

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029121.D
 Acq On : 10 Jan 2019 16:17
 Operator : MD/SY
 Sample : K1122-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-1

Quant Time: Jan 11 02:48:09 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

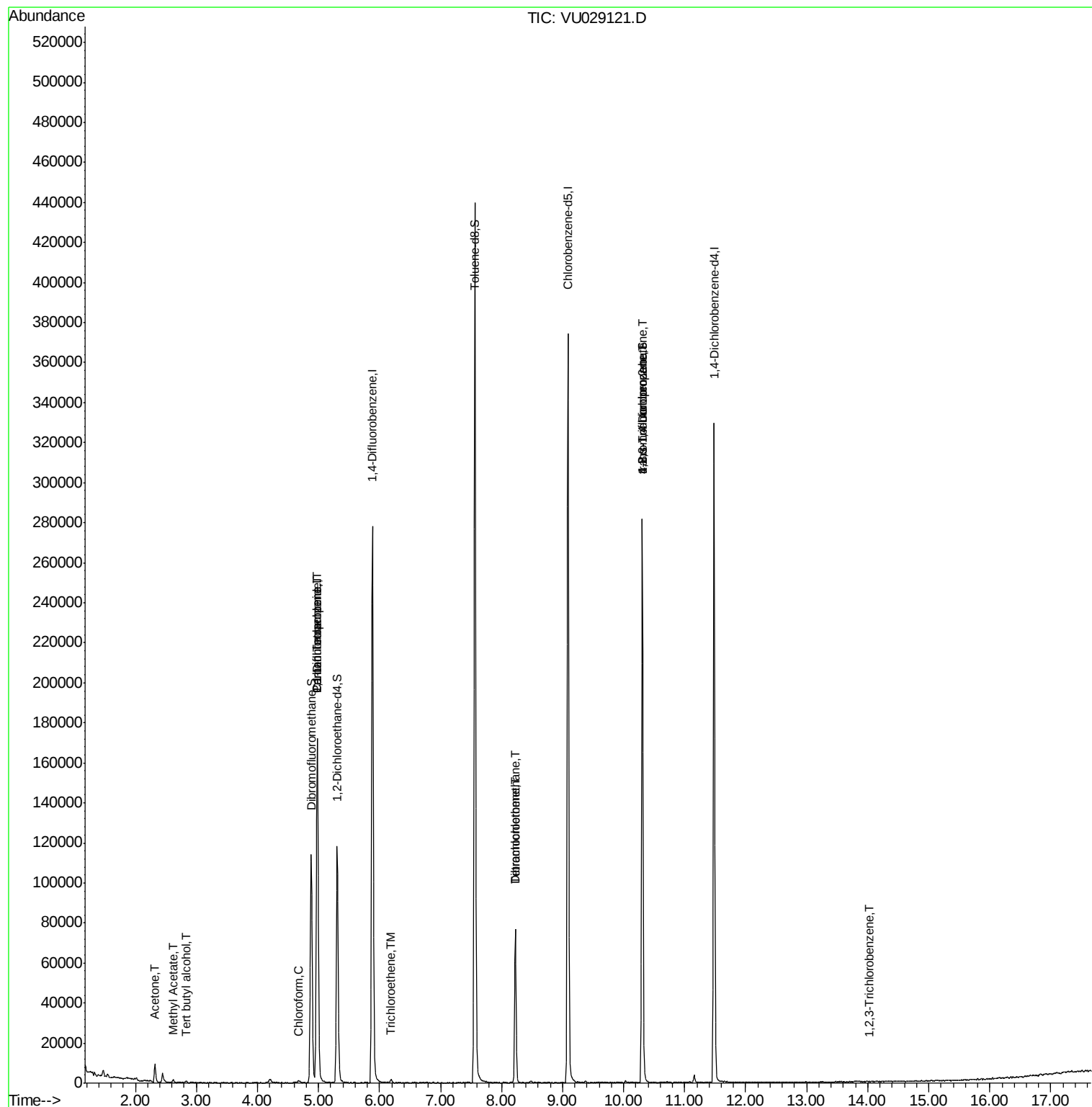
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	144233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	247586	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	221894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	91333	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	91291	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
35) Dibromofluoromethane	4.88	113	80440	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
50) Toluene-d8	7.56	98	310392	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	10.31	95	99443	43.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.34%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1120	Below Cal		92
11) Tert butyl alcohol	2.83	59	564	1.244 ug/l #		73
16) Acetone	2.32	43	9682	8.620 ug/l		93
17) Carbon Disulfide	2.48	76	606	Below Cal #		75
18) Methyl Acetate	2.62	43	2207	0.845 ug/l #		89
30) Chloroform	4.67	83	1250	0.419 ug/l #		83
31) Cyclohexane	4.99	56	2411	Below Cal #		1
36) 1,1-Dichloropropene	4.98	75	10108	4.084 ug/l #		47
38) Carbon Tetrachloride	4.98	117	12728	6.167 ug/l #		16
44) Trichloroethene	6.19	130	591	0.309 ug/l		84
60) Dibromochloromethane	8.22	129	17457	9.360 ug/l #		11
64) Tetrachloroethene	8.23	164	19061	11.925 ug/l		98
76) 1,2,3-Trichloropropane	10.30	75	46490	20.775 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.30	75	46490	53.579 ug/l #		100
96) 1,2,3-Trichlorobenzene	14.02	180	45	0.796 ug/l #		12

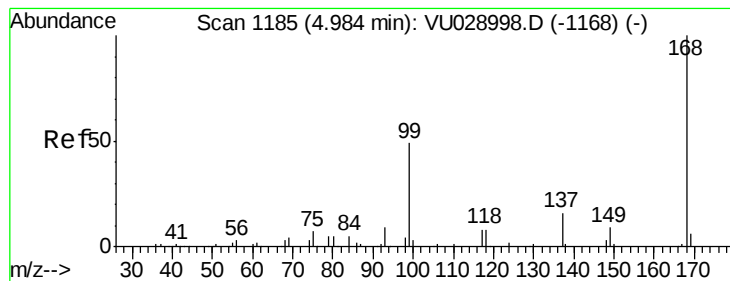
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029121.D

Acq: 10 Jan 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

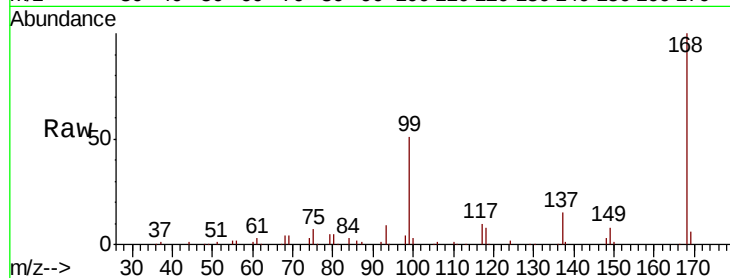
TWP-1

Tgt Ion:168 Resp: 144233

Ion Ratio Lower Upper

168 100

99 51.0 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

60000

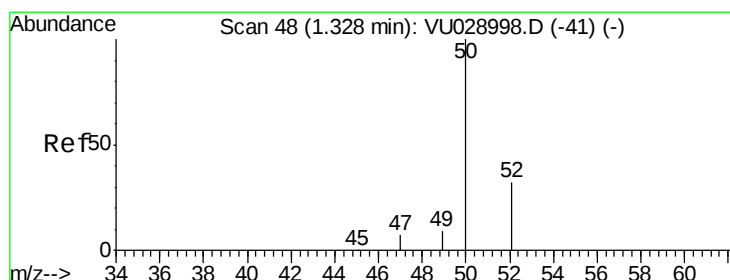
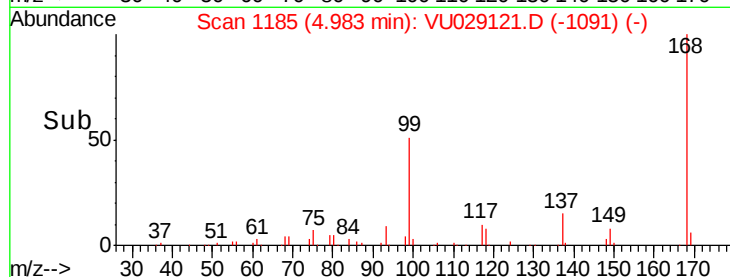
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029121.D

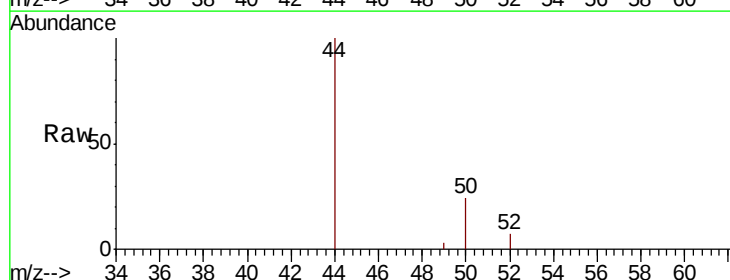
Acq: 10 Jan 2019 16:17

Tgt Ion: 50 Resp: 1120

Ion Ratio Lower Upper

50 100

52 28.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.33

1000

800

600

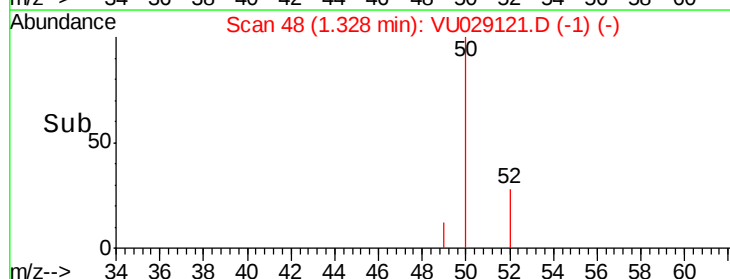
400

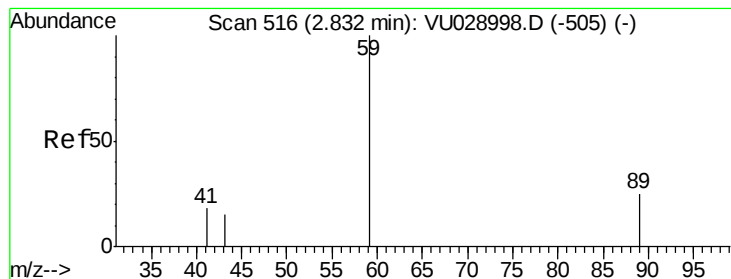
200

0

1.30 1.32 1.34 1.36

Time-->





#11

Tert butyl alcohol

Concen: 1.244 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029121.D

Acq: 10 Jan 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

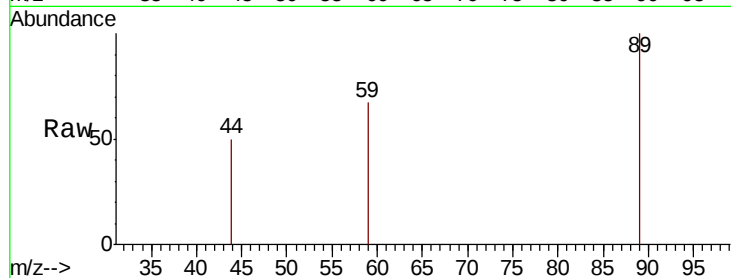
TWP-1

Tgt Ion: 59 Resp: 564

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU028998.D (-505) (-)

Ion 57.00 (56.70 to 57.70): VU028998.D (-505) (-)

2.83

300

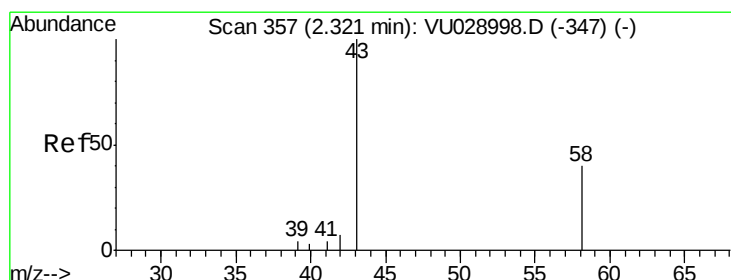
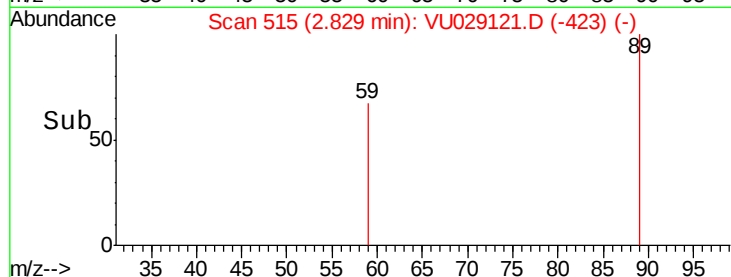
200

100

0

2.80 2.82 2.84 2.86

Time-->



#16

Acetone

Concen: 8.620 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029121.D

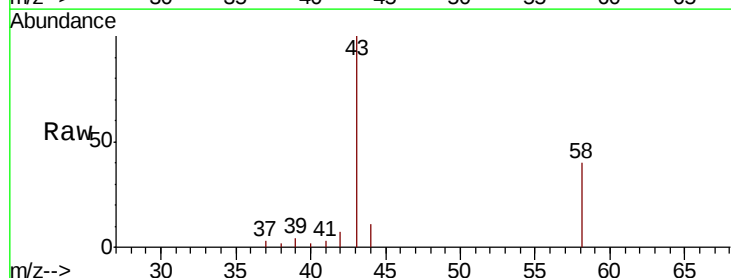
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 9682

Ion Ratio Lower Upper

43 100

58 39.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-347) (-)

2.32

6000

5000

4000

3000

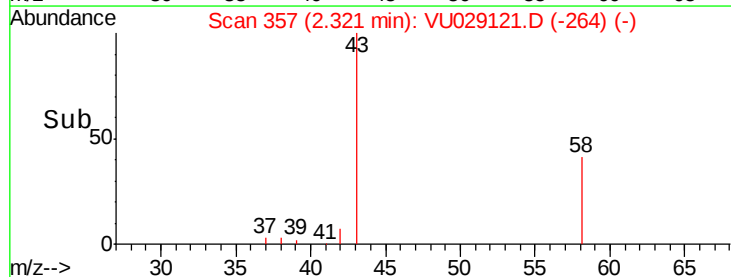
2000

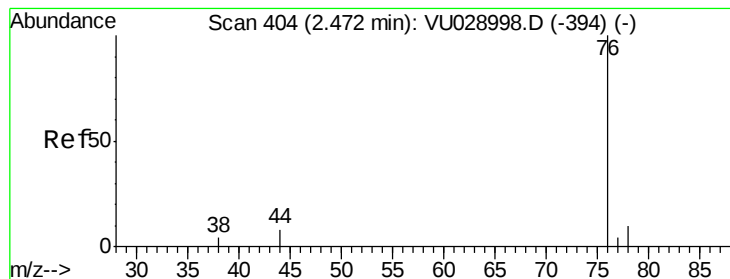
1000

0

2.25 2.30 2.35 2.40

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029121.D

Acq: 10 Jan 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

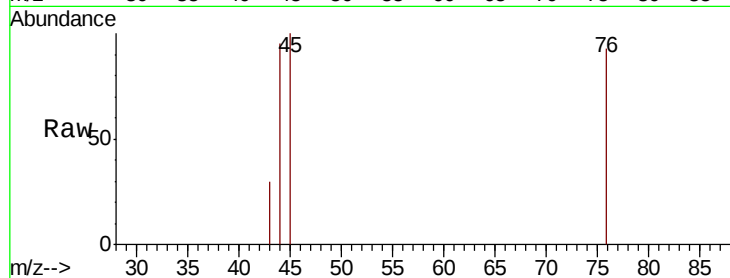
TWP-1

Tgt Ion: 76 Resp: 606

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU029121.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029121.D (-311) (-)

2.48

400

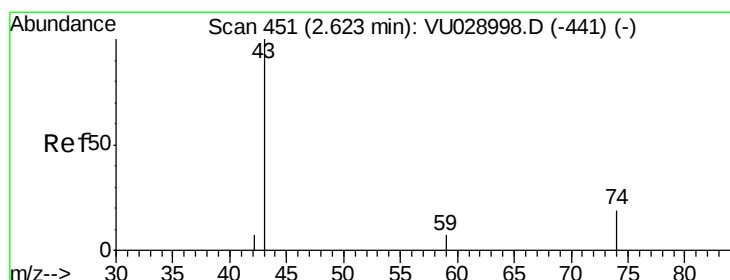
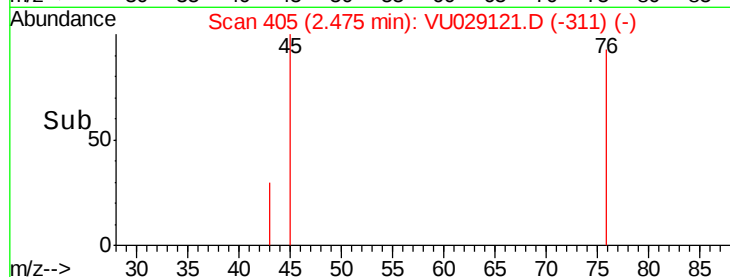
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 0.845 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU029121.D

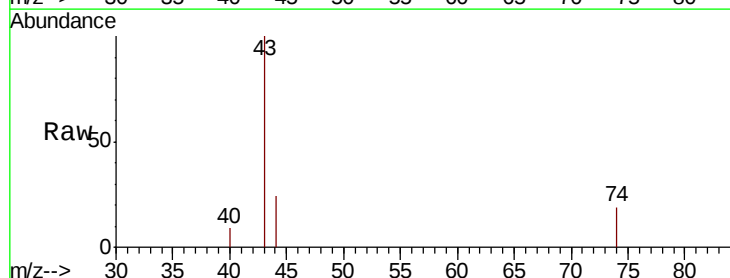
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 2207

Ion Ratio Lower Upper

43 100

74 19.2 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU029121.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029121.D (-355) (-)

2.62

1200

1000

800

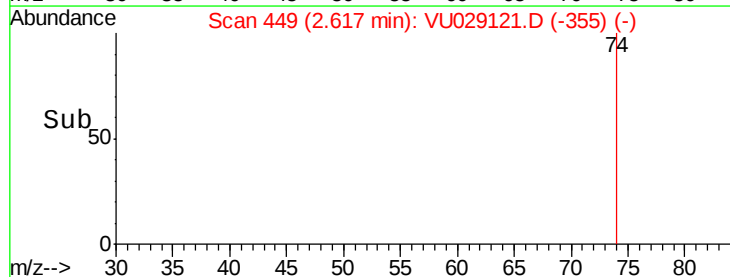
600

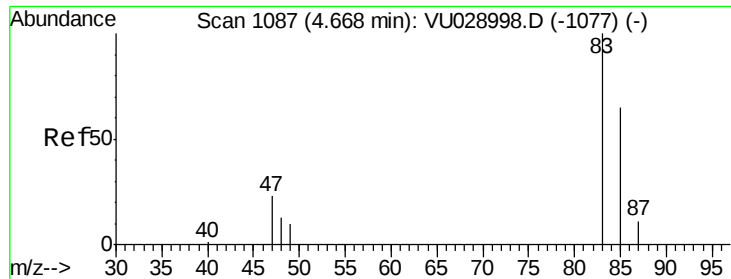
400

200

0

Time-->

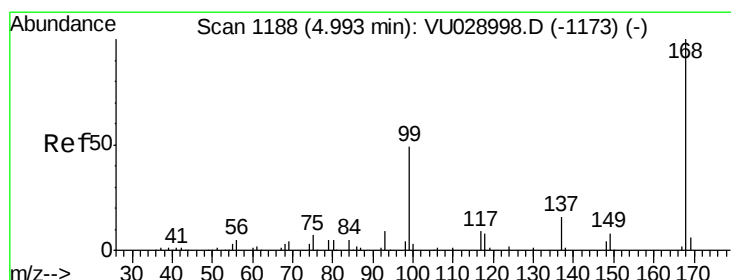
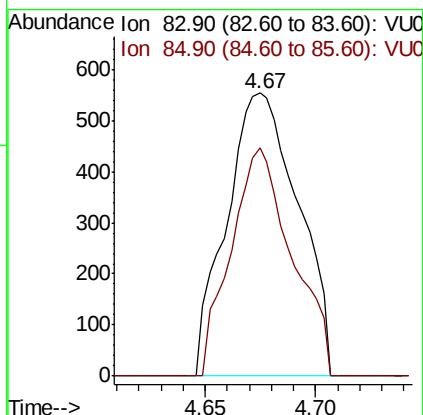
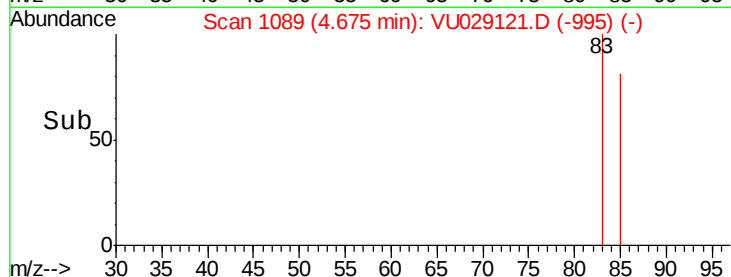
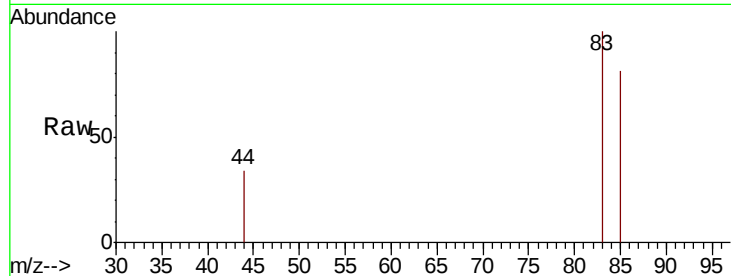




#30
Chloroform
Concen: 0.419 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU029121.D
Acq: 10 Jan 2019 16:17

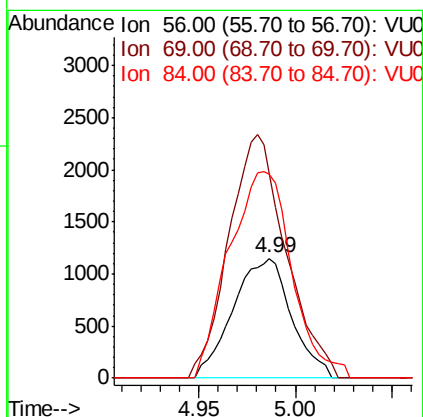
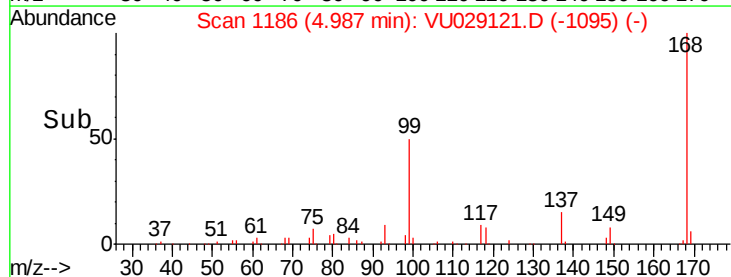
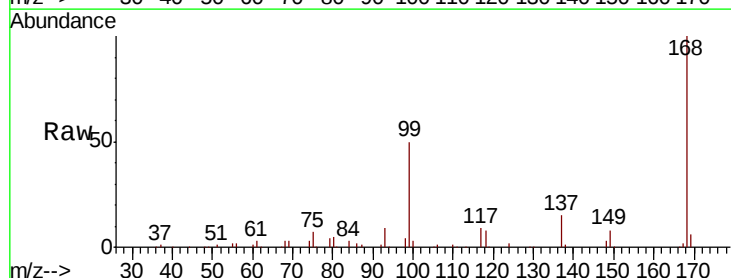
Instrument :
MSVOA_U
ClientSampleId :
TWP-1

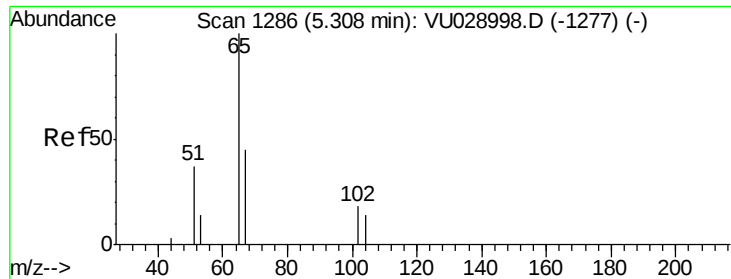
Tgt Ion: 83 Resp: 1250
Ion Ratio Lower Upper
83 100
85 80.5 53.4 80.0#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU029121.D
Acq: 10 Jan 2019 16:17

Tgt Ion: 56 Resp: 2411
Ion Ratio Lower Upper
56 100
69 171.5 26.7 40.1#
84 170.3 65.7 98.5#

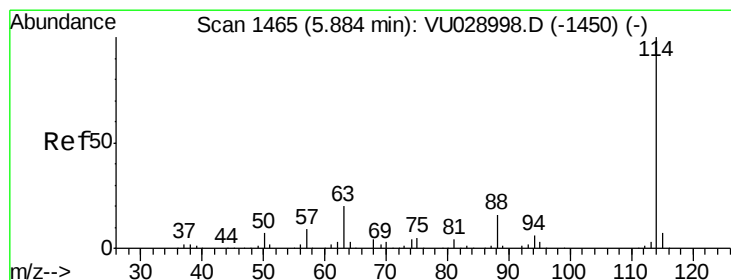
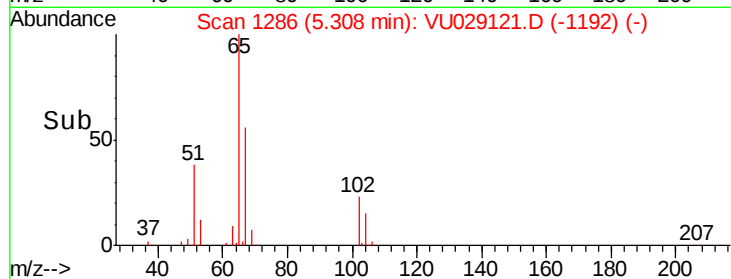
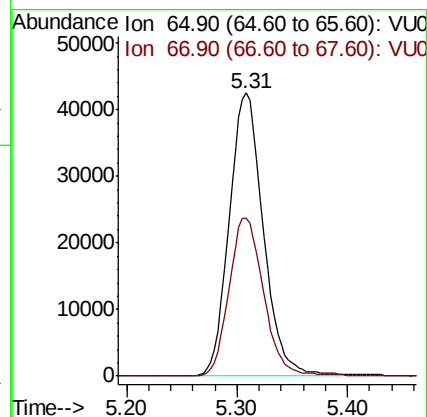
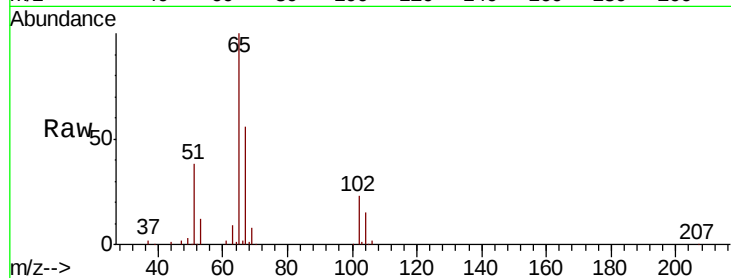




#33
 1,2-Dichloroethane-d4
 Concen: 51.201 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

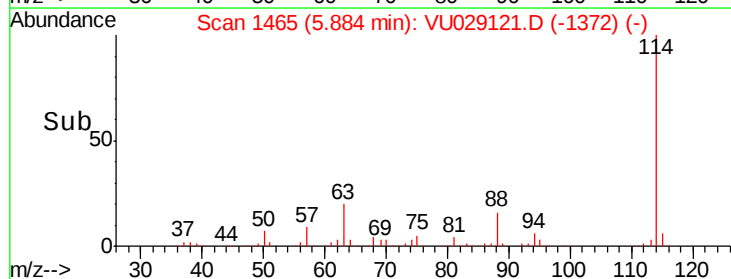
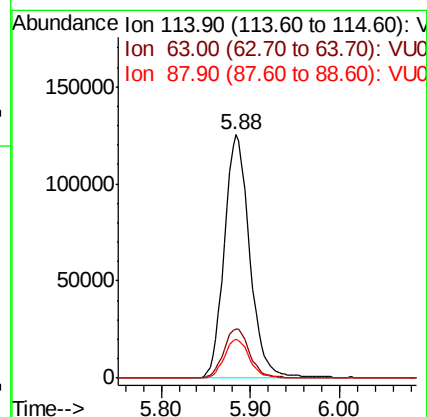
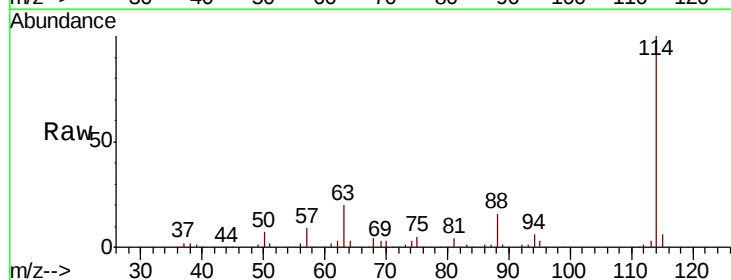
Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-1

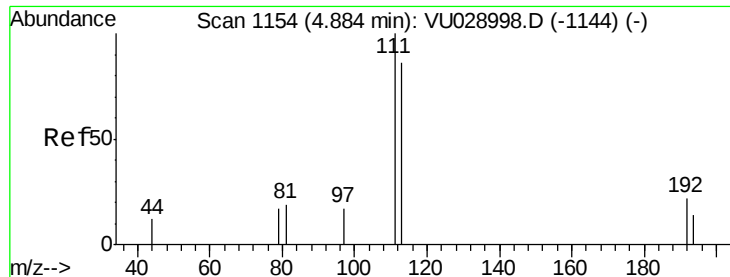
Tgt Ion: 65 Resp: 91291
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

Tgt Ion: 114 Resp: 247586
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.8 0.0 30.4

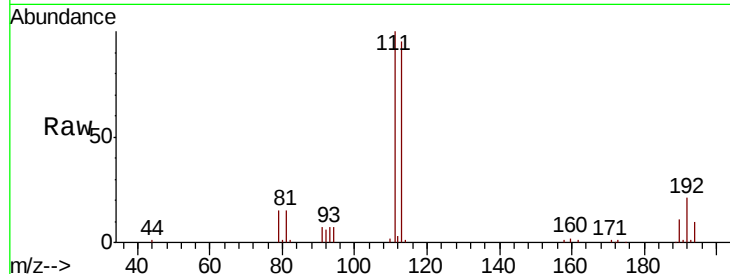




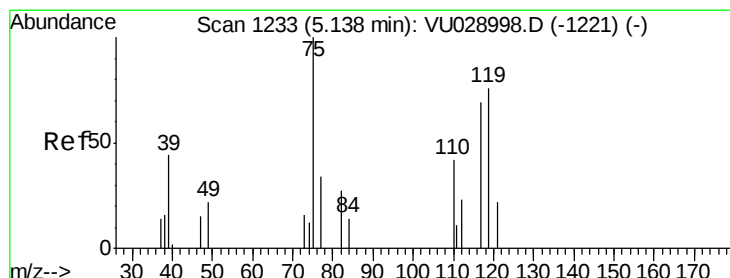
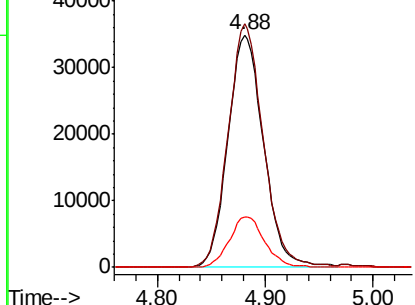
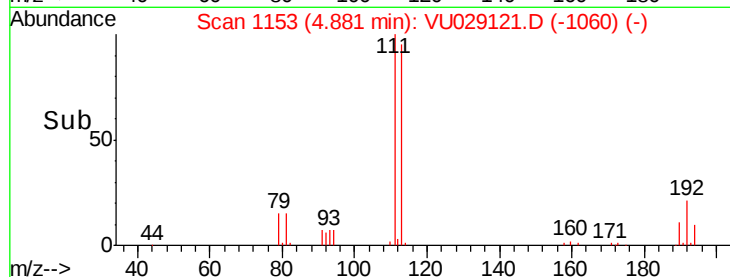
#35
 Dibromofluoromethane
 Concen: 50.121 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-1

Tgt Ion: 113 Resp: 80440
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.2
 192 21.5 16.8 25.2

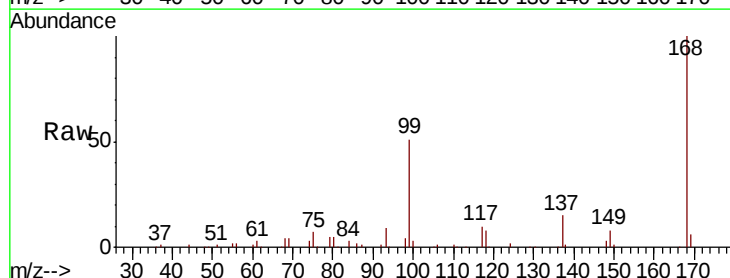


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

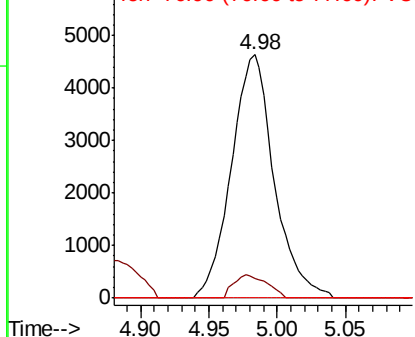
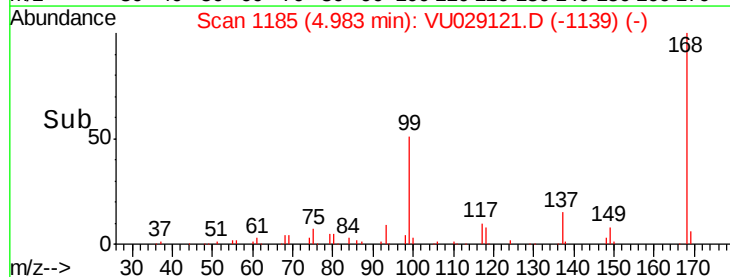


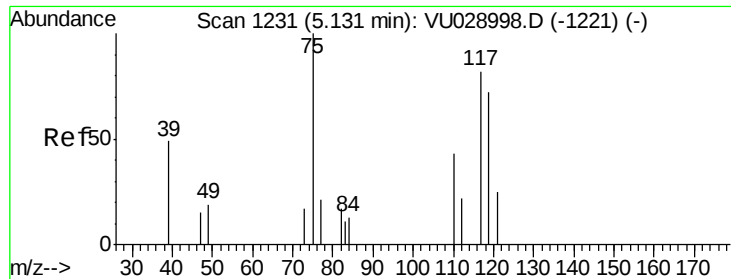
#36
 1,1-Dichloropropene
 Concen: 4.084 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

Tgt Ion: 75 Resp: 10108
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.4 55.4#
 77 0.0 25.1 37.7#



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: 6.167 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029121.D

Acq: 10 Jan 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

TWP-1

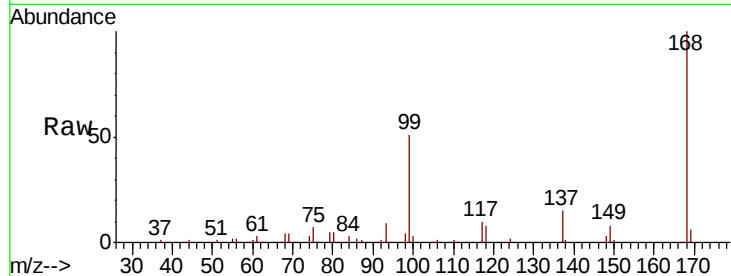
Tgt Ion:117 Resp: 12728

Ion Ratio Lower Upper

117 100

119 3.9 74.6 111.8#

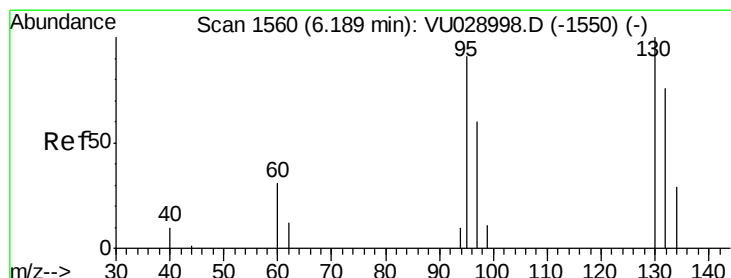
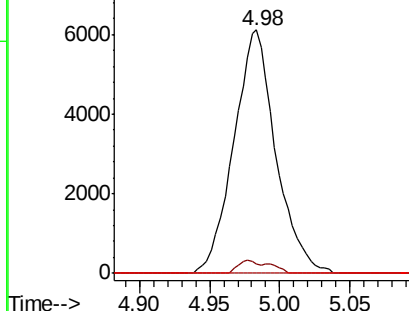
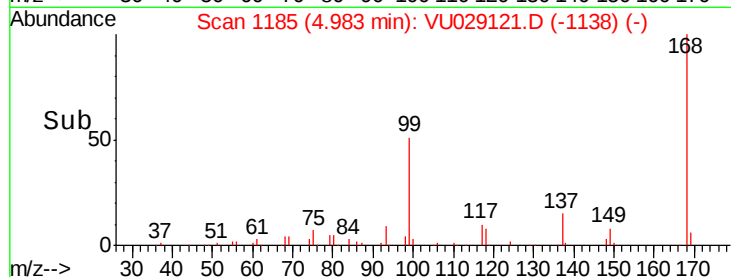
121 0.0 25.0 37.6#



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



#44

Trichloroethene

Concen: 0.309 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU029121.D

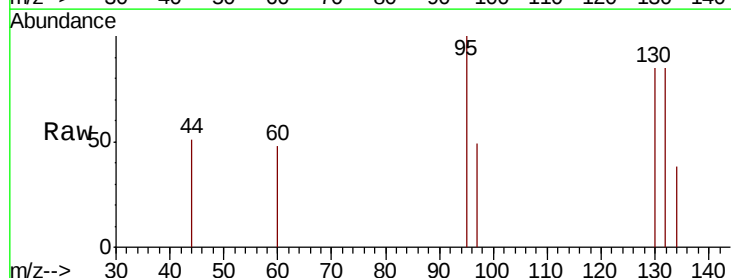
Acq: 10 Jan 2019 16:17

Tgt Ion:130 Resp: 591

Ion Ratio Lower Upper

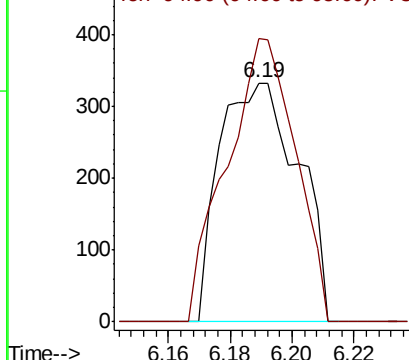
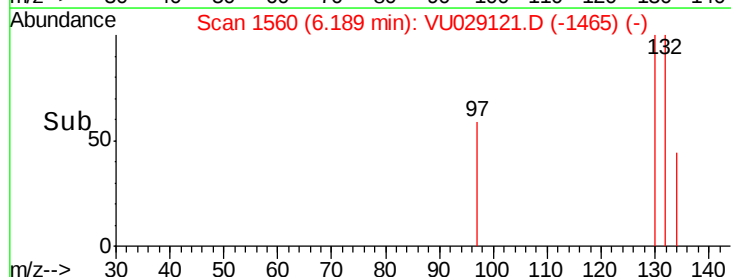
130 100

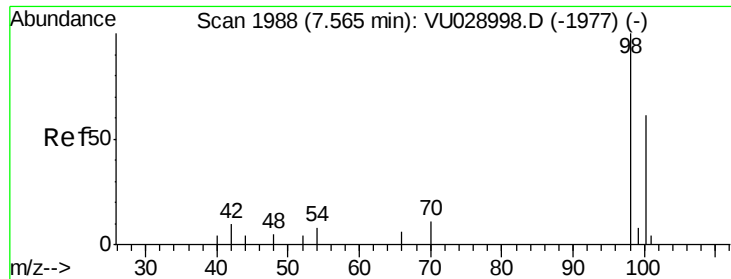
95 118.3 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

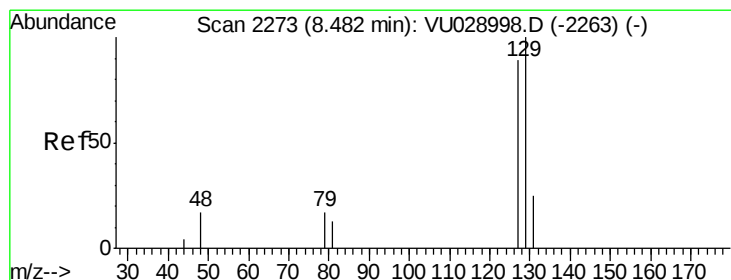
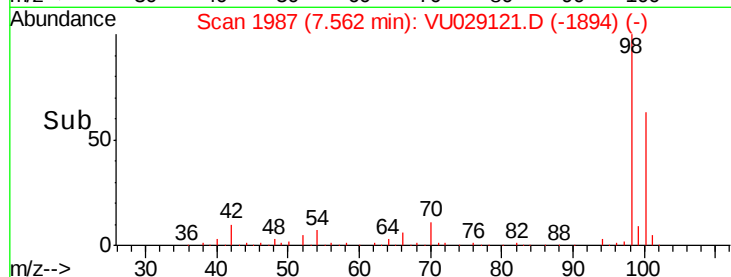
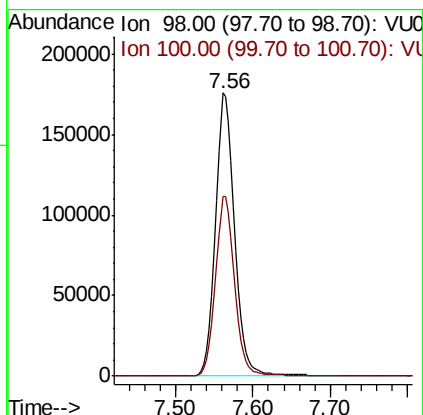
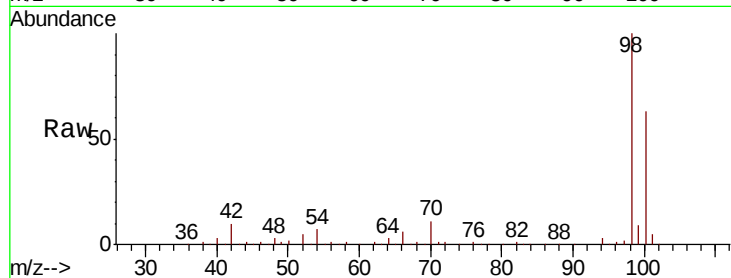




#50
Toluene-d8
Concen: 48.988 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029121.D
Acq: 10 Jan 2019 16:17

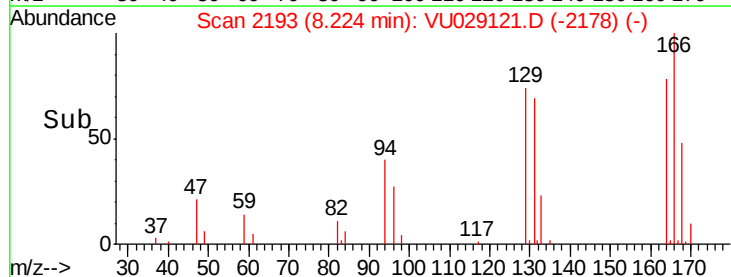
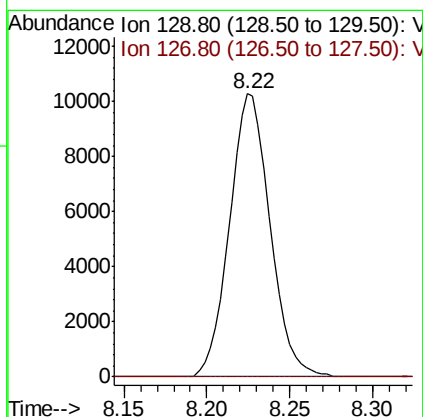
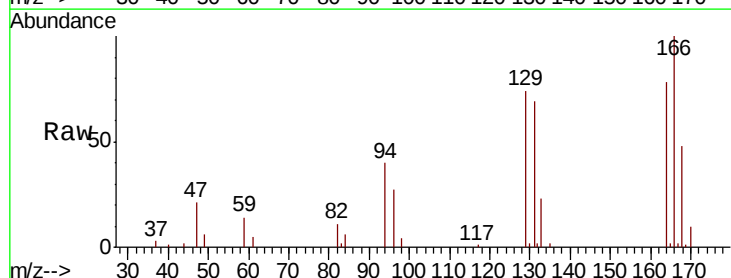
Instrument :
MSVOA_U
ClientSampleId :
TWP-1

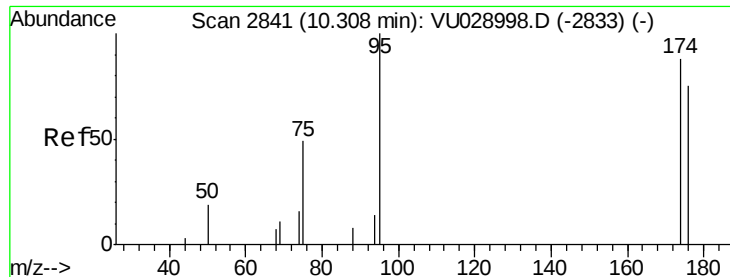
Tgt Ion: 98 Resp: 310392
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#60
Dibromochloromethane
Concen: 9.360 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU029121.D
Acq: 10 Jan 2019 16:17

Tgt Ion: 129 Resp: 17457
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#

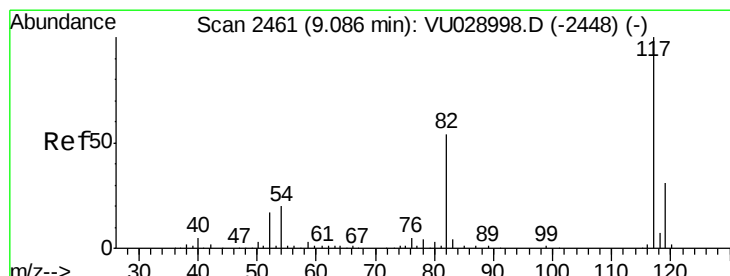
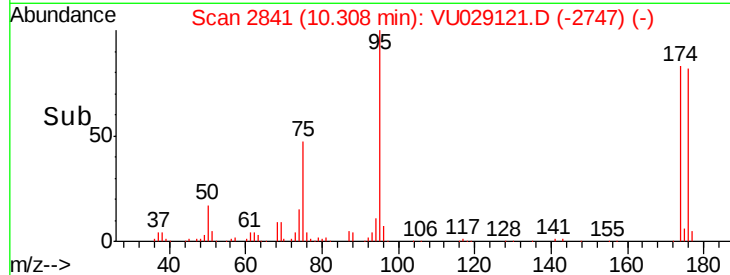
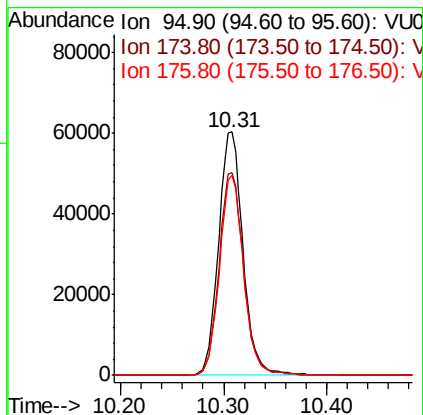
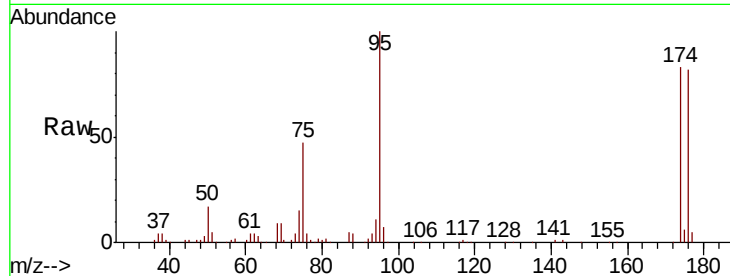




#62
 4-Bromofluorobenzene
 Concen: 43.672 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

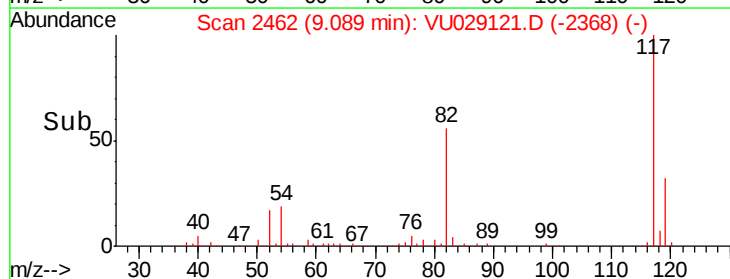
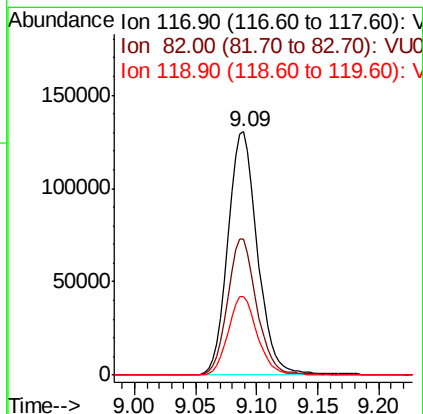
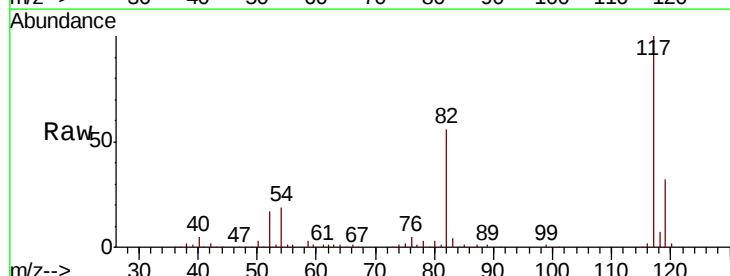
Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-1

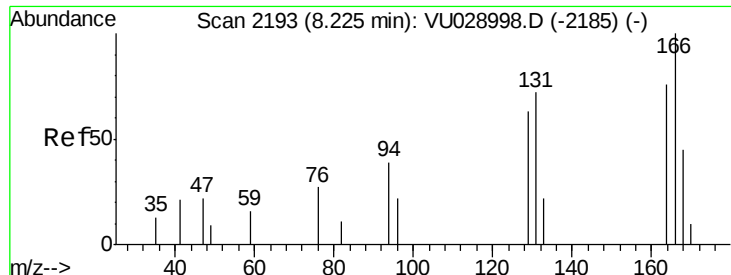
Tgt Ion: 95 Resp: 99443
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 170.6
 176 80.8 0.0 165.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

Tgt Ion: 117 Resp: 221894
 Ion Ratio Lower Upper
 117 100
 82 55.7 43.9 65.9
 119 32.4 26.0 39.0

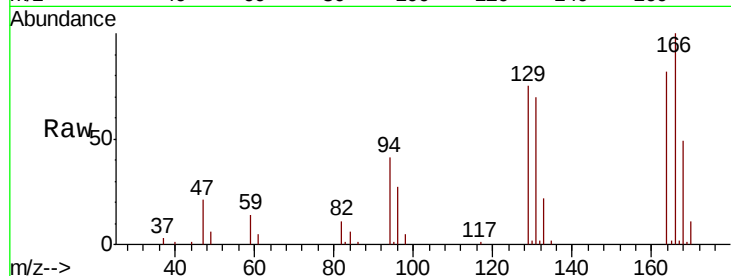




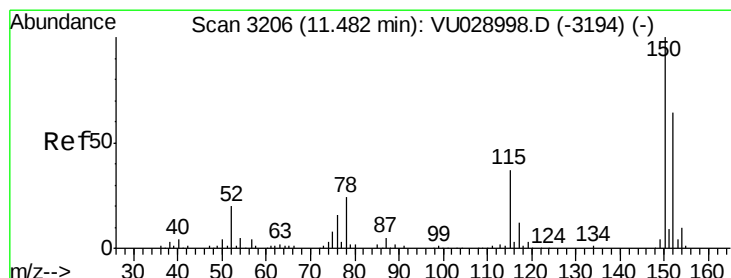
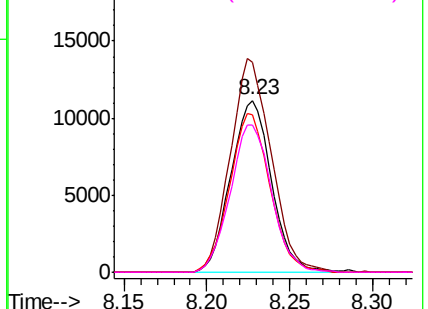
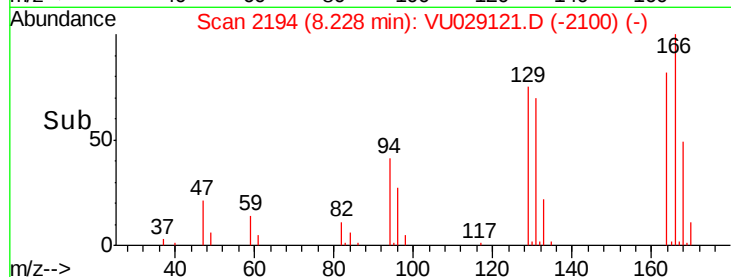
#64
Tetrachloroethene
Concen: 11.925 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU029121.D
Acq: 10 Jan 2019 16:17

Instrument :
MSVOA_U
ClientSampleId :
TWP-1

Tgt Ion:164 Resp: 19061
Ion Ratio Lower Upper
164 100
166 122.5 99.4 149.0
129 91.5 70.5 105.7
131 85.6 69.0 103.6

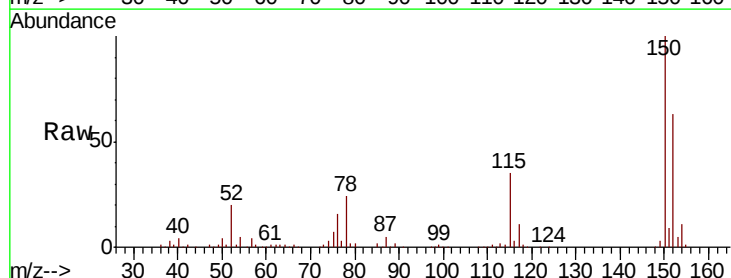


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

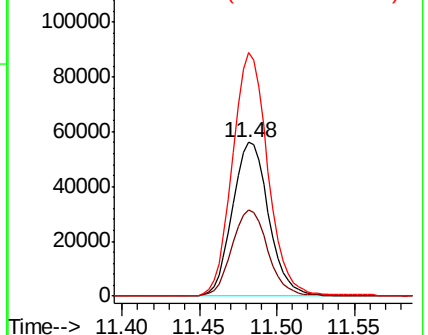
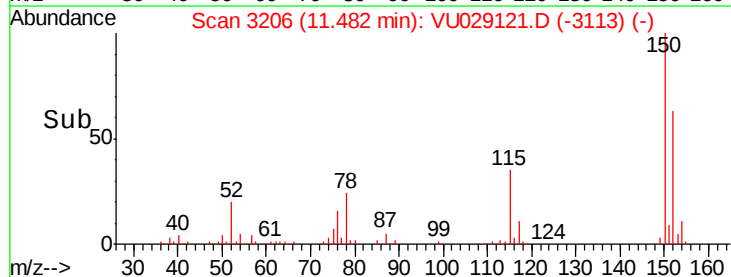


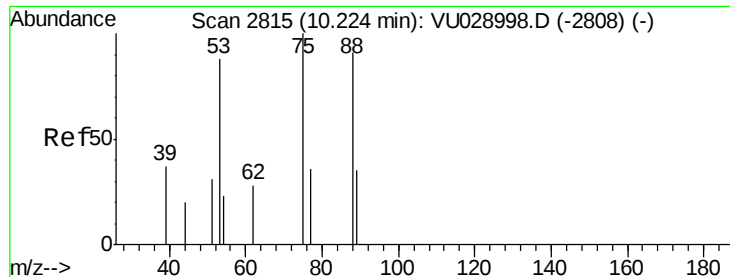
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU029121.D
Acq: 10 Jan 2019 16:17

Tgt Ion:152 Resp: 91333
Ion Ratio Lower Upper
152 100
115 55.8 40.1 120.3
150 154.9 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: 20.775 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029121.D

Acq: 10 Jan 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

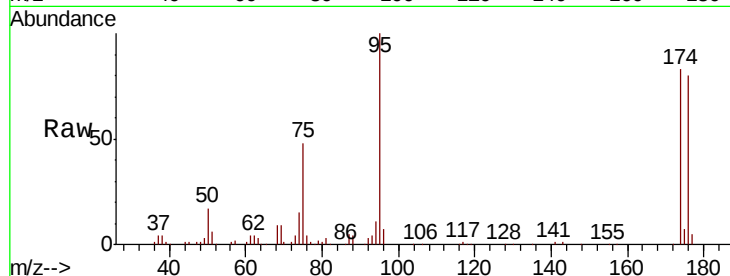
TWP-1

Tgt Ion: 75 Resp: 46490

Ion Ratio Lower Upper

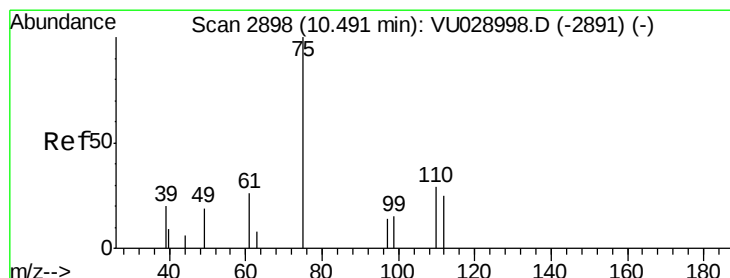
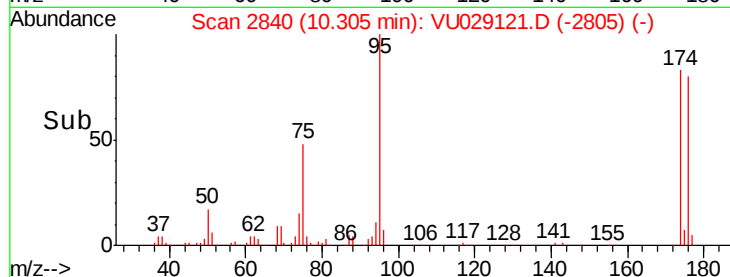
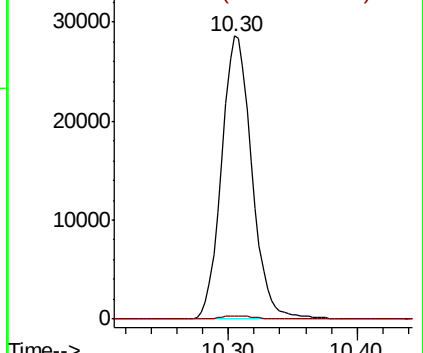
75 100

77 1.1 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: 53.579 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029121.D

Acq: 10 Jan 2019 16:17

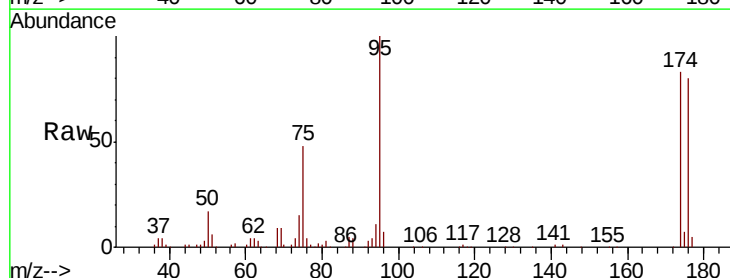
Tgt Ion: 75 Resp: 46490

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

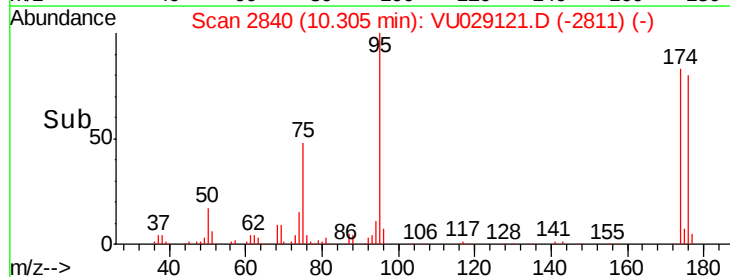
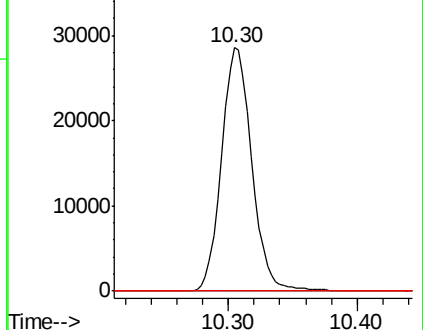
89 0.0 0.0 0.0

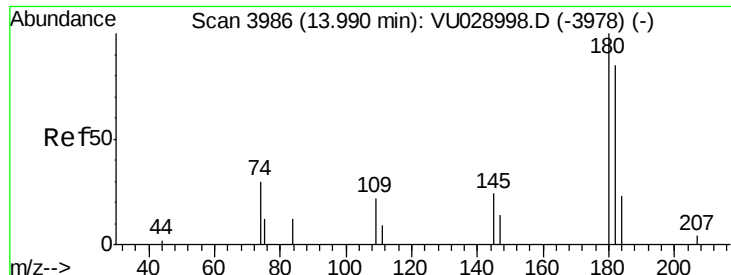


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.796 ug/l
 RT: 14.02 min Scan# 3994
 Delta R.T. 0.03 min
 Lab File: VU029121.D
 Acq: 10 Jan 2019 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	14.8	44.4#

