

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026899.D
 Acq On : 19 Sep 2018 16:03
 Operator : MD/SY
 Sample : VU0920WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBL01

Quant Time: Sep 20 05:33:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	86377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	145107	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76163	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	70778	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	4.88	113	63083	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
50) Toluene-d8	7.57	98	214998	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	10.31	95	71689	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

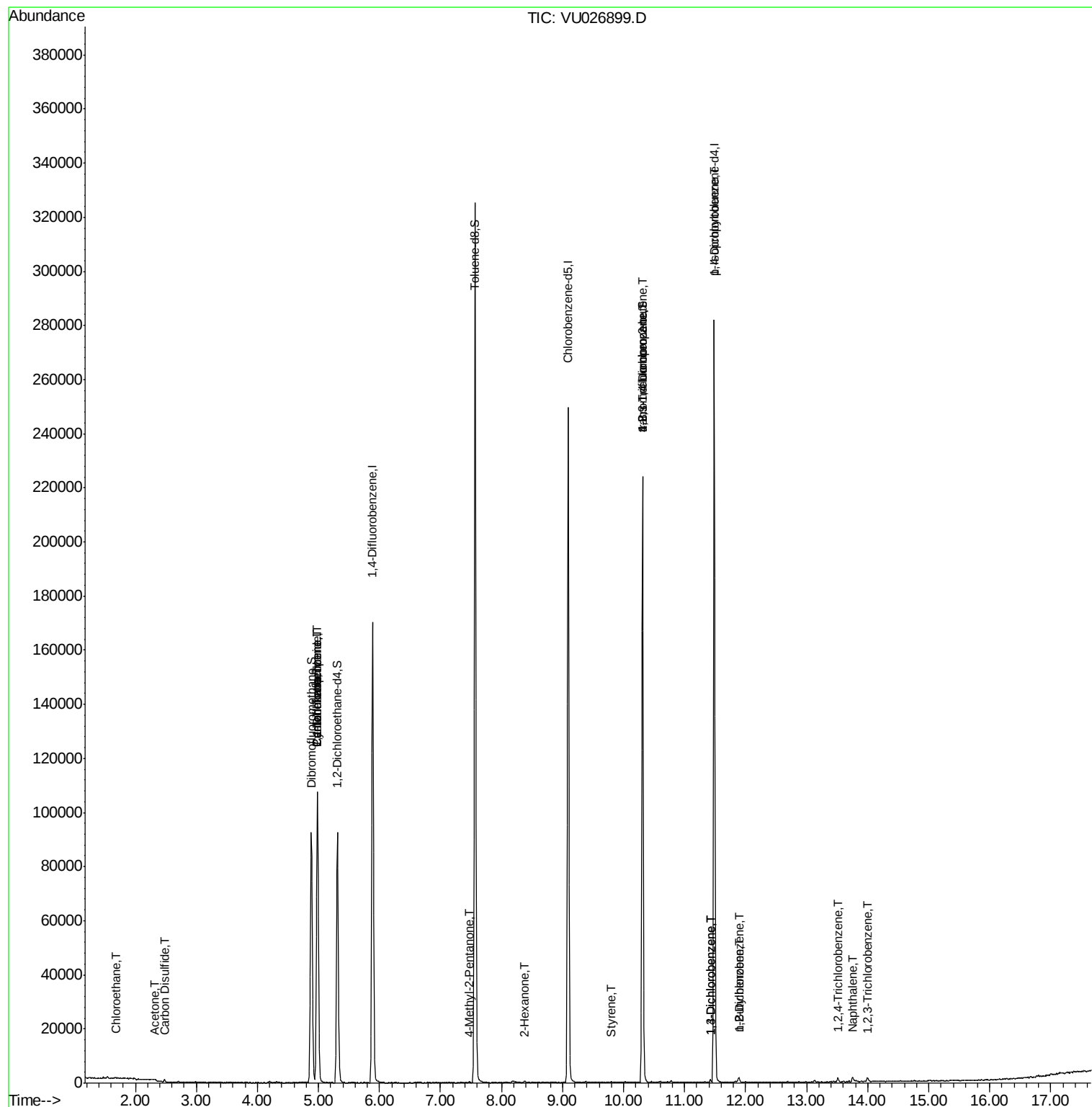
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	234	0.272	ug/l #	44
16) Acetone	2.32	43	569	0.767	ug/l	95
17) Carbon Disulfide	2.48	76	1067	0.338	ug/l #	76
31) Cyclohexane	4.98	56	1549	0.627	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	5969	3.664	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7630	4.433	ug/l #	16
51) 4-Methyl-2-Pentanone	7.47	43	491	0.246	ug/l #	62
59) 2-Hexanone	8.38	43	664	0.423	ug/l #	49
70) Styrene	9.80	104	214	1.910	ug/l #	49
76) 1,2,3-Trichloropropane	10.31	75	34519	20.233	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	34519	62.655	ug/l #	100
86) p-Isopropyltoluene	11.48	119	387	1.123	ug/l #	59
87) 1,3-Dichlorobenzene	11.42	146	777	0.295	ug/l	79
88) 1,4-Dichlorobenzene	11.42	146	777	0.284	ug/l	80
89) n-Butylbenzene	11.90	91	785	2.271	ug/l #	79
91) 1,2-Dichlorobenzene	11.88	146	588	0.222	ug/l	89
93) 1,2,4-Trichlorobenzene	13.51	180	858	0.488	ug/l	91
95) Naphthalene	13.75	128	3094	1.528	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.99	180	1008	0.549	ug/l #	83

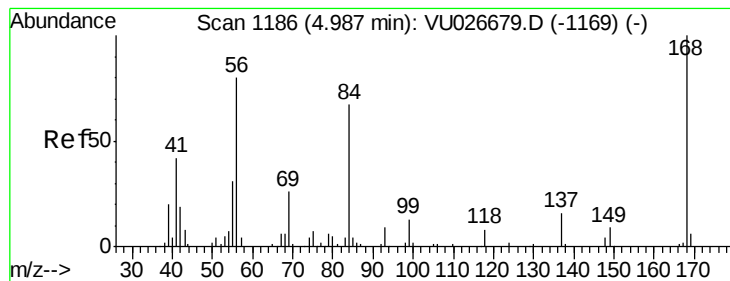
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026899.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

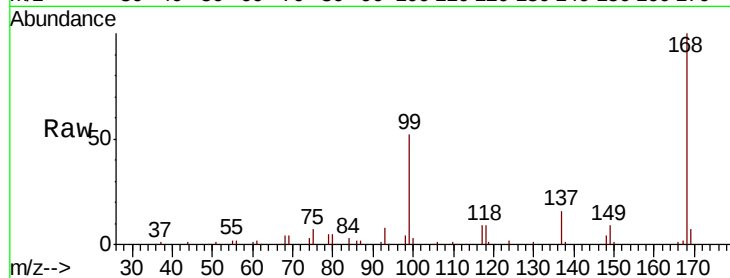
VU0920WBL01

Tgt Ion:168 Resp: 86377

Ion Ratio Lower Upper

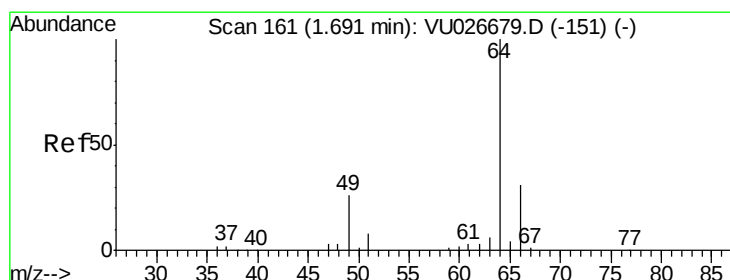
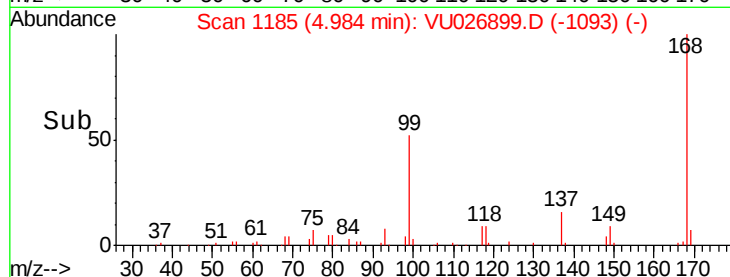
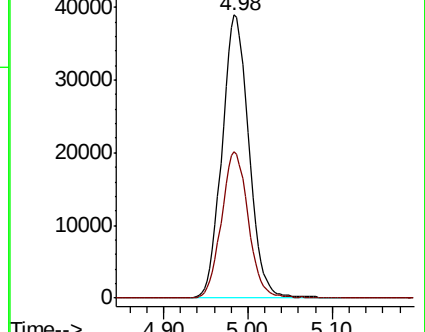
168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026899.D (-1093) (-)



#6

Chloroethane

Concen: 0.272 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026899.D

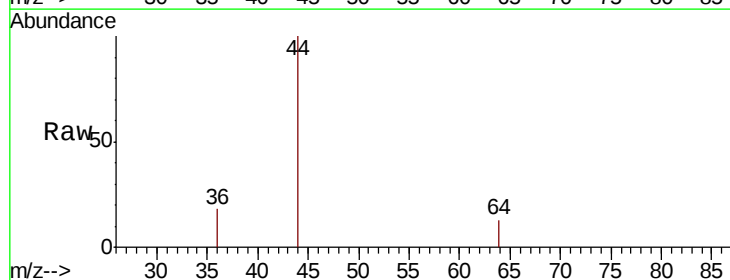
Acq: 19 Sep 2018 16:03

Tgt Ion: 64 Resp: 234

Ion Ratio Lower Upper

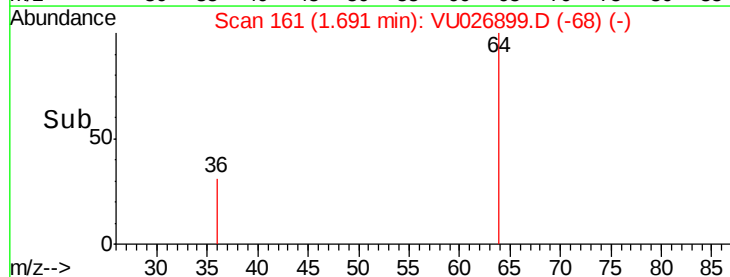
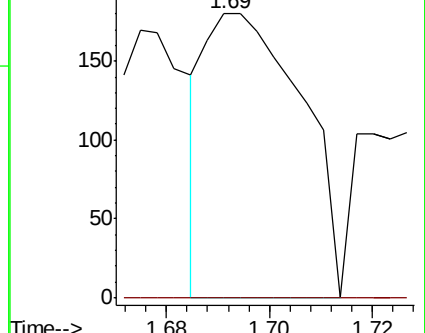
64 100

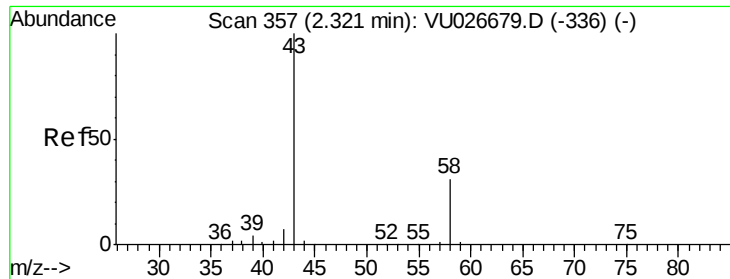
66 0.0 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VU026679.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU026899.D (-68) (-)





#16

Acetone

Concen: 0.767 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026899.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

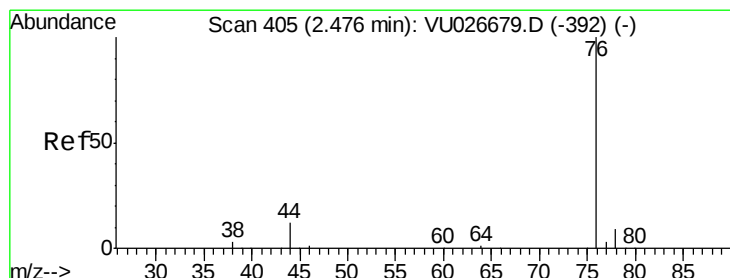
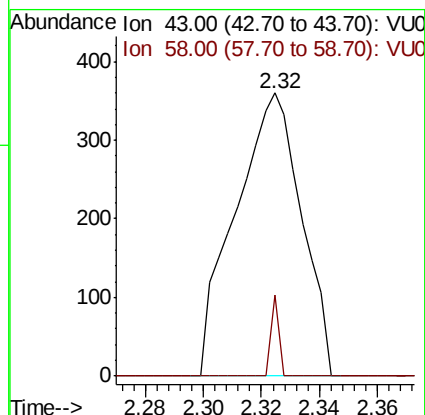
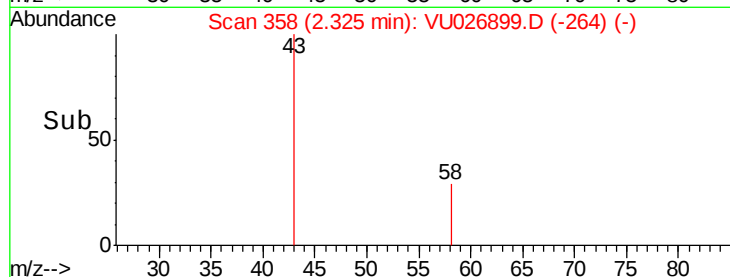
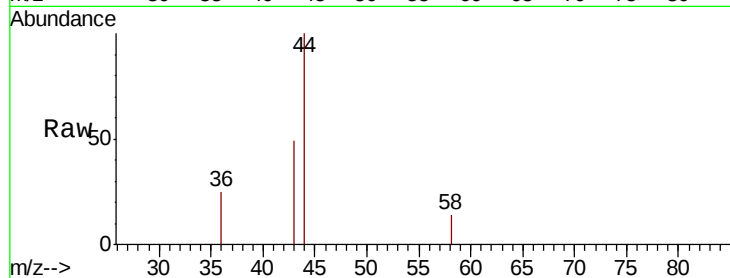
VU0920WBL01

Tgt Ion: 43 Resp: 569

Ion Ratio Lower Upper

43 100

58 28.6 25.1 37.7



#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026899.D

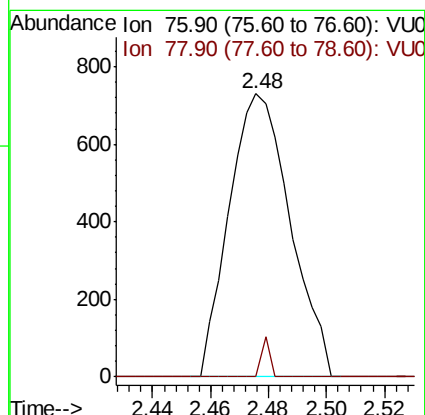
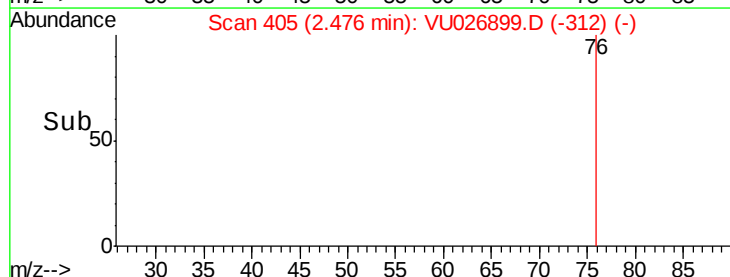
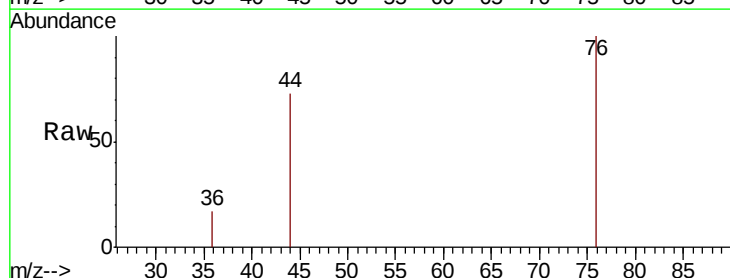
Acq: 19 Sep 2018 16:03

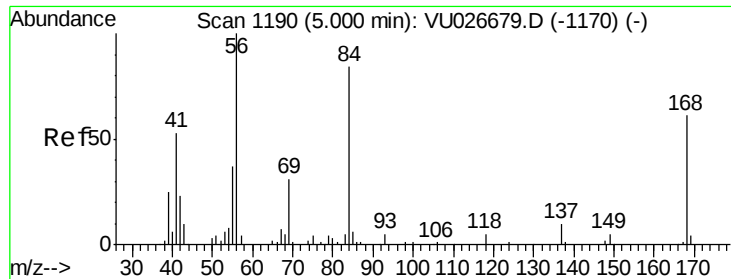
Tgt Ion: 76 Resp: 1067

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

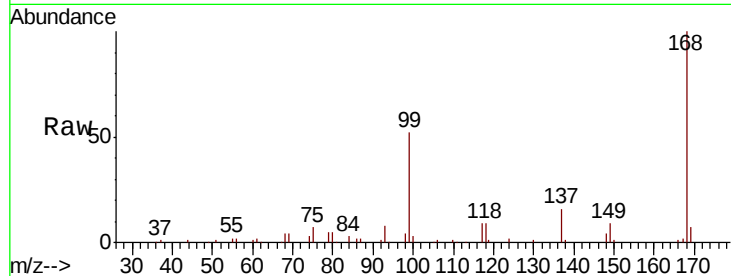




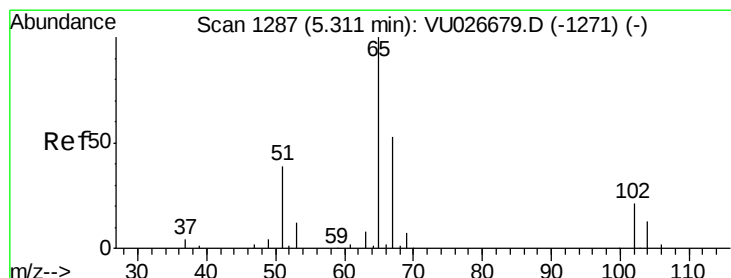
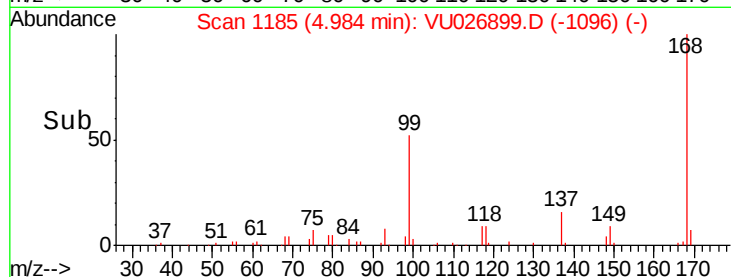
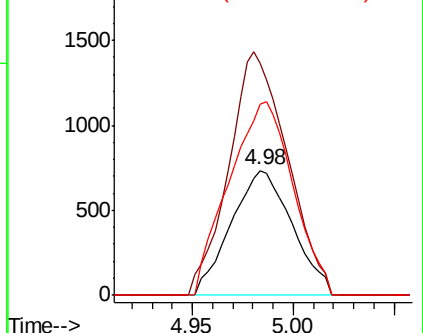
#31
Cyclohexane
Concen: 0.627 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU0920WBL01

Tgt Ion: 56 Resp: 1549
Ion Ratio Lower Upper
56 100
69 186.5 24.9 37.3#
84 153.0 66.6 100.0#

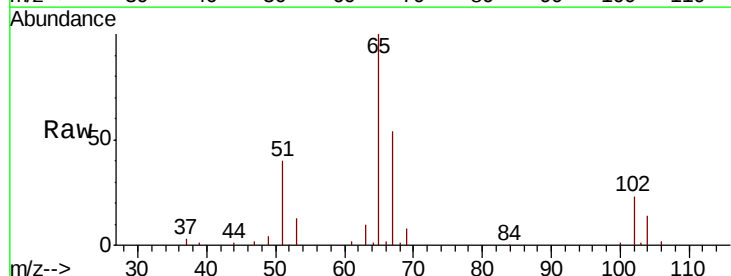


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

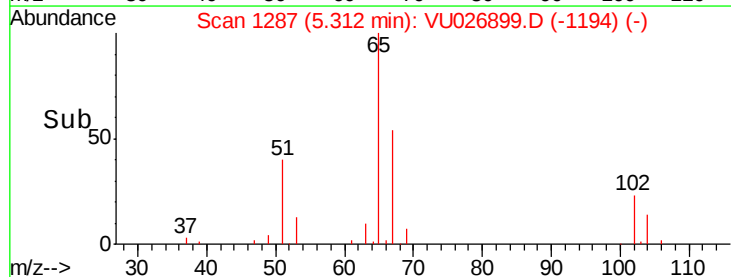
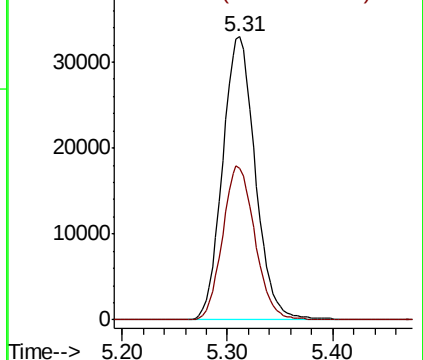


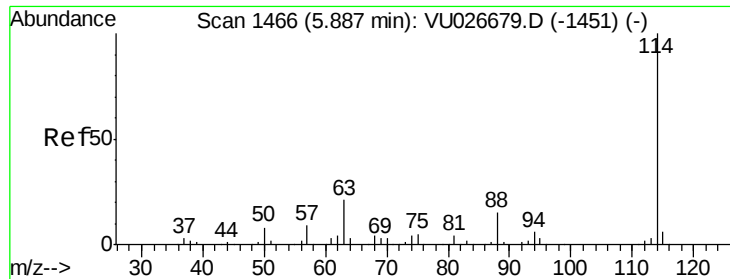
#33
1,2-Dichloroethane-d4
Concen: 54.017 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 65 Resp: 70778
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.4



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

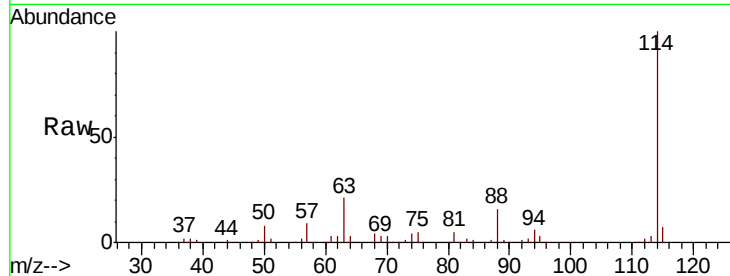




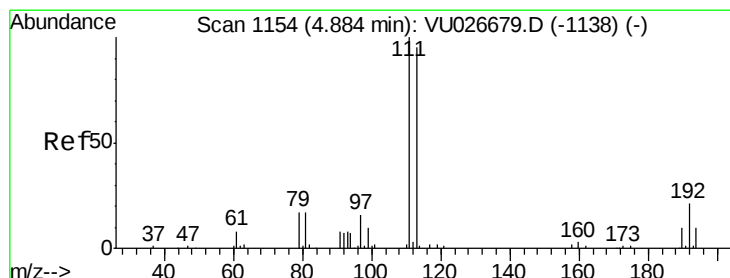
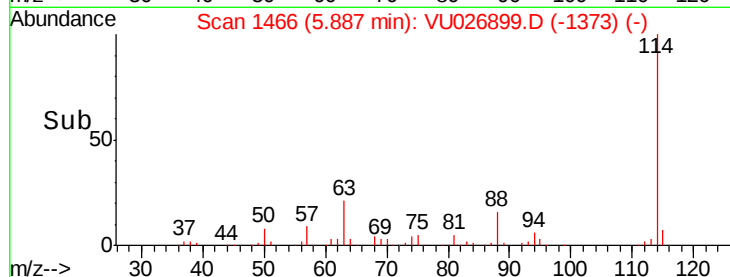
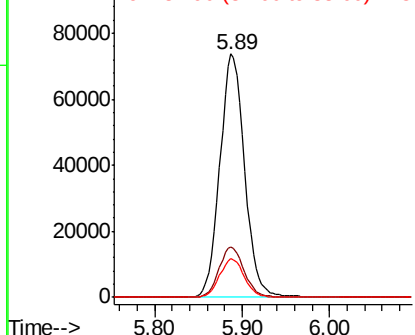
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_U
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 VU0920WBL01

Tgt Ion:114 Resp: 145107
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.8 0.0 30.8

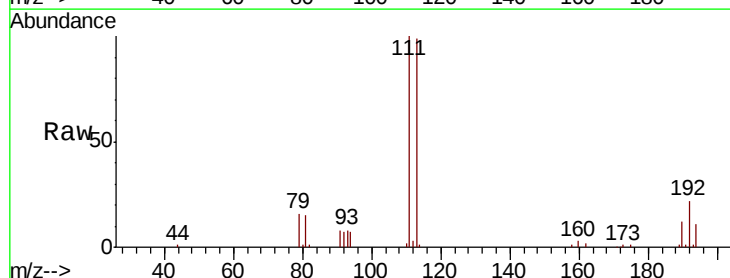


Abundance Ion 113.90 (113.60 to 114.60): V
 100000 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

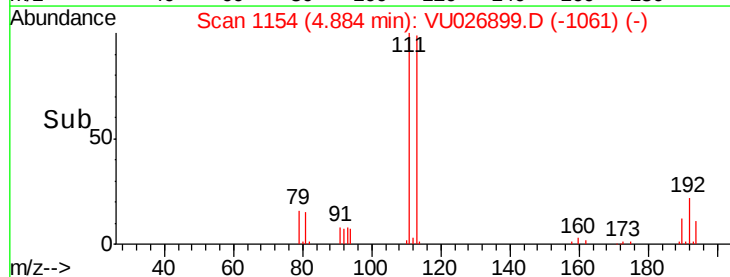
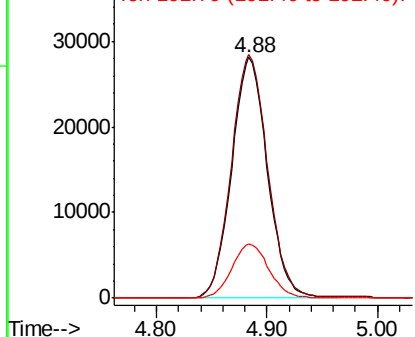


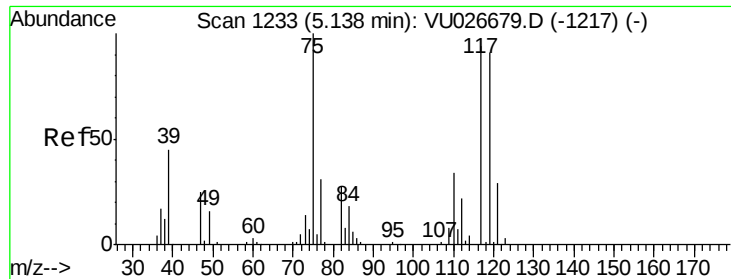
#35
 Dibromofluoromethane
 Concen: 53.296 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:113 Resp: 63083
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.1 124.7
 192 23.1 17.4 26.2



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

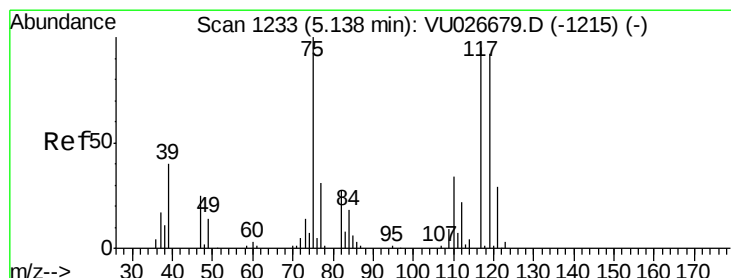
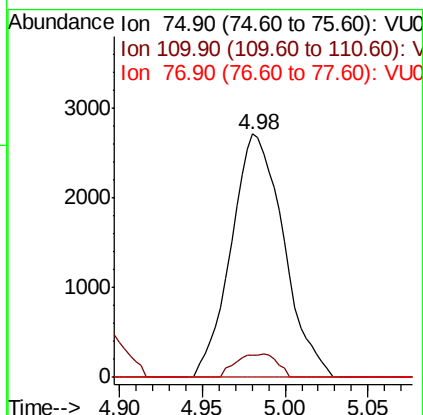
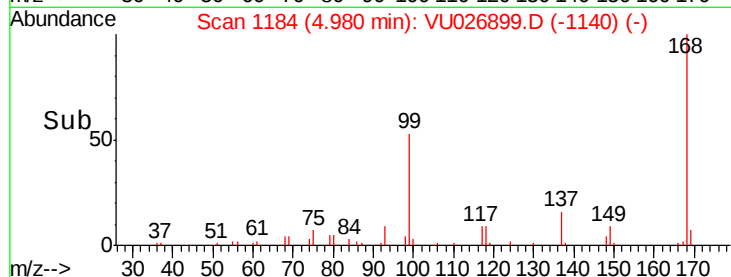
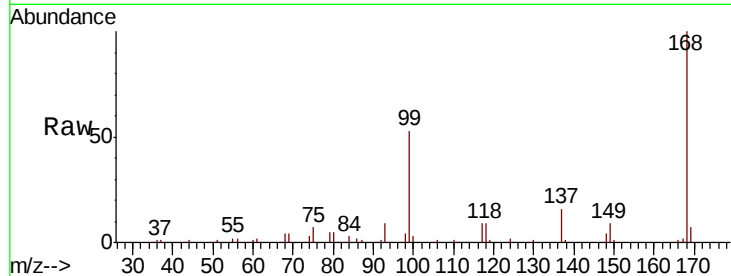




#36
 1,1-Dichloropropene
 Concen: 3.664 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

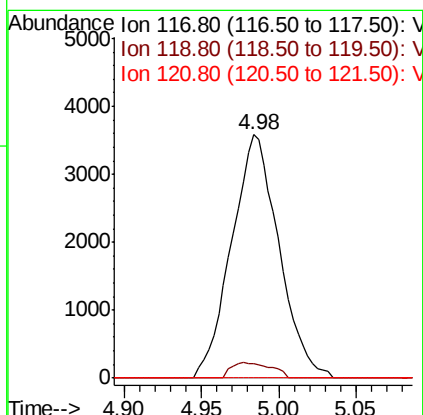
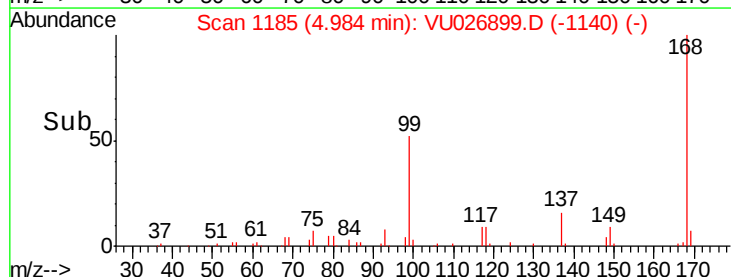
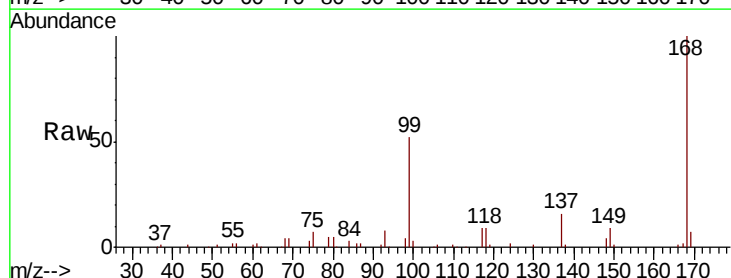
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBL01

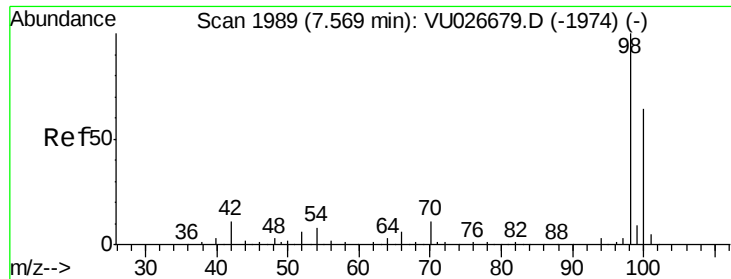
Tgt Ion: 75 Resp: 5969
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.3 51.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.433 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 117 Resp: 7630
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.8 116.8#
 121 0.0 25.0 37.4#

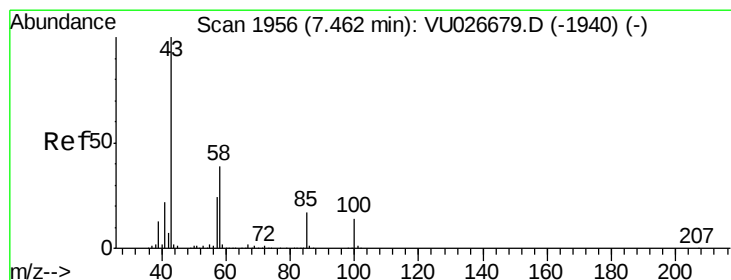
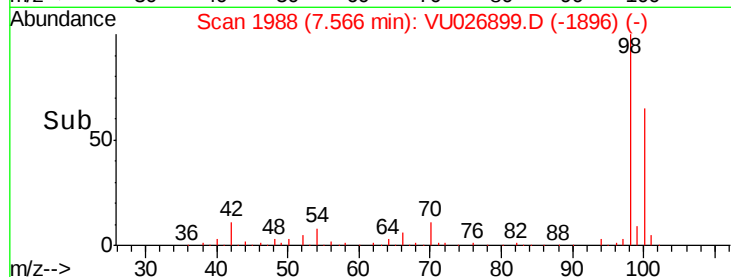
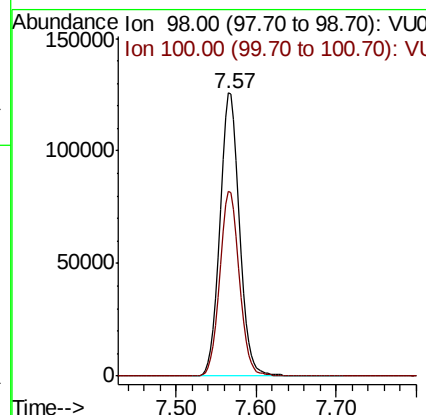
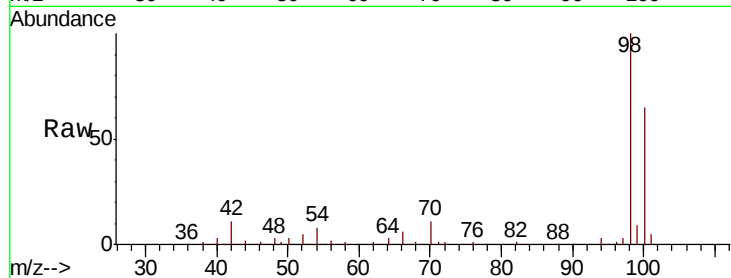




#50
Toluene-d8
Concen: 49.111 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

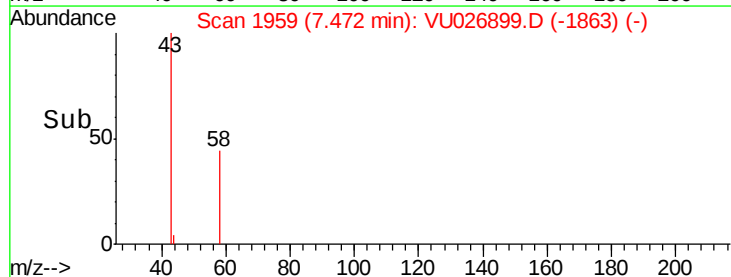
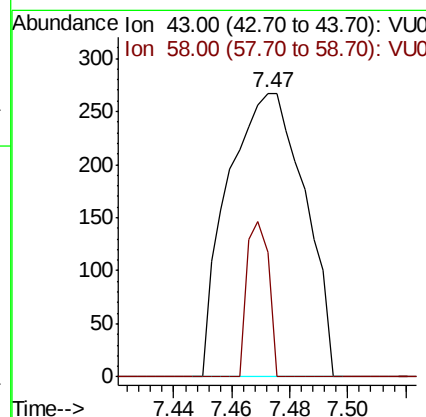
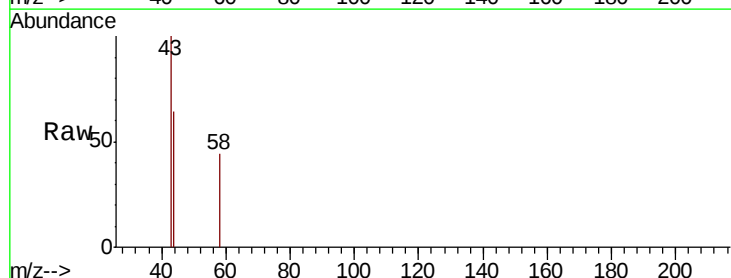
Instrument :
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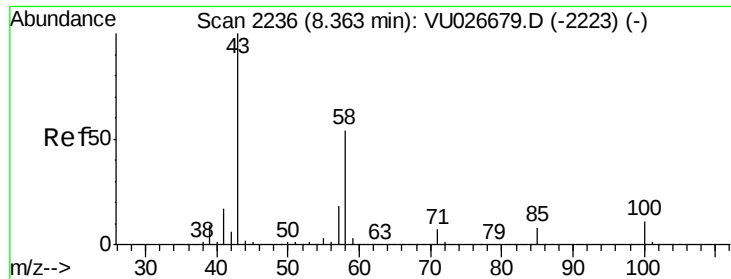
Tgt Ion: 98 Resp: 214998
Ion Ratio Lower Upper
98 100
100 65.4 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.246 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 15.5 31.1 46.7#

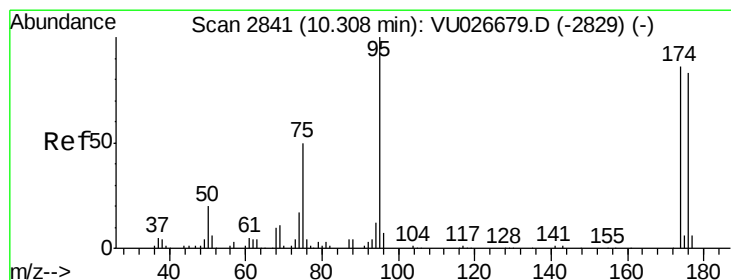
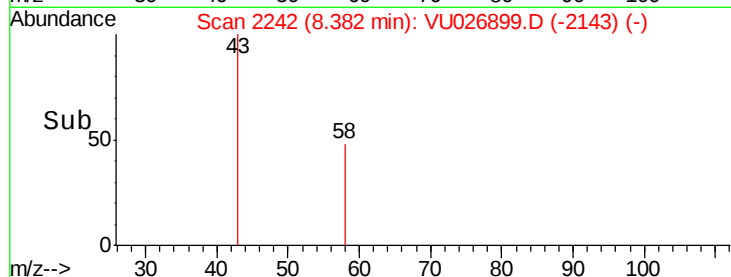
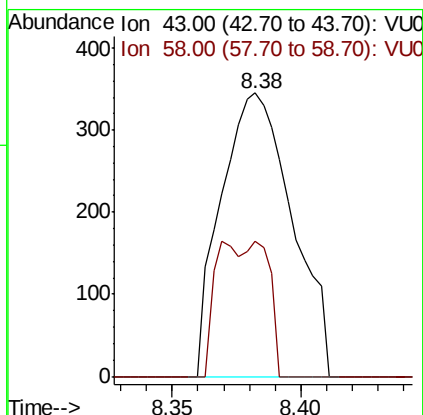
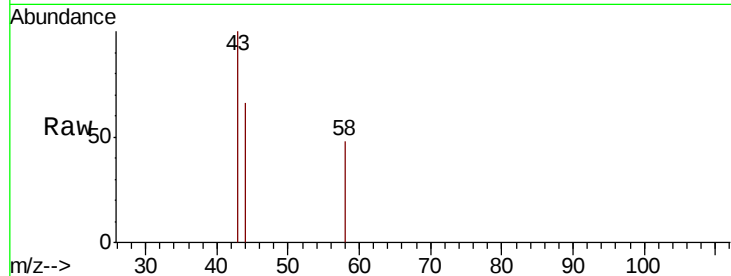




#59
2-Hexanone
Concen: 0.423 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

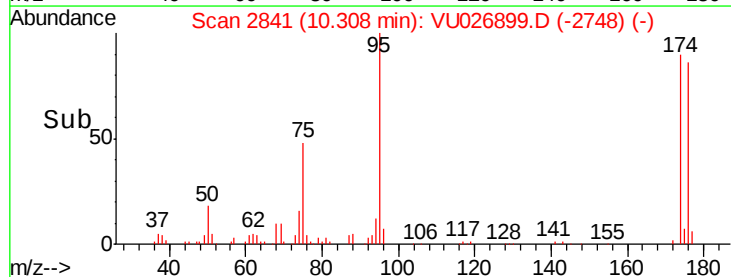
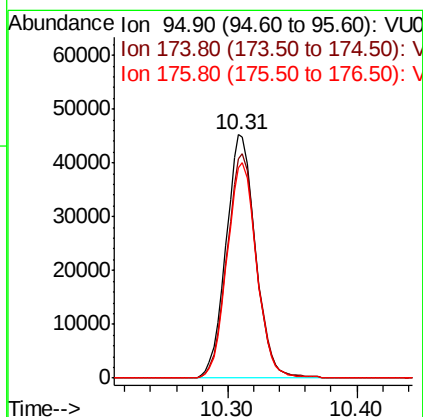
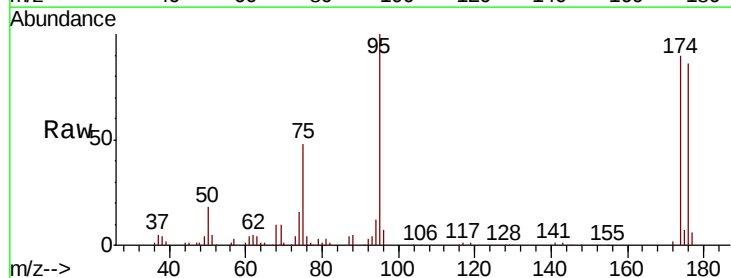
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBL01

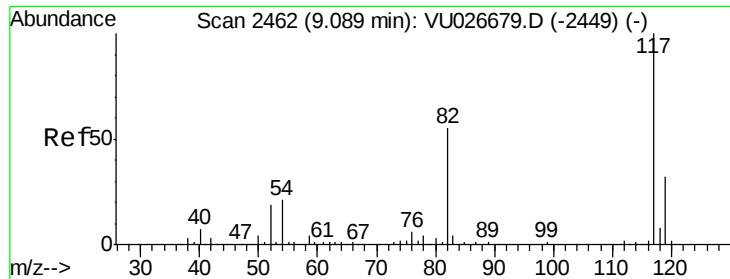
Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 45.183 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 95 Resp: 71689
Ion Ratio Lower Upper
95 100
174 92.7 0.0 172.8
176 88.8 0.0 168.6

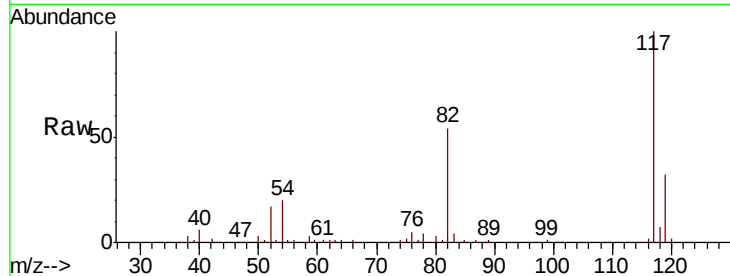




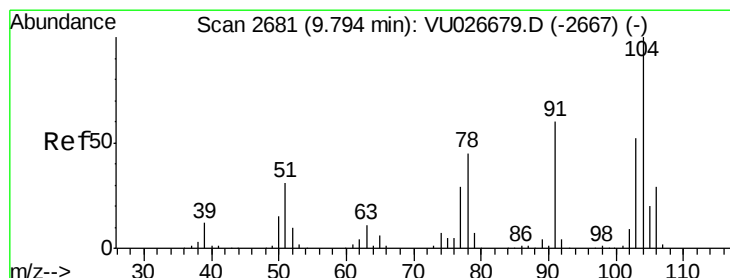
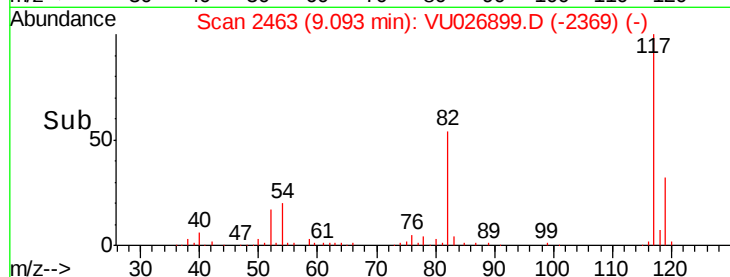
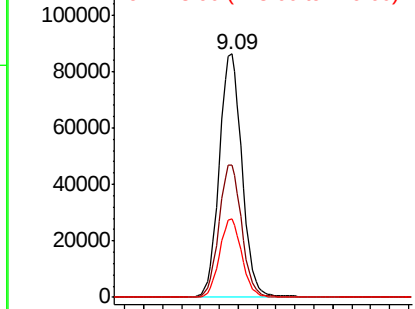
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU0920WBL01

Tgt Ion:117 Resp: 143929
Ion Ratio Lower Upper
117 100
82 54.5 44.1 66.1
119 32.0 25.7 38.5

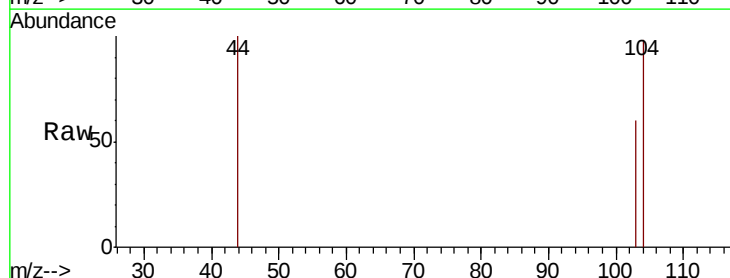


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

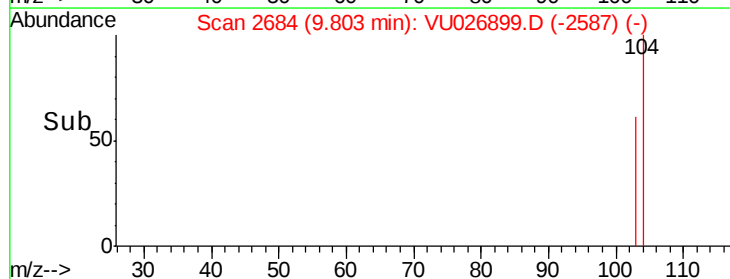
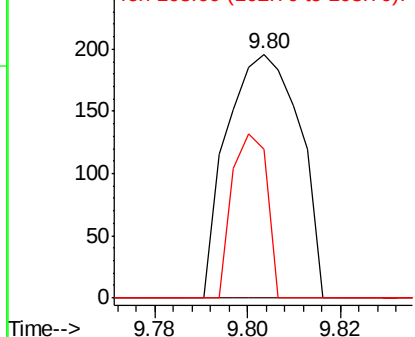


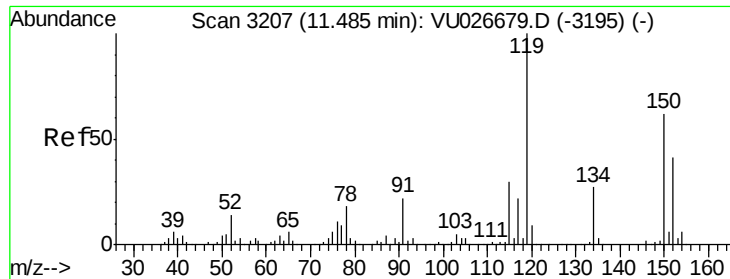
#70
Styrene
Concen: 1.910 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Tgt Ion:104 Resp: 214
Ion Ratio Lower Upper
104 100
78 0.0 39.4 59.2#
103 32.2 44.5 66.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): 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: VU026899.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBL01

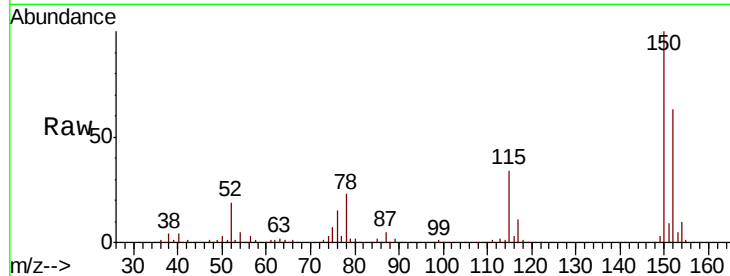
Tgt Ion:152 Resp: 76163

Ion Ratio Lower Upper

152 100

115 54.2 40.4 121.1

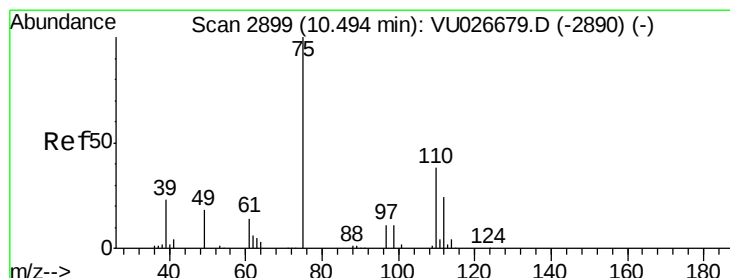
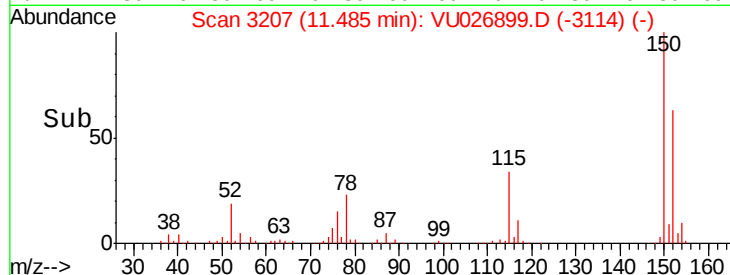
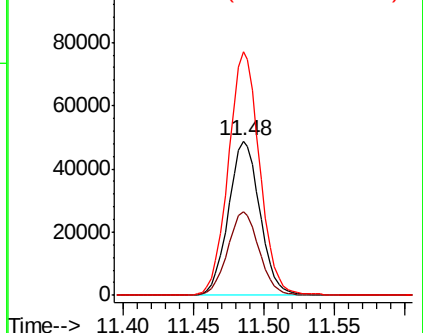
150 156.7 0.0 345.2



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: 20.233 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026899.D

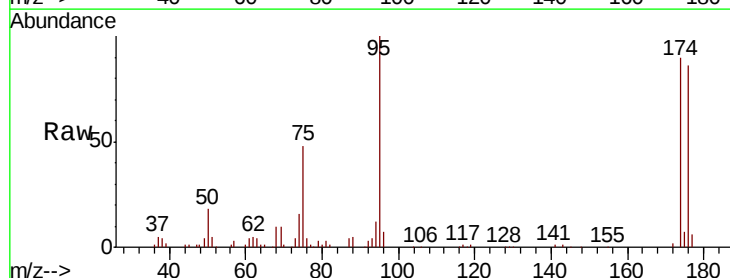
Acq: 19 Sep 2018 16:03

Tgt Ion: 75 Resp: 34519

Ion Ratio Lower Upper

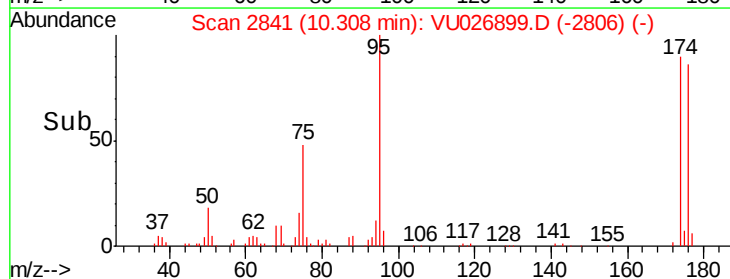
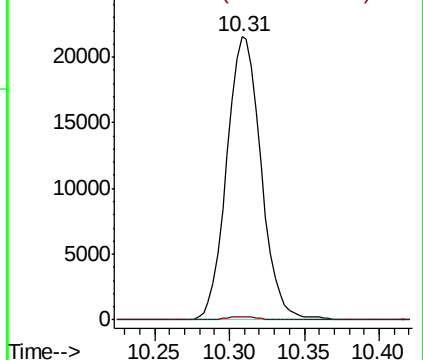
75 100

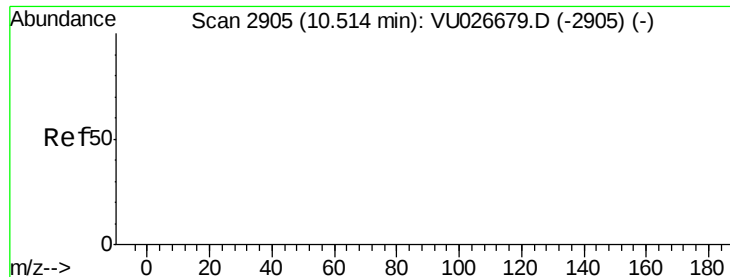
77 1.0 21.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

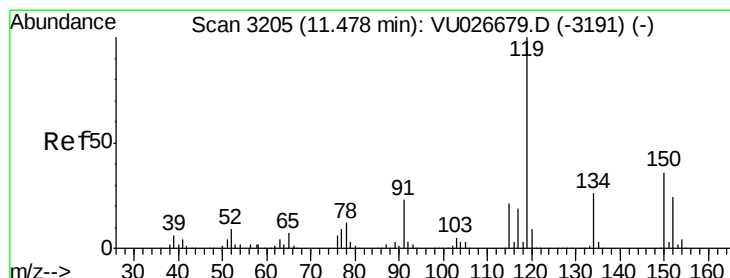
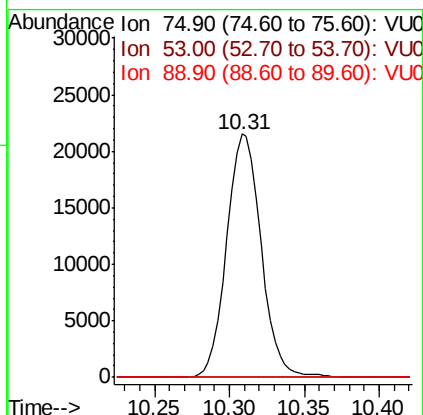
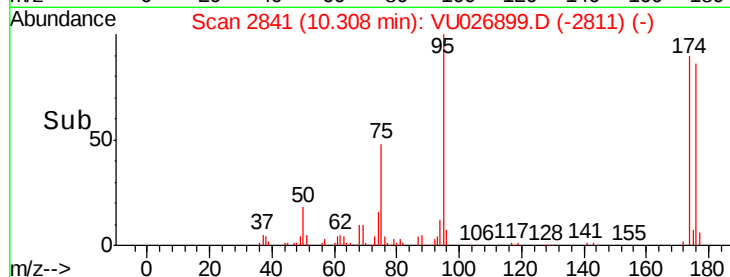
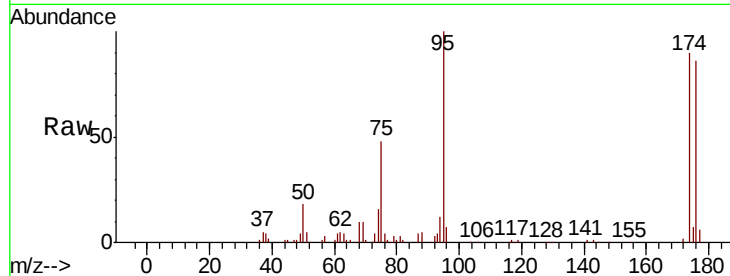




#81
trans-1,4-Dichloro-2-butene
Concen: 62.655 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

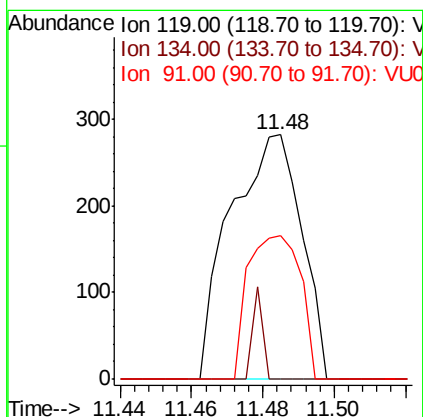
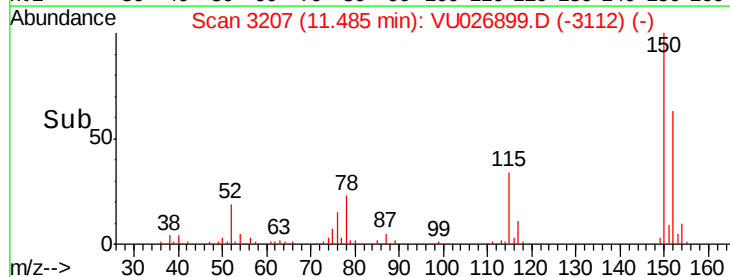
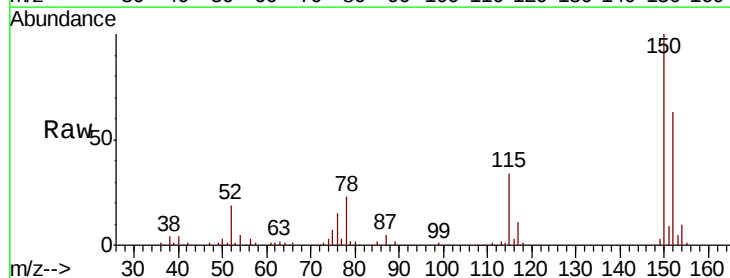
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBL01

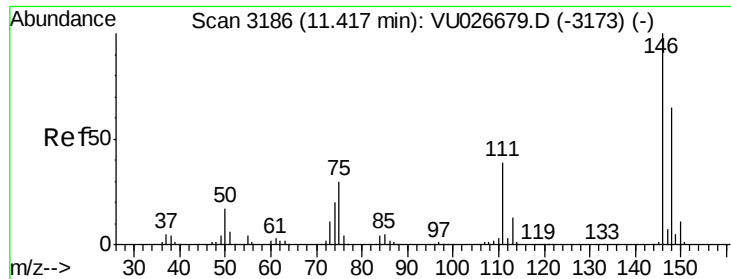
Tgt Ion: 75 Resp: 34519
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 1.123 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 119 Resp: 387
Ion Ratio Lower Upper
119 100
134 5.2 13.2 39.5#
91 43.4 11.6 34.8#

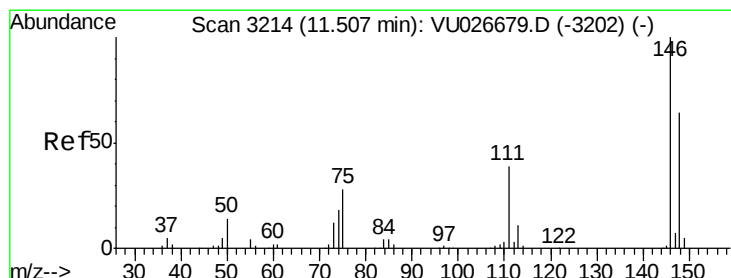
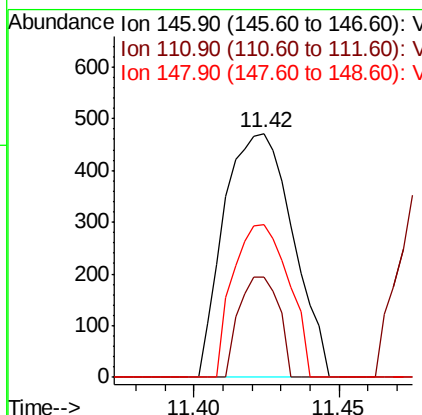
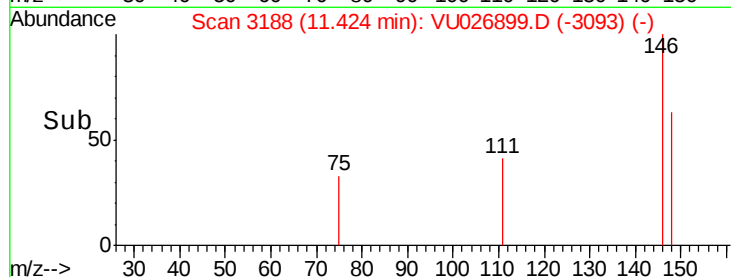
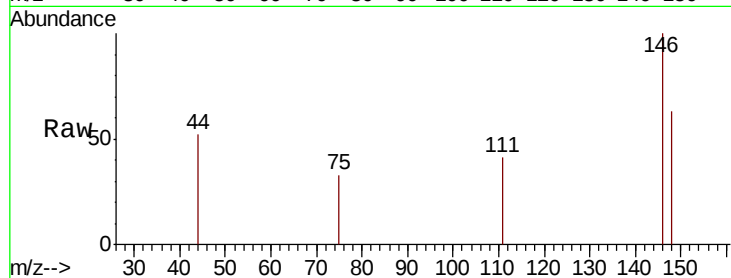




#87
 1,3-Dichlorobenzene
 Concen: 0.295 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

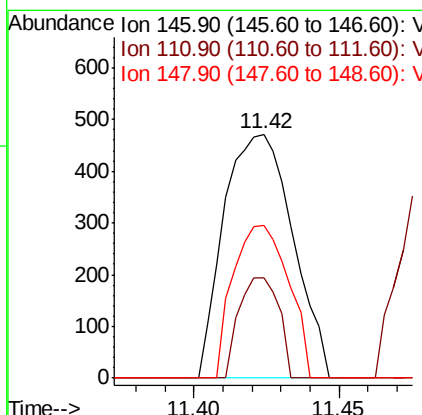
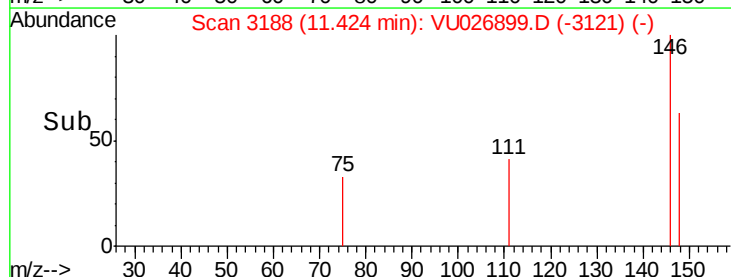
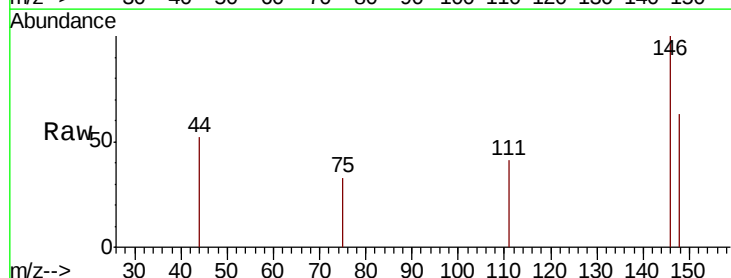
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBL01

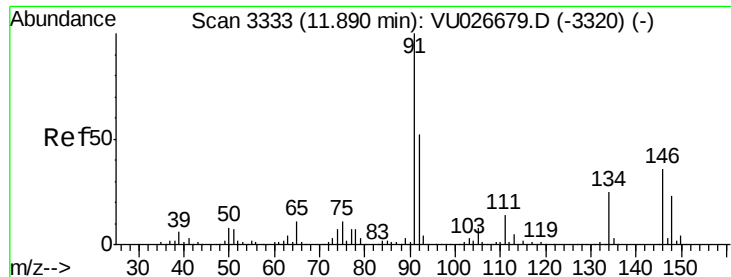
Tgt Ion:146 Resp: 777
 Ion Ratio Lower Upper
 146 100
 111 23.7 19.7 59.1
 148 50.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 0.284 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. -0.08 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:146 Resp: 777
 Ion Ratio Lower Upper
 146 100
 111 23.7 19.2 57.6
 148 50.2 32.1 96.3

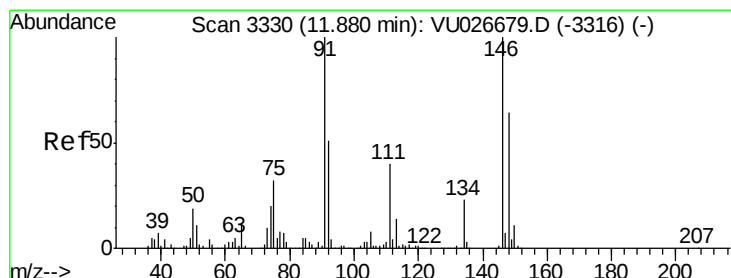
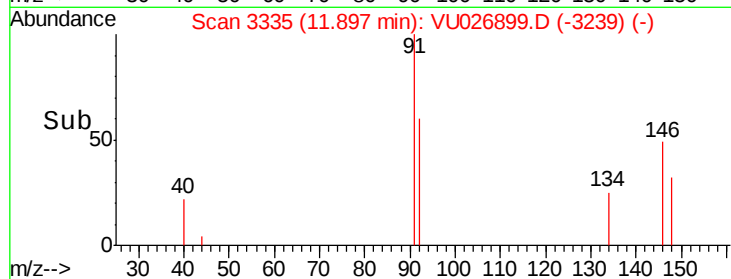
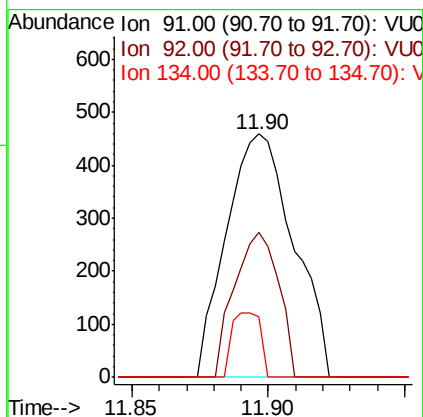
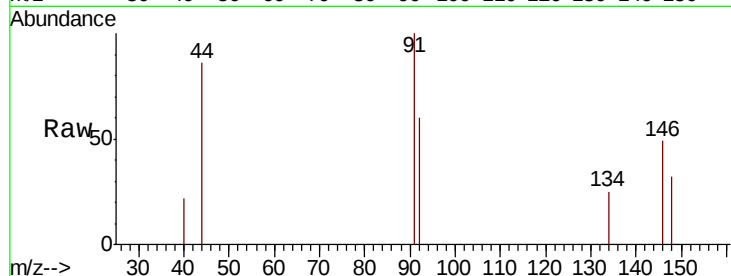




#89
n-Butylbenzene
Concen: 2.271 ug/l
RT: 11.90 min Scan# 3335
Delta R.T. 0.01 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

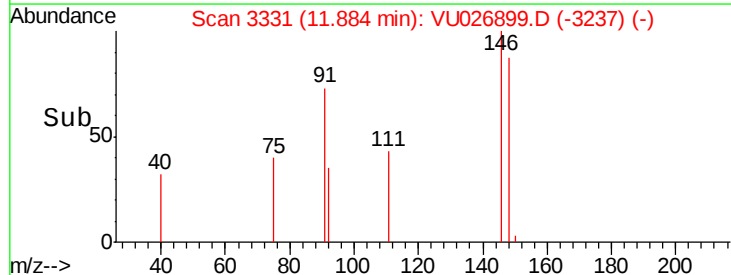
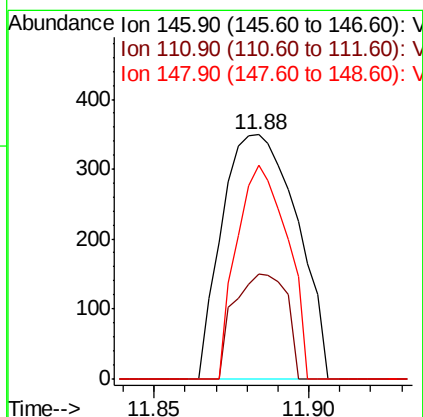
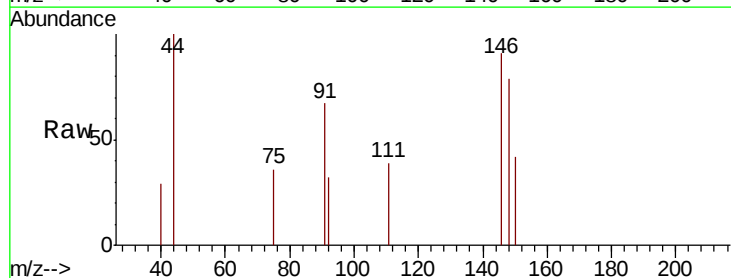
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBL01

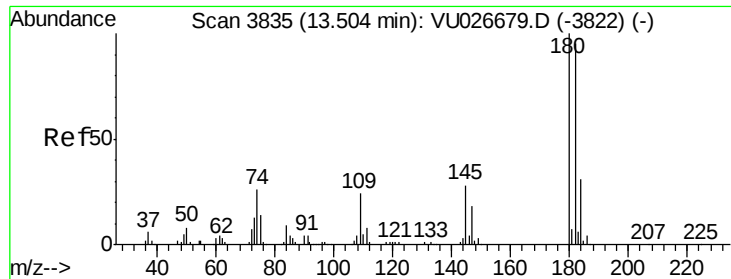
Tgt Ion: 91 Resp: 785
Ion Ratio Lower Upper
91 100
92 39.0 25.8 77.3
134 11.5 12.6 37.8#



#91
1,2-Dichlorobenzene
Concen: 0.222 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VU026899.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 146 Resp: 588
Ion Ratio Lower Upper
146 100
111 29.8 20.3 60.8
148 58.8 32.1 96.3

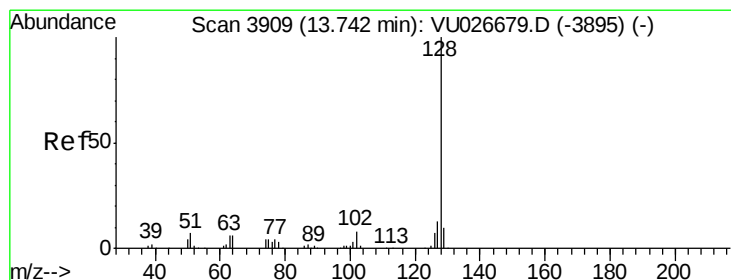
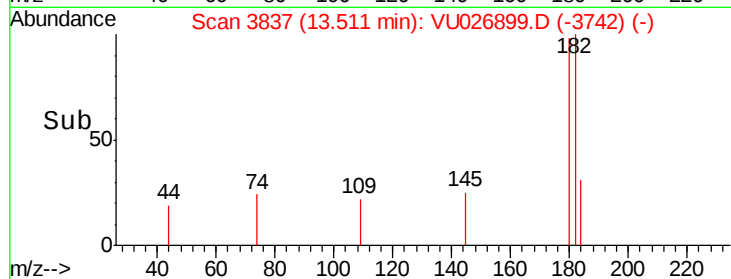
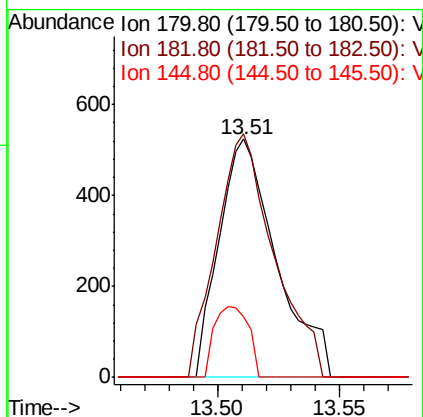
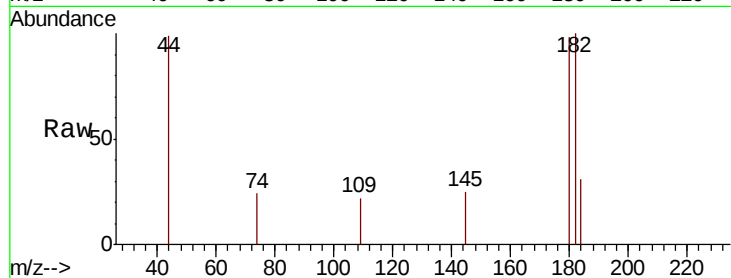




#93
 1,2,4-Trichlorobenzene
 Concen: 0.488 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

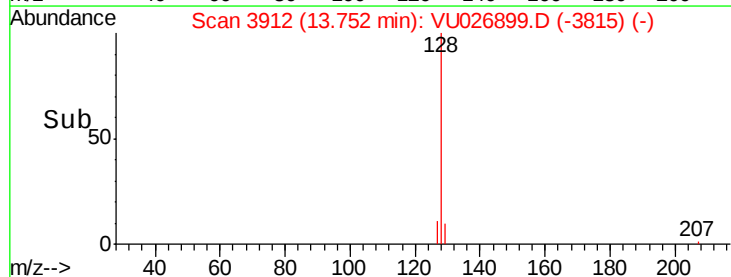
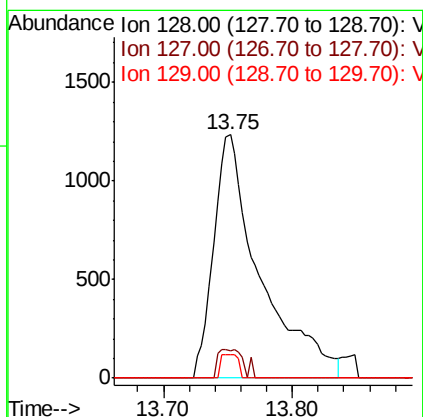
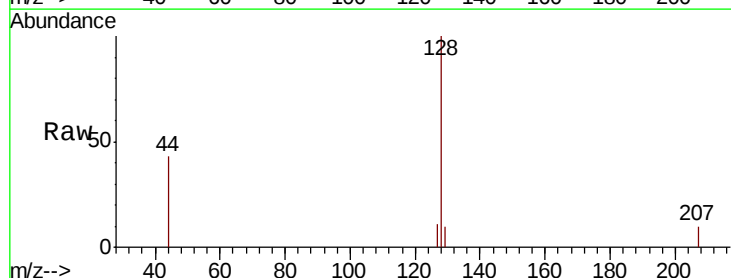
Instrument :
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 ClientSampleId :
 VU0920WBL01

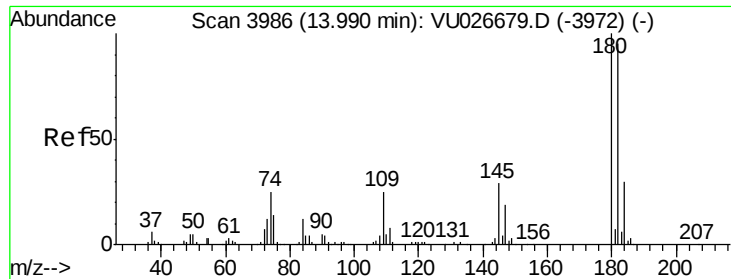
Tgt Ion:180 Resp: 858
 Ion Ratio Lower Upper
 180 100
 182 102.1 47.9 143.7
 145 17.9 14.0 42.0



#95
 Naphthalene
 Concen: 1.528 ug/l
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:128 Resp: 3094
 Ion Ratio Lower Upper
 128 100
 127 6.5 10.4 15.6#
 129 3.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.549 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.00 min
 Lab File: VU026899.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.4	47.9	143.7
145	10.9	14.9	44.9#

