

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028556.D
 Acq On : 10 Dec 2018 17:10
 Operator : MD/SY
 Sample : J6323-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-126D1-20181207

Quant Time: Dec 11 03:38:59 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

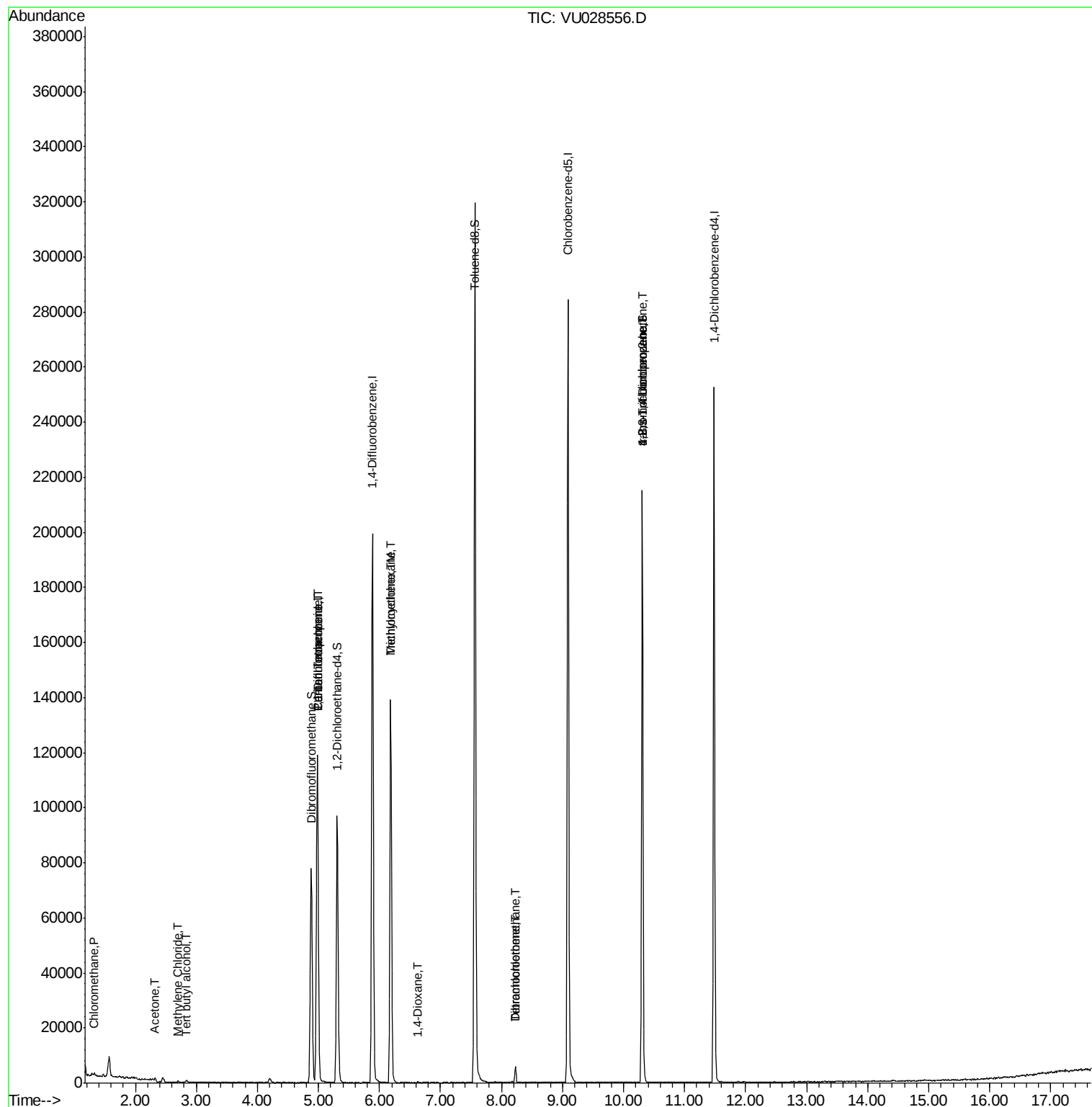
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	87127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	160853	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61970	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	75113	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	4.88	113	55046	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	7.57	98	210792	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	10.30	95	71679	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	943	0.439	ug/l	92
11) Tert butyl alcohol	2.83	59	556	1.877	ug/l #	73
16) Acetone	2.32	43	1381	1.592	ug/l	99
20) Methylene Chloride	2.70	84	278	0.217	ug/l #	79
31) Cyclohexane	4.99	56	2038	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8049	4.573	ug/l #	49
38) Carbon Tetrachloride	4.98	117	8522	6.007	ug/l #	15
39) Methylcyclohexane	6.18	83	556	0.259	ug/l #	1
44) Trichloroethene	6.19	130	45289	39.290	ug/l	100
49) 1,4-Dioxane	6.62	88	202	7.148	ug/l #	35
60) Dibromochloromethane	8.23	129	1338	1.133	ug/l #	10
64) Tetrachloroethene	8.23	164	1356	1.363	ug/l	93
76) 1,2,3-Trichloropropane	10.30	75	37149	23.476	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	37149	57.639	ug/l #	100

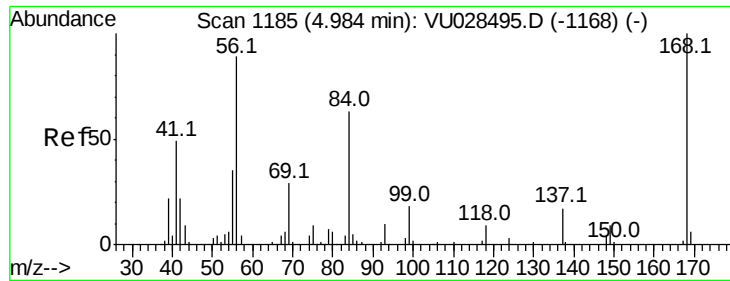
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

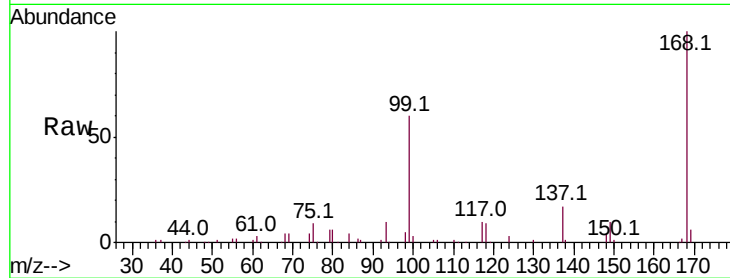
RE-126D1-20181207

Tot Ion:168 Resp: 87127

Ion Ratio Lower Upper

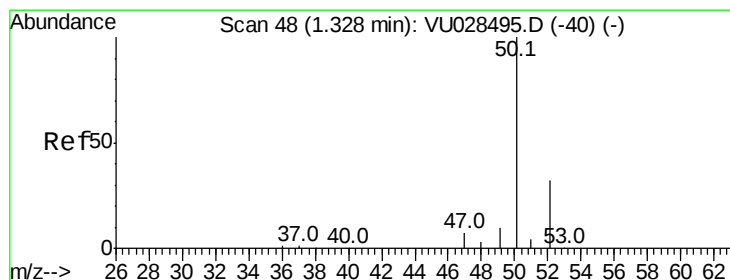
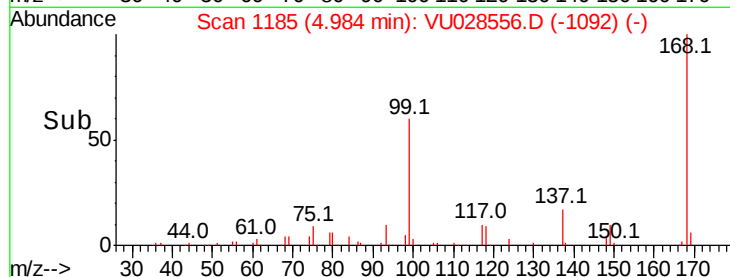
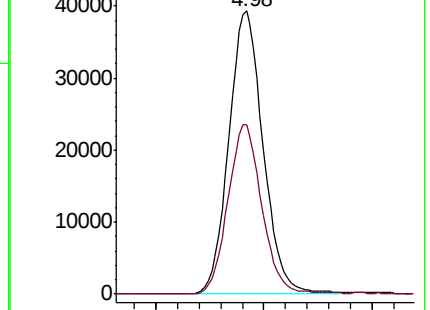
168 100

99 60.0 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) (-)



#3

Chloromethane

Concen: 0.439 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028556.D

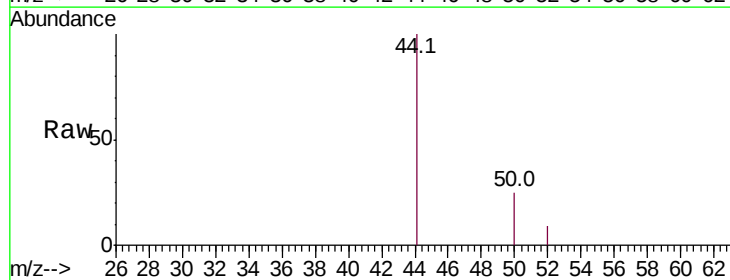
Acq: 10 Dec 2018 17:10

Tgt Ion: 50 Resp: 943

Ion Ratio Lower Upper

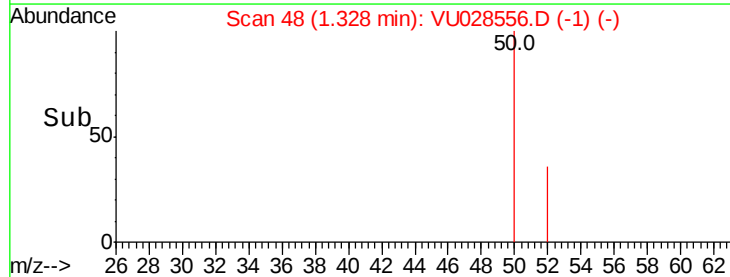
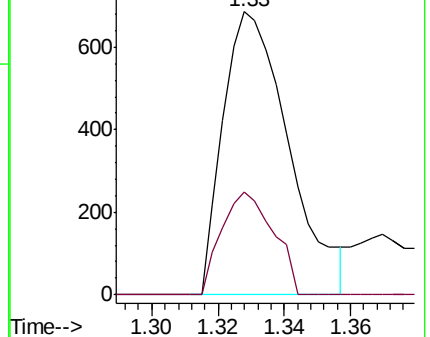
50 100

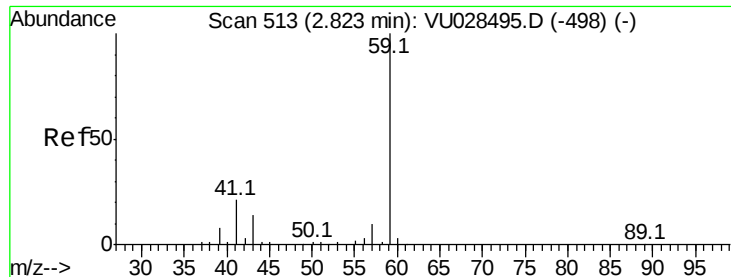
52 36.4 25.5 38.3



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

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



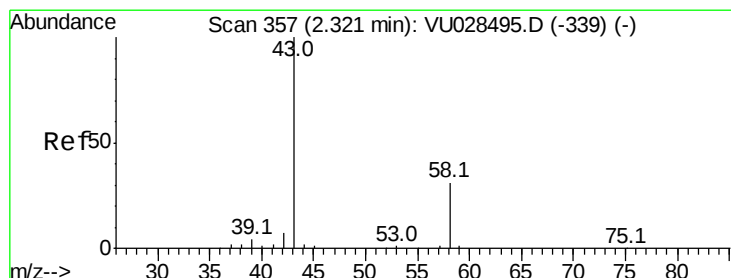
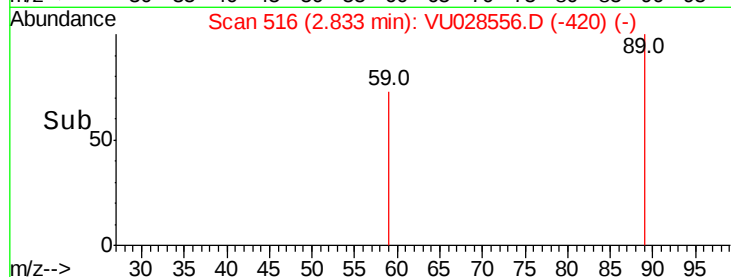
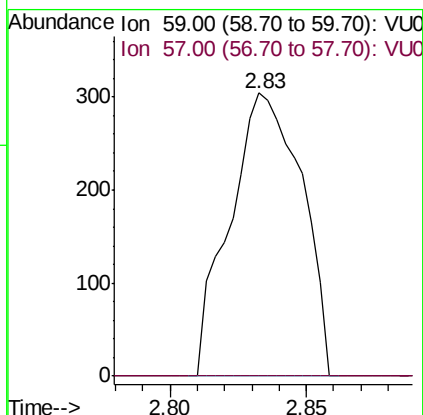
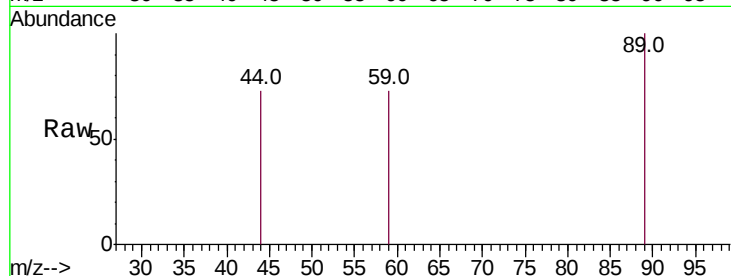


#11

Tert butyl alcohol
 Concen: 1.877 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028556.D
 Acq: 10 Dec 2018 17:10

Instrument :
 MSVOA_U
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 RE-126D1-20181207

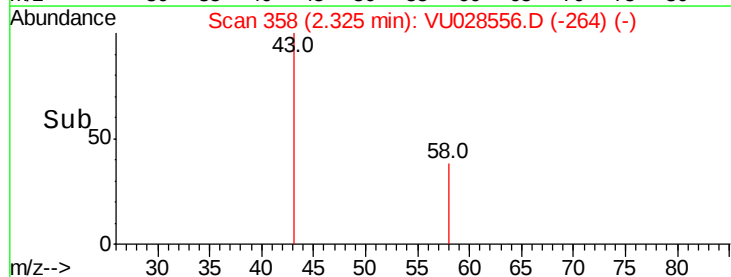
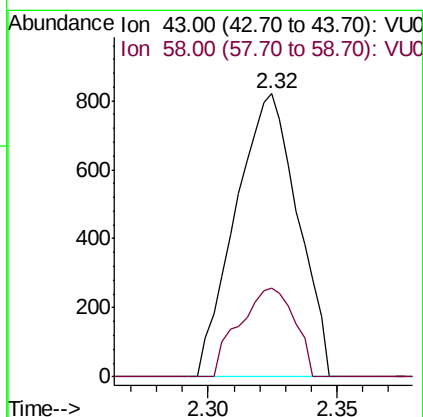
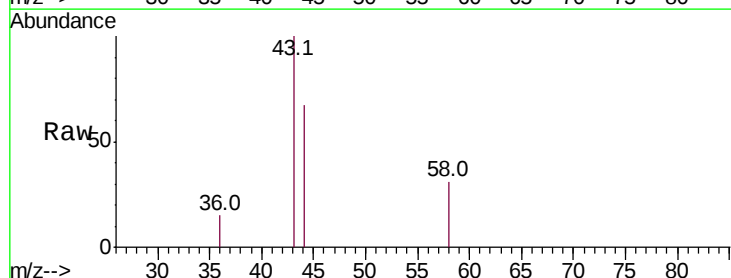
Tot Ion: 59 Resp: 556
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

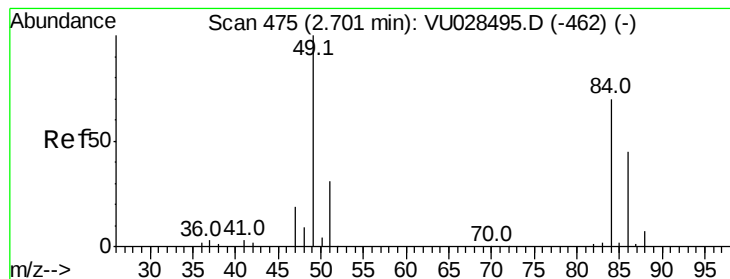


#16

Acetone
 Concen: 1.592 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU028556.D
 Acq: 10 Dec 2018 17:10

Tgt Ion: 43 Resp: 1381
 Ion Ratio Lower Upper
 43 100
 58 31.3 24.6 37.0





#20

Methvlene Chloride

Concen: 0.217 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

RE-126D1-20181207

Tot Ion: 84 Resp: 278

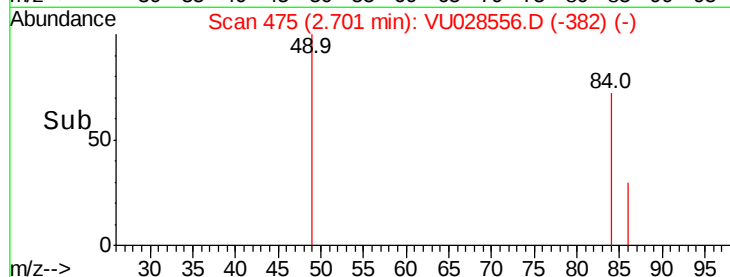
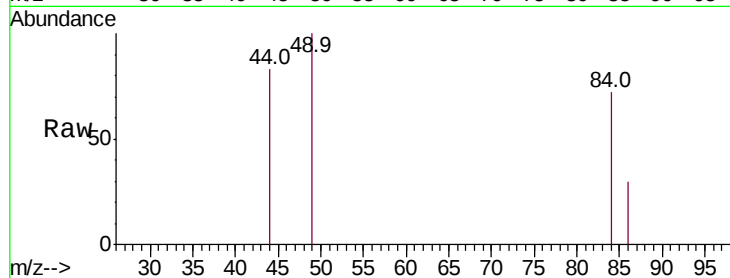
Ion Ratio Lower Upper

84 100

49 138.1 114.0 171.0

51 0.0 35.1 52.7#

86 40.9 51.0 76.6#

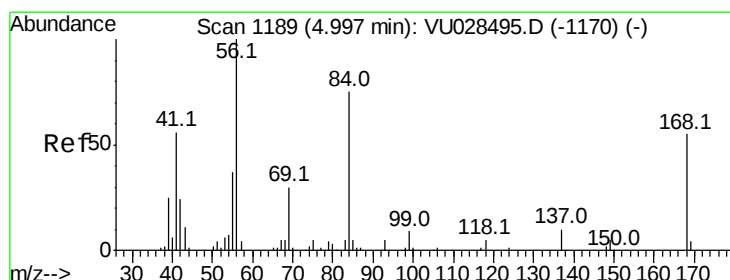
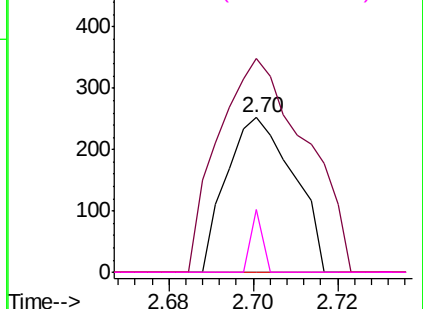


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

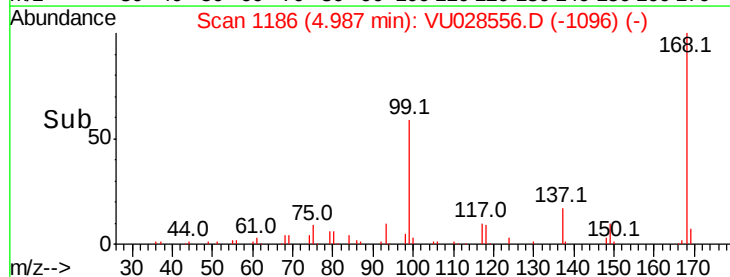
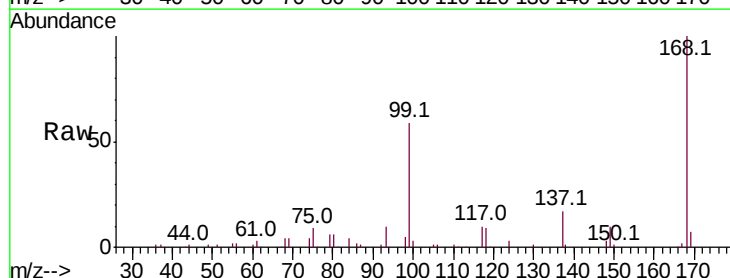
Tgt Ion: 56 Resp: 2038

Ion Ratio Lower Upper

56 100

69 180.3 24.0 36.0#

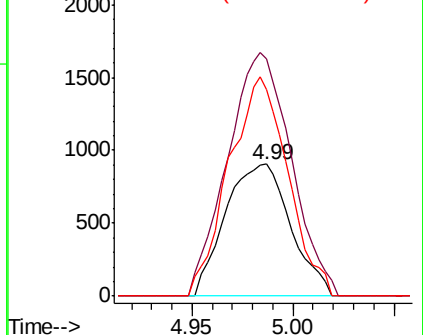
84 156.1 59.7 89.5#

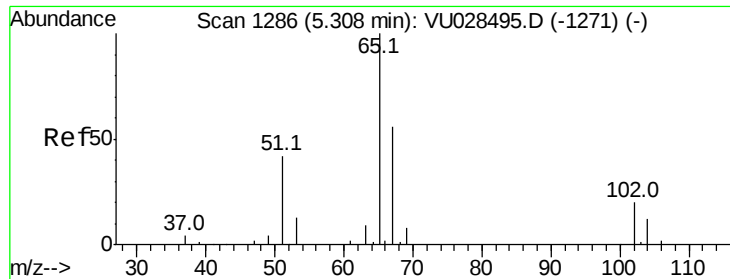


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

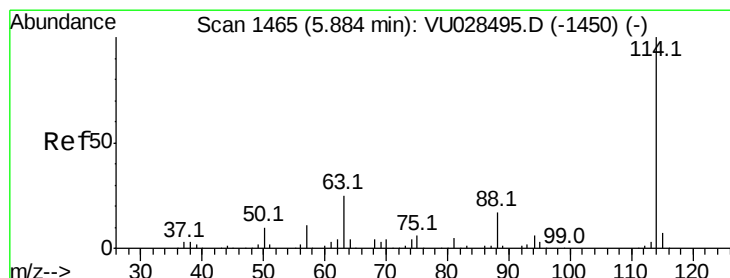
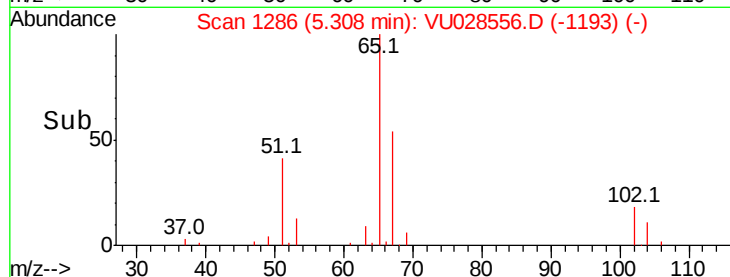
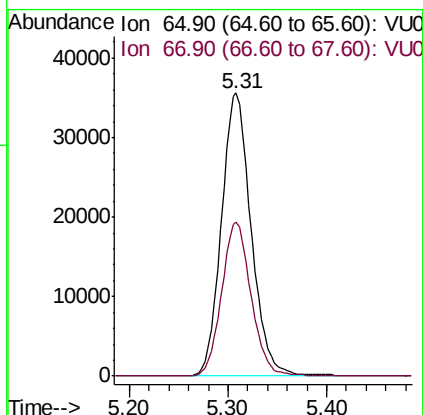
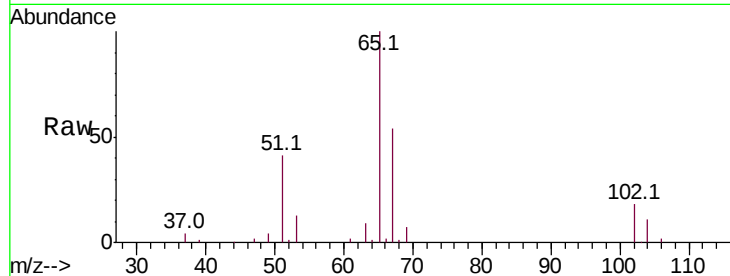




#33
 1,2-Dichloroethane-d4
 Concen: 56.492 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028556.D
 Acq: 10 Dec 2018 17:10

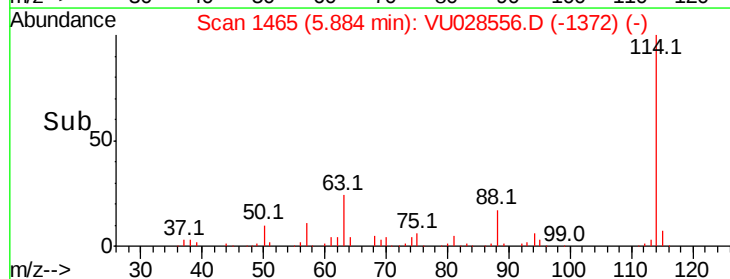
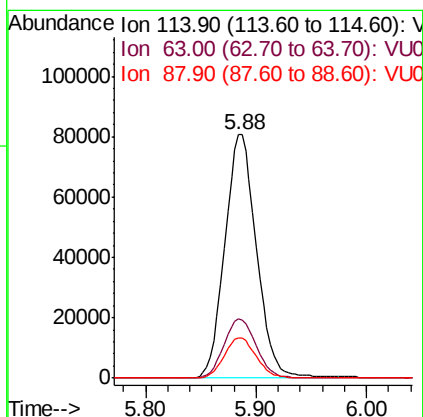
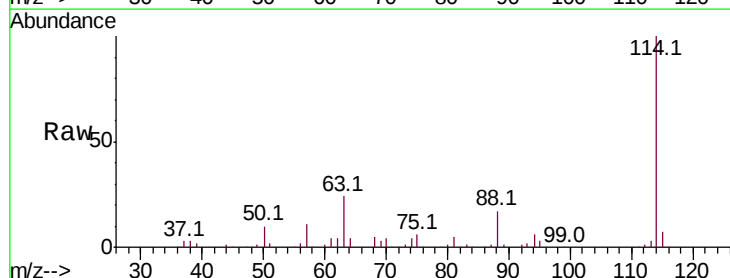
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-126D1-20181207

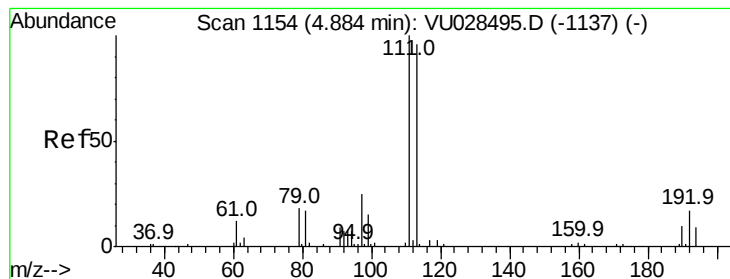
Tot Ion: 65 Resp: 75113
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028556.D
 Acq: 10 Dec 2018 17:10

Tgt Ion: 114 Resp: 160853
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.379 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

RE-126D1-20181207

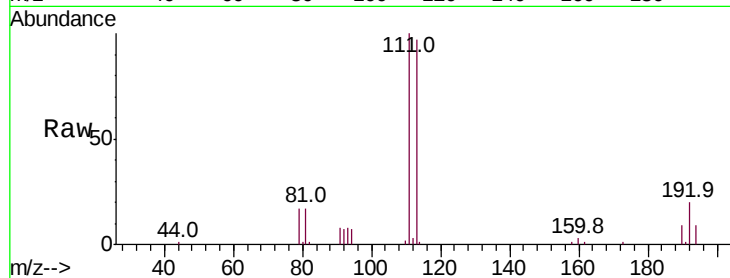
Tot Ion:113 Resp: 55046

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.0

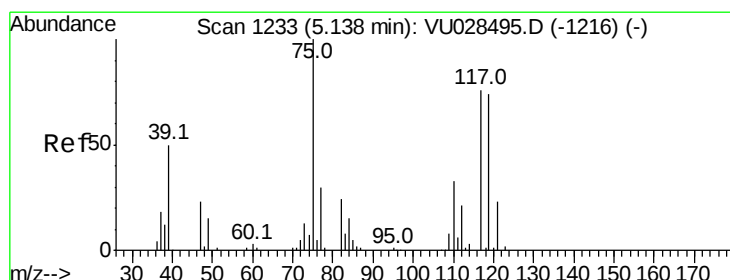
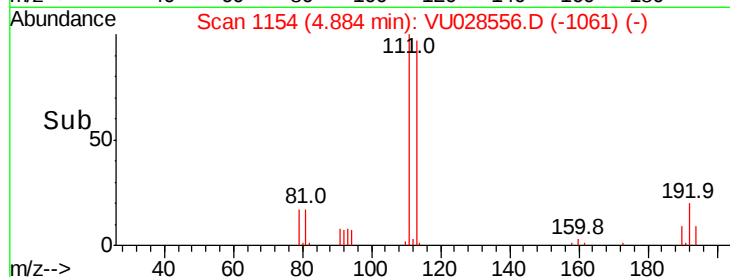
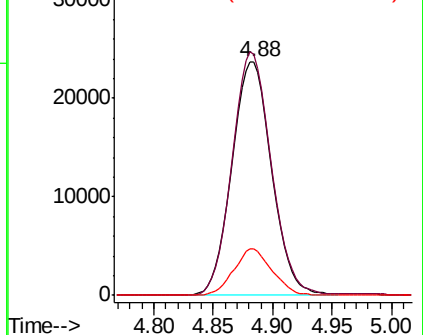
192 19.1 14.8 22.2



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: 4.573 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

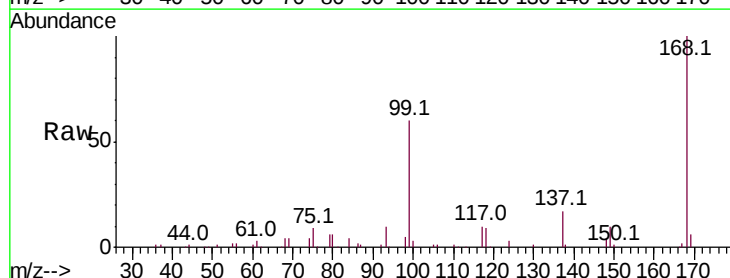
Tgt Ion: 75 Resp: 8049

Ion Ratio Lower Upper

75 100

110 6.0 16.1 48.2#

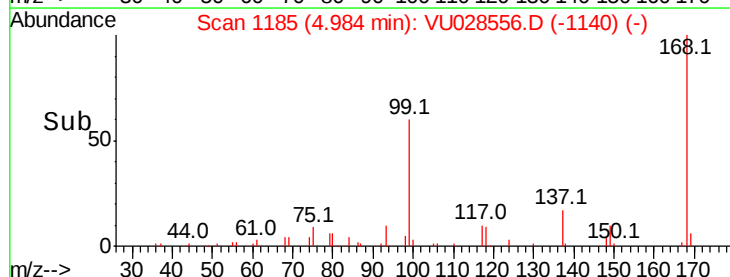
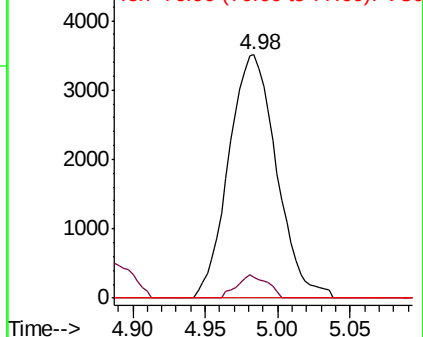
77 0.0 24.5 36.7#

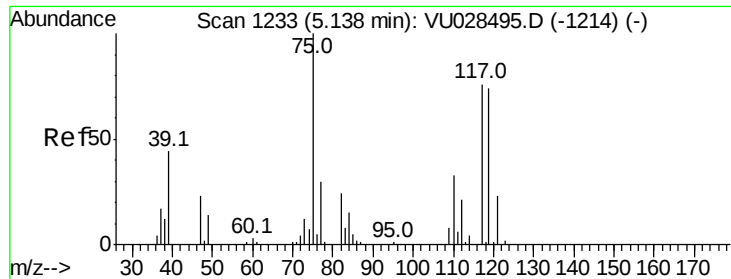


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

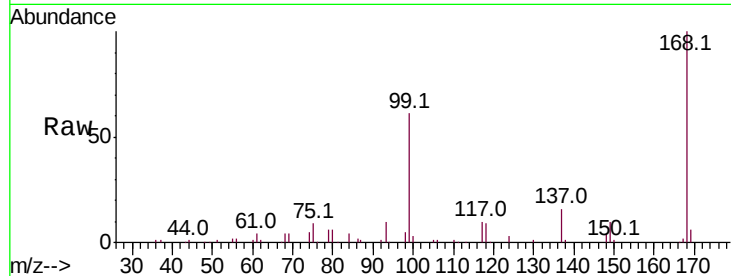




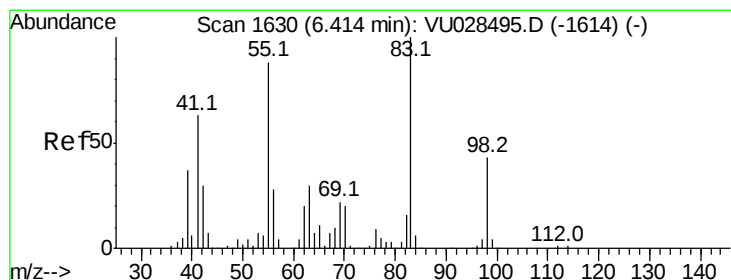
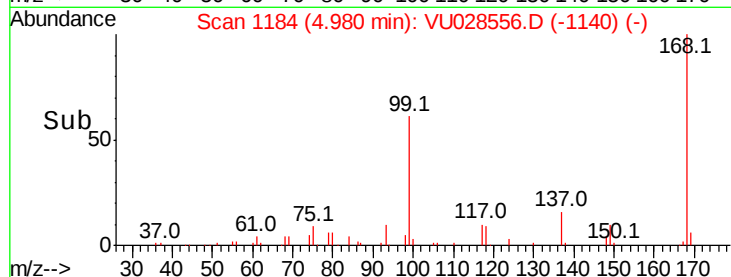
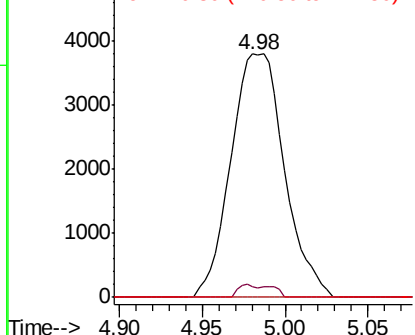
#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028556.D
Acq: 10 Dec 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
RE-126D1-20181207

Tot Ion:117 Resp: 8522
Ion Ratio Lower Upper
117 100
119 4.5 77.6 116.4#
121 0.0 24.6 36.8#

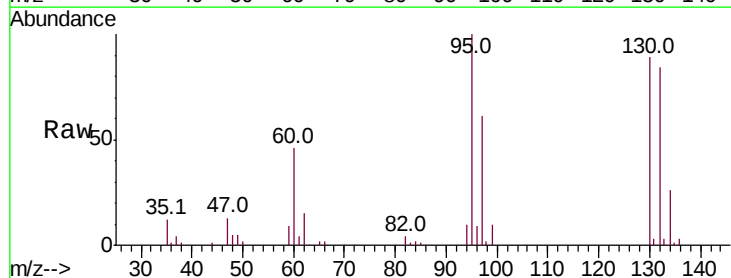


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

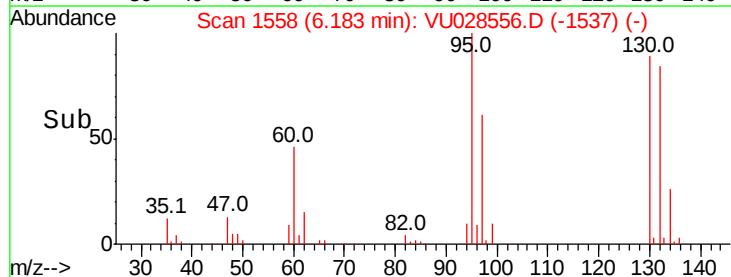
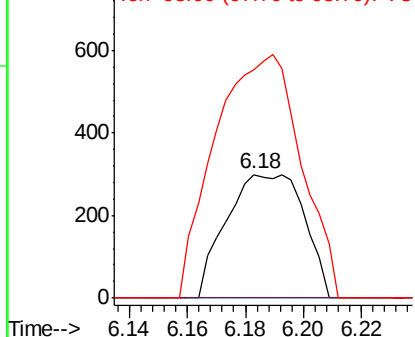


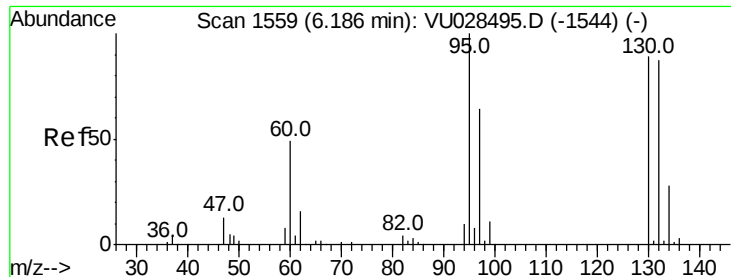
#39
Methylcyclohexane
Concen: 0.259 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.23 min
Lab File: VU028556.D
Acq: 10 Dec 2018 17:10

Tgt Ion: 83 Resp: 556
Ion Ratio Lower Upper
83 100
55 0.0 70.2 105.2#
98 184.9 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 39.290 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

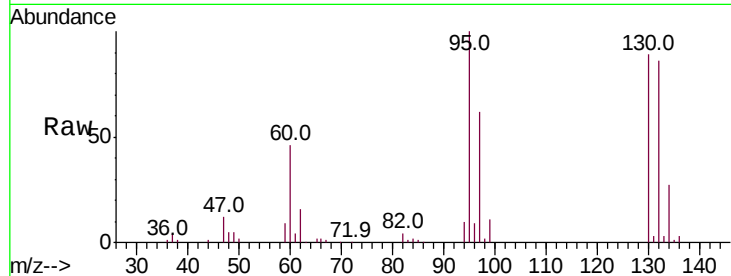
RE-126D1-20181207

Tot Ion:130 Resp: 45289

Ion Ratio Lower Upper

130 100

95 112.3 0.0 224.0

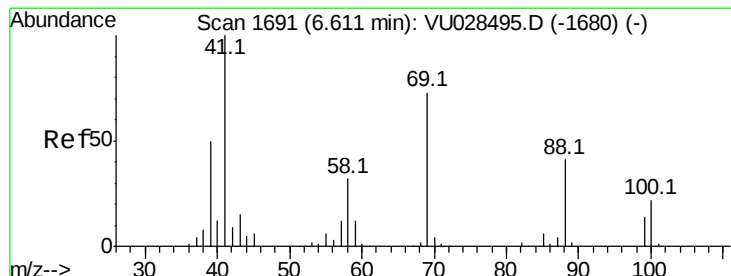
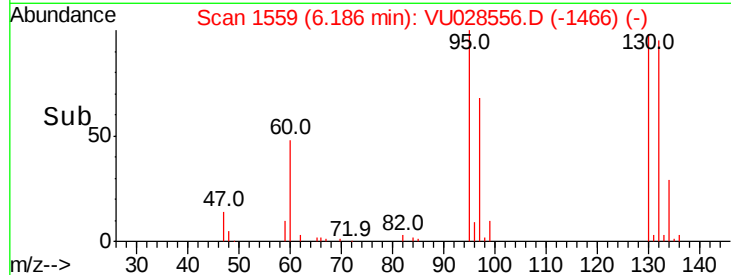


Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

6.19

Time-->



#49

1,4-Dioxane

Concen: 7.148 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

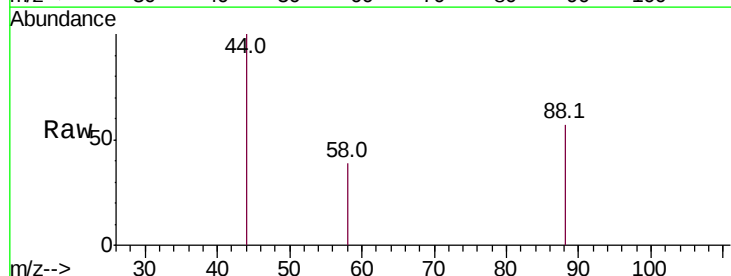
Tgt Ion: 88 Resp: 202

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 20.8 62.4 93.6#



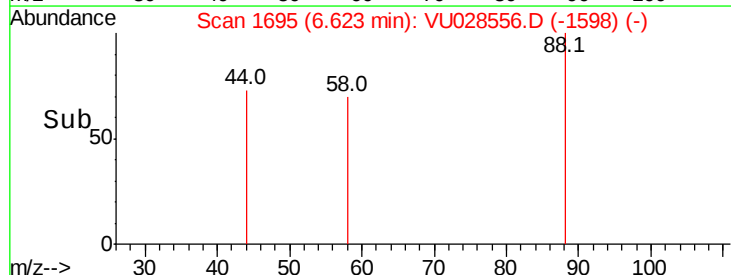
Abundance Ion 88.00 (87.70 to 88.70): VU028495.D (-1680) (-)

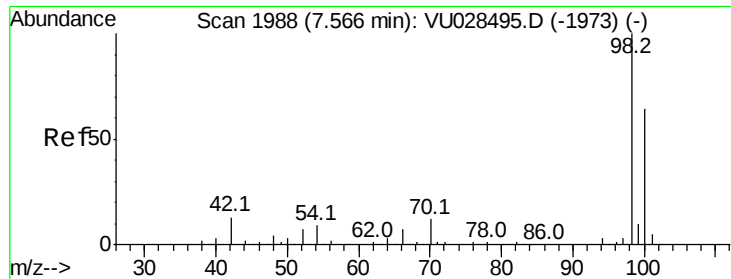
Ion 43.00 (42.70 to 43.70): VU028495.D (-1680) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1680) (-)

6.62

Time-->





#50

Toluene-d8

Concen: 52.641 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

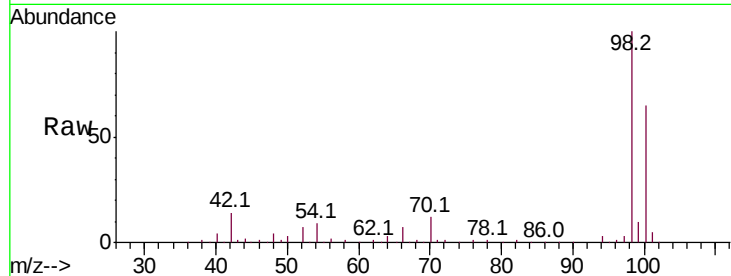
RE-126D1-20181207

Tot Ion: 98 Resp: 210792

Ion Ratio Lower Upper

98 100

100 62.5 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

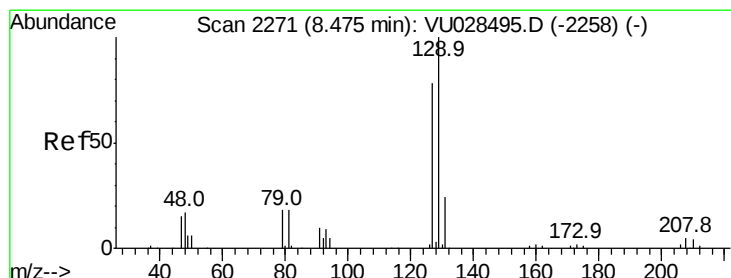
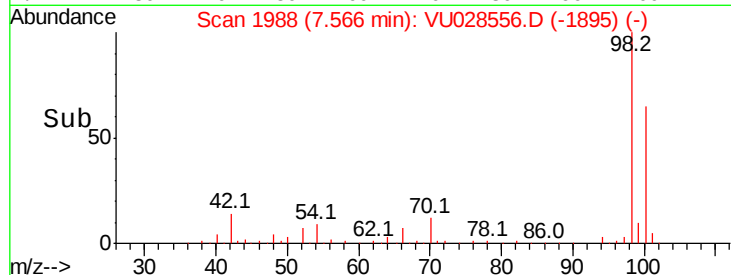
100000

50000

0

Time-->

7.50 7.60 7.70



#60

Dibromochloromethane

Concen: 1.133 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028556.D

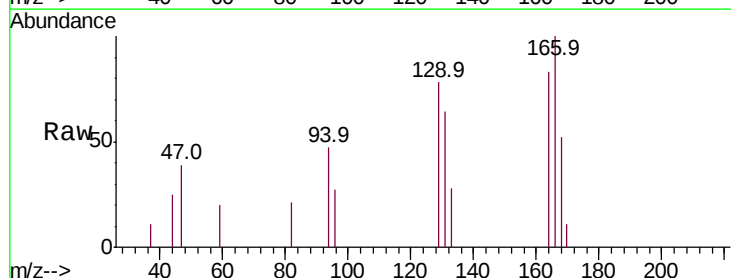
Acq: 10 Dec 2018 17:10

Tgt Ion: 129 Resp: 1338

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)

8.23

800

600

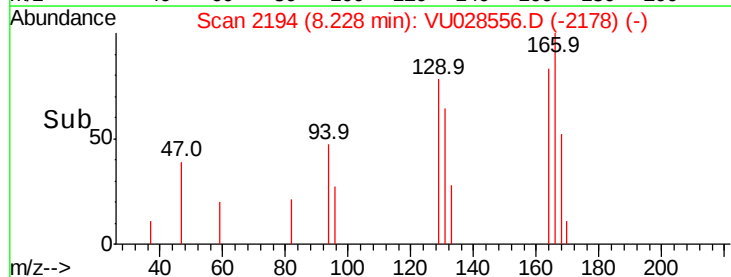
400

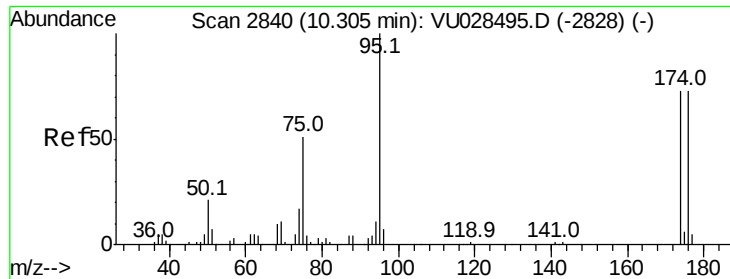
200

0

Time-->

8.20 8.25

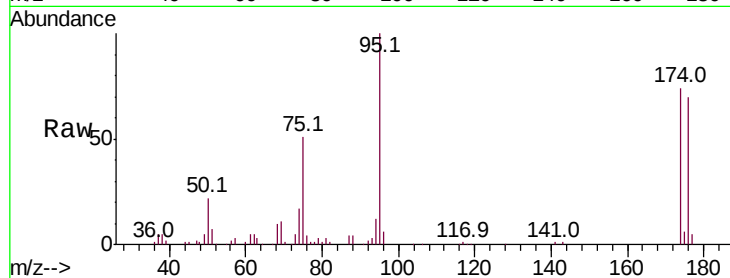




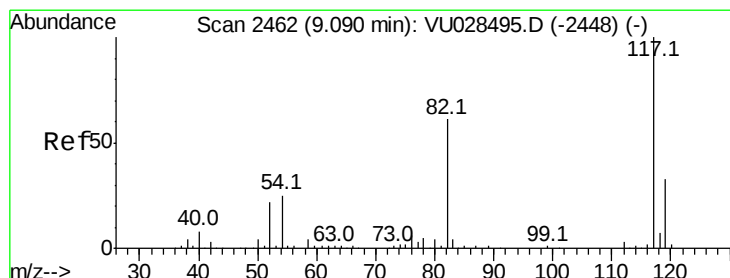
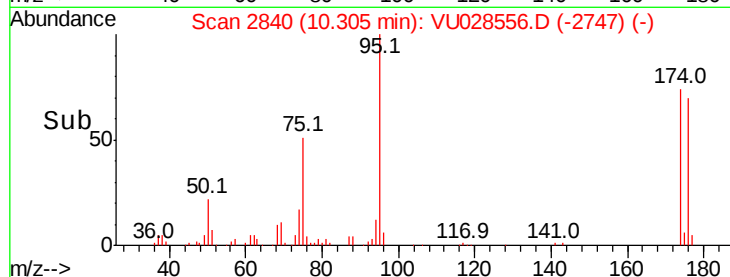
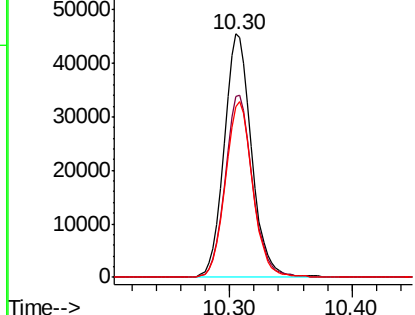
#62
4-Bromofluorobenzene
Concen: 47.892 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028556.D
Acq: 10 Dec 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
RE-126D1-20181207

Tot Ion: 95 Resp: 71679
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.4
176 72.1 0.0 145.2

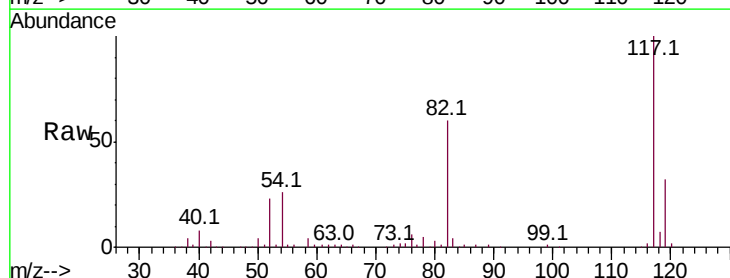


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

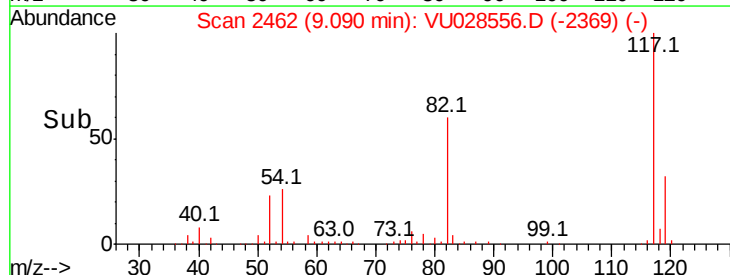
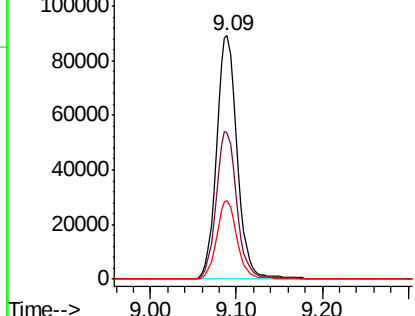


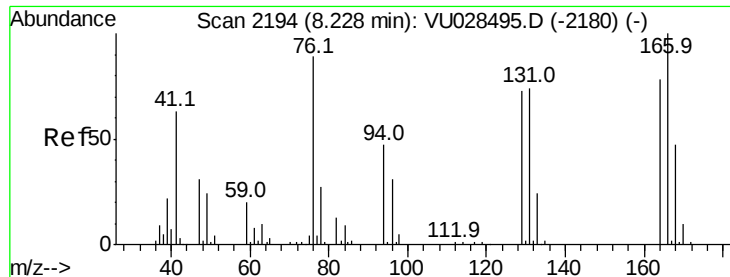
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028556.D
Acq: 10 Dec 2018 17:10

Tgt Ion: 117 Resp: 149125
Ion Ratio Lower Upper
117 100
82 60.3 48.9 73.3
119 32.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#64

Tetrachloroethene

Concen: 1.363 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

RE-126D1-20181207

Tot Ion:164 Resp: 1356

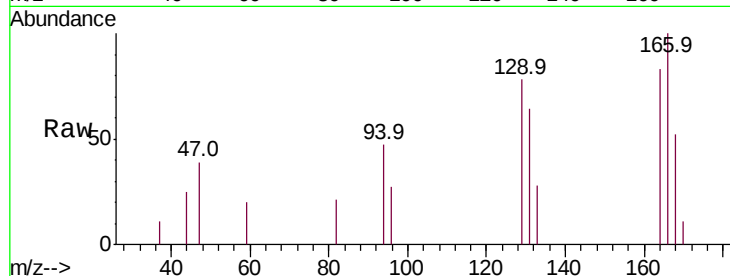
Ion Ratio Lower Upper

164 100

166 121.0 101.9 152.9

129 94.4 74.9 112.3

131 78.0 75.4 113.0

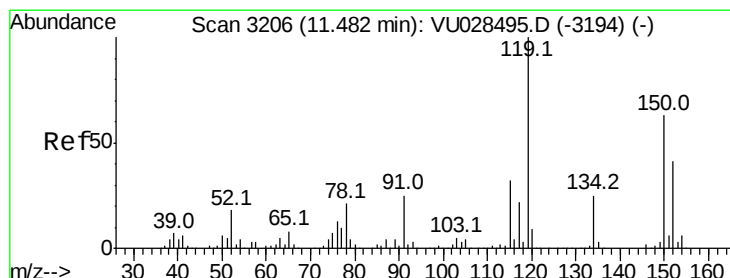
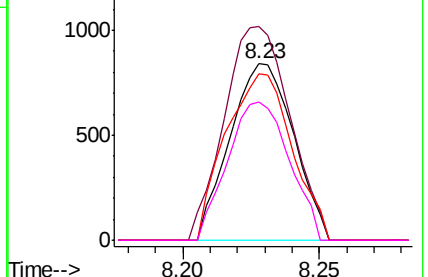
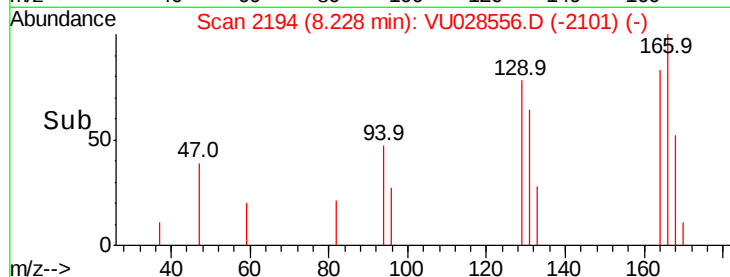


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU028556.D

Acq: 10 Dec 2018 17:10

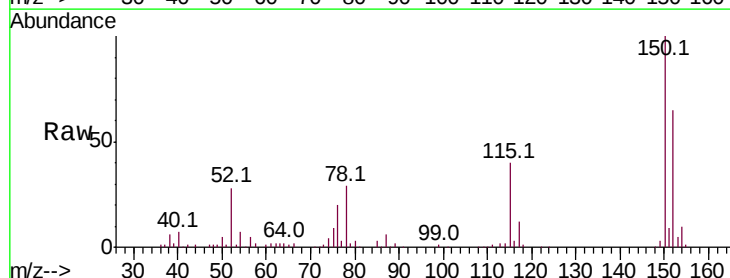
Tgt Ion:152 Resp: 61970

Ion Ratio Lower Upper

152 100

115 60.9 42.7 128.1

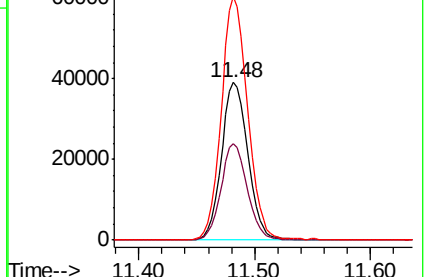
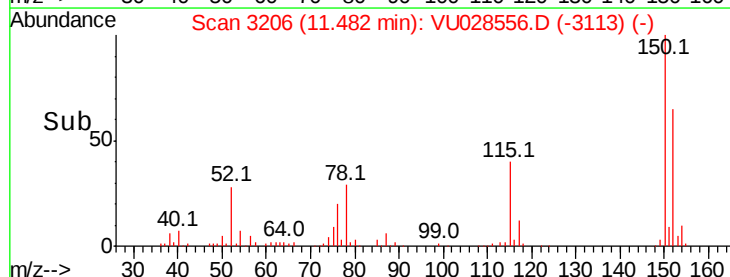
150 153.3 0.0 346.0

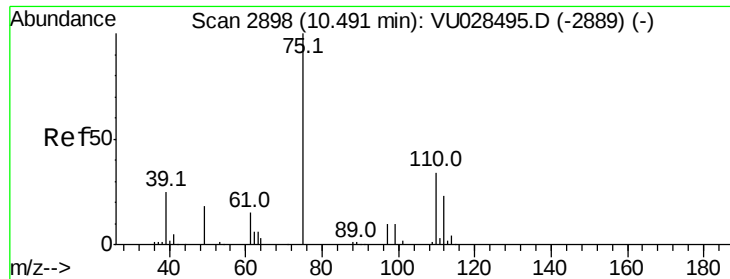


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.476 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

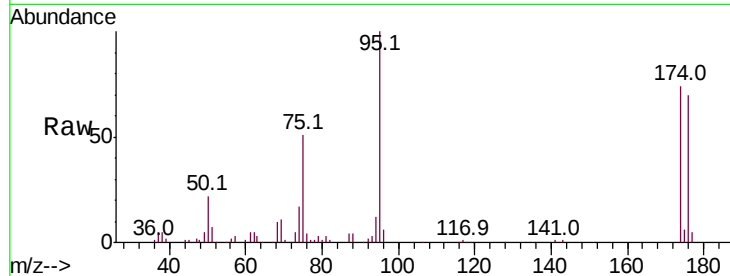
RE-126D1-20181207

Tot Ion: 75 Resp: 37149

Ion Ratio Lower Upper

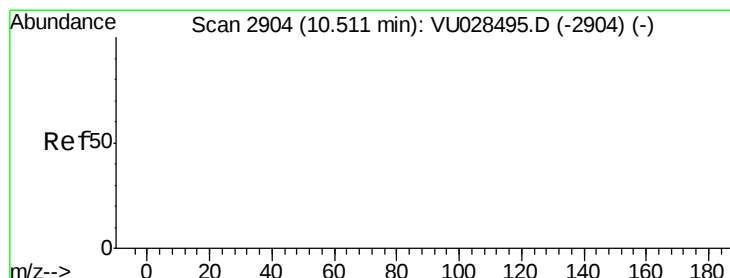
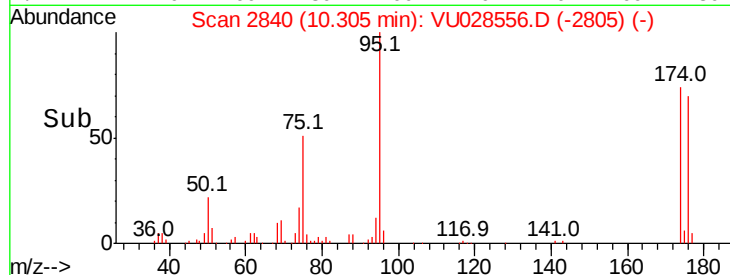
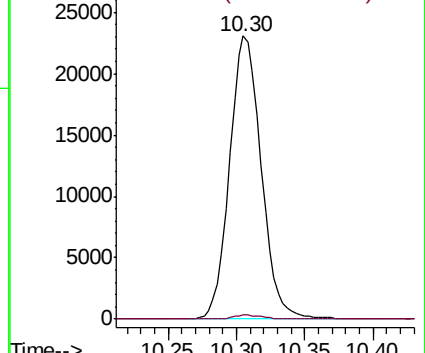
75 100

77 1.2 20.8 62.4#



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: 57.639 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028556.D

Acq: 10 Dec 2018 17:10

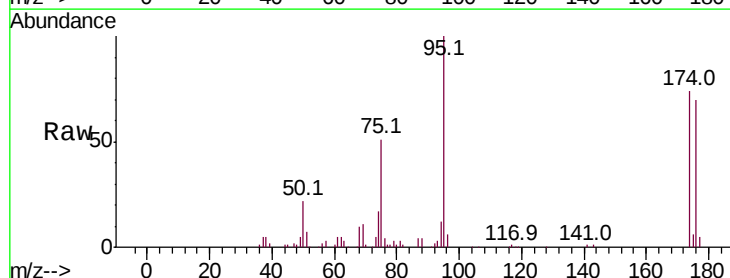
Tgt Ion: 75 Resp: 37149

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

