

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011219\
 Data File : VU029148.D
 Acq On : 11 Jan 2019 17:54
 Operator : JC/SP
 Sample : K1136-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-107

Quant Time: Jan 11 23:45:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

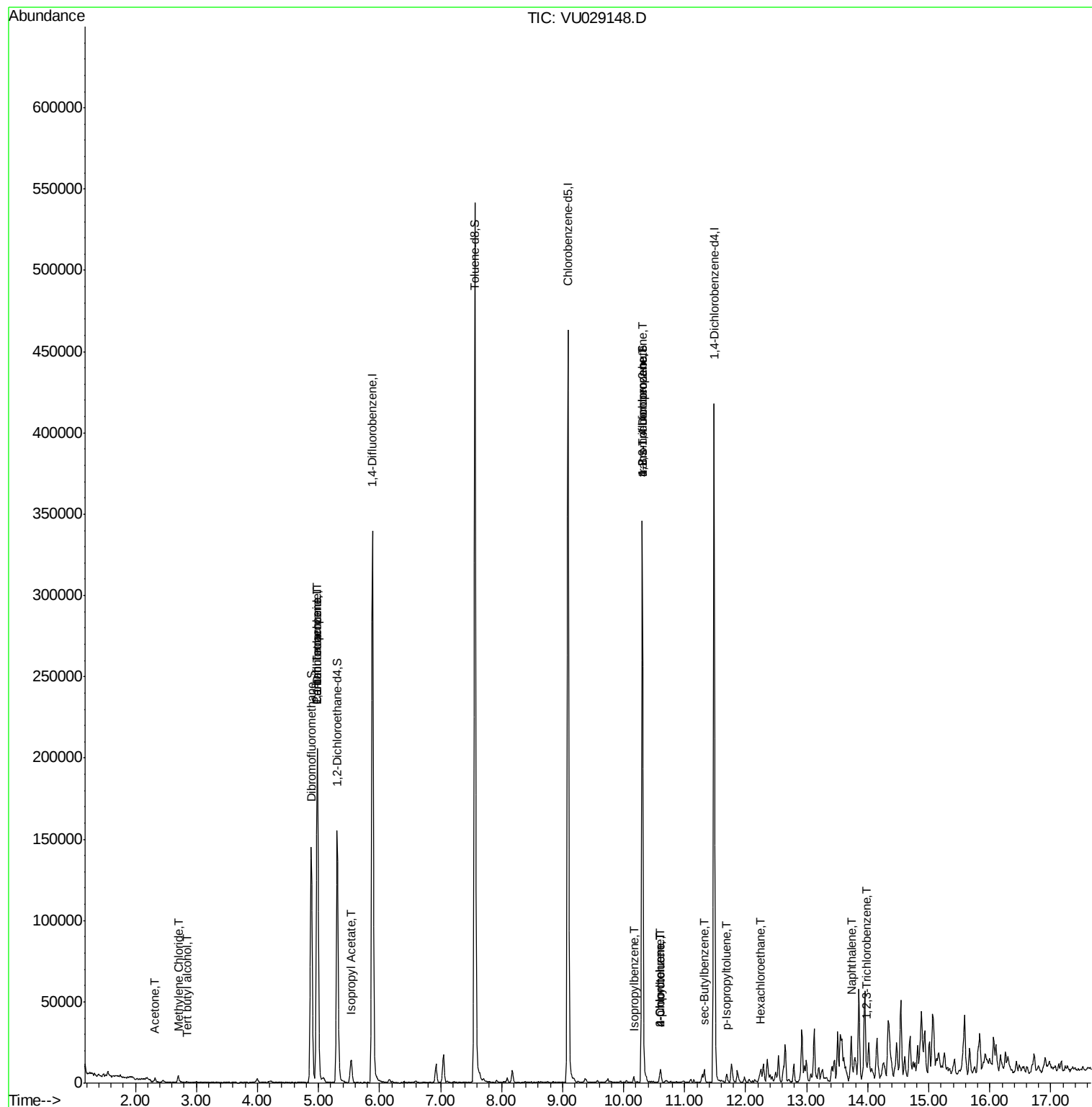
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	170099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295175	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	272969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	111433	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	118768	56.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.96%	
35) Dibromofluoromethane	4.88	113	100382	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
50) Toluene-d8	7.57	98	375660	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	10.30	95	117673	43.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1433	Below Cal		88
5) Bromomethane	1.62	94	131	Below Cal	#	78
11) Tert butyl alcohol	2.84	59	314	0.587 ug/l	#	73
16) Acetone	2.32	43	2995	2.261 ug/l		88
17) Carbon Disulfide	2.48	76	581	Below Cal	#	75
20) Methylene Chloride	2.70	84	1002	0.446 ug/l		96
31) Cyclohexane	4.98	56	3261	Below Cal	#	17
36) 1,1-Dichloropropene	4.98	75	12608	4.273 ug/l	#	47
38) Carbon Tetrachloride	4.98	117	14794	6.012 ug/l	#	17
43) Isopropyl Acetate	5.54	43	2555	0.514 ug/l	#	58
73) Isopropylbenzene	10.17	105	2974	0.361 ug/l		97
76) 1,2,3-Trichloropropane	10.30	75	56885	20.835 ug/l	#	36
78) n-propylbenzene	10.59	91	2725	0.280 ug/l		97
79) 2-Chlorotoluene	10.59	91	2725	0.462 ug/l	#	41
81) trans-1,4-Dichloro-2-buten	10.30	75	56885	53.734 ug/l	#	100
82) 4-Chlorotoluene	10.59	91	2725	0.403 ug/l	#	44
85) sec-Butylbenzene	11.32	105	5805	0.707 ug/l		86
86) p-Isopropyltoluene	11.69	119	3041	0.435 ug/l		98
90) Hexachloroethane	12.24	117	668	0.568 ug/l	#	7
95) Naphthalene	13.74	128	4441	0.515 ug/l	#	55
96) 1,2,3-Trichlorobenzene	13.99	180	418	0.933 ug/l	#	86

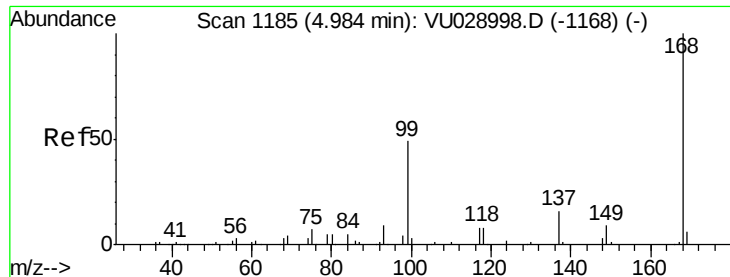
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

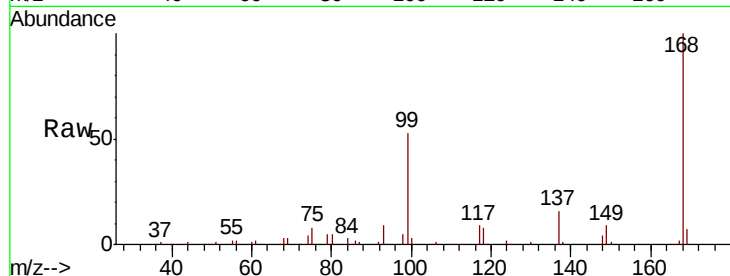
MW-107

Tgt Ion:168 Resp: 170099

Ion Ratio Lower Upper

168 100

99 53.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

80000

60000

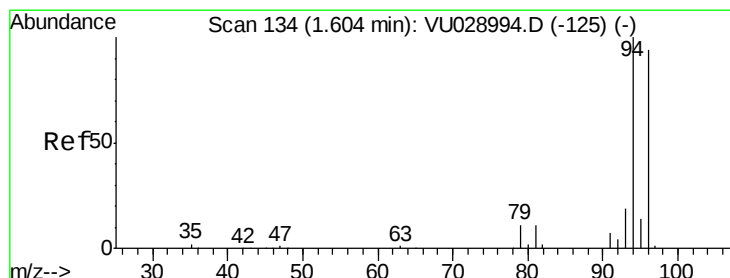
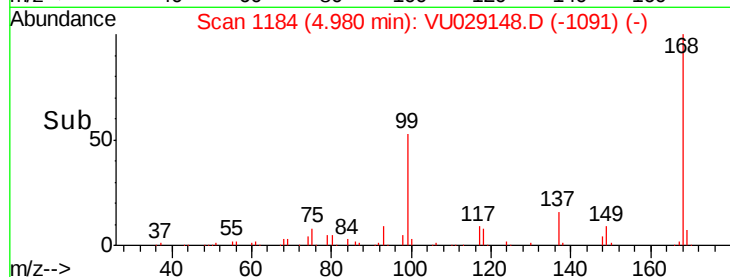
40000

20000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU029148.D

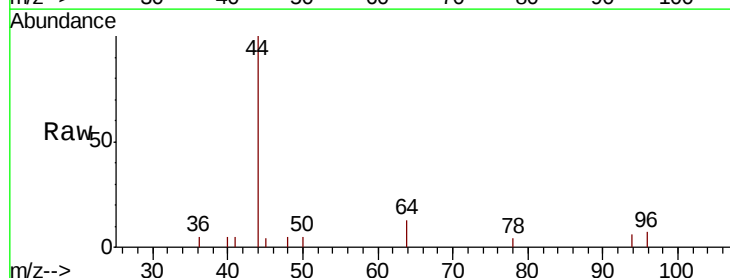
Acq: 11 Jan 2019 17:54

Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

94 100

96 116.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)

300

250

200

150

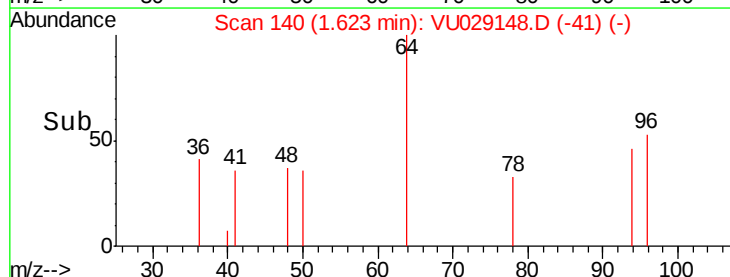
100

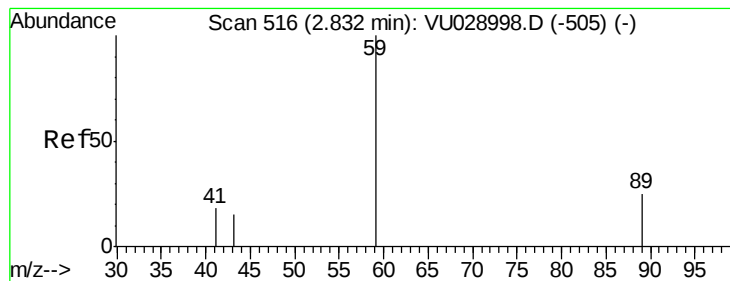
50

0

Time-->

1.61 1.62 1.63 1.64





#11

Tert butyl alcohol

Concen: 0.587 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

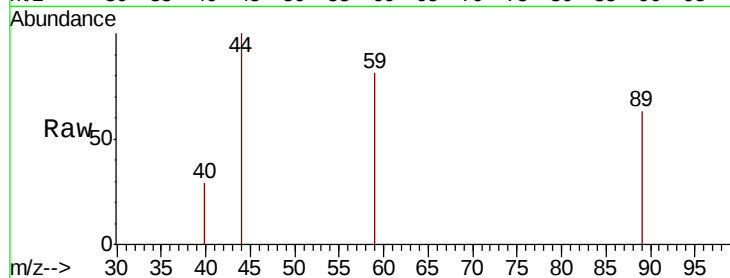
MW-107

Tgt Ion: 59 Resp: 314

Ion Ratio Lower Upper

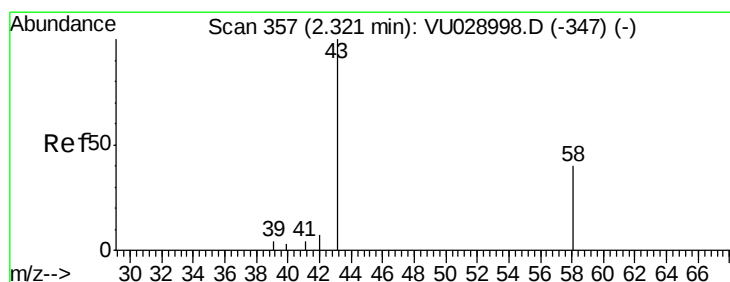
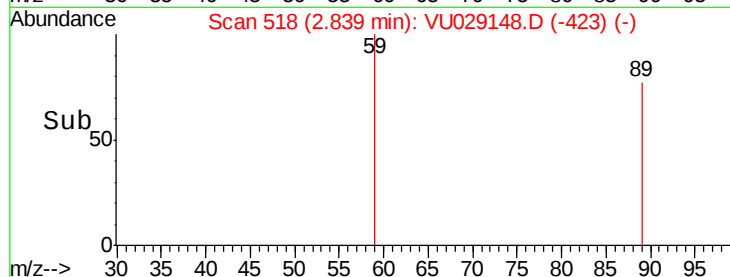
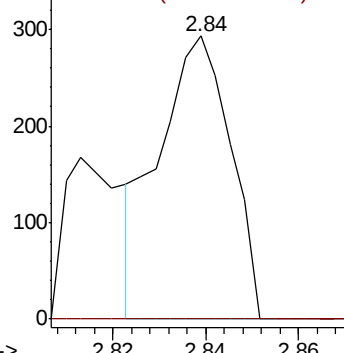
59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#16

Acetone

Concen: 2.261 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU029148.D

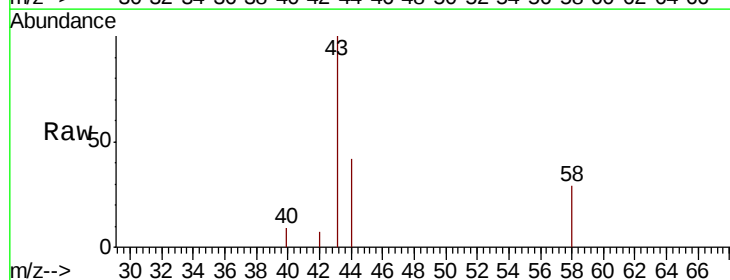
Acq: 11 Jan 2019 17:54

Tgt Ion: 43 Resp: 2995

Ion Ratio Lower Upper

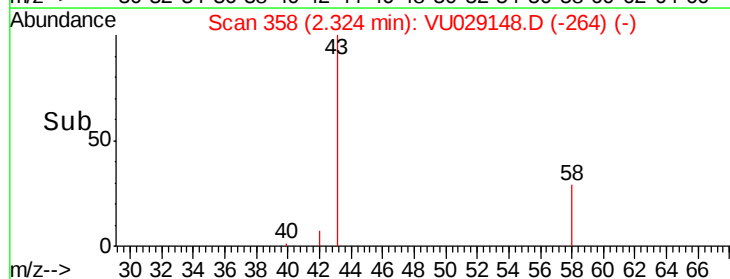
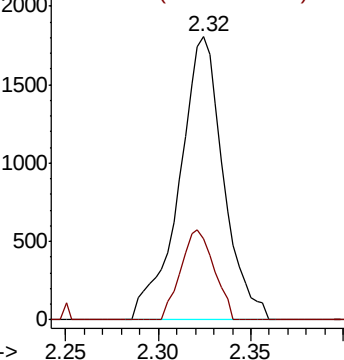
43 100

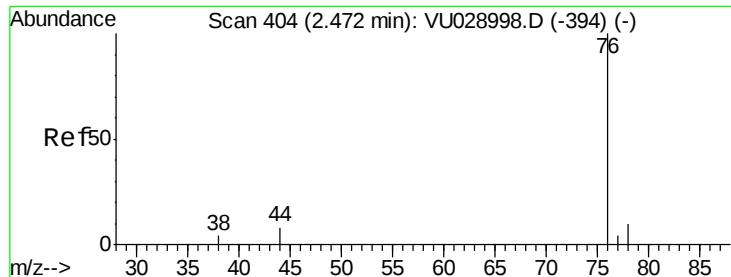
58 28.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Instrument :

MSVOA_U

ClientSampled :

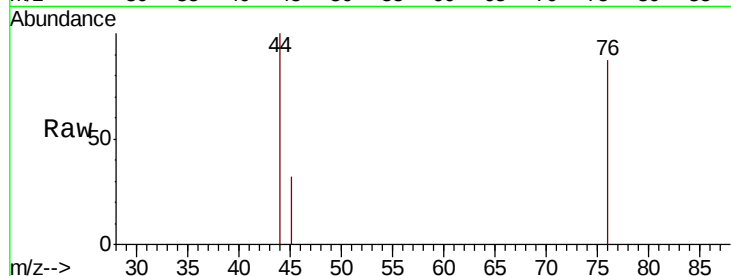
MW-107

Tgt Ion: 76 Resp: 581

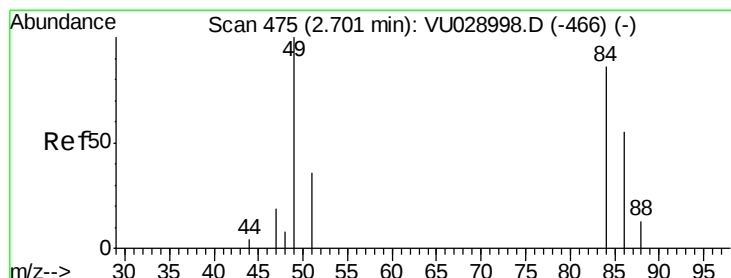
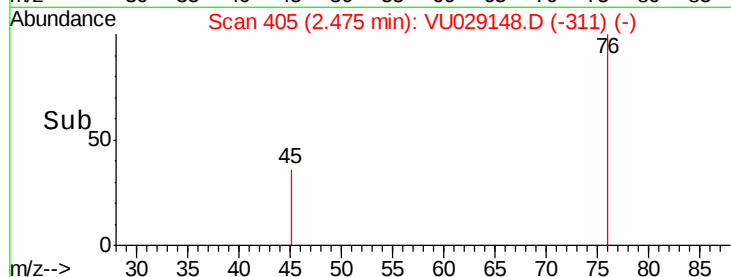
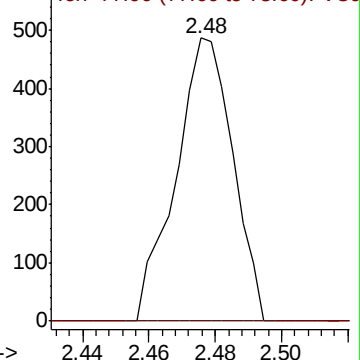
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU029148.D (-311) (-)



#20

Methylene Chloride

Concen: 0.446 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Tgt Ion: 84 Resp: 1002

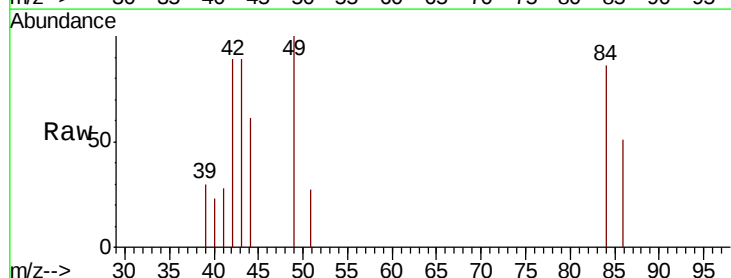
Ion Ratio Lower Upper

84 100

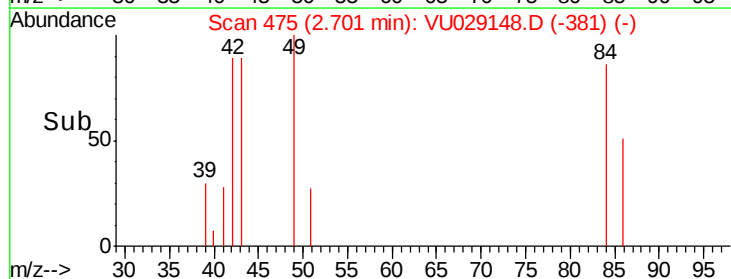
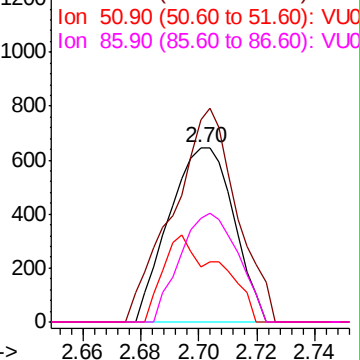
49 115.9 91.9 137.9

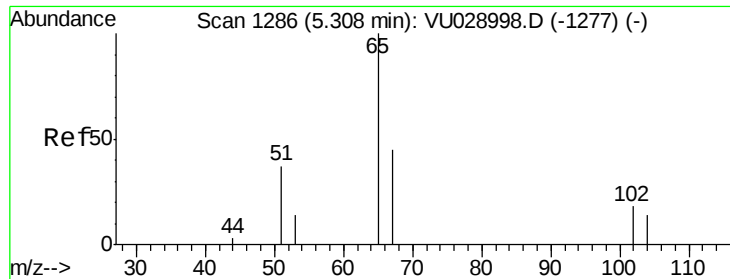
51 31.8 29.2 43.8

86 59.7 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VU029148.D (-381) (-)

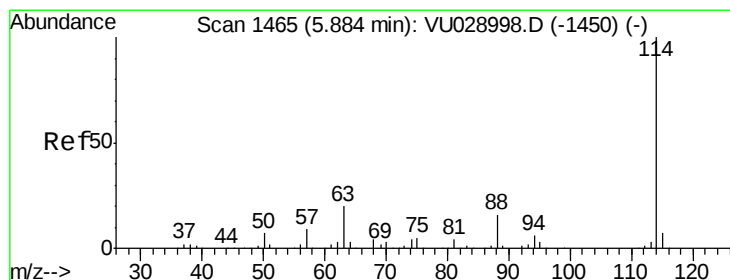
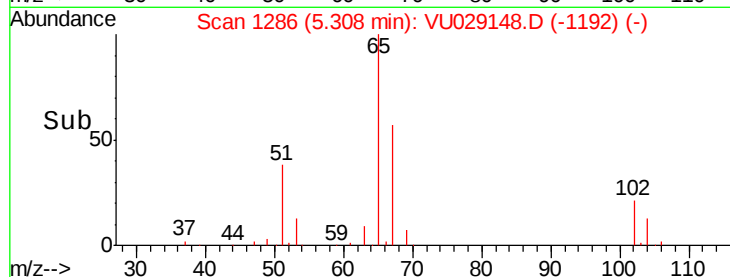
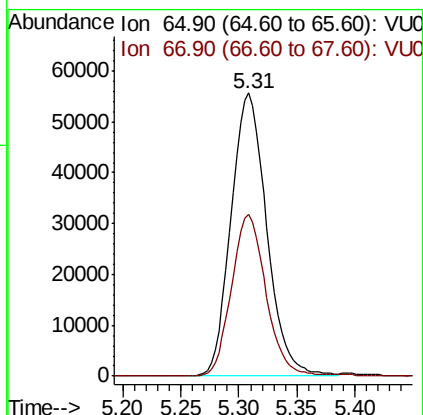
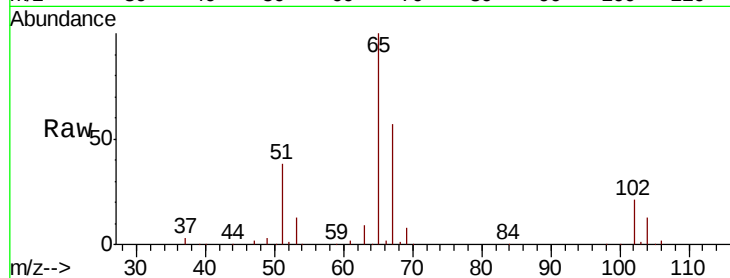




#33
 1,2-Dichloroethane-d4
 Concen: 56.482 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

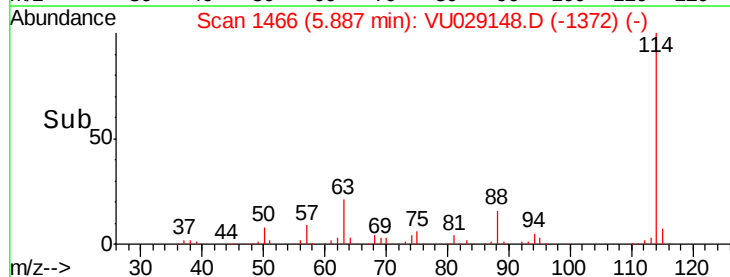
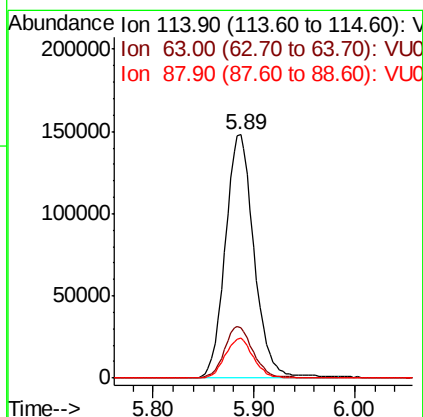
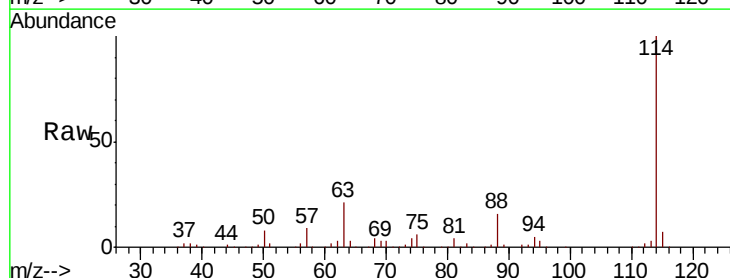
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-107

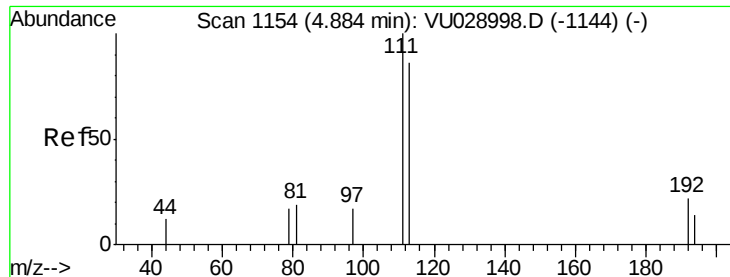
Tgt Ion: 65 Resp: 118768
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

Tgt Ion: 114 Resp: 295175
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 16.3 0.0 30.4

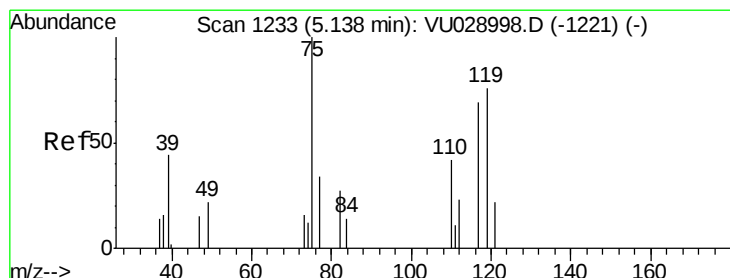
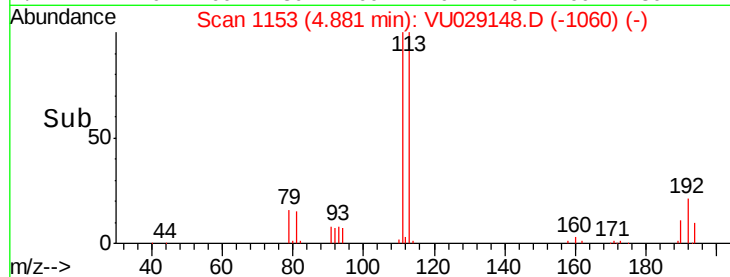
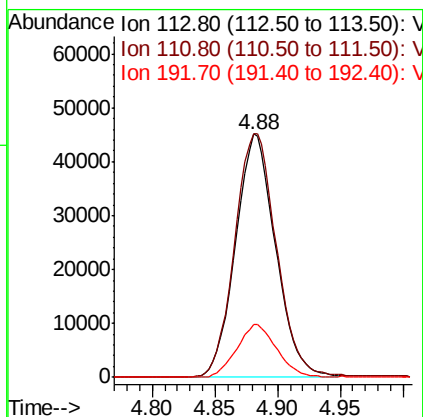
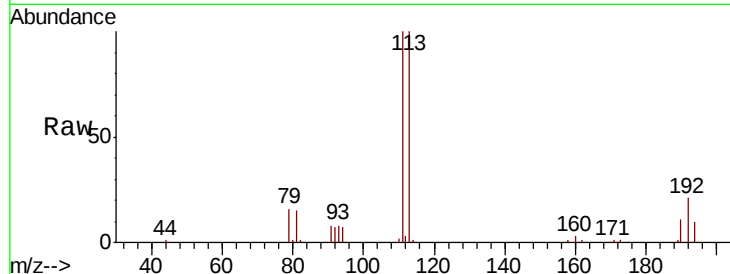




#35
 Dibromofluoromethane
 Concen: 52.462 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

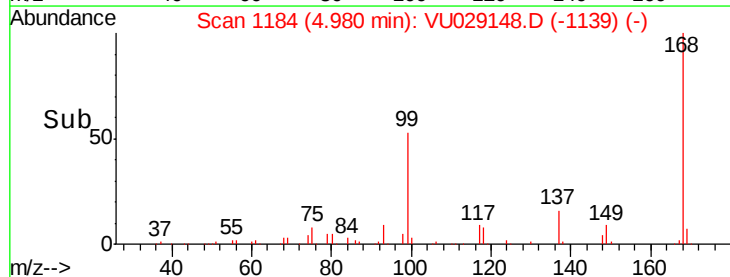
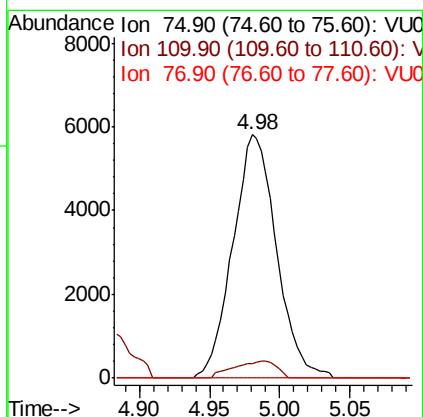
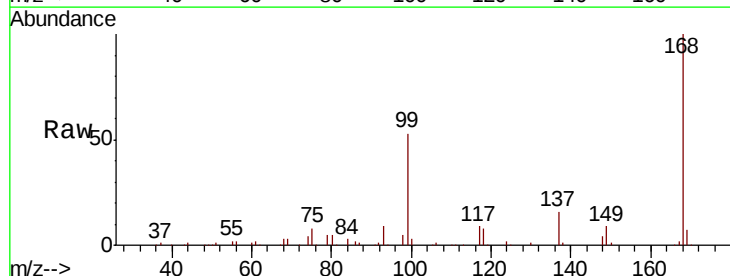
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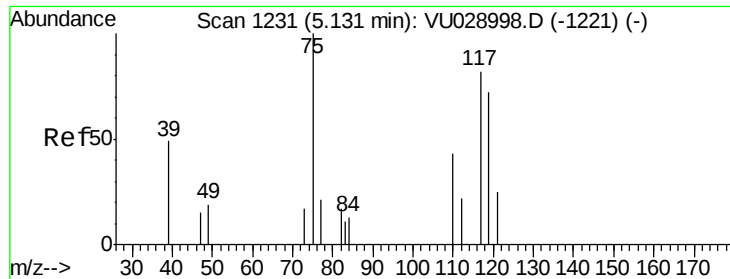
Tgt Ion:113 Resp: 100382
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.273 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

Tgt Ion: 75 Resp: 12608
 Ion Ratio Lower Upper
 75 100
 110 6.9 18.4 55.4#
 77 0.0 25.1 37.7#

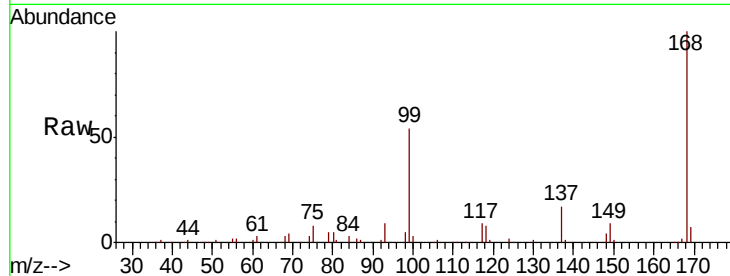




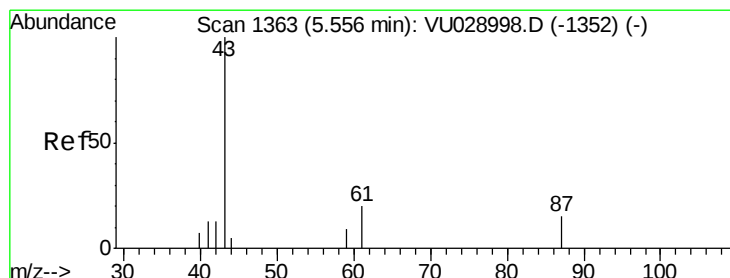
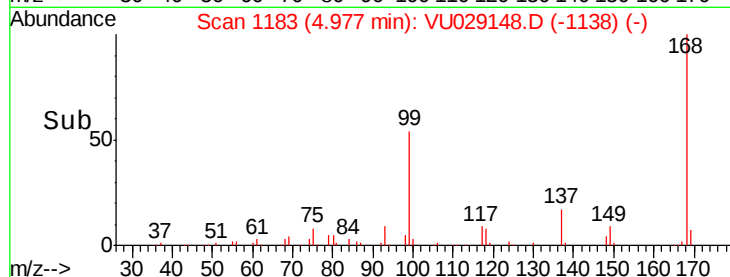
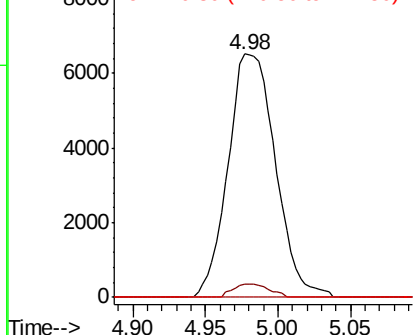
#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 4.98 min Scan# 1183
Delta R.T. -0.15 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Instrument :
MSVOA_U
ClientSampleId :
MW-107

Tgt Ion:117 Resp: 14794
Ion Ratio Lower Upper
117 100
119 5.4 74.6 111.8#
121 0.0 25.0 37.6#

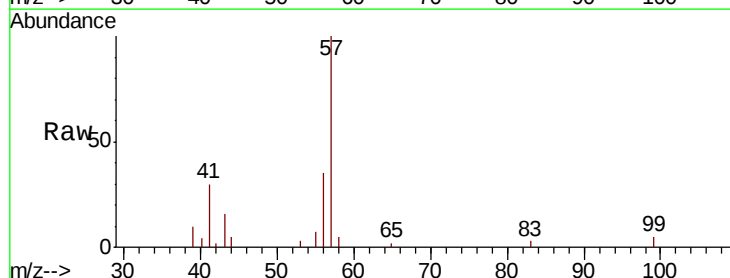


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

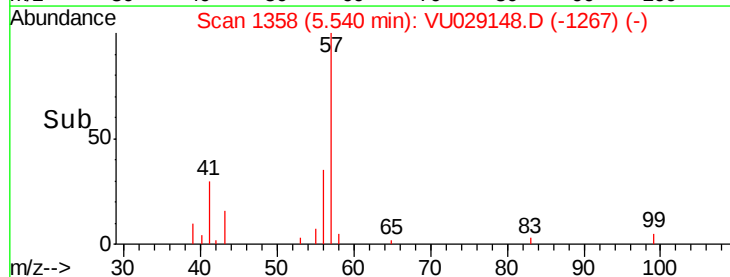
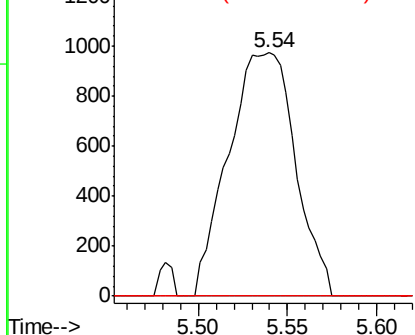


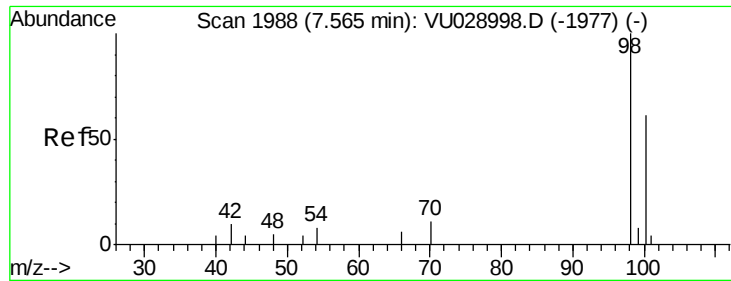
#43
Isopropyl Acetate
Concen: 0.514 ug/l
RT: 5.54 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Tgt Ion: 43 Resp: 2555
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 11.3 16.9#



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

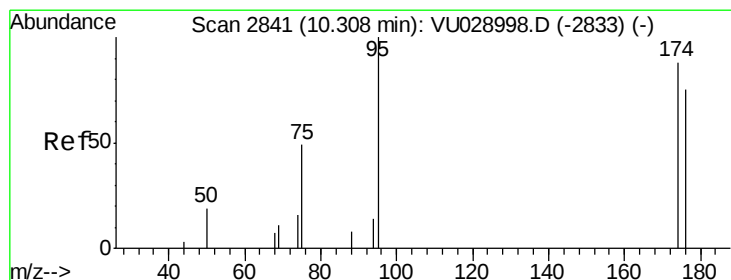
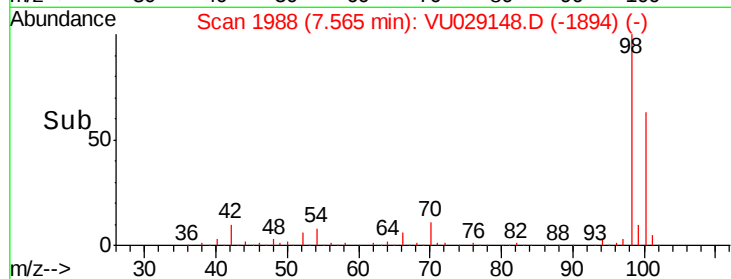
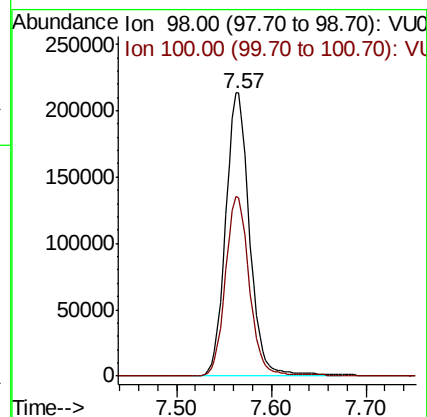
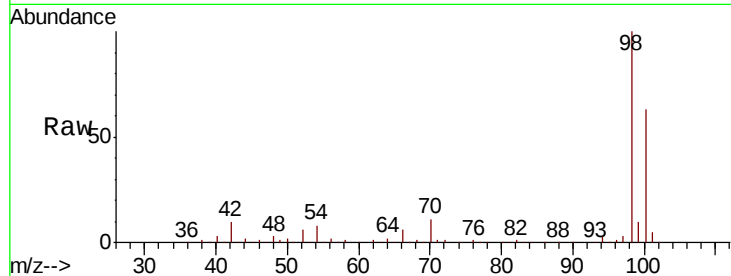




#50
Toluene-d8
Concen: 49.731 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

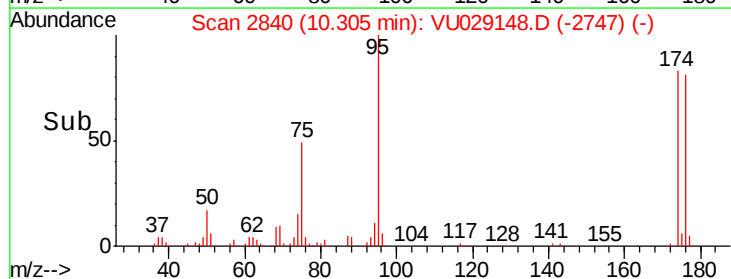
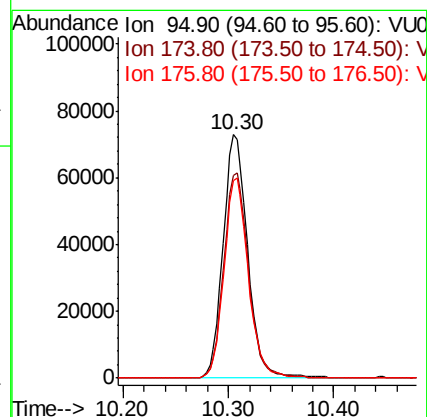
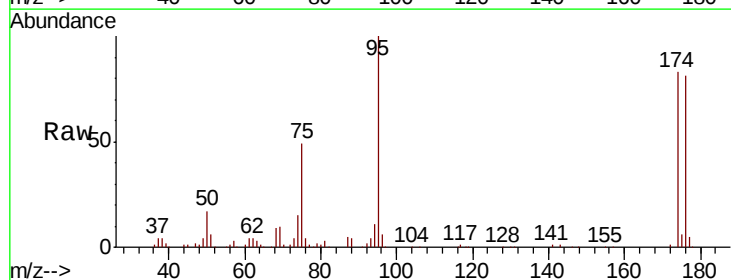
Instrument :
MSVOA_U
ClientSampleId :
MW-107

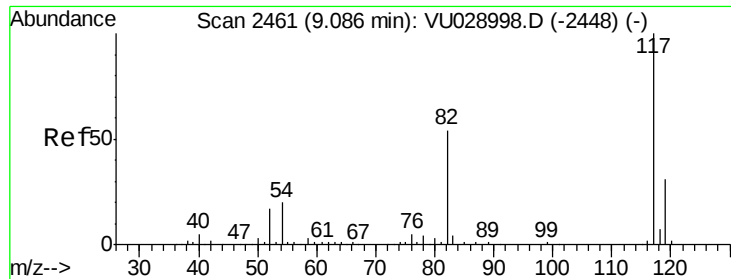
Tgt Ion: 98 Resp: 375660
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.346 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Tgt Ion: 95 Resp: 117673
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.6
176 81.6 0.0 165.0

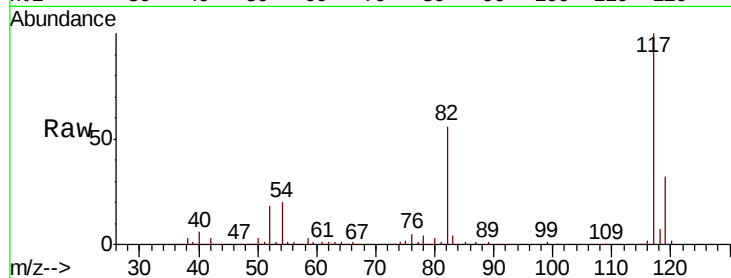




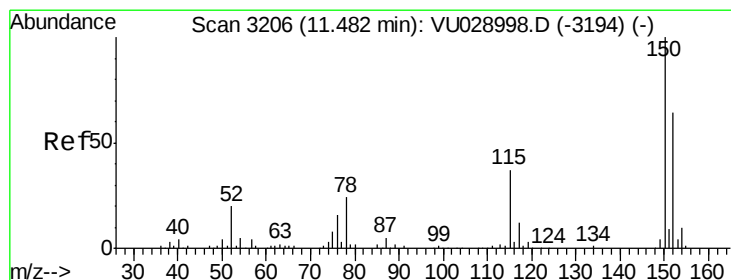
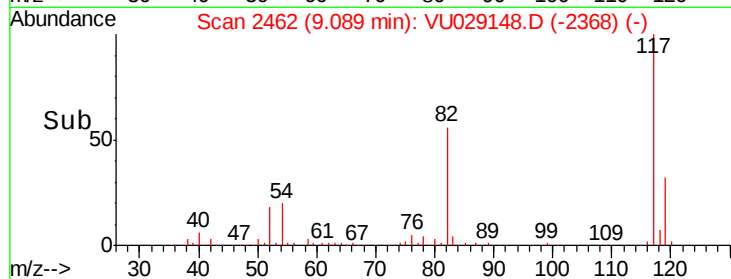
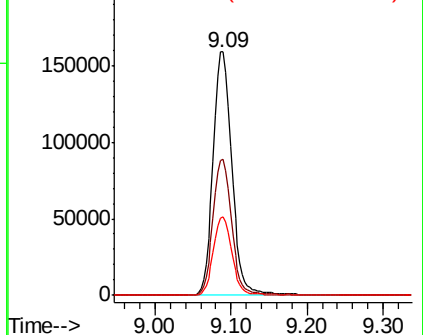
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Instrument :
MSVOA_U
ClientSampleId :
MW-107

Tgt Ion:117 Resp: 272969
Ion Ratio Lower Upper
117 100
82 55.7 43.9 65.9
119 32.4 26.0 39.0

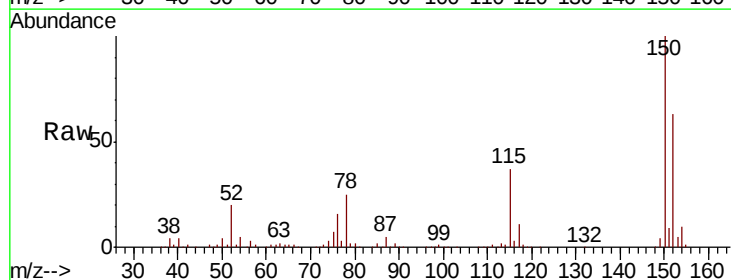


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

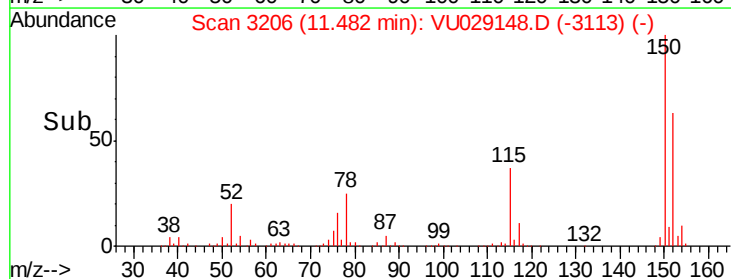
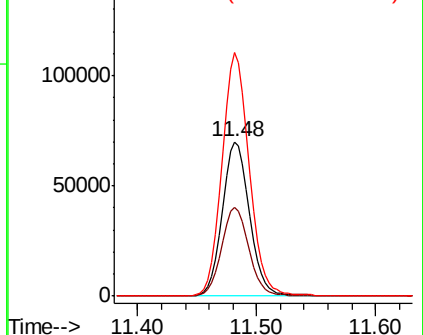


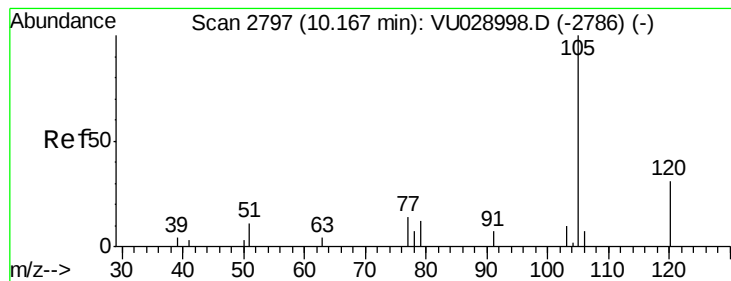
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Tgt Ion:152 Resp: 111433
Ion Ratio Lower Upper
152 100
115 57.7 40.1 120.3
150 157.2 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





#73

Isopropylbenzene

Concen: 0.361 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

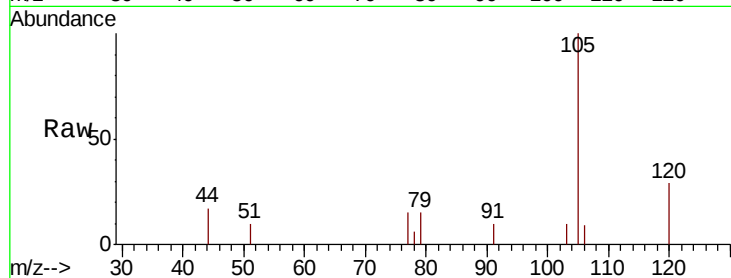
MW-107

Tgt Ion: 105 Resp: 2974

Ion Ratio Lower Upper

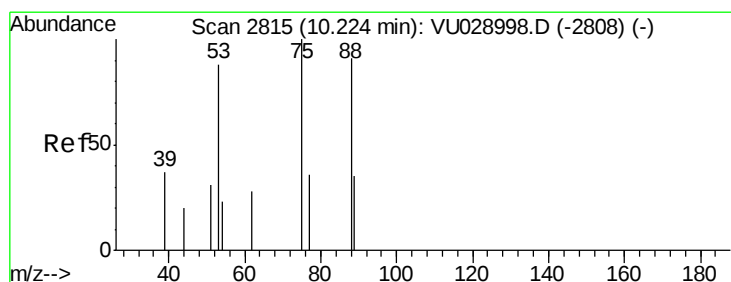
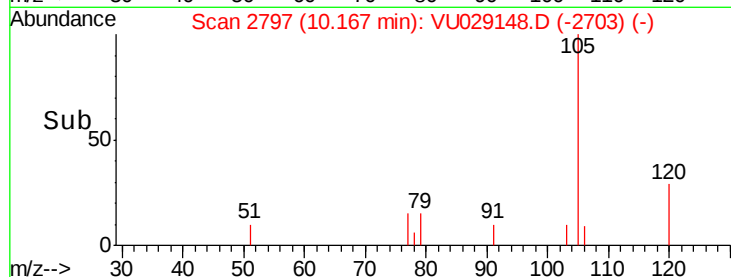
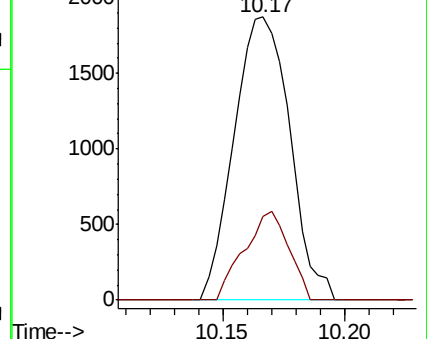
105 100

120 24.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 20.835 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029148.D

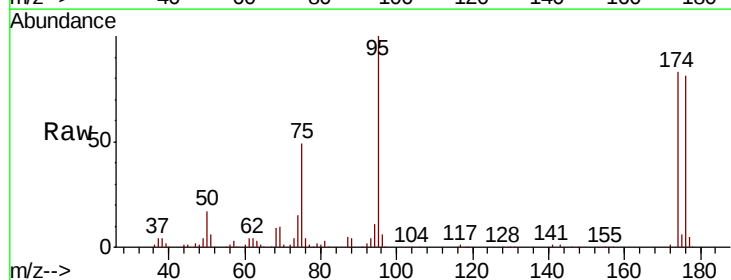
Acq: 11 Jan 2019 17:54

Tgt Ion: 75 Resp: 56885

Ion Ratio Lower Upper

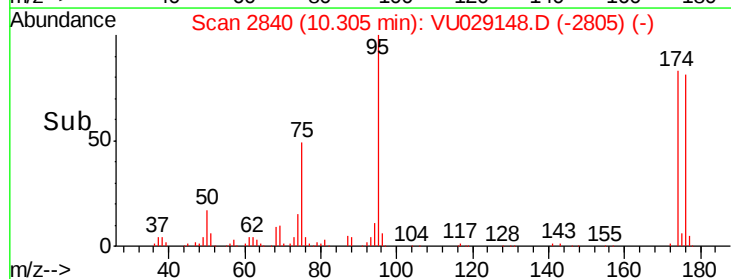
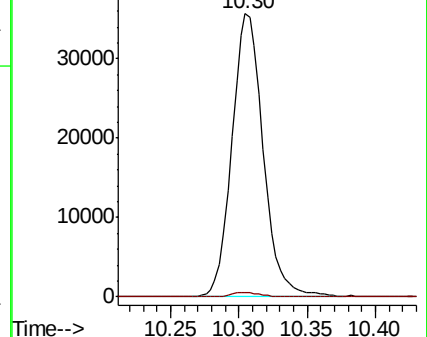
75 100

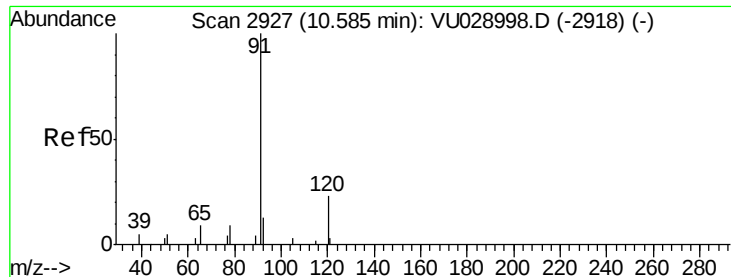
77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.280 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

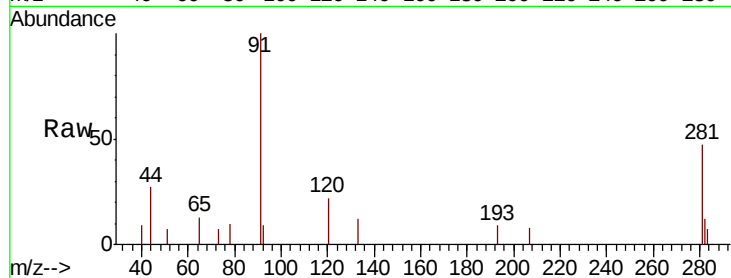
MW-107

Tgt Ion: 91 Resp: 2725

Ion Ratio Lower Upper

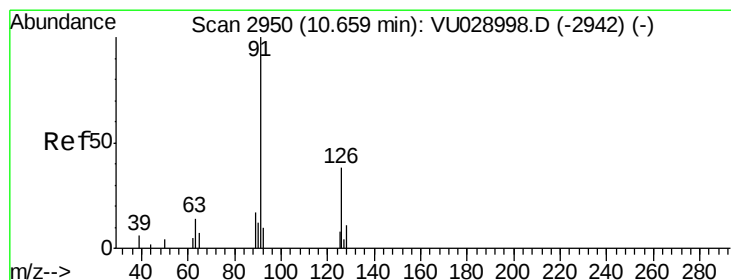
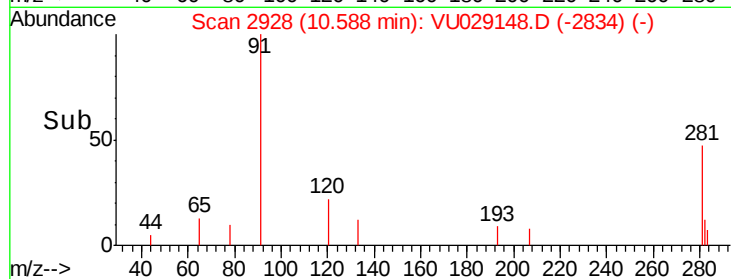
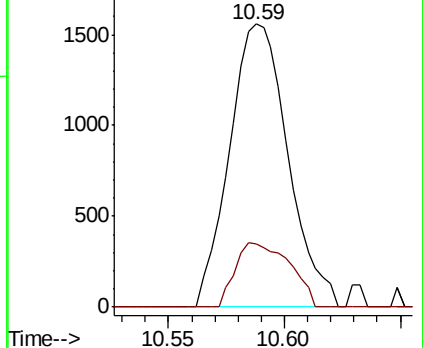
91 100

120 21.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.462 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU029148.D

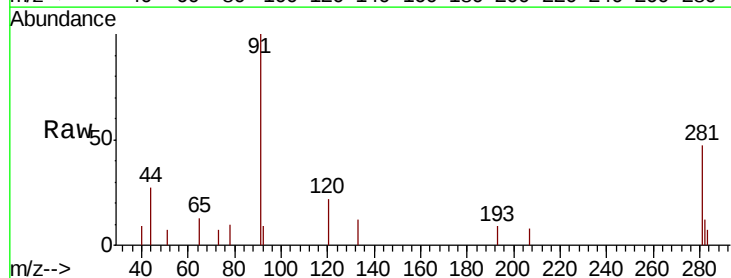
Acq: 11 Jan 2019 17:54

Tgt Ion: 91 Resp: 2725

Ion Ratio Lower Upper

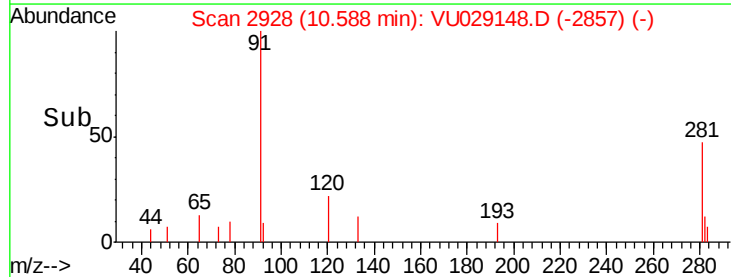
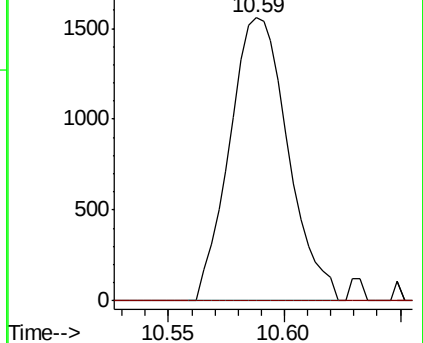
91 100

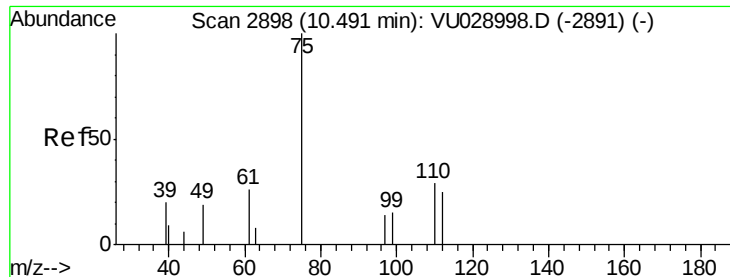
126 0.0 16.8 50.4#



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: 53.734 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029148.D

Acq: 11 Jan 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

MW-107

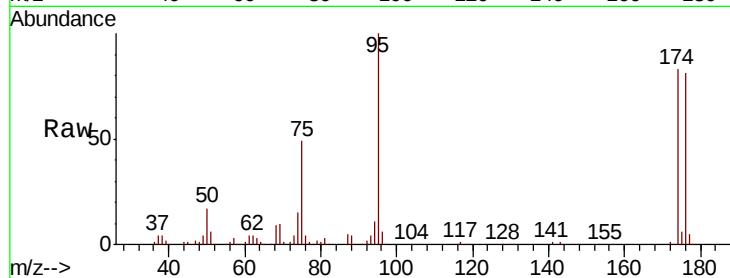
Tgt Ion: 75 Resp: 56885

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

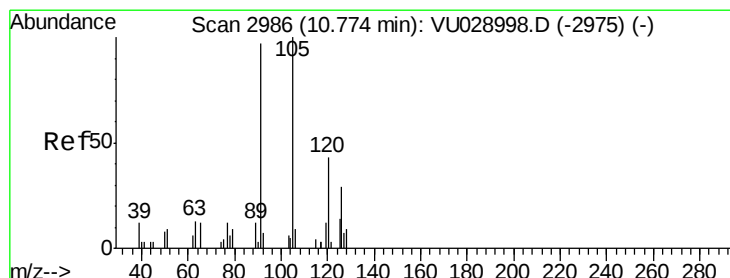
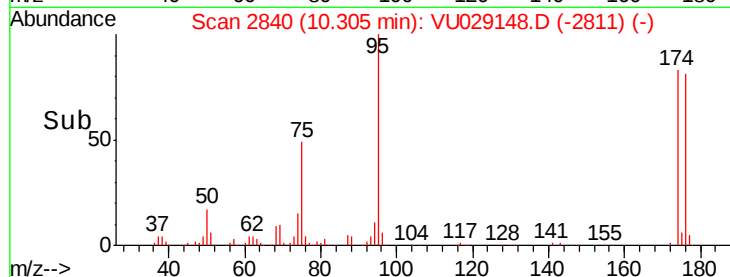
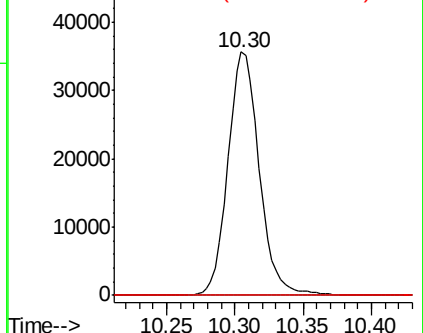
89 0.0 0.0 0.0



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



#82

4-Chlorotoluene

Concen: 0.403 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.18 min

Lab File: VU029148.D

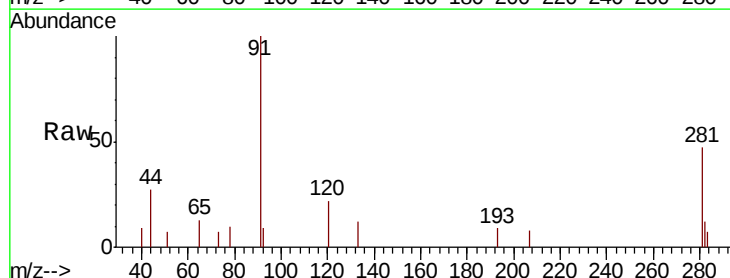
Acq: 11 Jan 2019 17:54

Tgt Ion: 91 Resp: 2725

Ion Ratio Lower Upper

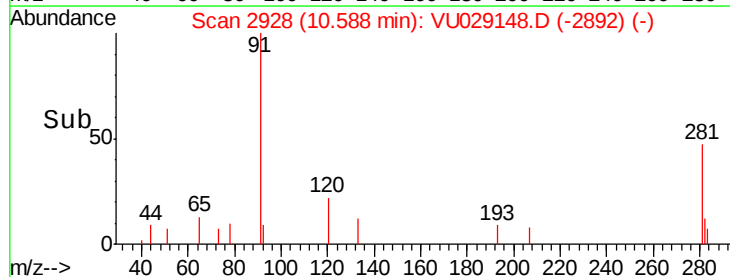
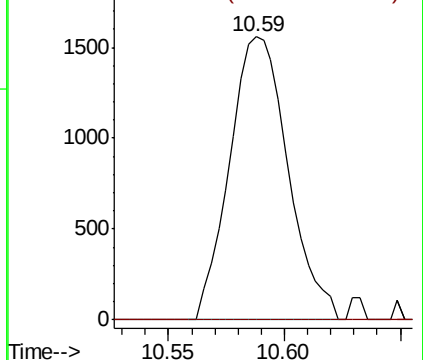
91 100

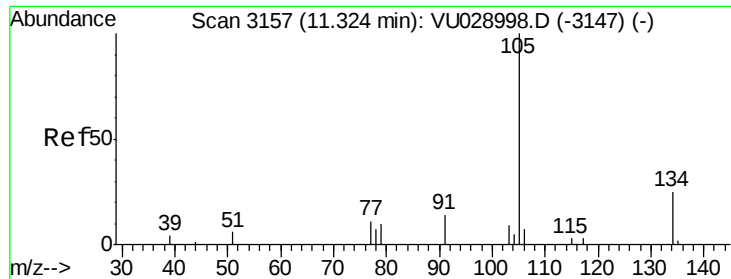
126 0.0 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

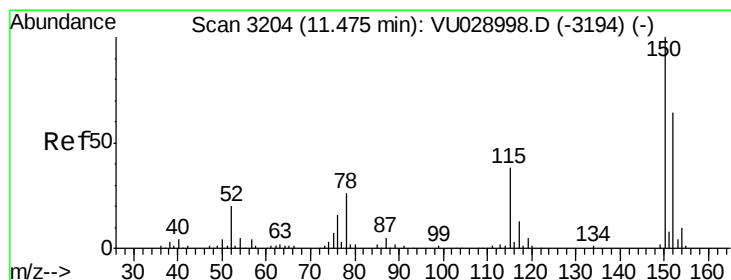
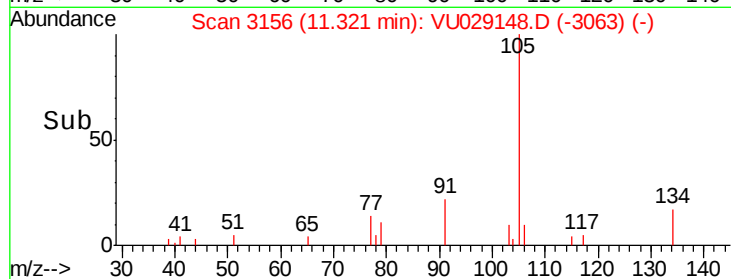
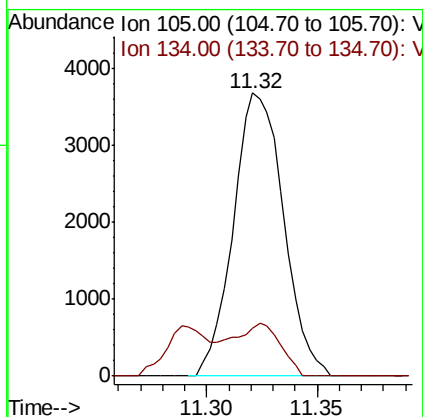
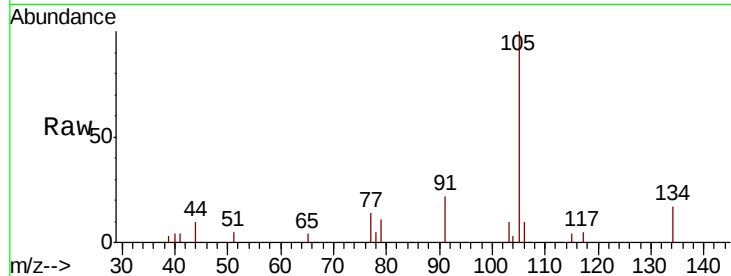




#85
 sec-Butylbenzene
 Concen: 0.707 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

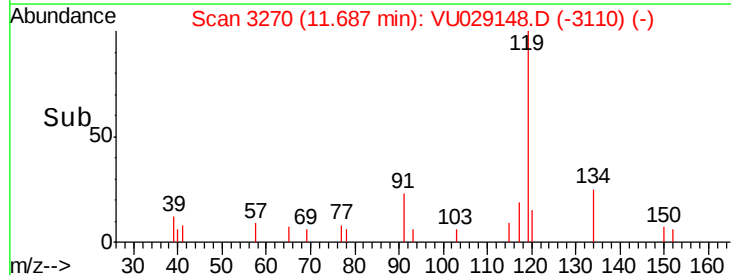
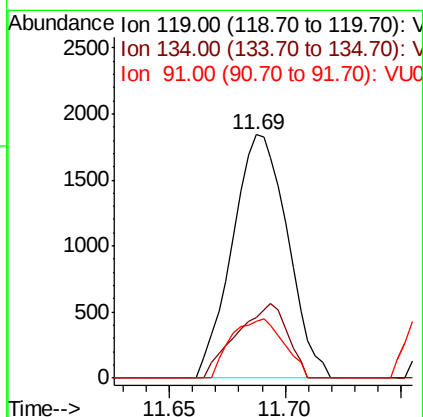
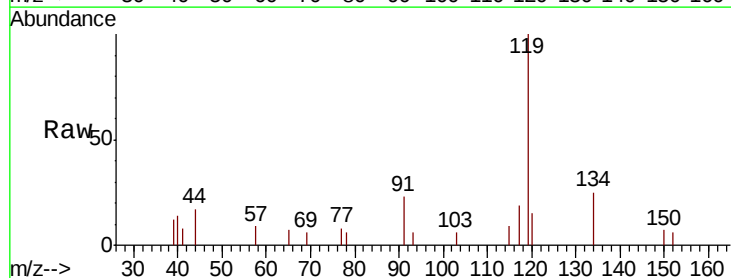
Instrument :
 MSVOA_U
 ClientSampleId :
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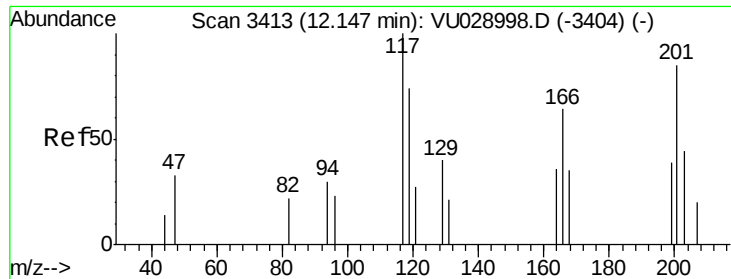
Tgt Ion:105 Resp: 5805
 Ion Ratio Lower Upper
 105 100
 134 12.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 0.435 ug/l
 RT: 11.69 min Scan# 3270
 Delta R.T. 0.22 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

Tgt Ion:119 Resp: 3041
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.5 40.4
 91 23.2 11.3 33.8

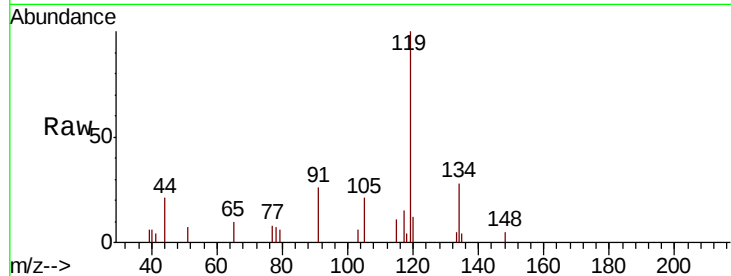




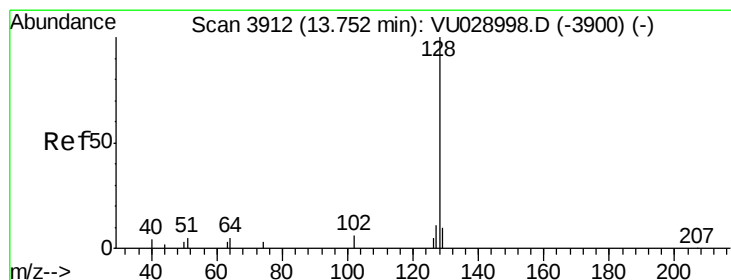
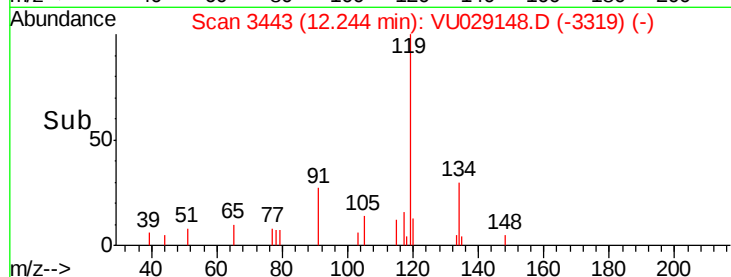
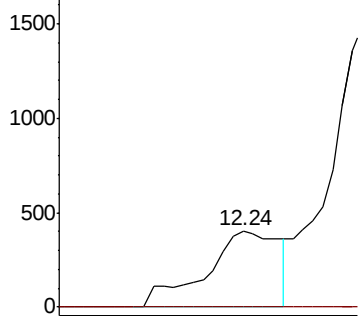
#90
Hexachloroethane
Concen: 0.568 ug/l
RT: 12.24 min Scan# 3443
Delta R.T. 0.10 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Instrument :
MSVOA_U
ClientSampleId :
MW-107

Tgt Ion:117 Resp: 668
Ion Ratio Lower Upper
117 100
201 0.0 42.4 127.3#

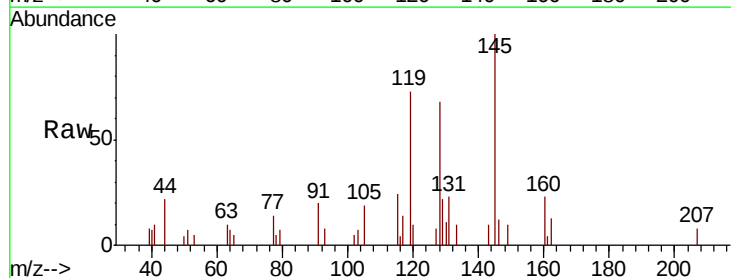


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

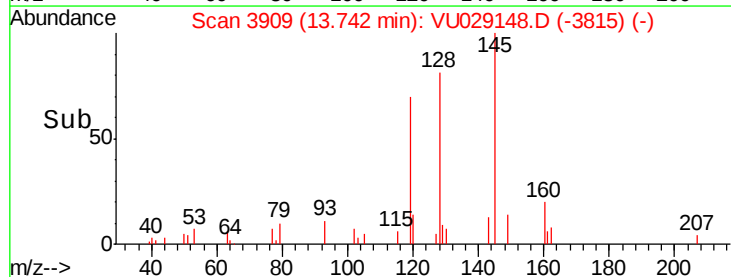
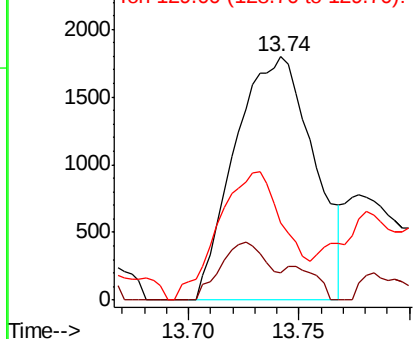


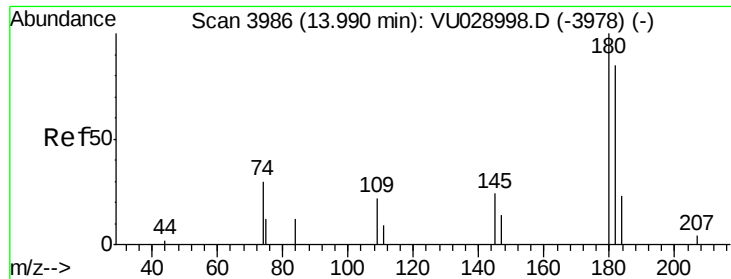
#95
Naphthalene
Concen: 0.515 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029148.D
Acq: 11 Jan 2019 17:54

Tgt Ion:128 Resp: 4441
Ion Ratio Lower Upper
128 100
127 14.7 10.1 15.1
129 44.9 8.5 12.7#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.933 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU029148.D
 Acq: 11 Jan 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-107

Tgt Ion:180 Resp: 418
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.1 144.3
 145 0.0 14.8 44.4#

