

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027397.D
 Acq On : 04 Oct 2018 10:50
 Operator : MD/SY
 Sample : J5084-10 50X
 Misc : 5.85g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B-12(7-7.5)

Quant Time: Oct 05 03:12:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	98725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	165595	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81443	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	96901	58.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.56%	
35) Dibromofluoromethane	4.88	113	67744	59.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.38%	
50) Toluene-d8	7.57	98	255919	60.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.50%	
62) 4-Bromofluorobenzene	10.31	95	89106	56.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.90%	

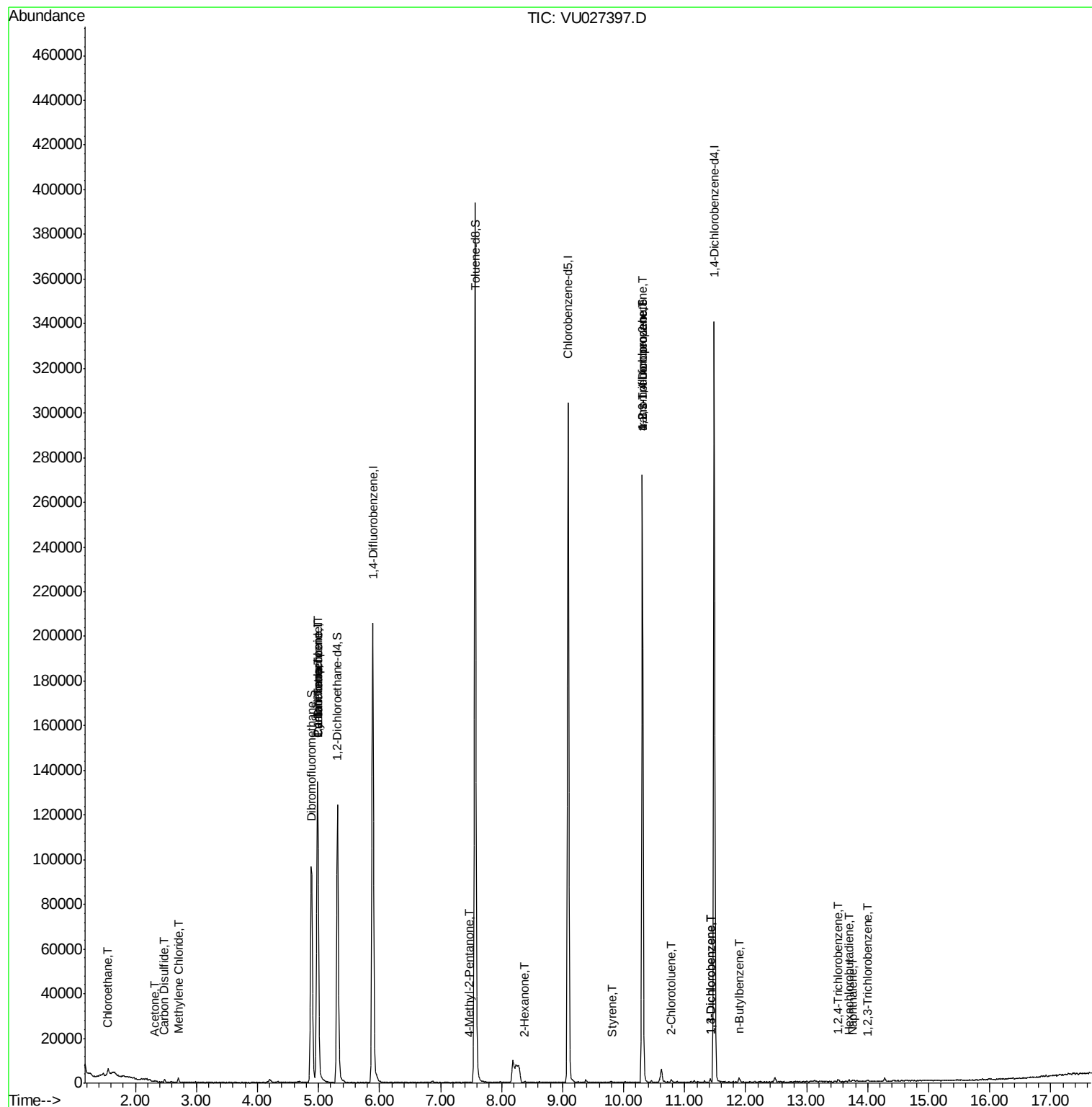
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.53	64	310	0.285	ug/l #	44
16) Acetone	2.32	43	486	0.499	ug/l #	44
17) Carbon Disulfide	2.48	76	1459	0.388	ug/l #	91
20) Methylene Chloride	2.70	84	718	0.529	ug/l	88
31) Cyclohexane	4.98	56	2522	0.719	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8870	4.933	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10004	6.160	ug/l #	18
51) 4-Methyl-2-Pentanone	7.47	43	485	0.207	ug/l #	38
59) 2-Hexanone	8.38	43	583	0.320	ug/l #	52
70) Styrene	9.80	104	297	2.373	ug/l #	45
76) 1,2,3-Trichloropropane	10.31	75	47854	22.667	ug/l #	36
79) 2-Chlorotoluene	10.78	91	889	0.207	ug/l	77
81) trans-1,4-Dichloro-2-buten	10.31	75	47854	59.322	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	730	0.280	ug/l	85
88) 1,4-Dichlorobenzene	11.42	146	730	0.274	ug/l	85
89) n-Butylbenzene	11.89	91	1153	2.157	ug/l	87
93) 1,2,4-Trichlorobenzene	13.51	180	507	0.309	ug/l #	74
94) Hexachlorobutadiene	13.69	225	326	0.394	ug/l #	70
95) Naphthalene	13.76	128	1238	1.854	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.99	180	440	0.258	ug/l #	65

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

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QLast Update : Tue Oct 02 02:04:34 2018
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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: VU027397.D

Acq: 04 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

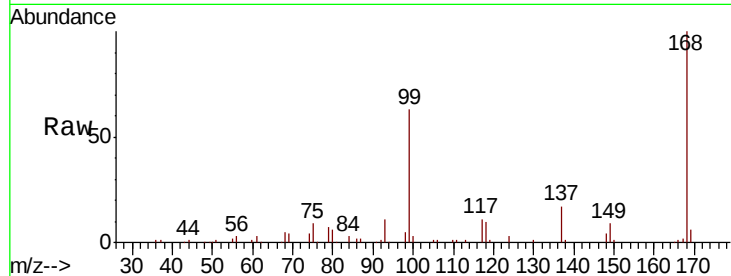
B-12(7-7.5)

Tgt Ion:168 Resp: 98725

Ion Ratio Lower Upper

168 100

99 63.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027397.D (-1092) (-)

4.99

50000

40000

30000

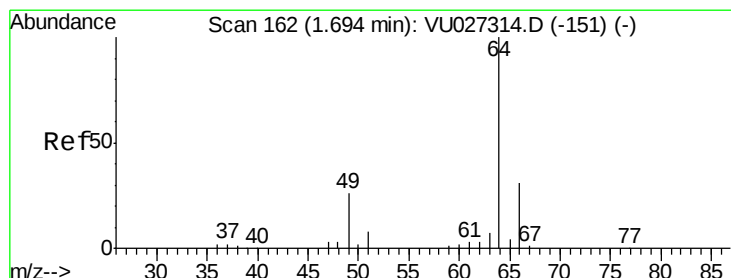
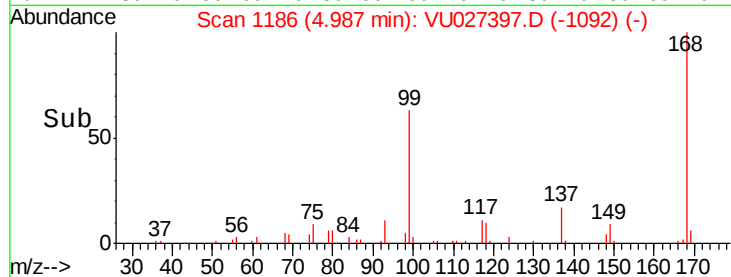
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#6

Chloroethane

Concen: 0.285 ug/l

RT: 1.53 min Scan# 111

Delta R.T. -0.16 min

Lab File: VU027397.D

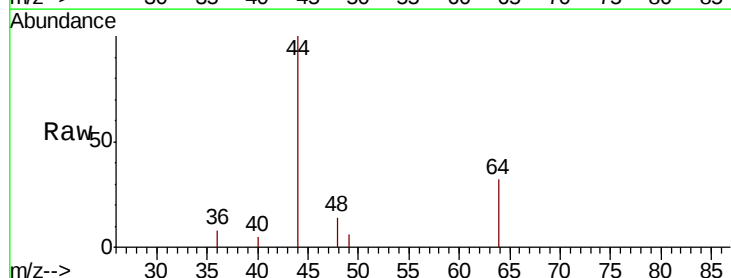
Acq: 04 Oct 2018 10:50

Tgt Ion: 64 Resp: 310

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027397.D (-69) (-)

1.53

800

600

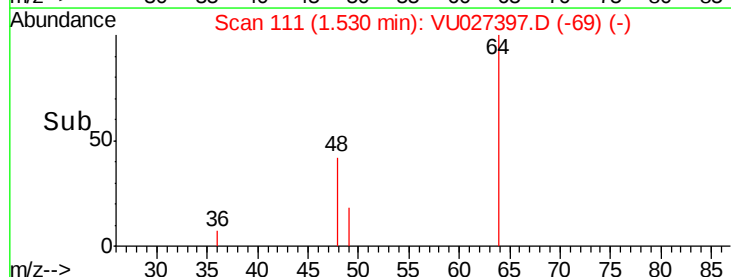
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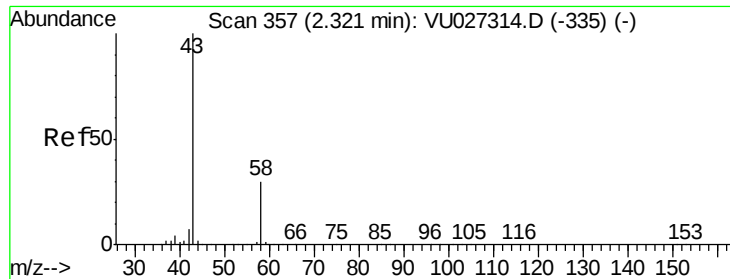
200

0

Time-->

1.50 1.51 1.52 1.53 1.54





#16

Acetone

Concen: 0.499 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027397.D

Acq: 04 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

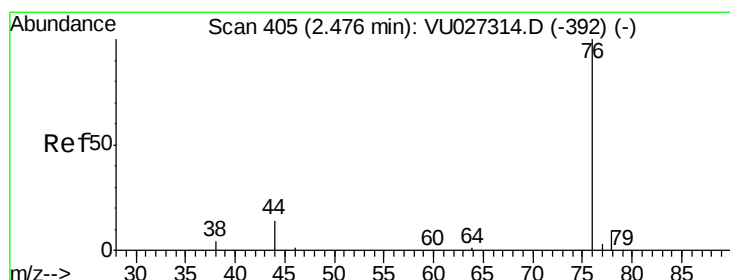
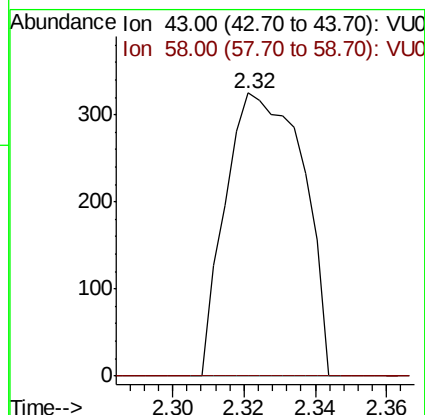
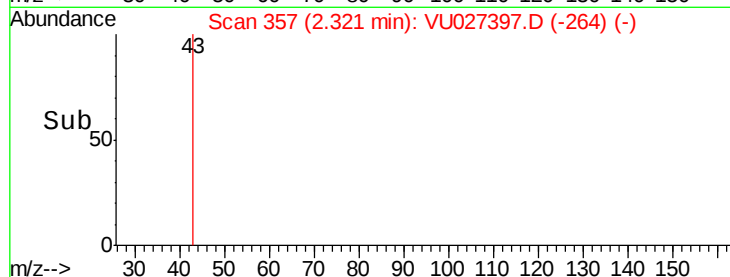
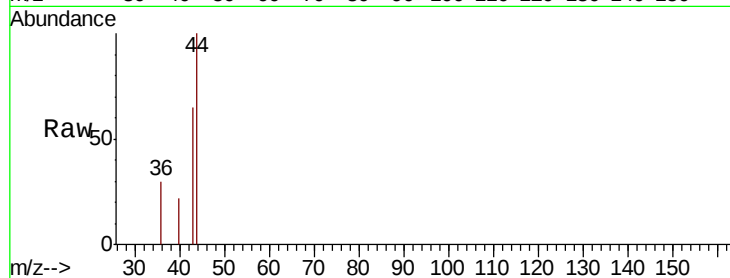
B-12(7-7.5)

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#



#17

Carbon Disulfide

Concen: 0.388 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027397.D

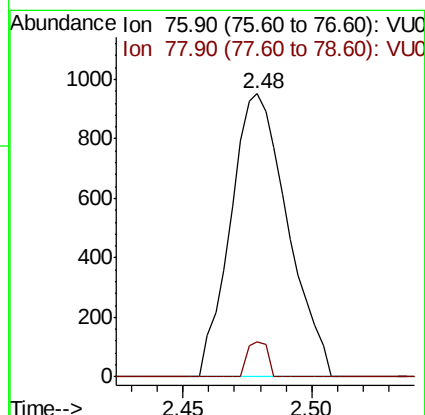
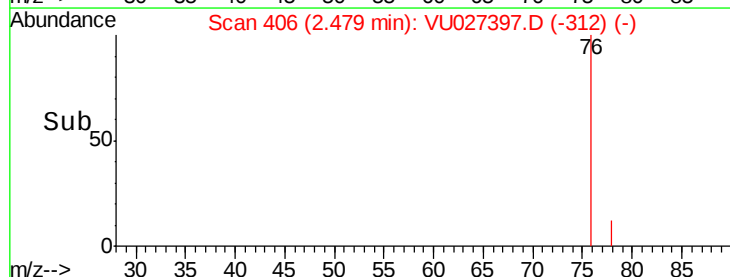
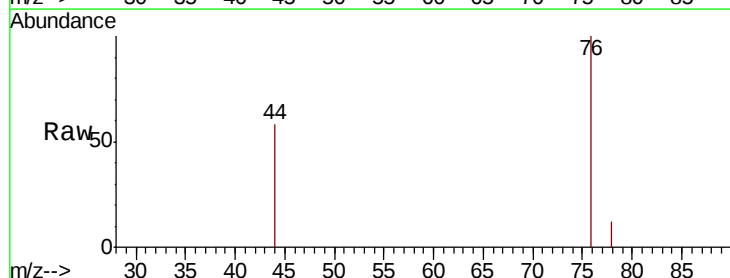
Acq: 04 Oct 2018 10:50

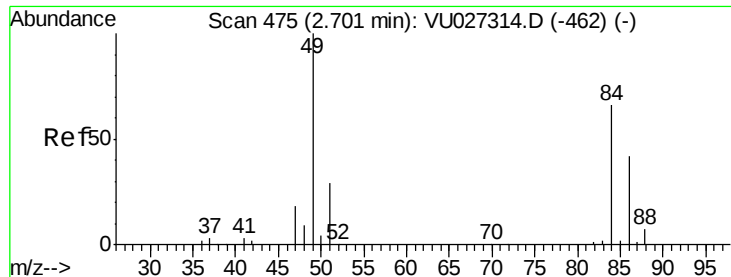
Tgt Ion: 76 Resp: 1459

Ion Ratio Lower Upper

76 100

78 12.3 7.3 10.9#



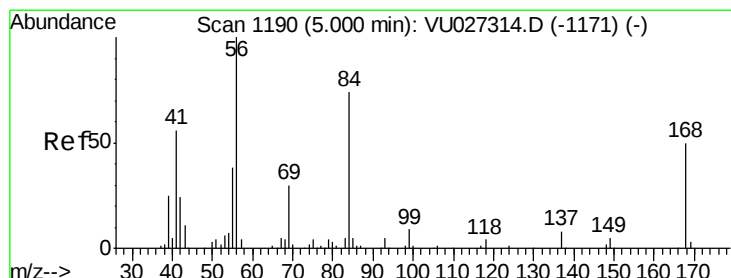
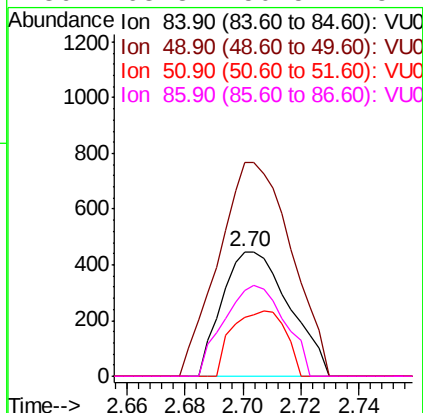
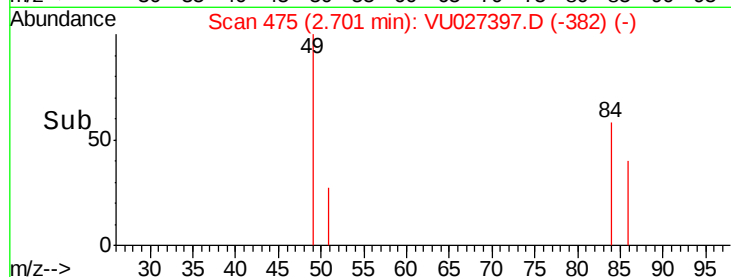
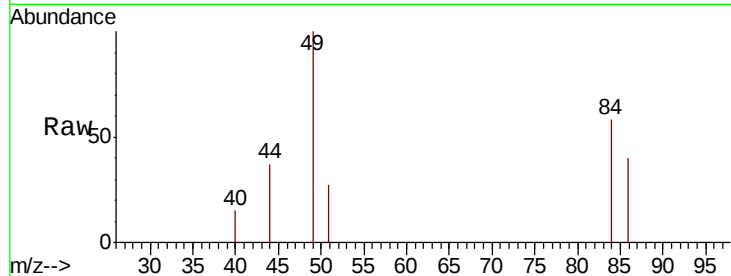


#20
Methylene Chloride
Concen: 0.529 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Instrument :
MSVOA_U
ClientSampleId :
B-12(7-7.5)

Tgt Ion: 84 Resp: 718

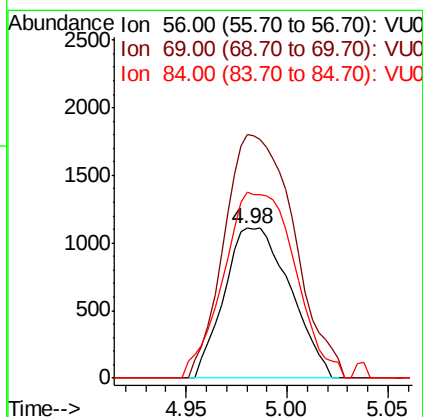
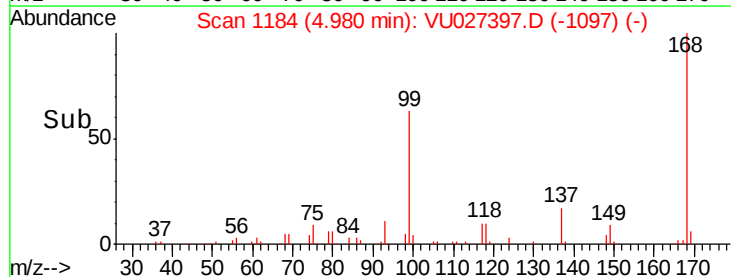
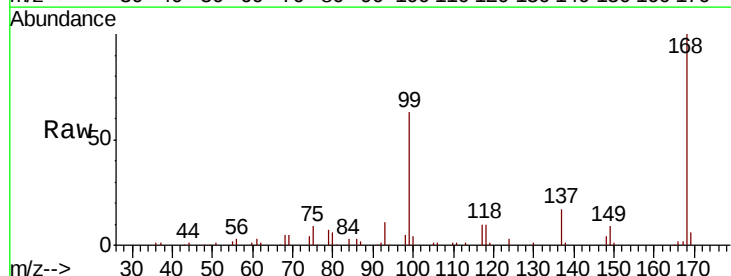
Ion	Ratio	Lower	Upper
84	100		
49	171.0	120.5	180.7
51	46.9	35.1	52.7
86	68.8	50.5	75.7

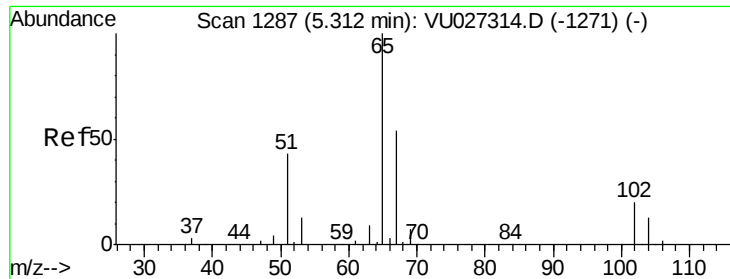


#31
Cyclohexane
Concen: 0.719 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Tgt Ion: 56 Resp: 2522

Ion	Ratio	Lower	Upper
56	100		
69	162.7	24.1	36.1#
84	113.1	59.1	88.7#

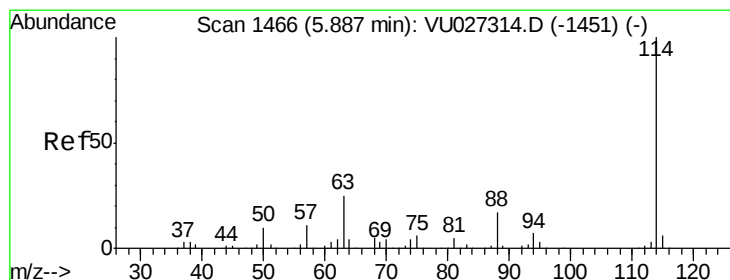
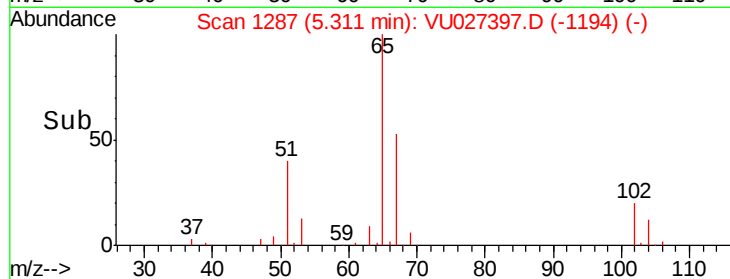
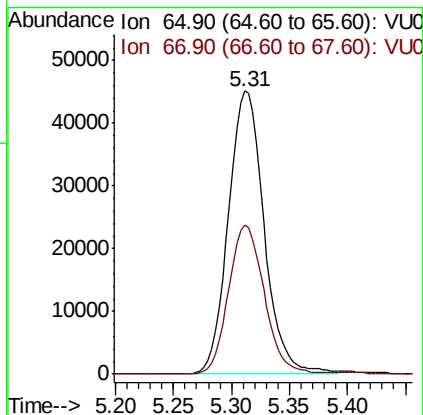
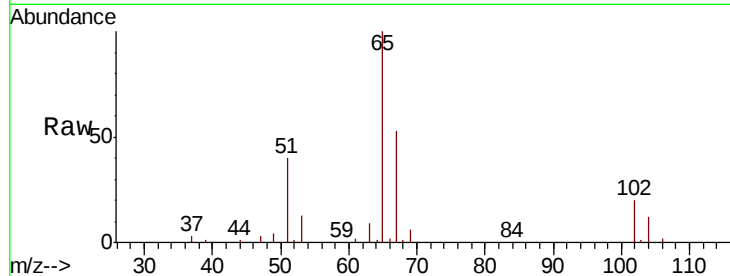




#33
 1,2-Dichloroethane-d4
 Concen: 58.780 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

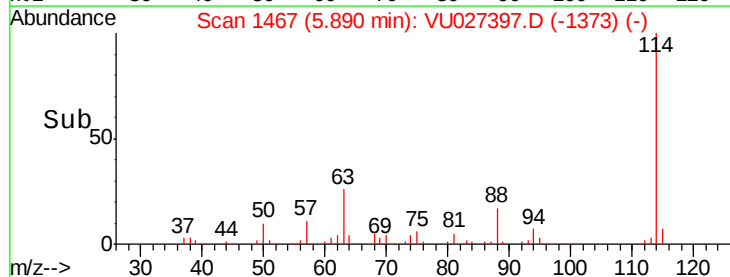
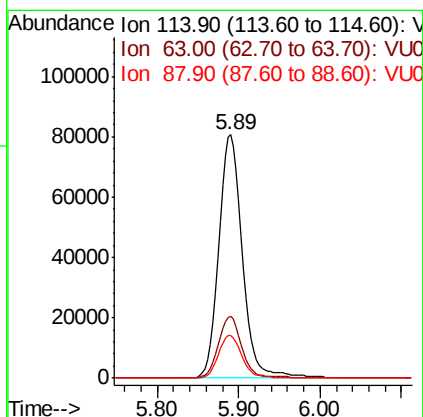
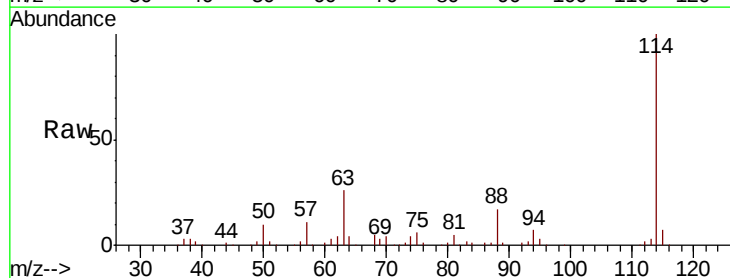
Instrument :
 MSVOA_U
 ClientSampleId :
 B-12(7-7.5)

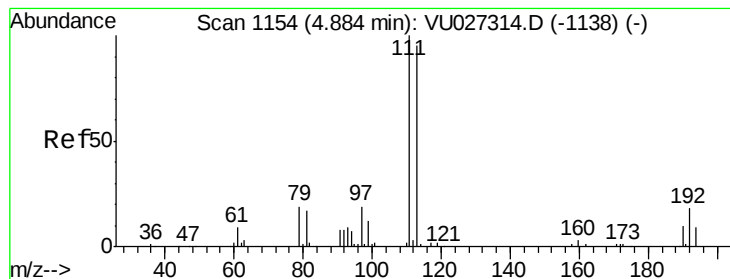
Tgt Ion: 65 Resp: 96901
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

Tgt Ion: 114 Resp: 165595
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 50.2
 88 17.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 59.693 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027397.D

Acq: 04 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

B-12(7-7.5)

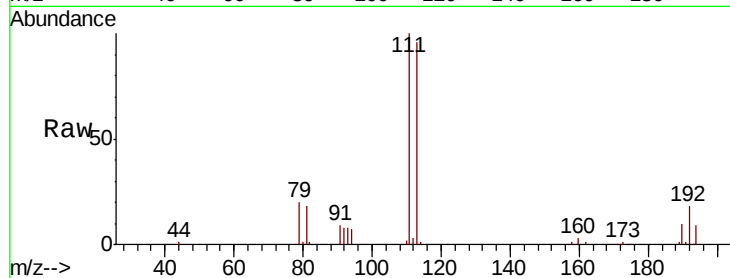
Tgt Ion:113 Resp: 67744

Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

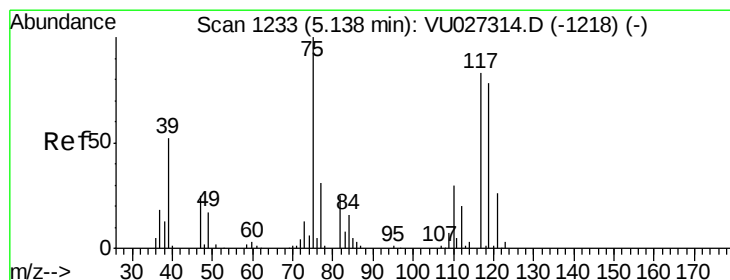
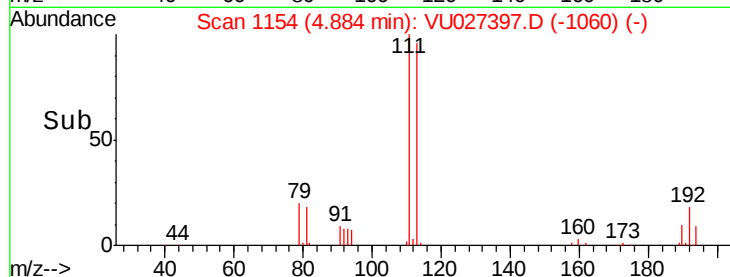
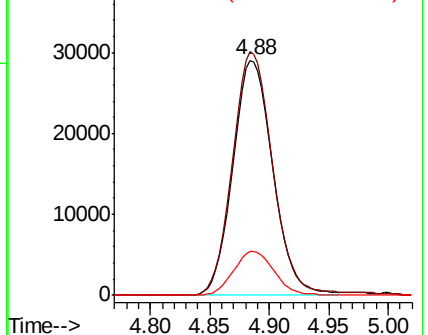
192 18.8 15.4 23.0



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: 4.933 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027397.D

Acq: 04 Oct 2018 10:50

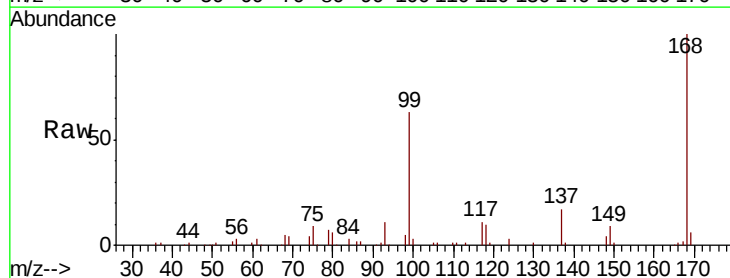
Tgt Ion: 75 Resp: 8870

Ion Ratio Lower Upper

75 100

110 7.4 15.5 46.5#

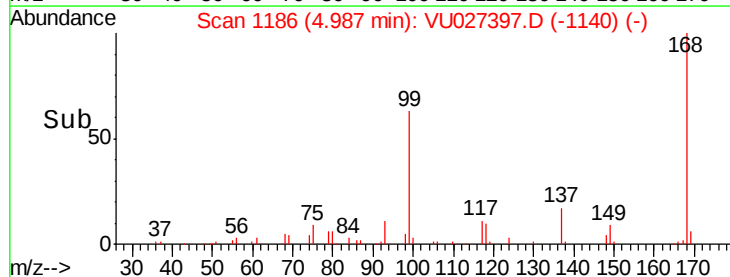
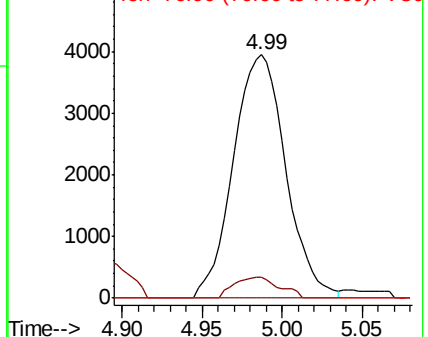
77 0.0 25.4 38.0#

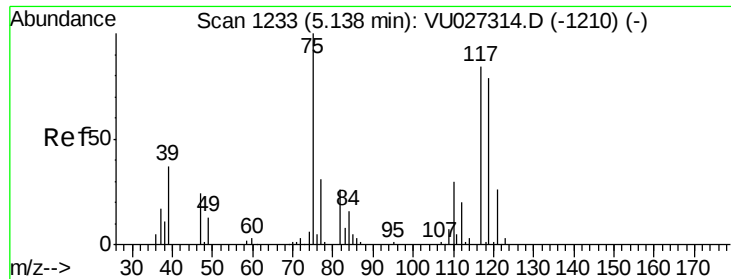


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

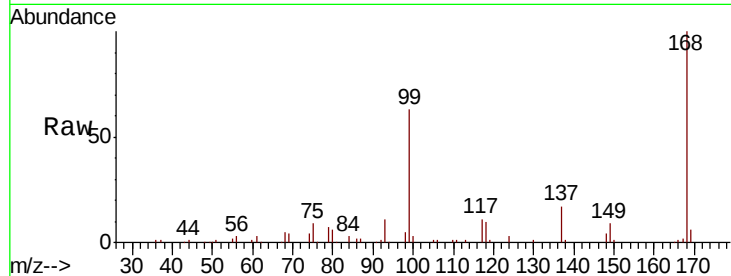




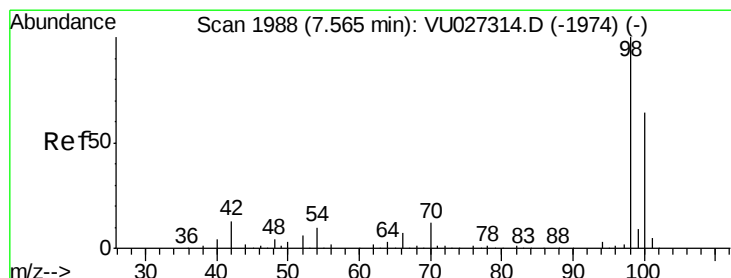
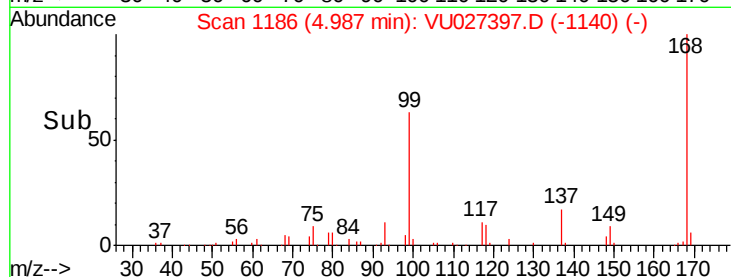
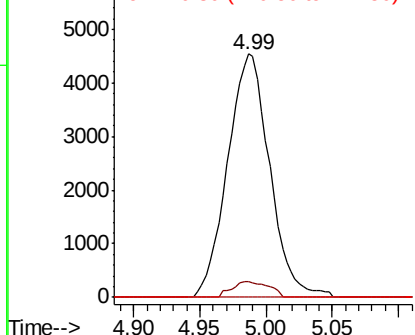
#38
Carbon Tetrachloride
Concen: 6.160 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Instrument :
MSVOA_U
ClientSampleId :
B-12(7-7.5)

Tgt Ion:117 Resp: 10004
Ion Ratio Lower Upper
117 100
119 6.3 74.5 111.7#
121 0.0 24.6 37.0#

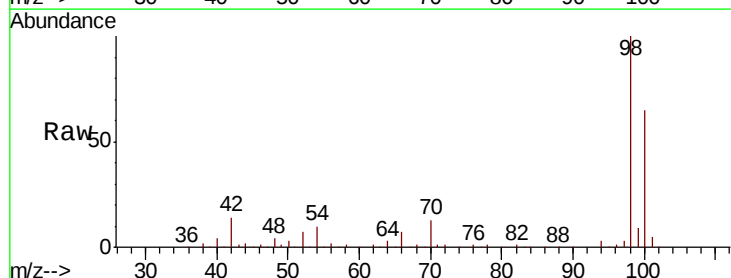


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

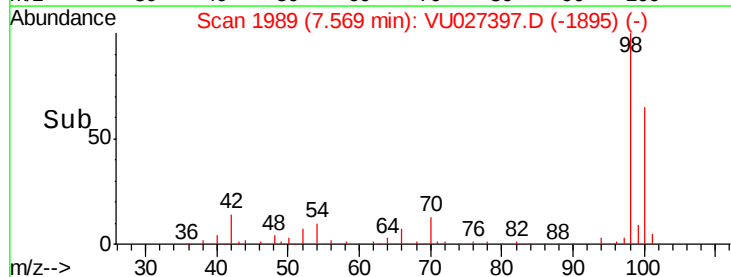
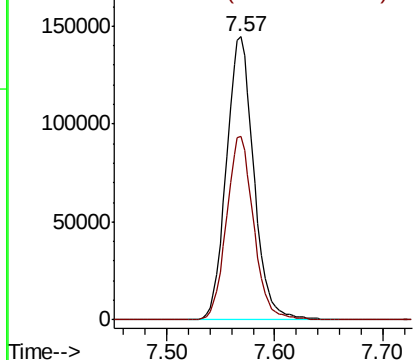


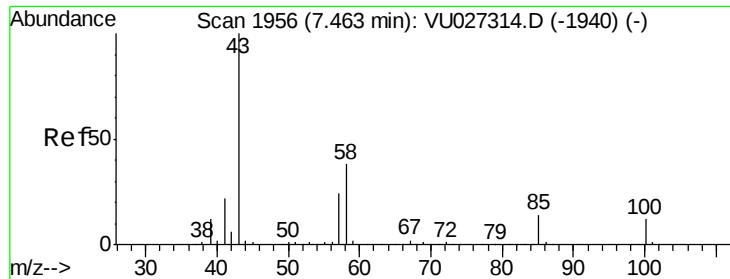
#50
Toluene-d8
Concen: 60.252 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Tgt Ion: 98 Resp: 255919
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



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

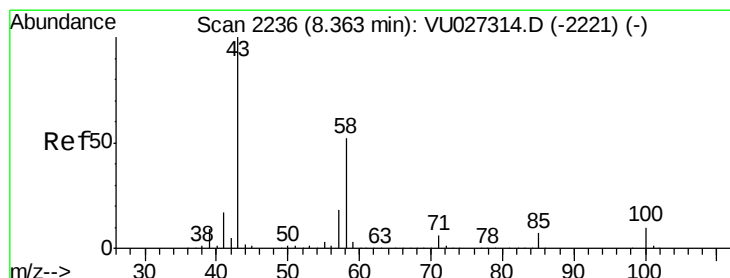
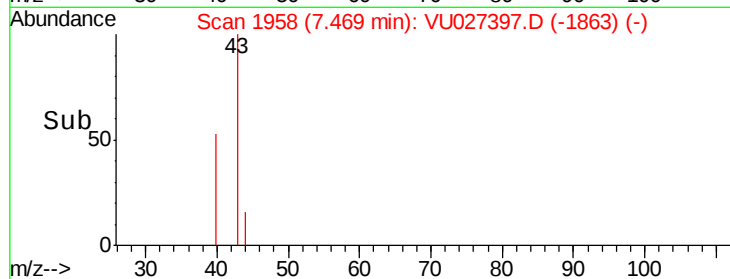
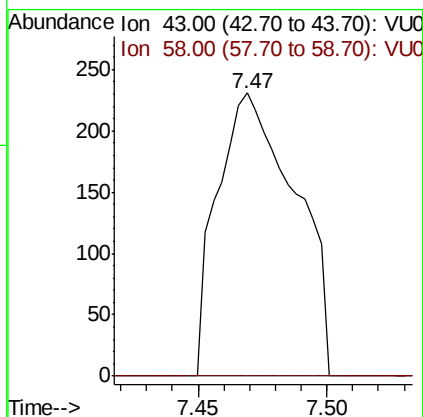
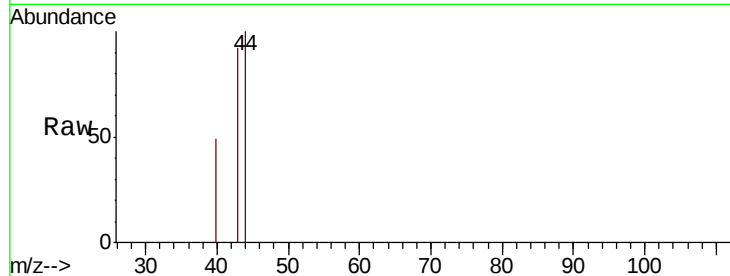




#51
 4-Methyl-2-Pentanone
 Concen: 0.207 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

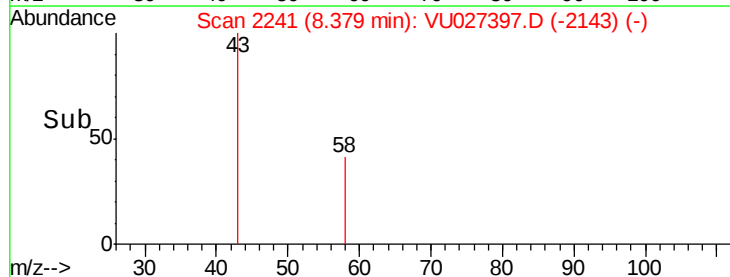
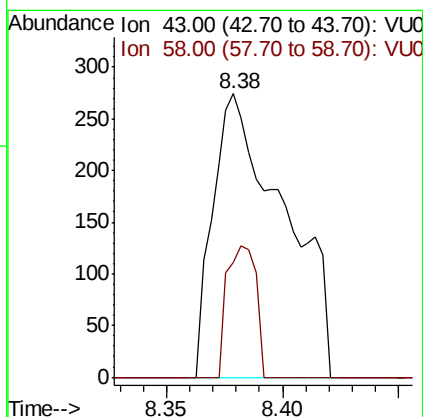
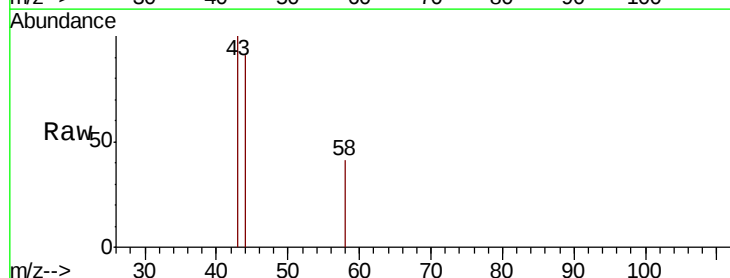
Instrument :
 MSVOA_U
 ClientSampleId :
 B-12(7-7.5)

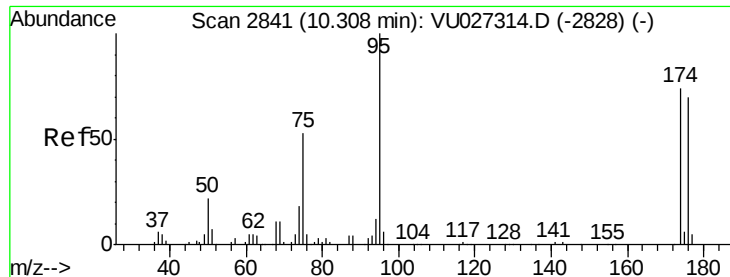
Tgt Ion: 43 Resp: 485
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.8#



#59
 2-Hexanone
 Concen: 0.320 ug/l
 RT: 8.38 min Scan# 2241
 Delta R.T. 0.02 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

Tgt Ion: 43 Resp: 583
 Ion Ratio Lower Upper
 43 100
 58 18.7 26.1 78.3#

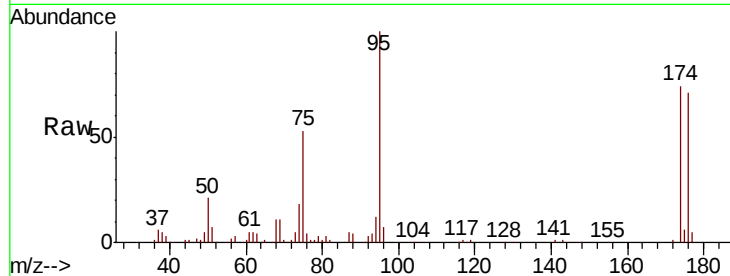




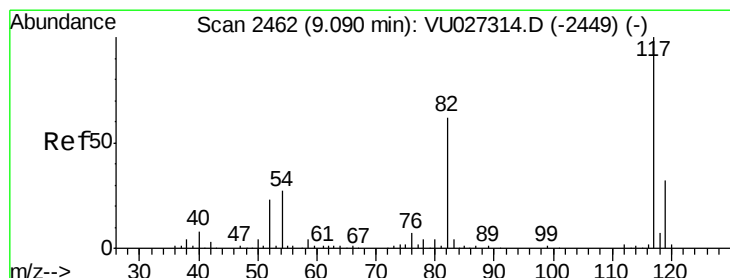
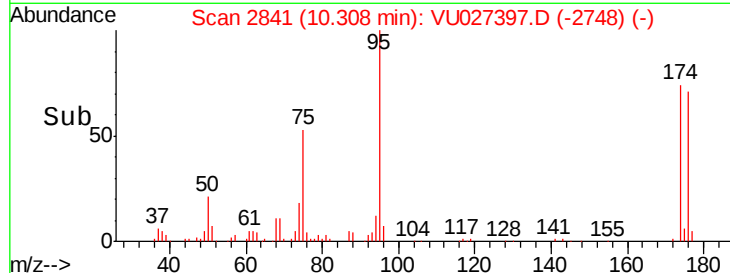
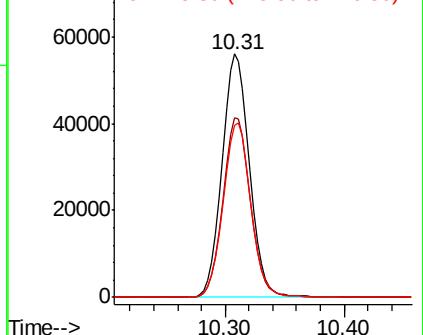
#62
 4-Bromofluorobenzene
 Concen: 56.449 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 B-12(7-7.5)

Tgt Ion: 95 Resp: 89106
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 147.8
 176 72.3 0.0 140.8

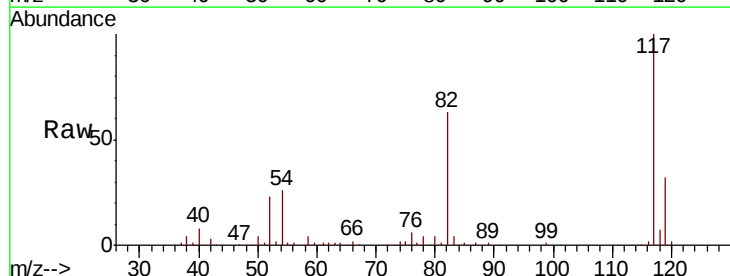


Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)
 Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)
 Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

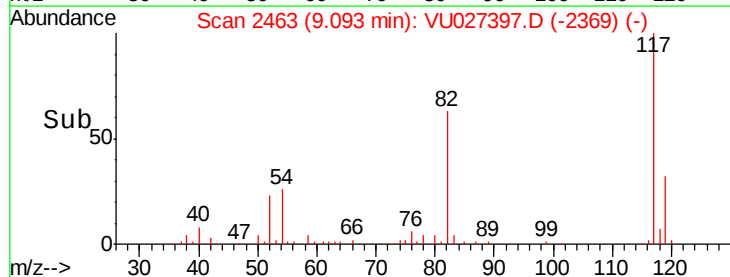
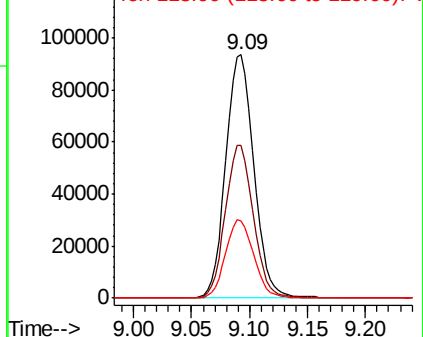


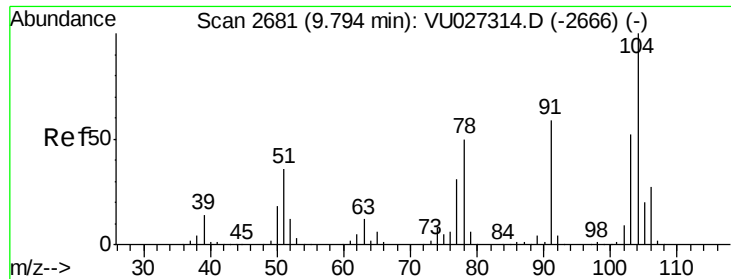
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

Tgt Ion: 117 Resp: 157317
 Ion Ratio Lower Upper
 117 100
 82 62.5 49.2 73.8
 119 31.9 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)
 Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)
 Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)

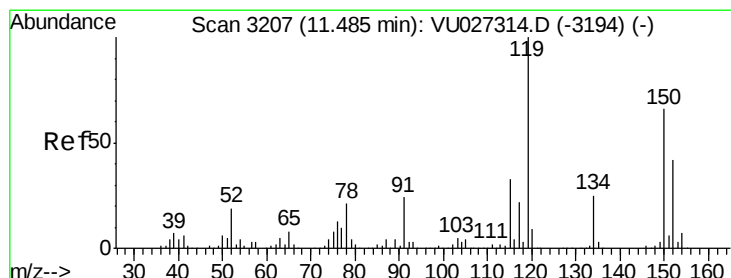
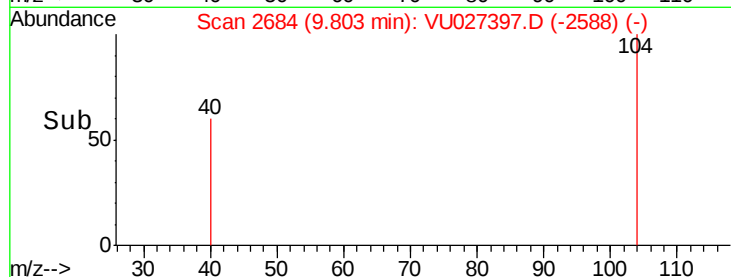
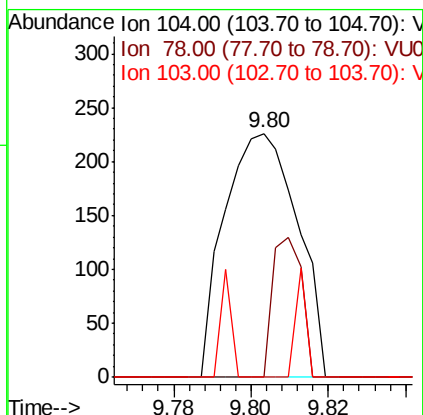
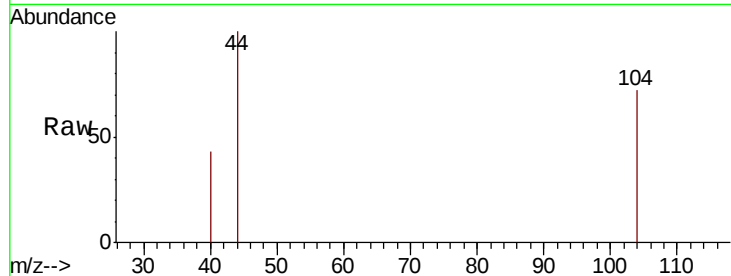




#70
Styrene
Concen: 2.373 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

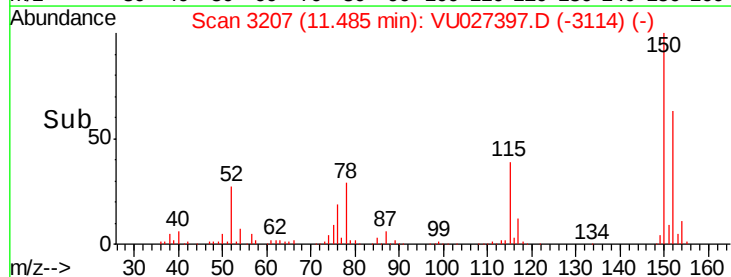
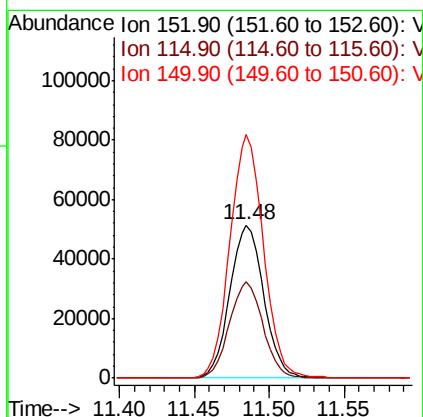
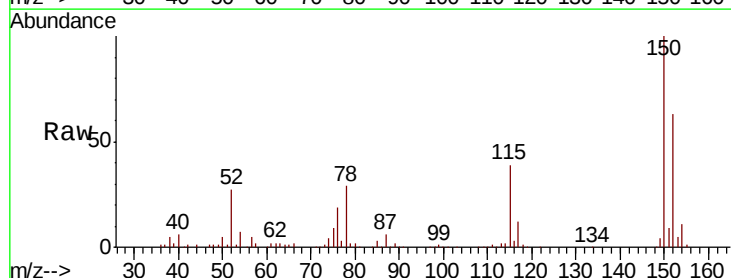
Instrument :
MSVOA_U
ClientSampled :
B-12(7-7.5)

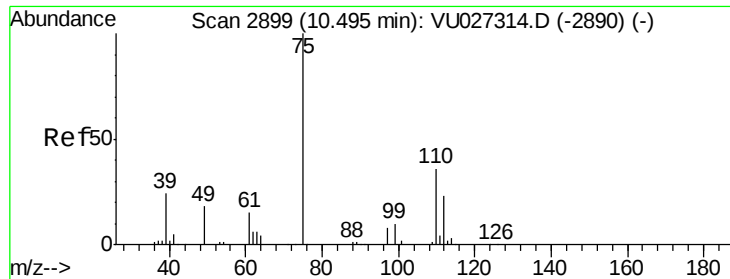
Tgt Ion:104 Resp: 297
Ion Ratio Lower Upper
104 100
78 22.9 42.9 64.3#
103 6.4 43.9 65.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Tgt Ion:152 Resp: 81443
Ion Ratio Lower Upper
152 100
115 62.3 43.4 130.2
150 157.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 22.667 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027397.D

Acq: 04 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampled :

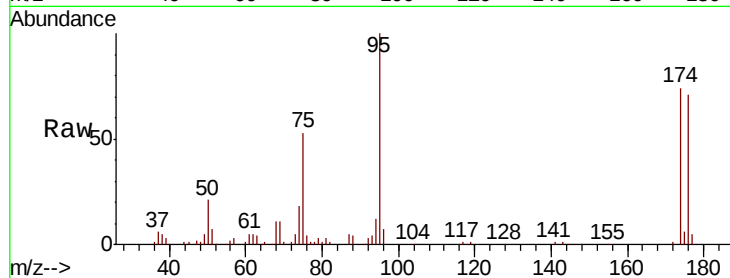
B-12(7-7.5)

Tgt Ion: 75 Resp: 47854

Ion Ratio Lower Upper

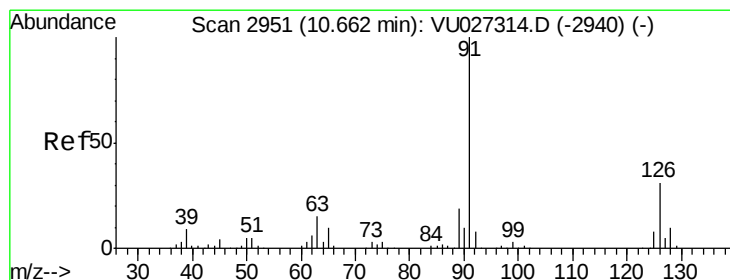
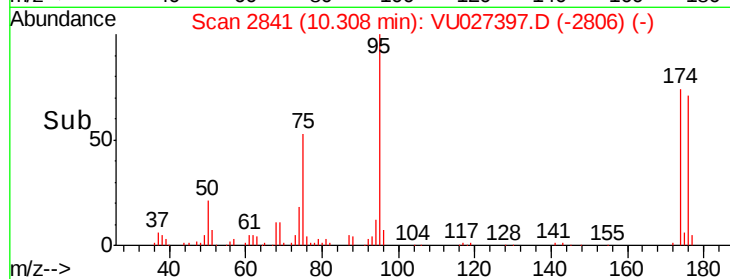
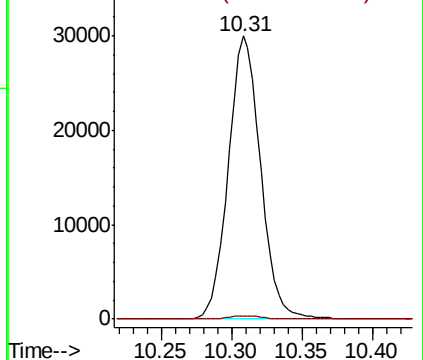
75 100

77 1.0 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#79

2-Chlorotoluene

Concen: 0.207 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.12 min

Lab File: VU027397.D

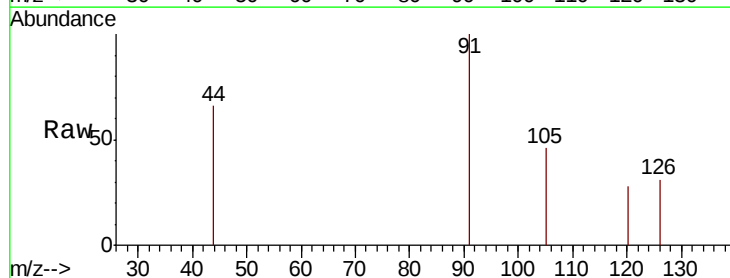
Acq: 04 Oct 2018 10:50

Tgt Ion: 91 Resp: 889

Ion Ratio Lower Upper

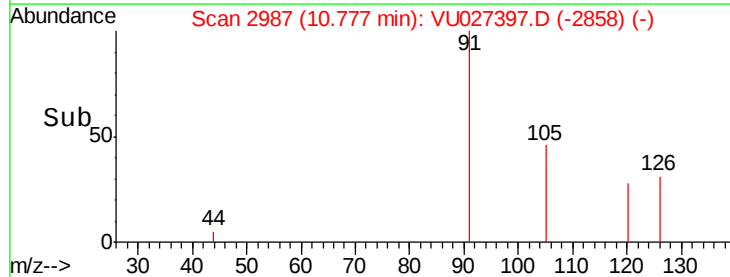
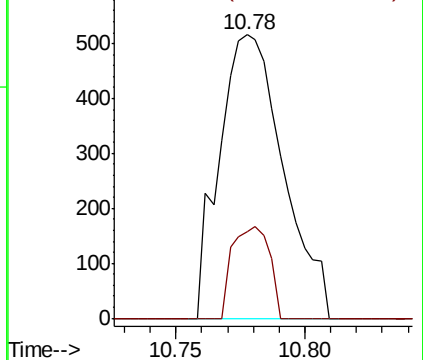
91 100

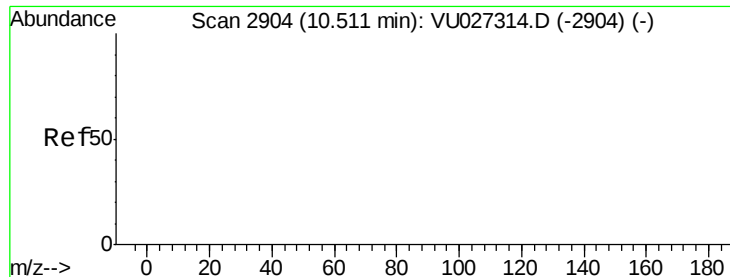
126 18.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

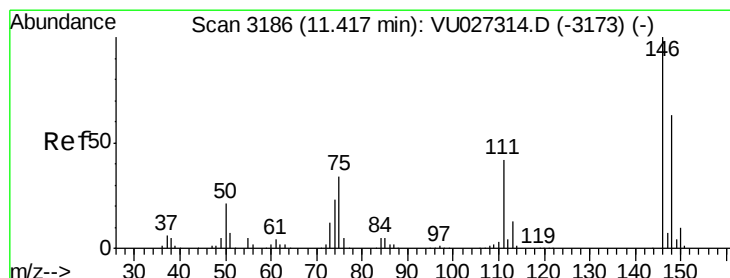
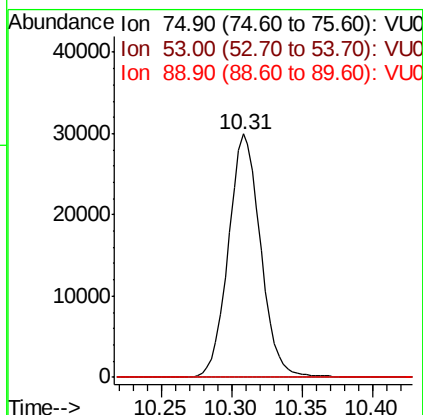
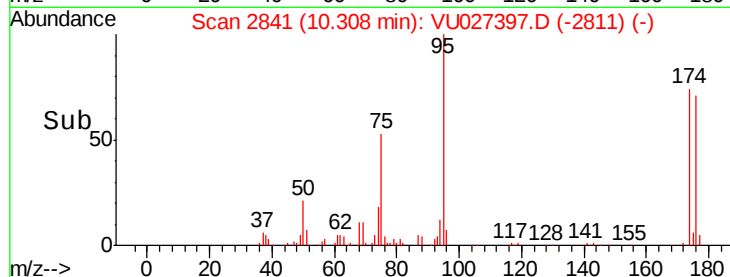
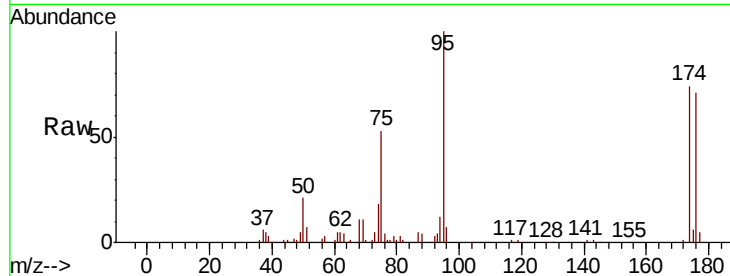




#81
trans-1,4-Dichloro-2-butene
Concen: 59.322 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

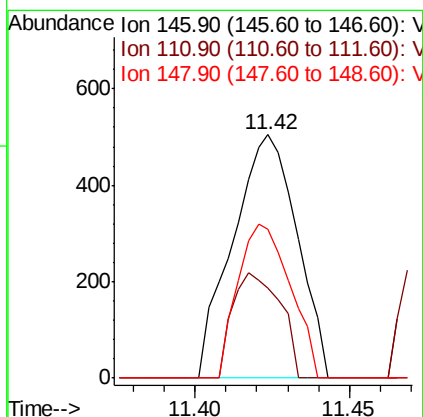
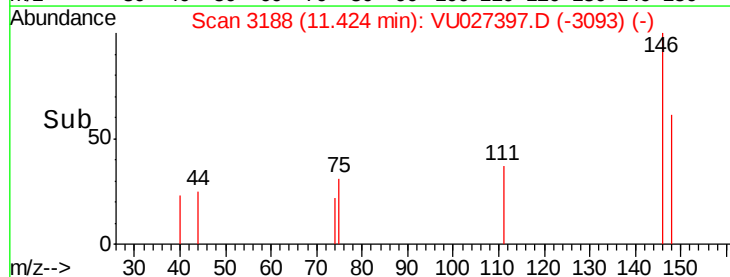
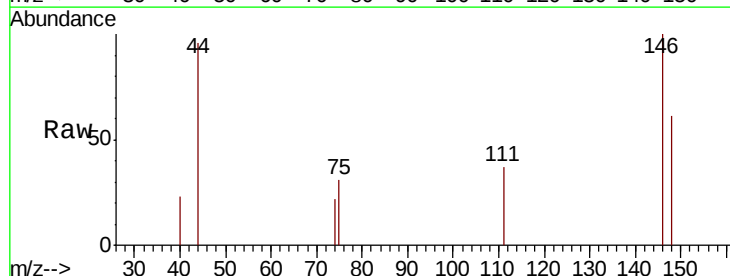
Instrument :
MSVOA_U
ClientSampled :
B-12(7-7.5)

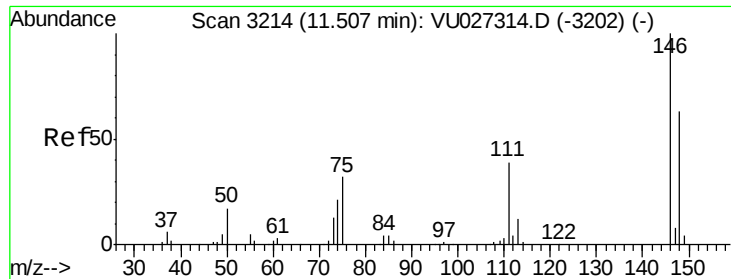
Tgt Ion: 75 Resp: 47854
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#87
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 11.42 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Tgt Ion: 146 Resp: 730
Ion Ratio Lower Upper
146 100
111 31.9 20.8 62.5
148 51.6 31.6 94.8

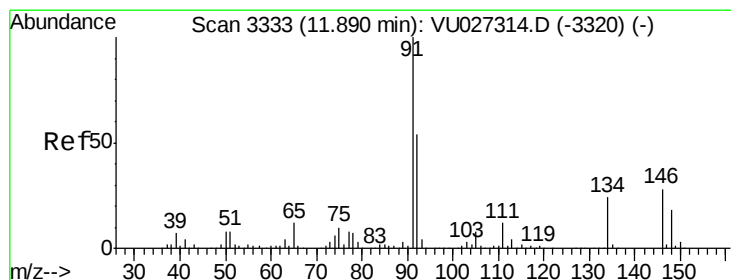
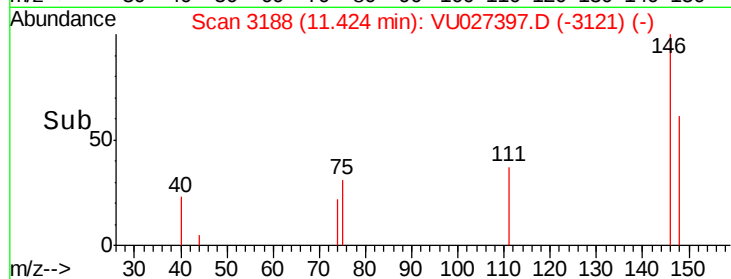
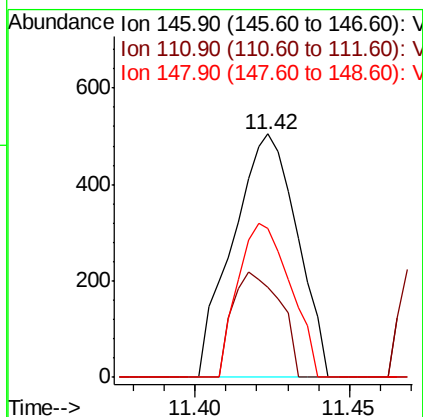
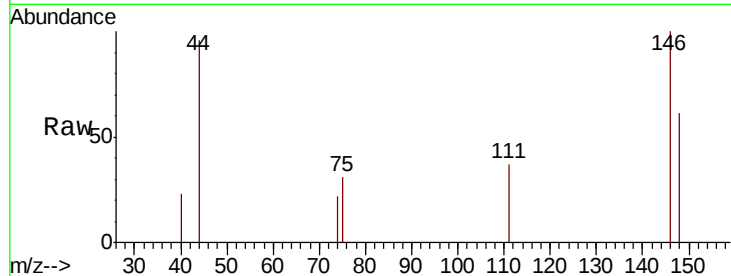




#88
 1,4-Dichlorobenzene
 Concen: 0.274 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. -0.08 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

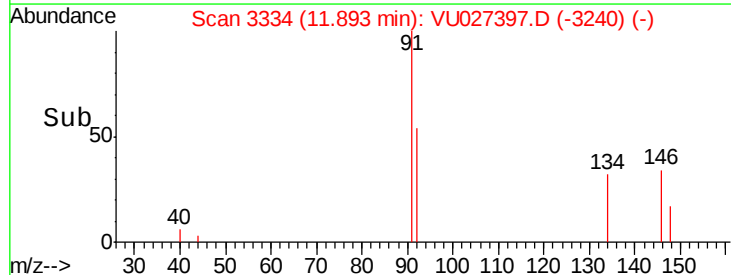
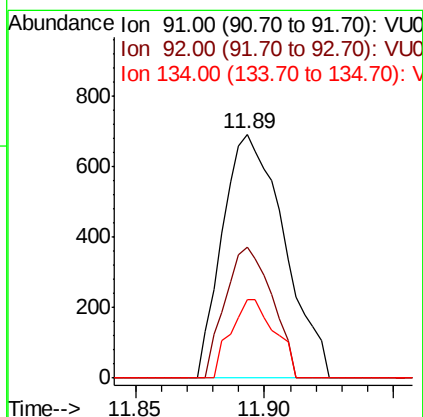
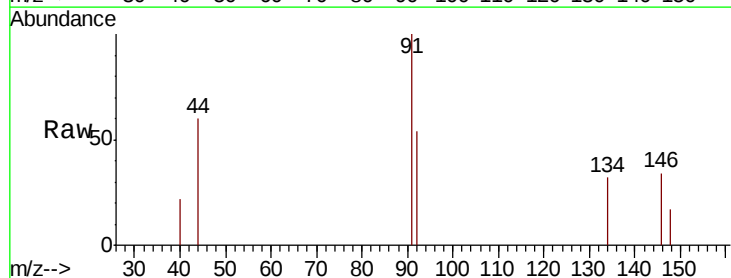
Instrument :
 MSVOA_U
 ClientSampleId :
 B-12(7-7.5)

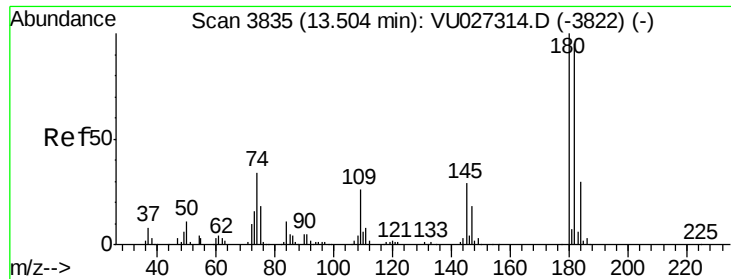
Tgt Ion: 146 Resp: 730
 Ion Ratio Lower Upper
 146 100
 111 31.9 20.4 61.2
 148 51.6 31.9 95.5



#89
 n-Butylbenzene
 Concen: 2.157 ug/l
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

Tgt Ion: 91 Resp: 1153
 Ion Ratio Lower Upper
 91 100
 92 41.0 27.0 81.0
 134 23.0 11.7 35.1

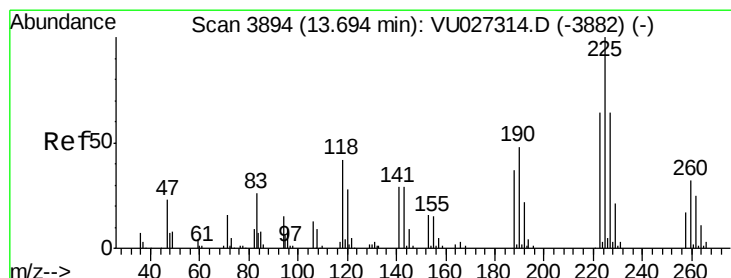
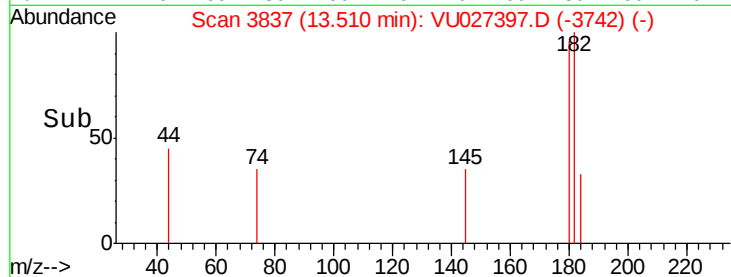
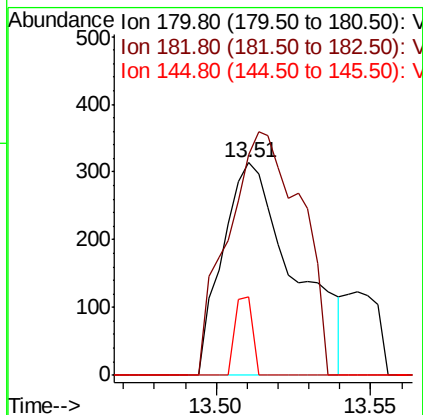
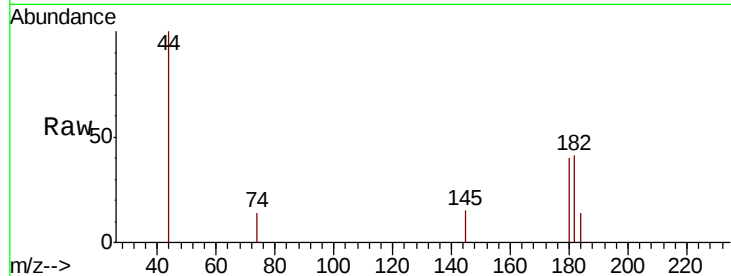




#93
 1,2,4-Trichlorobenzene
 Concen: 0.309 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

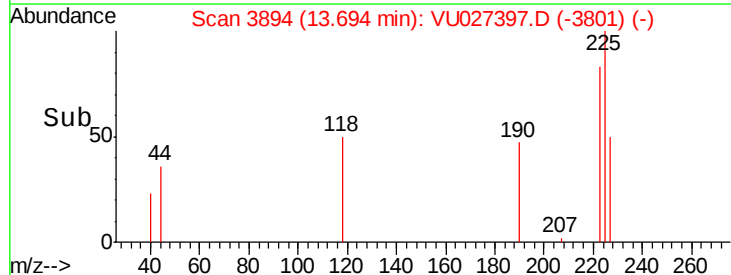
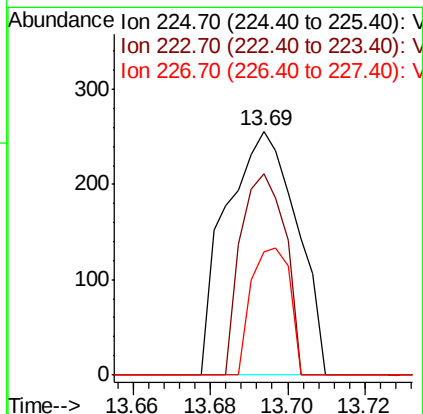
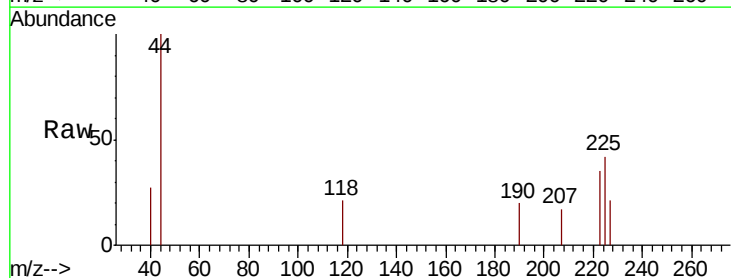
Instrument :
 MSVOA_U
 ClientSampleId :
 B-12(7-7.5)

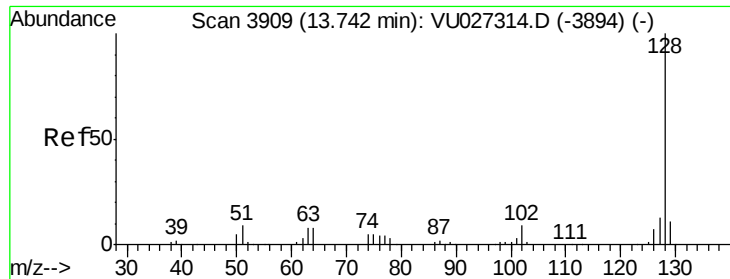
Tgt Ion:180 Resp: 507
 Ion Ratio Lower Upper
 180 100
 182 116.6 47.4 142.3
 145 8.7 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 0.394 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027397.D
 Acq: 04 Oct 2018 10:50

Tgt Ion:225 Resp: 326
 Ion Ratio Lower Upper
 225 100
 223 51.5 31.8 95.3
 227 28.2 31.9 95.7#

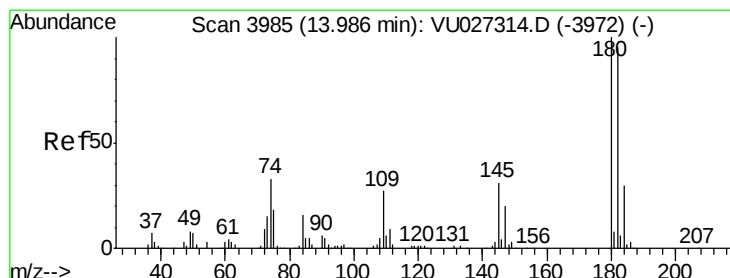
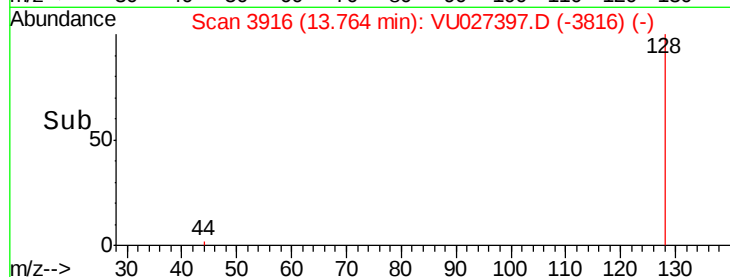
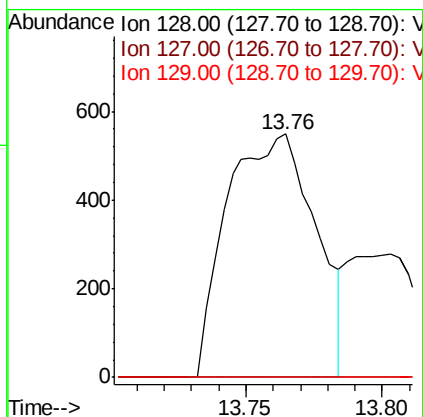
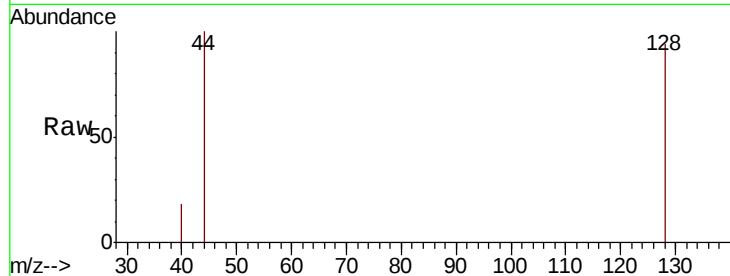




#95
Naphthalene
Concen: 1.854 ug/l
RT: 13.76 min Scan# 3916
Delta R.T. 0.02 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Instrument :
MSVOA_U
ClientSampled :
B-12(7-7.5)

Tgt Ion:128 Resp: 1238
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.258 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027397.D
Acq: 04 Oct 2018 10:50

Tgt Ion:180 Resp: 440
Ion Ratio Lower Upper
180 100
182 120.9 47.4 142.2
145 0.0 15.9 47.7#

