

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028663.D
 Acq On : 12 Dec 2018 19:36
 Operator : MD/SY
 Sample : J6347-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01

Quant Time: Dec 13 00:50:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	86495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	156525	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	140003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54814	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	70313	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	4.88	113	52257	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	7.57	98	199112	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	10.30	95	65756	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

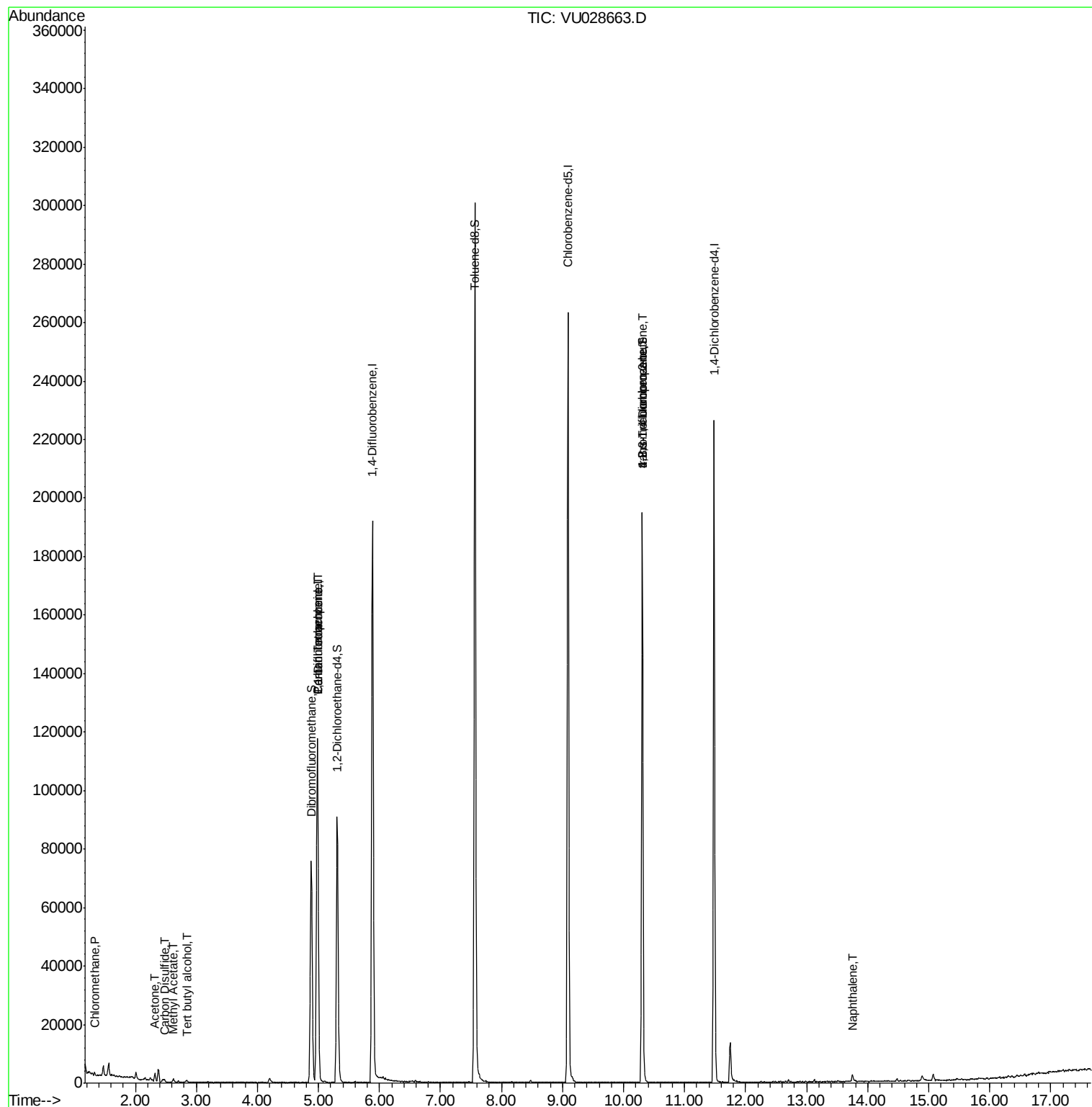
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1071	0.502	ug/l	92
11) Tert butyl alcohol	2.84	59	498	1.693	ug/l #	73
16) Acetone	2.32	43	3119	3.621	ug/l	99
17) Carbon Disulfide	2.48	76	979	0.282	ug/l #	75
18) Methyl Acetate	2.62	43	1686	0.755	ug/l	95
31) Cyclohexane	4.98	56	2189	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7678	4.483	ug/l #	48
38) Carbon Tetrachloride	4.98	117	8333	6.036	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	34855	24.902	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	34855	61.108	ug/l #	100
95) Naphthalene	13.75	128	3495	0.784	ug/l #	83

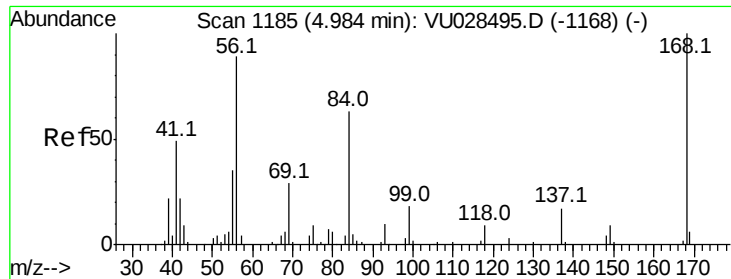
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121318\
Data File : VU028663.D
Acq On : 12 Dec 2018 19:36
Operator : MD/SY
Sample : J6347-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 57 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Quant Time: Dec 13 00:50:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 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: VU028663.D

Acq: 12 Dec 2018 19:36

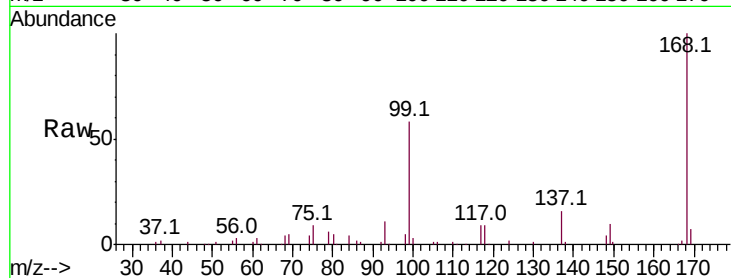
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Tot Ion:168 Resp: 86495

Ion Ratio Lower Upper

168 100

99 57.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

20000

10000

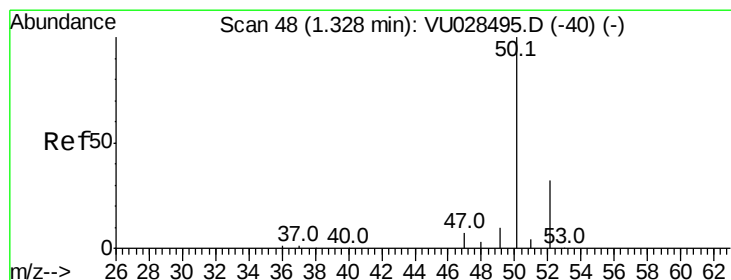
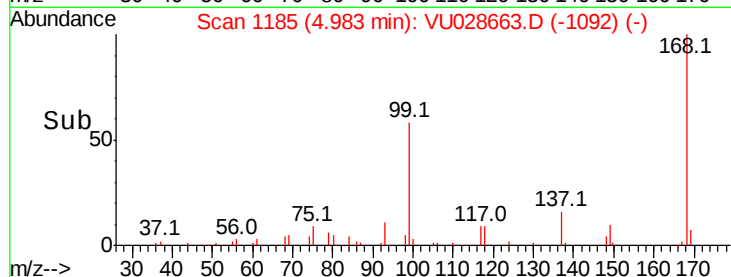
0

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: 0.502 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028663.D

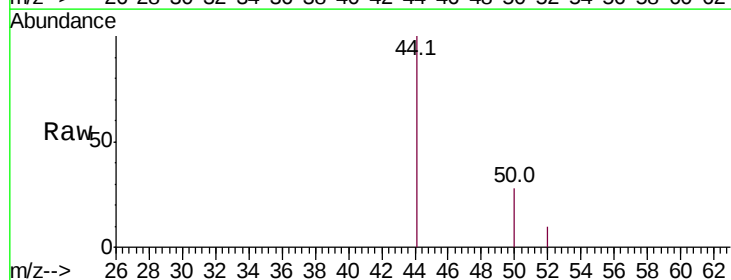
Acq: 12 Dec 2018 19:36

Tgt Ion: 50 Resp: 1071

Ion Ratio Lower Upper

50 100

52 36.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

800

600

400

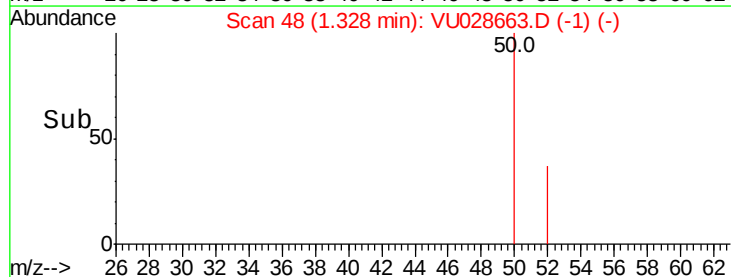
200

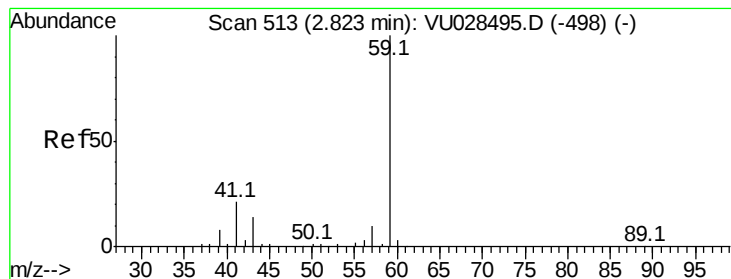
0

1.30

1.35

Time-->



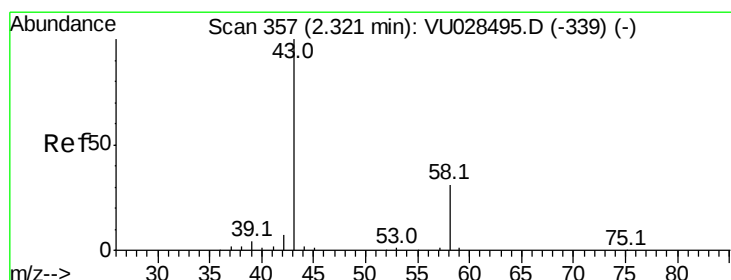
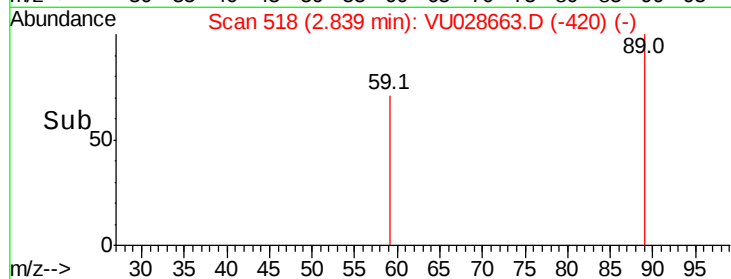
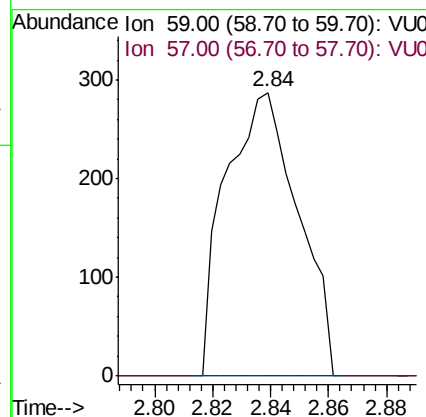
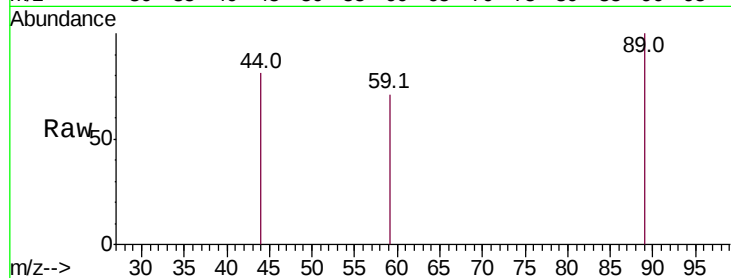


#11

Tert butyl alcohol
 Concen: 1.693 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.02 min
 Lab File: VU028663.D
 Acq: 12 Dec 2018 19:36

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01

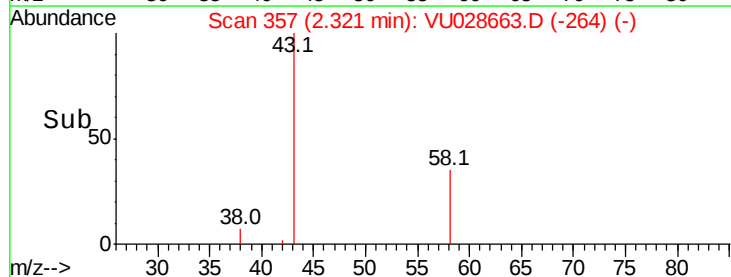
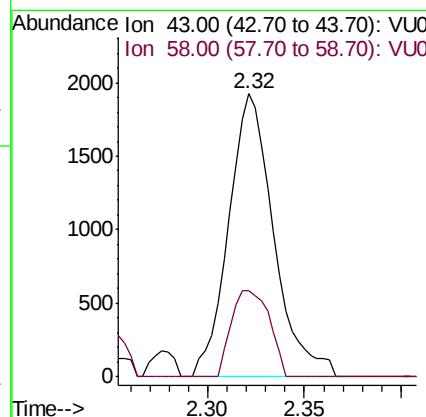
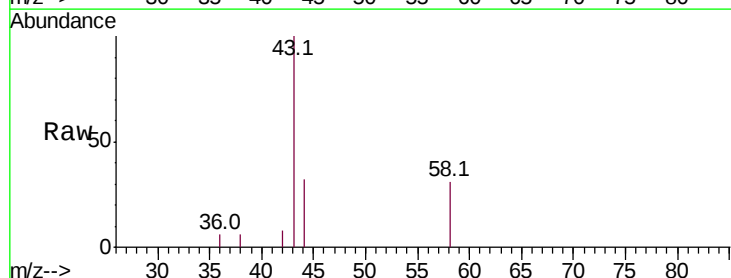
Tot Ion: 59 Resp: 498
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

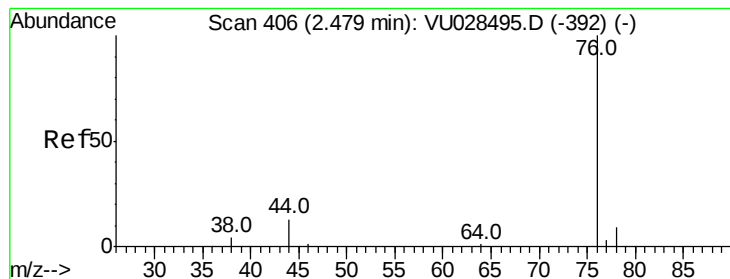


#16

Acetone
 Concen: 3.621 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028663.D
 Acq: 12 Dec 2018 19:36

Tgt Ion: 43 Resp: 3119
 Ion Ratio Lower Upper
 43 100
 58 30.5 24.6 37.0





#17

Carbon Disulfide

Concen: 0.282 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

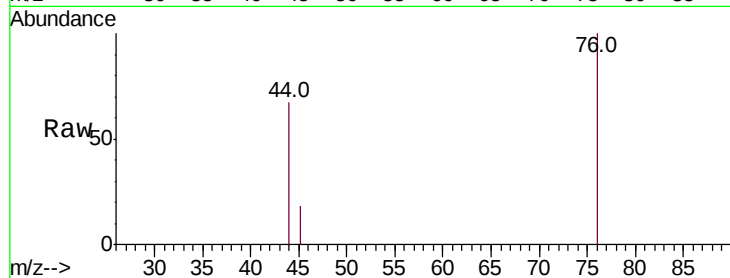
P001-SW004-01

Tot Ion: 76 Resp: 979

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

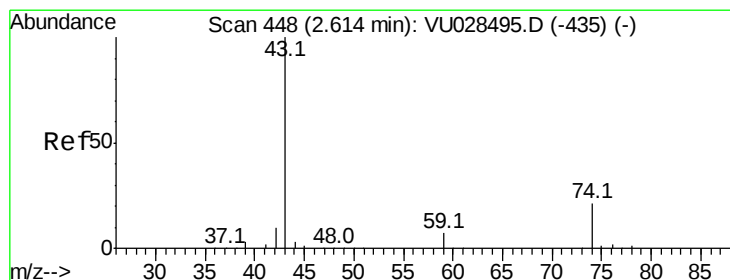
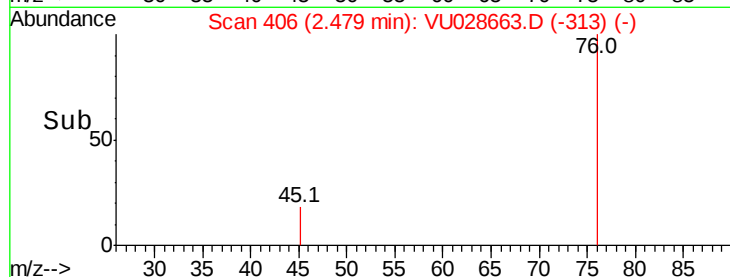
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.755 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028663.D

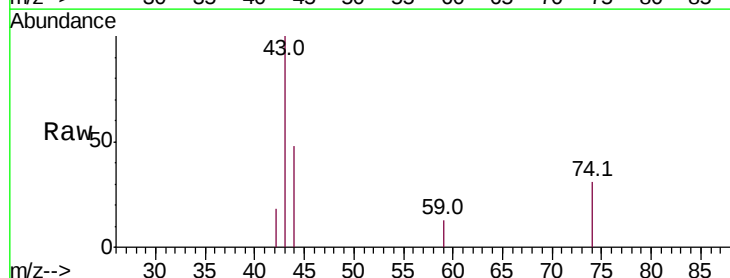
Acq: 12 Dec 2018 19:36

Tgt Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

74 18.0 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

800

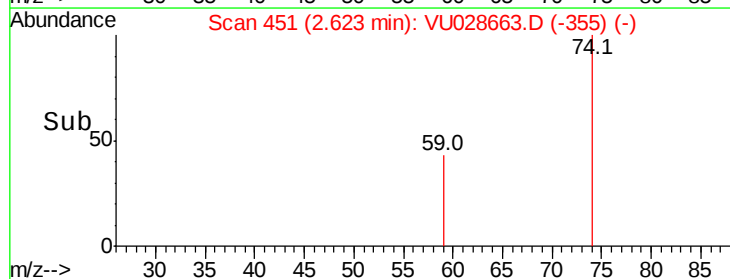
600

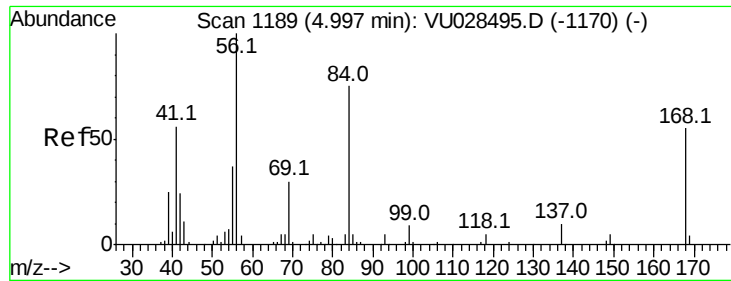
400

200

0

Time-->

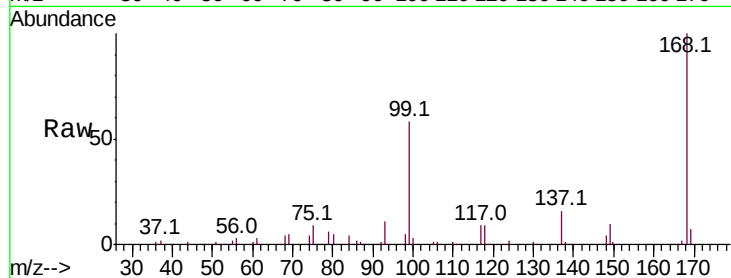




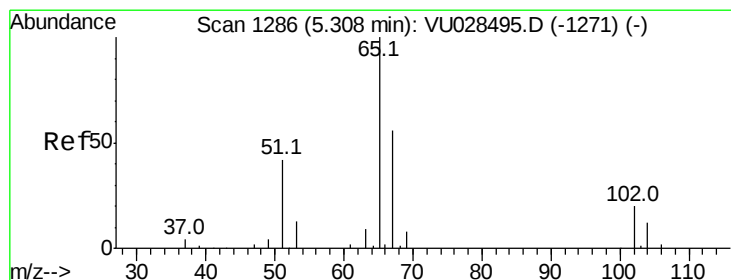
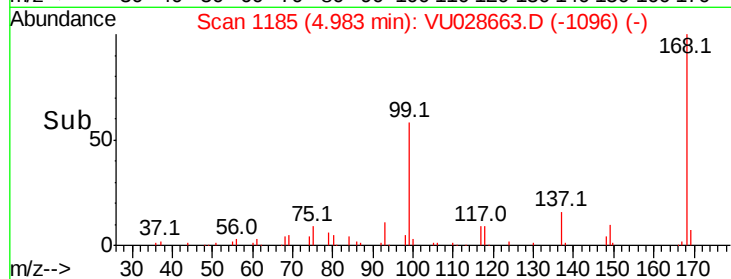
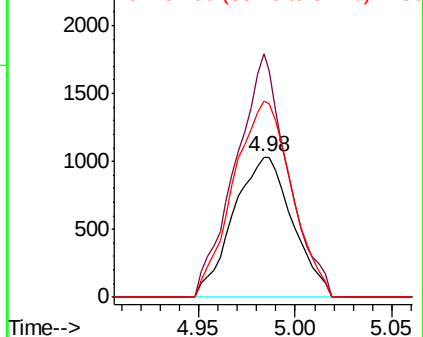
#31
Cvclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028663.D
Acq: 12 Dec 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Tot Ion: 56 Resp: 2189
Ion Ratio Lower Upper
56 100
69 173.3 24.0 36.0#
84 139.6 59.7 89.5#

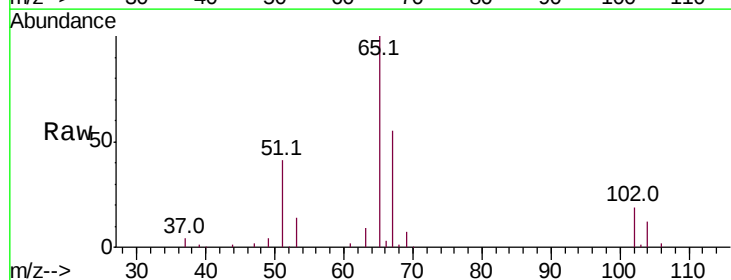


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

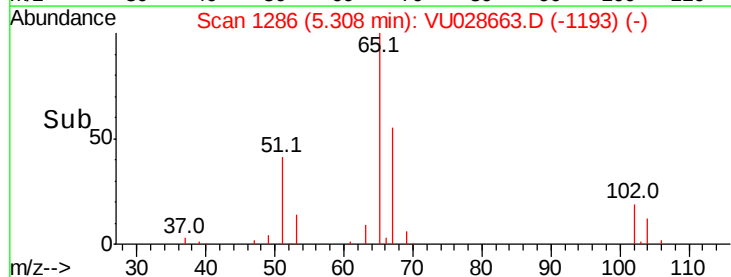
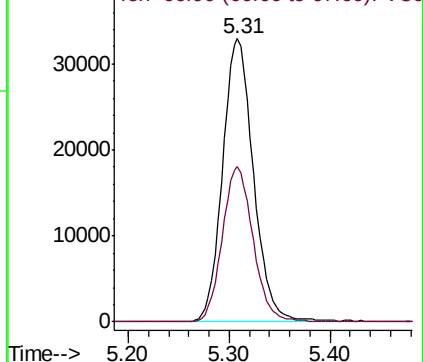


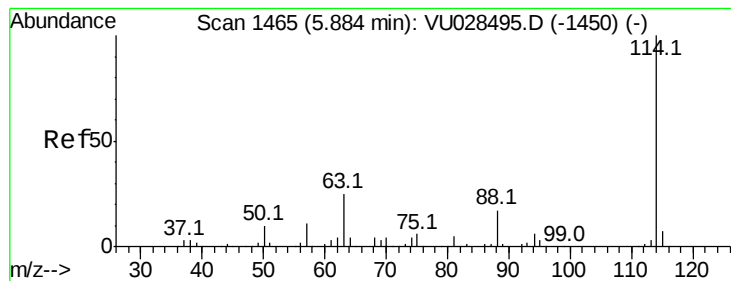
#33
1,2-Dichloroethane-d4
Concen: 53.269 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028663.D
Acq: 12 Dec 2018 19:36

Tgt Ion: 65 Resp: 70313
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.6



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: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01

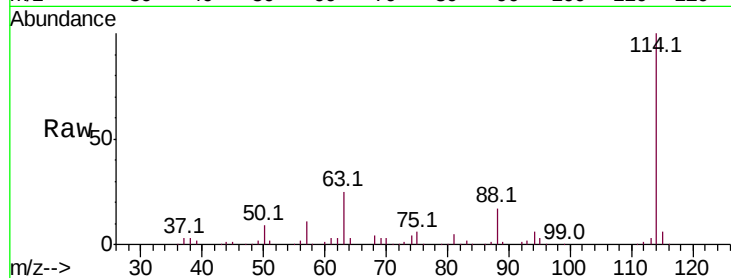
Tot Ion:114 Resp: 156525

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

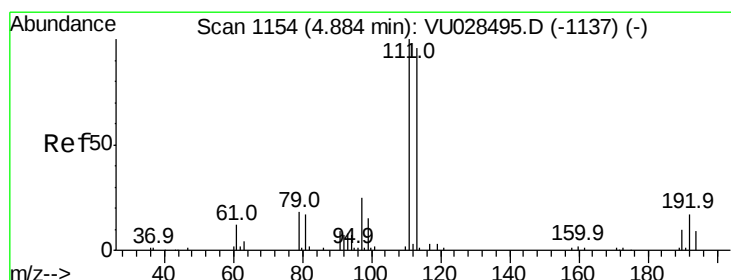
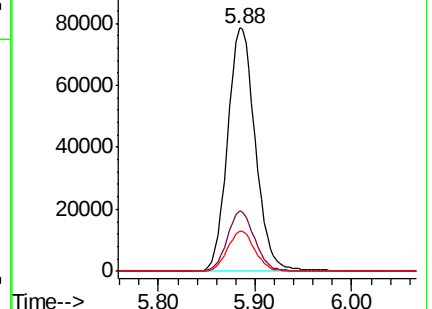
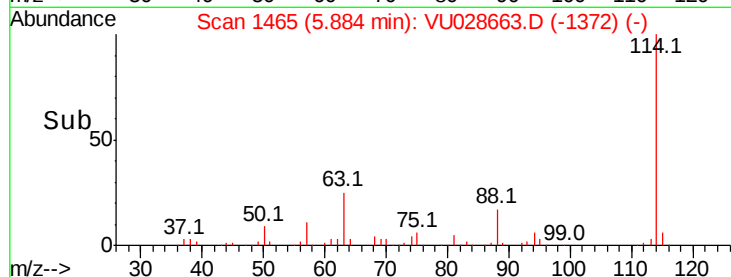
88 16.5 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 53.052 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

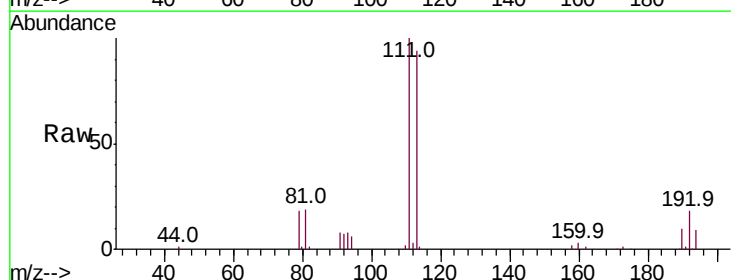
Tgt Ion:113 Resp: 52257

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.0

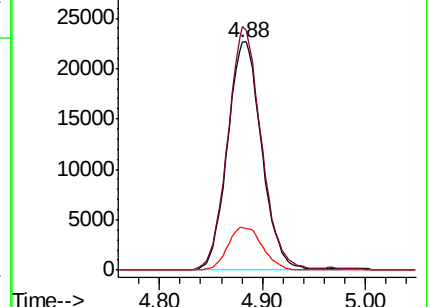
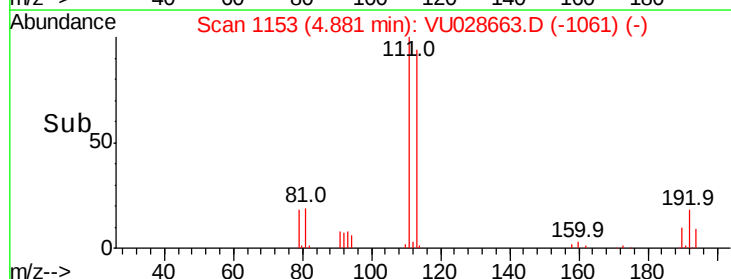
192 19.0 14.8 22.2

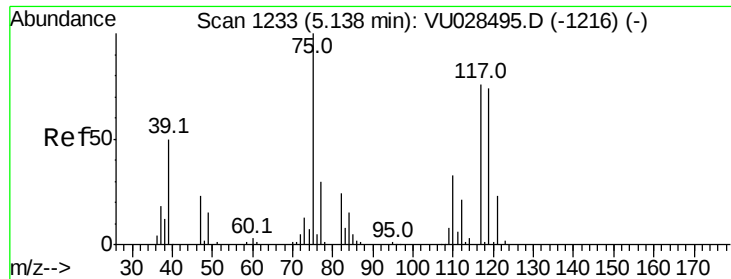


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.483 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01

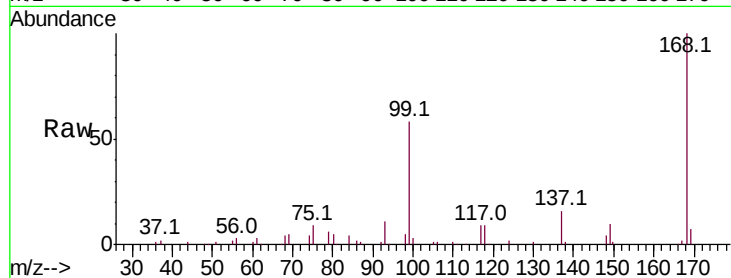
Tot Ion: 75 Resp: 7678

Ion Ratio Lower Upper

75 100

110 5.5 16.1 48.2#

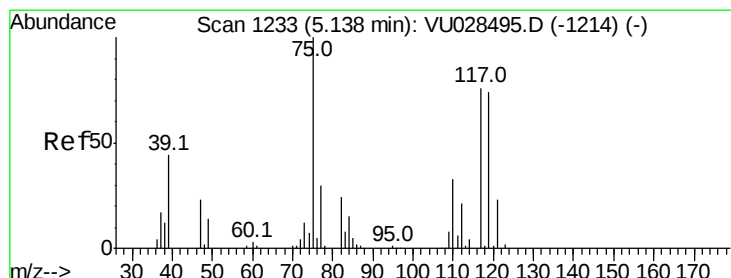
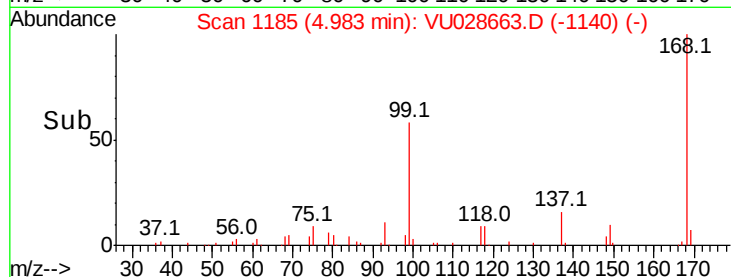
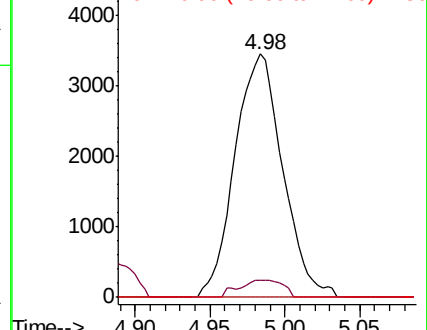
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)



#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

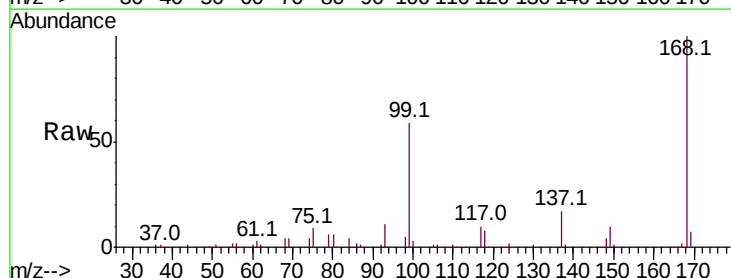
Tgt Ion: 117 Resp: 8333

Ion Ratio Lower Upper

117 100

119 4.7 77.6 116.4#

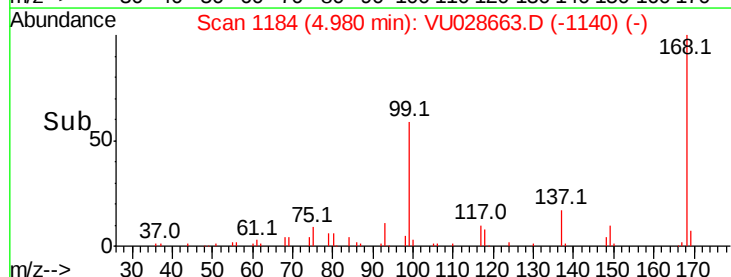
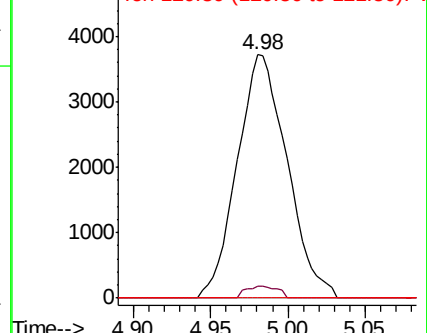
121 0.0 24.6 36.8#

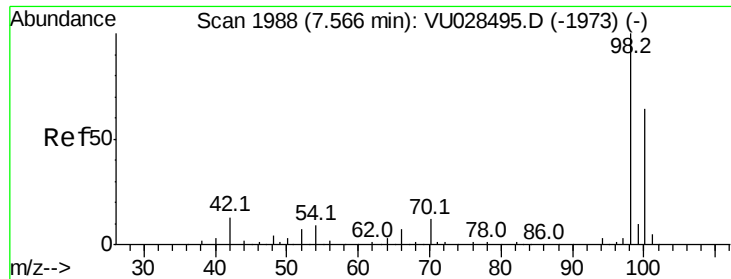


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





#50

Toluene-d8

Concen: 51.099 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

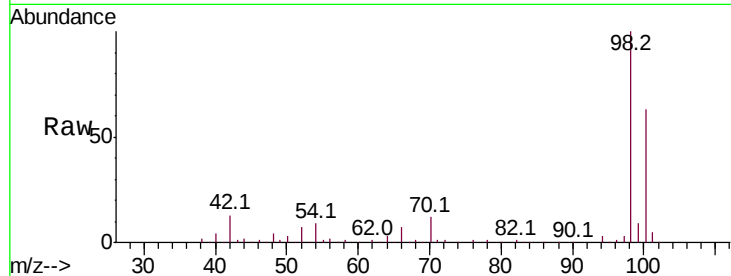
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Tot Ion: 98 Resp: 199112

Ion Ratio Lower Upper

98 100

100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

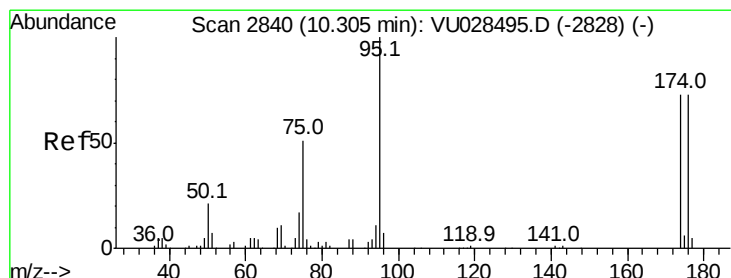
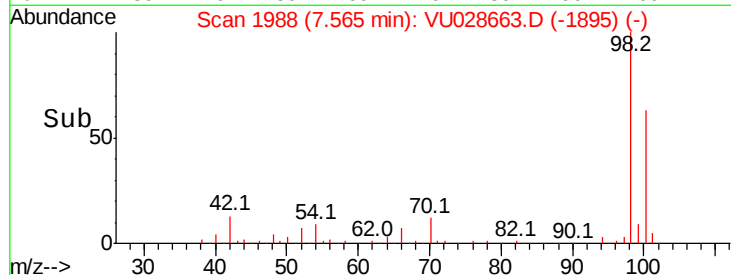
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.150 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

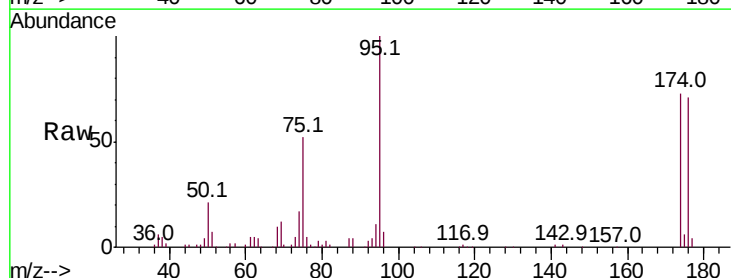
Tgt Ion: 95 Resp: 65756

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

176 73.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

10.30

50000

40000

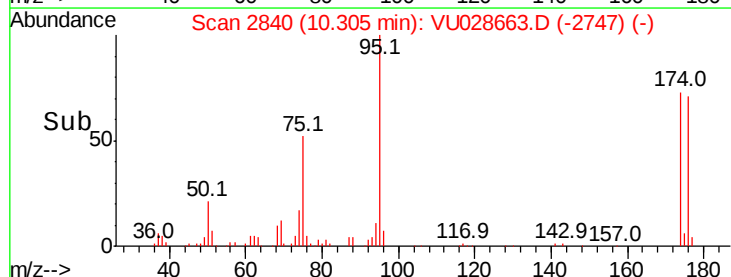
30000

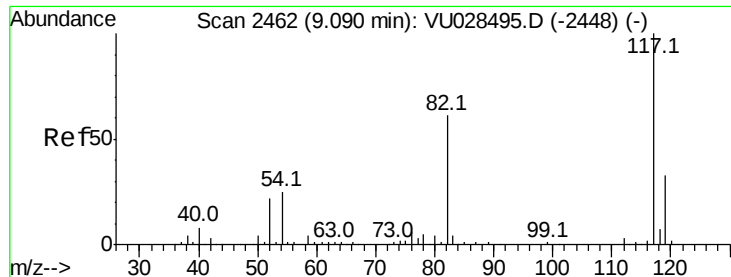
20000

10000

0

Time-->

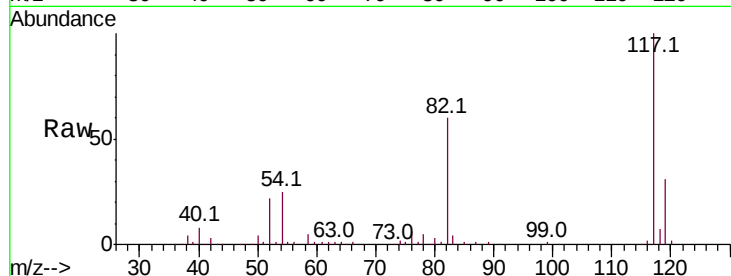




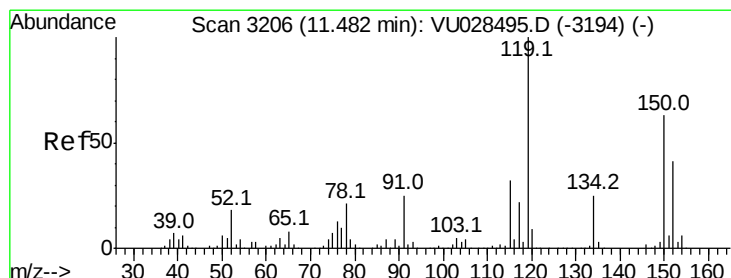
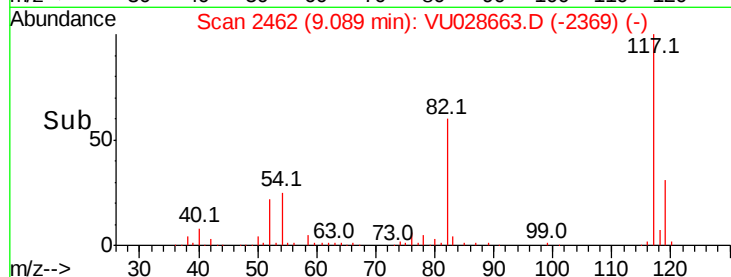
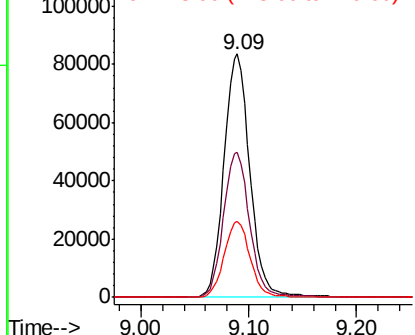
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028663.D
Acq: 12 Dec 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Tot Ion:117 Resp: 140003
Ion Ratio Lower Upper
117 100
82 59.5 48.9 73.3
119 31.4 26.2 39.4

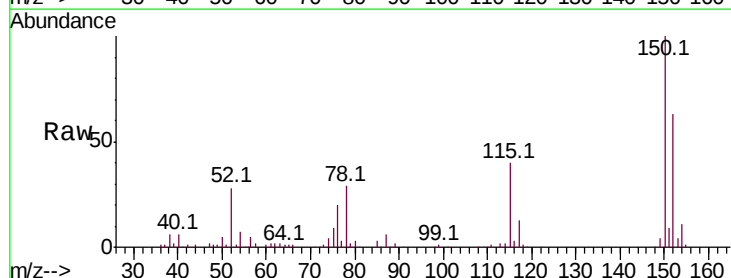


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

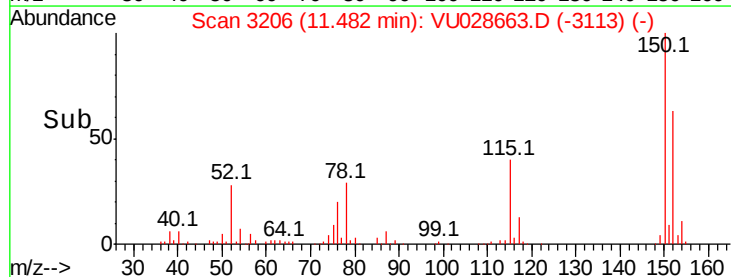
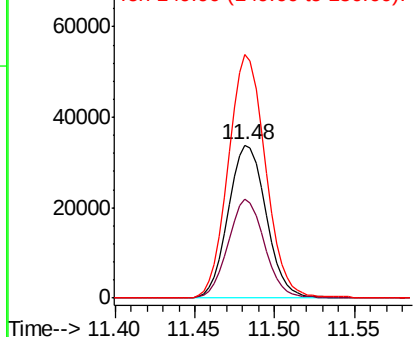


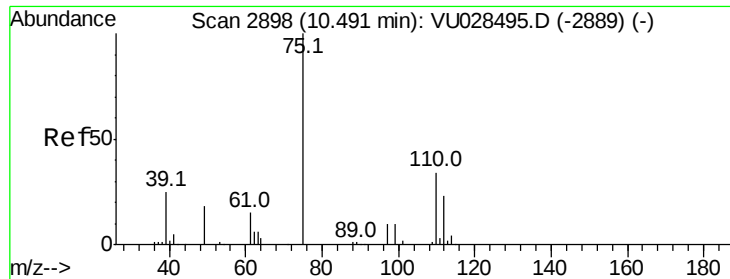
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028663.D
Acq: 12 Dec 2018 19:36

Tgt Ion:152 Resp: 54814
Ion Ratio Lower Upper
152 100
115 61.9 42.7 128.1
150 155.6 0.0 346.0



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: 24.902 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

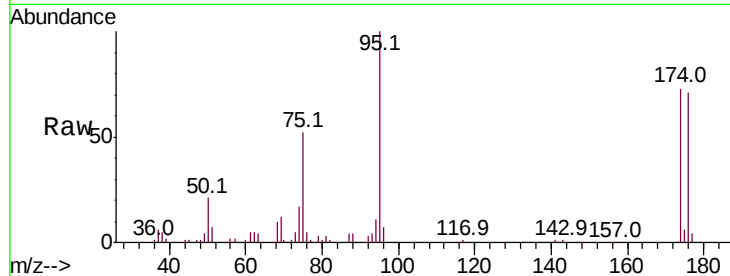
P001-SW004-01

Tot Ion: 75 Resp: 34855

Ion Ratio Lower Upper

75 100

77 1.0 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

25000

20000

15000

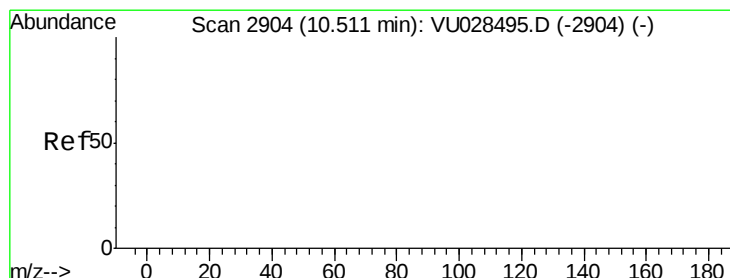
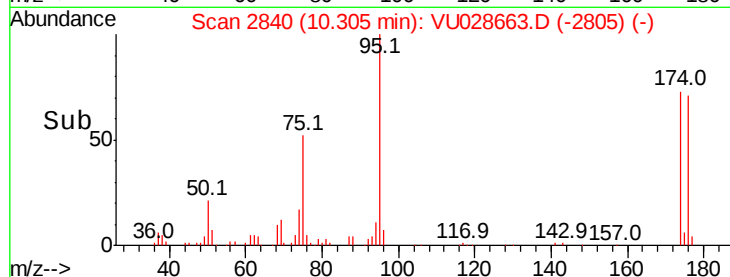
10000

5000

0

10.25 10.30 10.35

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.108 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

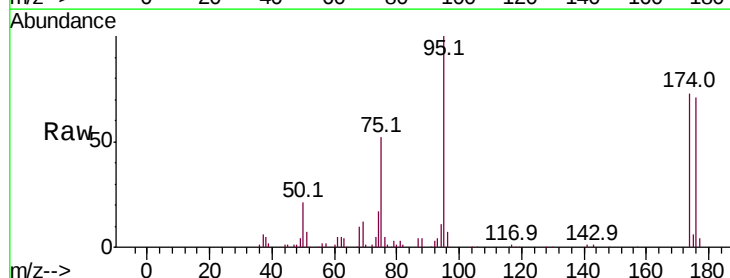
Tgt Ion: 75 Resp: 34855

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

30000

25000

20000

15000

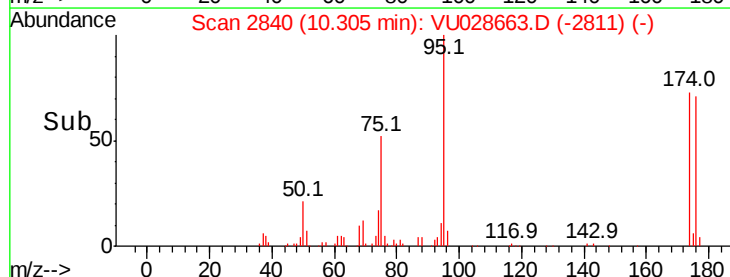
10000

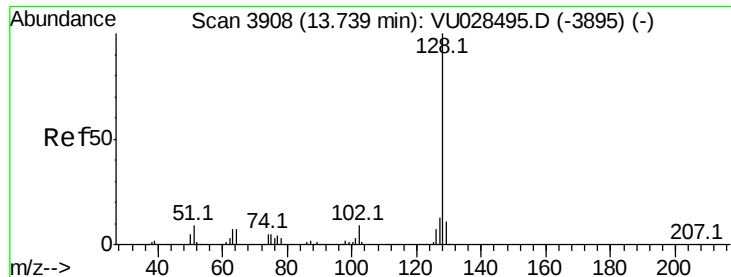
5000

0

10.25 10.30 10.35

Time-->





#95

Naphthalene

Concen: 0.784 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU028663.D

Acq: 12 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01

Tot Ion:128 Resp: 3495

Ion Ratio Lower Upper

128 100

127 4.6 10.4 15.6#

129 6.0 8.6 13.0#

