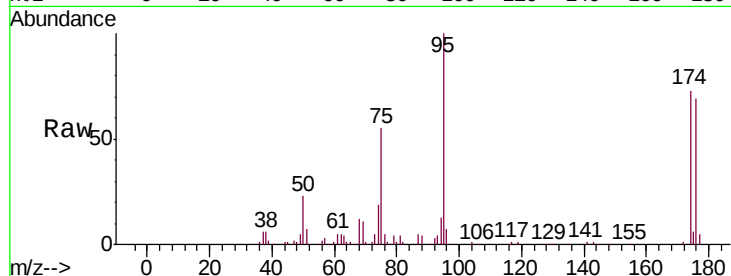
Tgt Ion: 75 Resp: 50506

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#86

p-Isopropyltoluene

Concen: 0.965 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

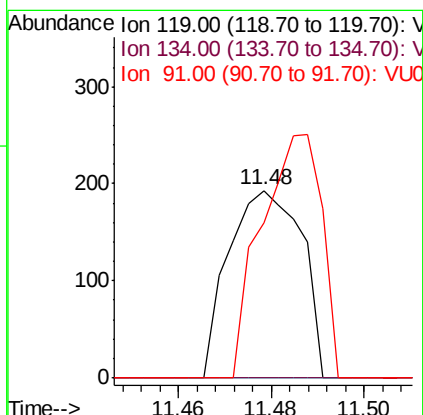
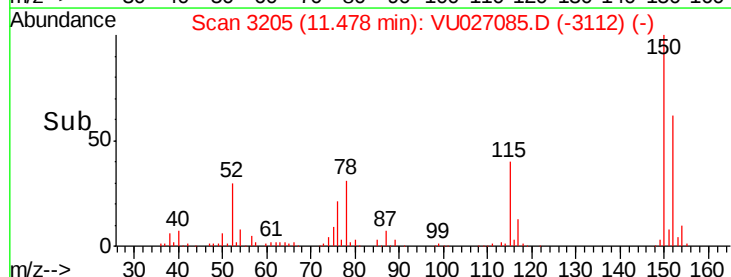
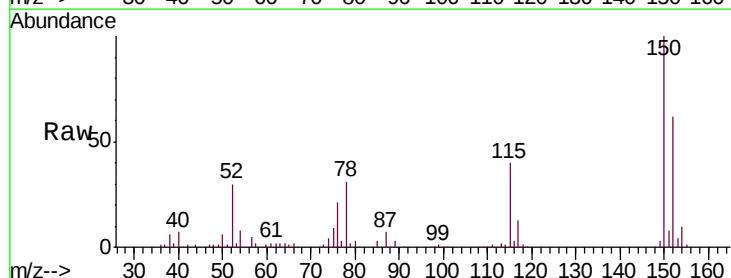
Tgt Ion: 119 Resp: 212

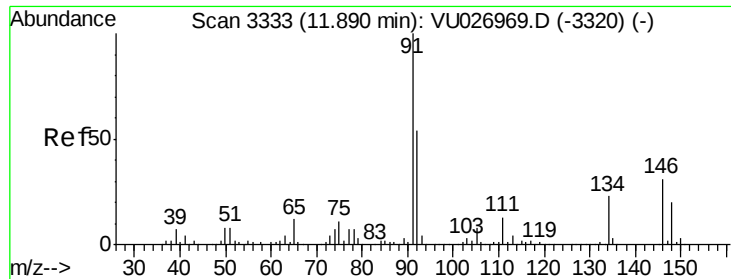
Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

91 106.1 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.459 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SA-SW201-20180914

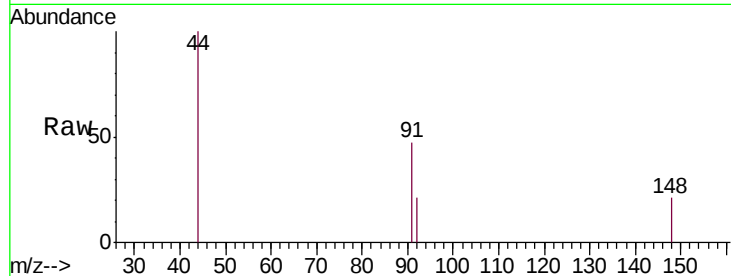
Tgt Ion: 91 Resp: 373

Ion Ratio Lower Upper

91 100

92 23.6 27.1 81.2#

134 0.0 11.7 35.0#

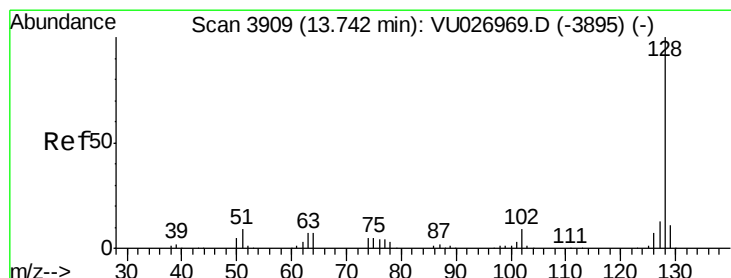
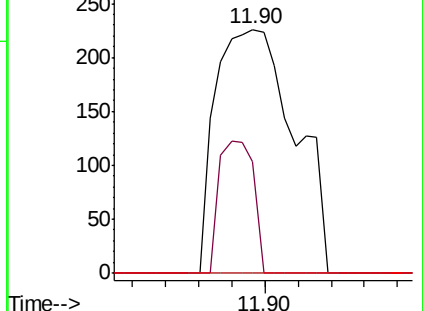
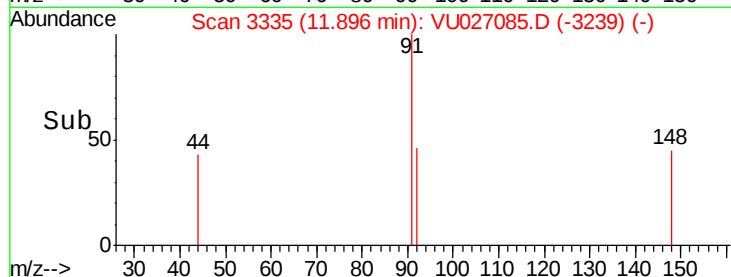


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->



#95

Naphthalene

Concen: 1.751 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027085.D

Acq: 23 Sep 2018 20:20

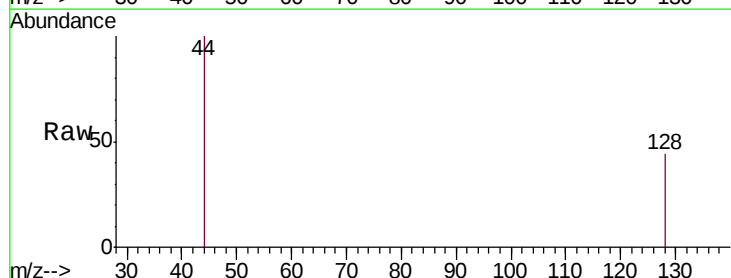
Tgt Ion: 128 Resp: 410

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->

