

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024929.D
 Acq On : 26 Jun 2018 19:07
 Operator : MD/SY
 Sample : VU0627MBL01
 Misc : 5.00g/10ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL01

Quant Time: Jun 27 04:13:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	220749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331879	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	305732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163032	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	164120	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
35) Dibromofluoromethane	4.89	113	132695	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
50) Toluene-d8	7.57	98	479892	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	10.31	95	177398	44.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.94%	

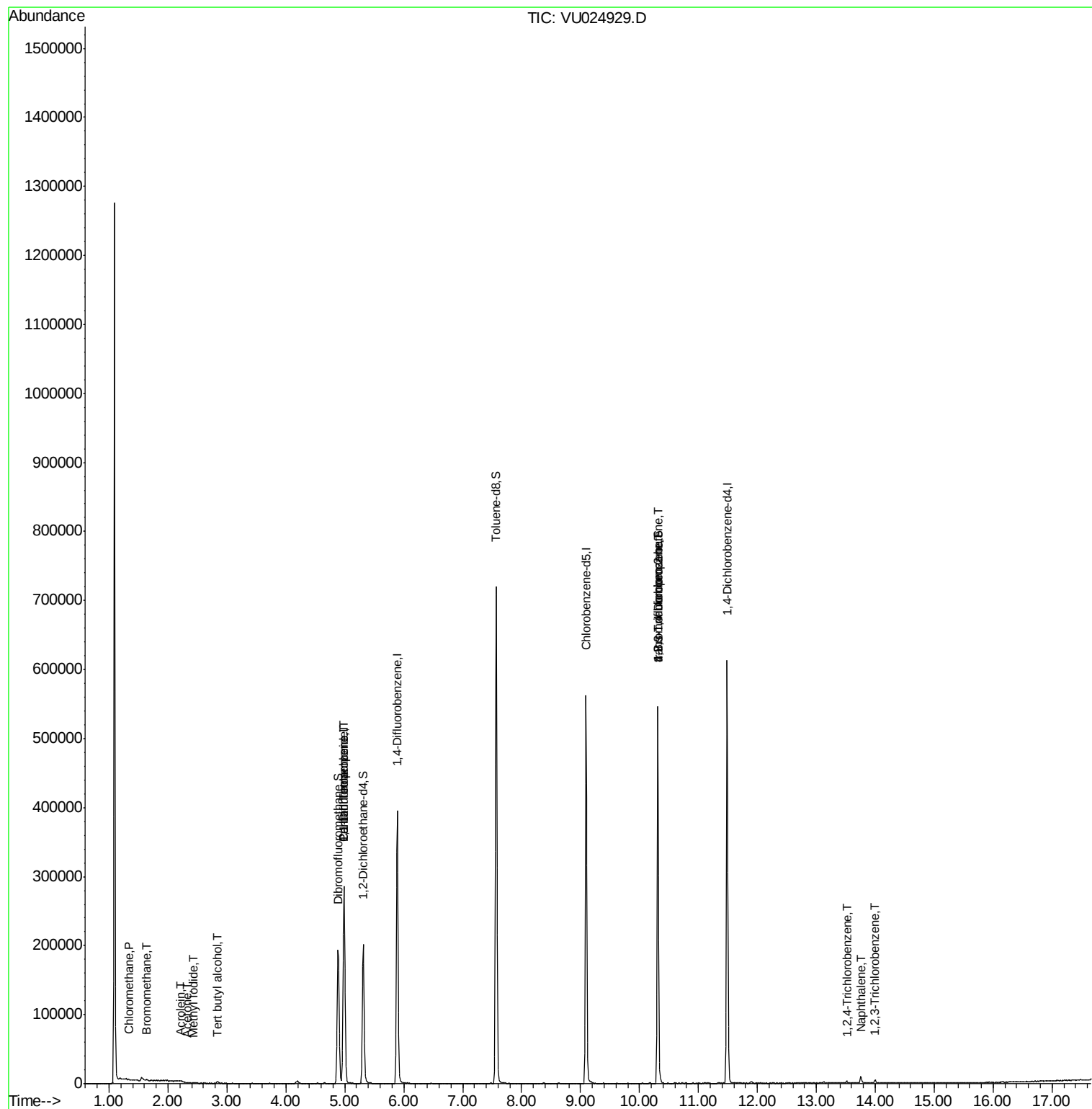
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1589	0.563	ug/l	95
5) Bromomethane	1.64	94	872	0.620	ug/l #	66
6) Chloroethane	1.70	64	43	Below Cal	#	43
10) Methyl Iodide	2.42	142	709	5.560	ug/l #	78
11) Tert butyl alcohol	2.84	59	1616	1.844	ug/l #	72
13) Acrolein	2.20	56	227	0.493	ug/l	96
16) Acetone	2.32	43	651	0.336	ug/l #	44
31) Cyclohexane	4.99	56	4453	Below Cal	#	10
36) 1,1-Dichloropropene	4.99	75	16251	4.167	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21038	4.906	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	91411	25.467	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	91411	58.942	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	1223	0.338	ug/l	98
95) Naphthalene	13.75	128	9644	1.473	ug/l	96
96) 1,2,3-Trichlorobenzene	14.00	180	2085	0.578	ug/l	93

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

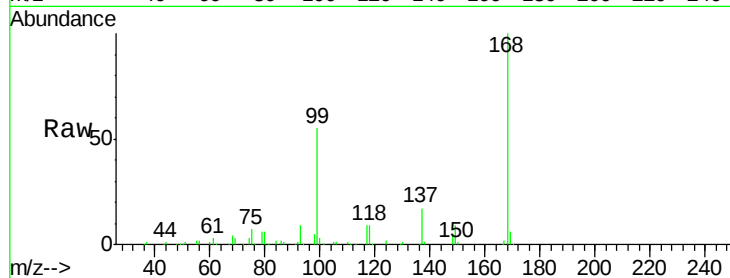
VU0627MBL01

Tgt Ion:168 Resp: 220749

Ion Ratio Lower Upper

168 100

99 55.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

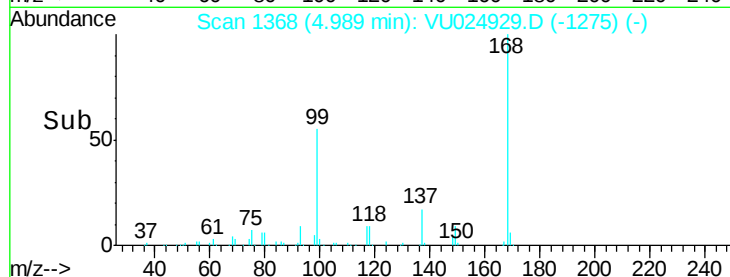
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.563 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024929.D

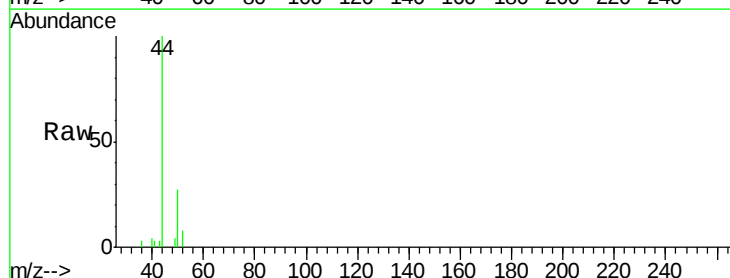
Acq: 26 Jun 2018 19:07

Tgt Ion: 50 Resp: 1589

Ion Ratio Lower Upper

50 100

52 30.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

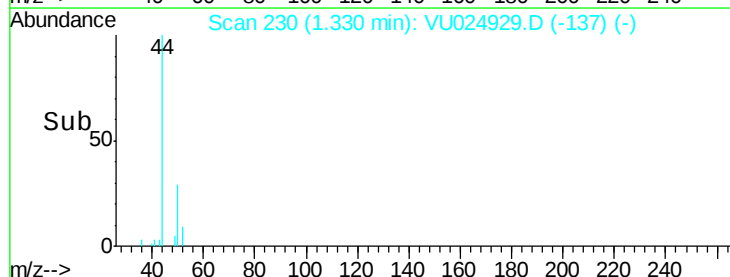
1500

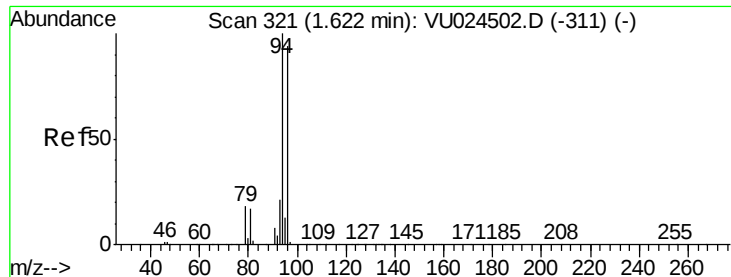
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.620 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

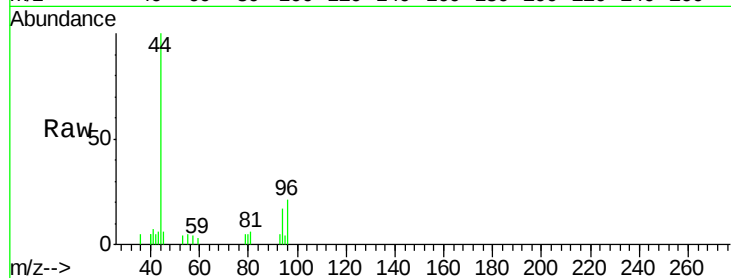
VU0627MBL01

Tgt Ion: 94 Resp: 872

Ion Ratio Lower Upper

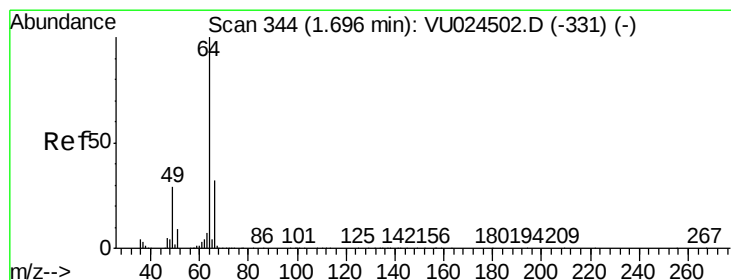
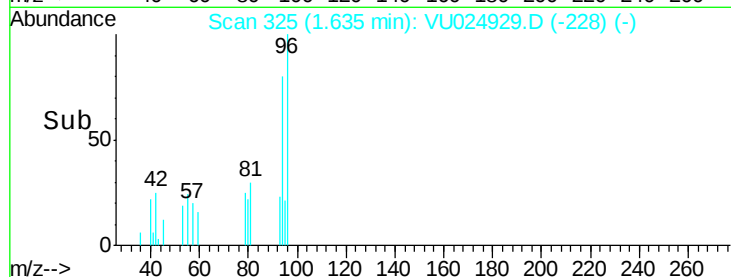
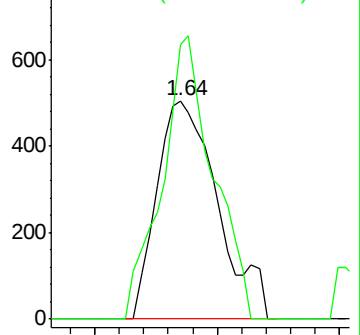
94 100

96 125.5 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024929.D

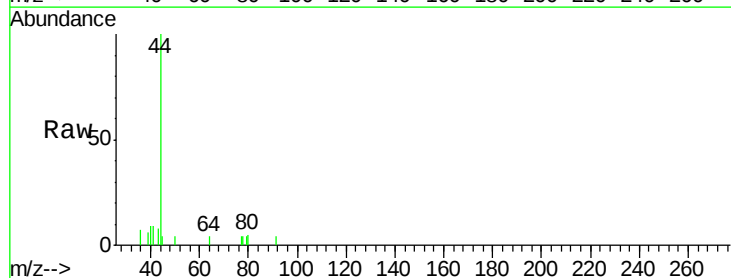
Acq: 26 Jun 2018 19:07

Tgt Ion: 64 Resp: 43

Ion Ratio Lower Upper

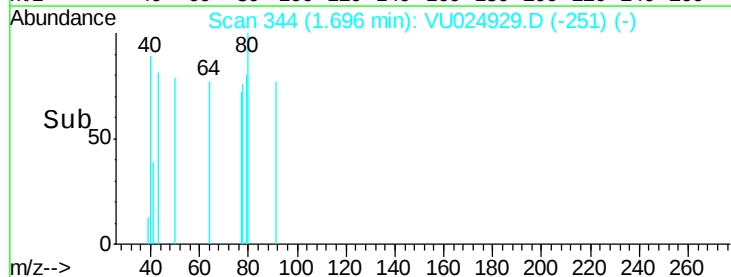
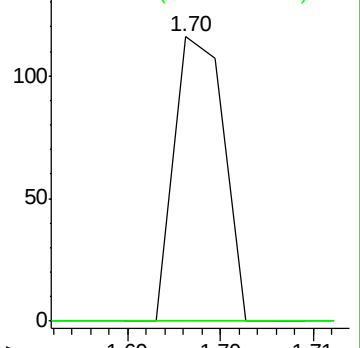
64 100

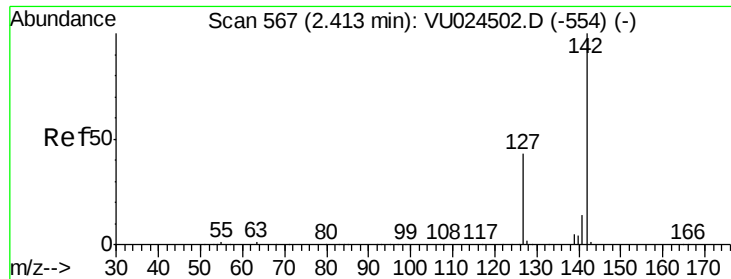
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

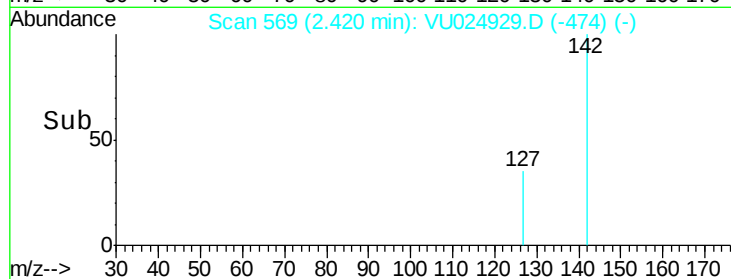
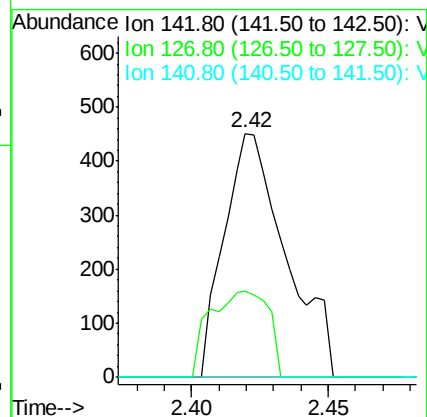
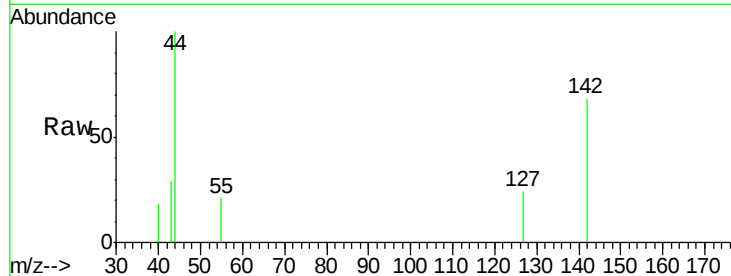




#10
Methyl Iodide
Concen: 5.560 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024929.D
Acq: 26 Jun 2018 19:07

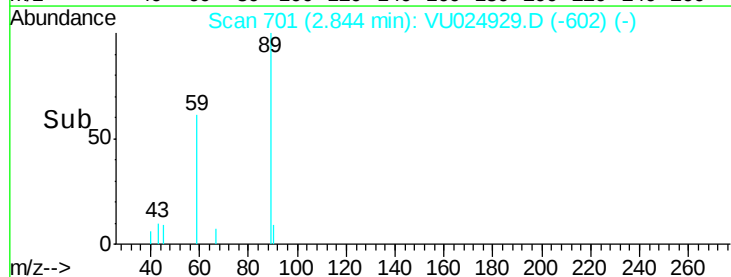
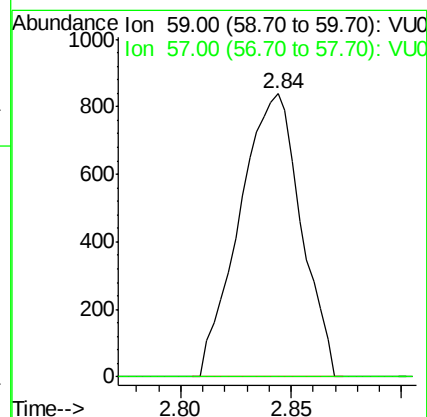
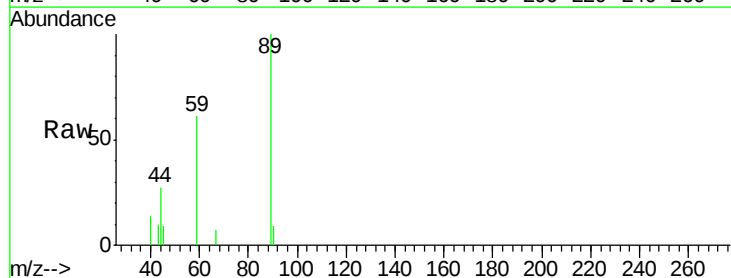
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

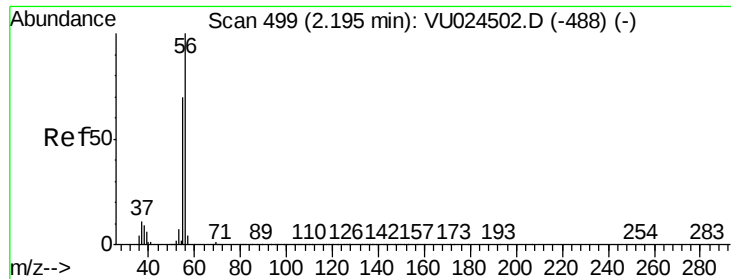
Tgt Ion: 142 Resp: 709
Ion Ratio Lower Upper
142 100
127 33.4 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.844 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024929.D
Acq: 26 Jun 2018 19:07

Tgt Ion: 59 Resp: 1616
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.493 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

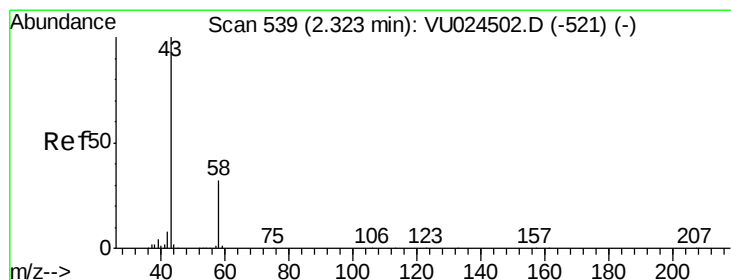
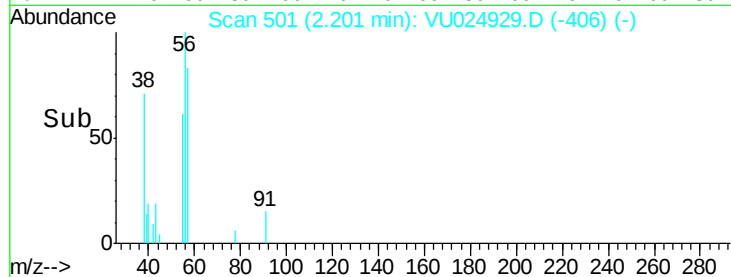
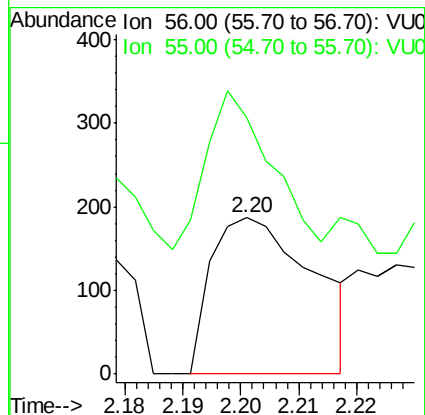
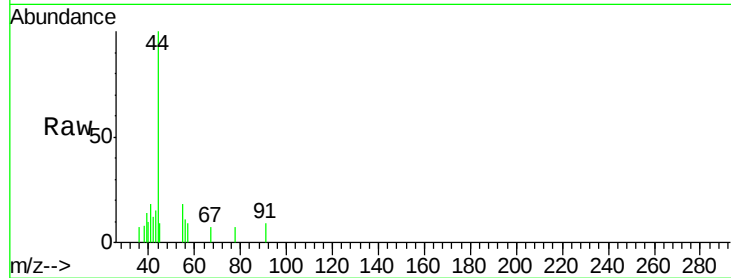
VU0627MBL01

Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 76.7 58.4 87.6



#16

Acetone

Concen: 0.336 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024929.D

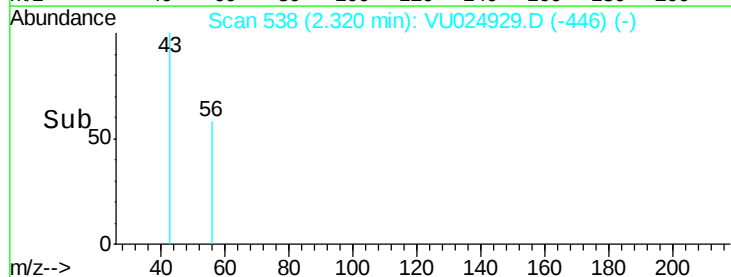
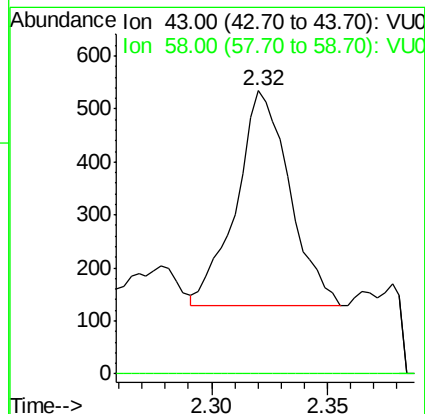
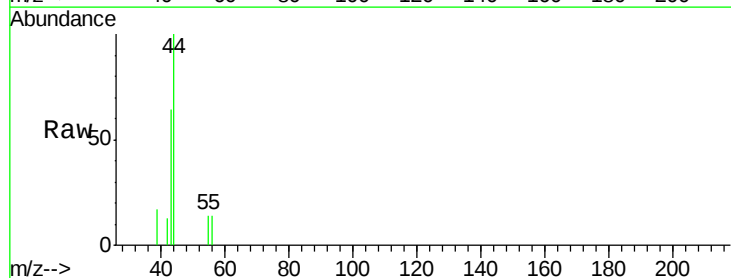
Acq: 26 Jun 2018 19:07

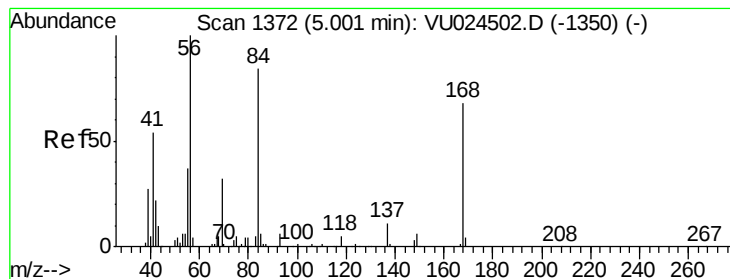
Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL01

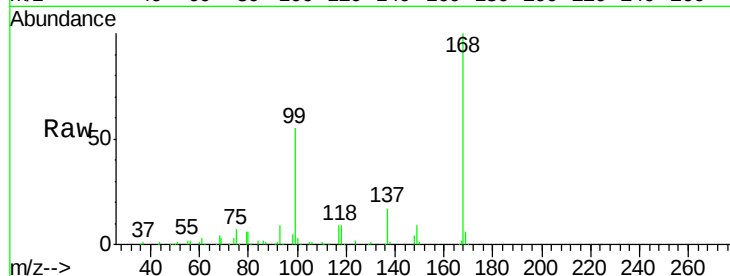
Tgt Ion: 56 Resp: 4453

Ion Ratio Lower Upper

56 100

69 164.8 24.8 37.2#

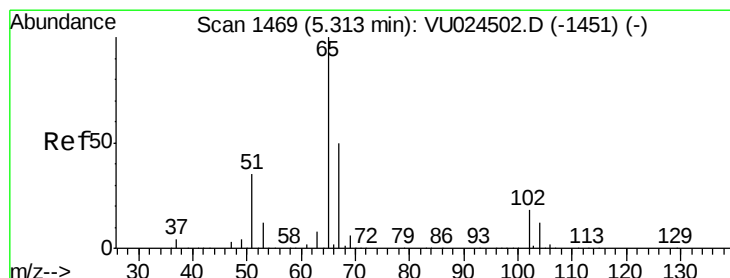
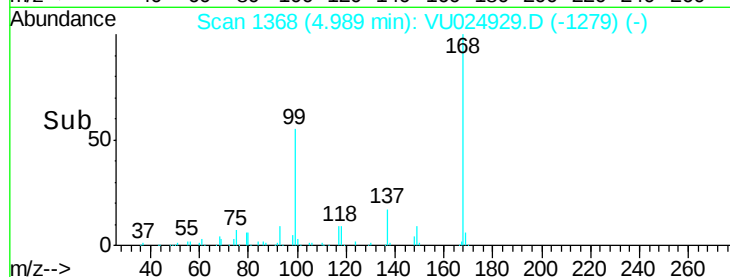
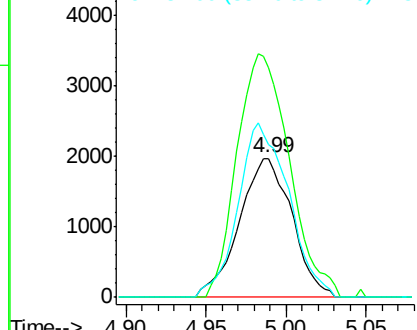
84 110.2 65.2 97.8#



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: 45.541 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024929.D

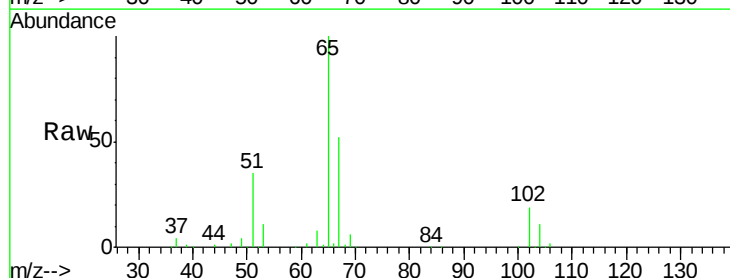
Acq: 26 Jun 2018 19:07

Tgt Ion: 65 Resp: 164120

Ion Ratio Lower Upper

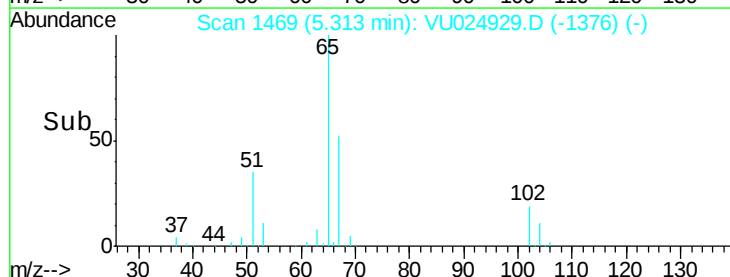
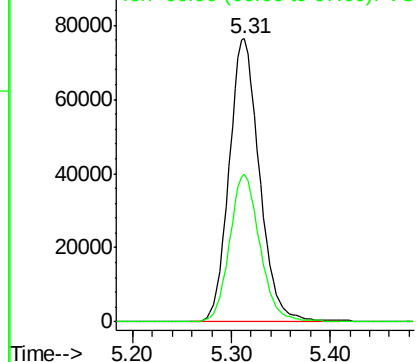
65 100

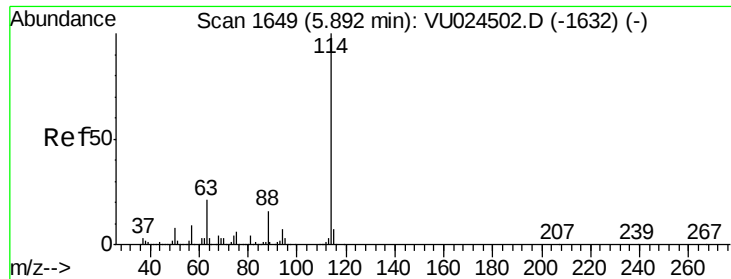
67 52.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL01

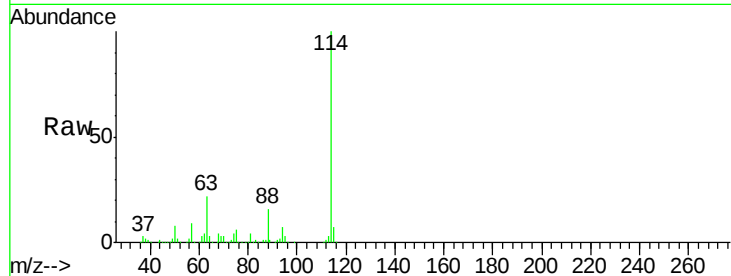
Tgt Ion:114 Resp: 331879

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.4

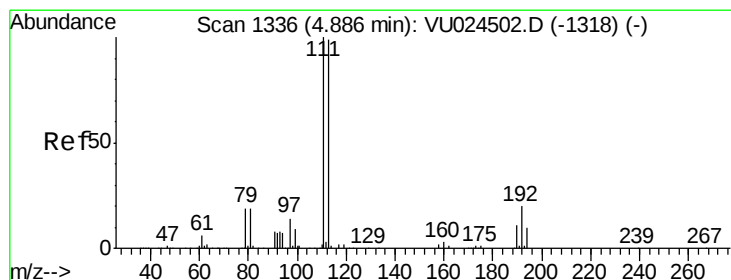
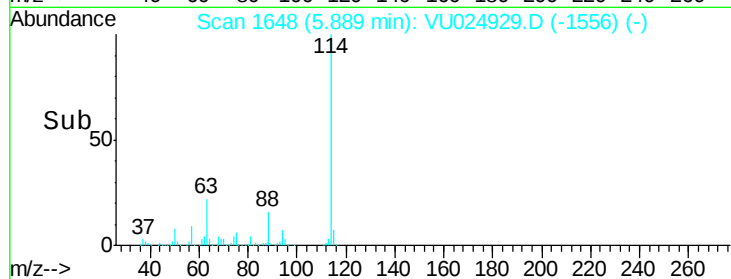
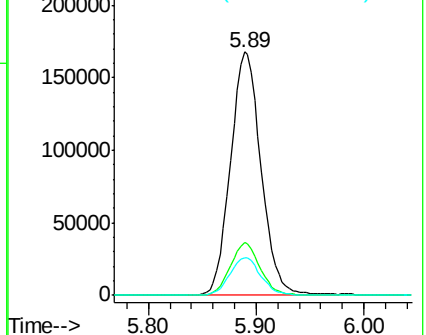
88 15.6 0.0 31.0



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: 48.177 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

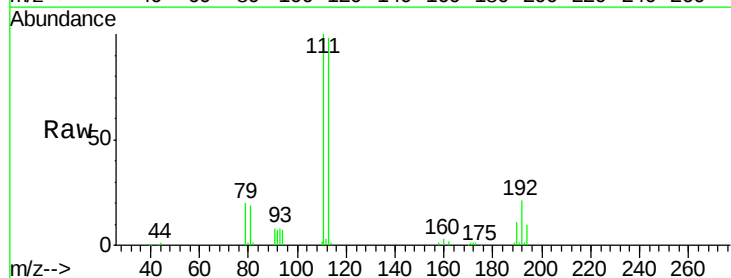
Tgt Ion:113 Resp: 132695

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

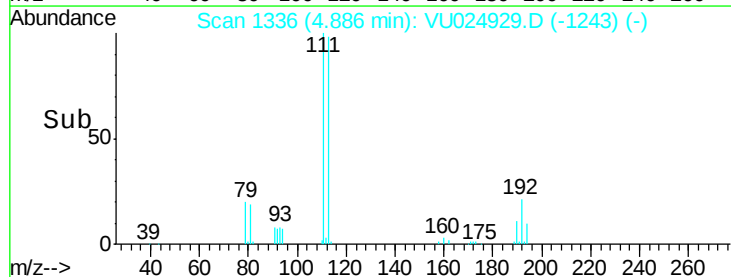
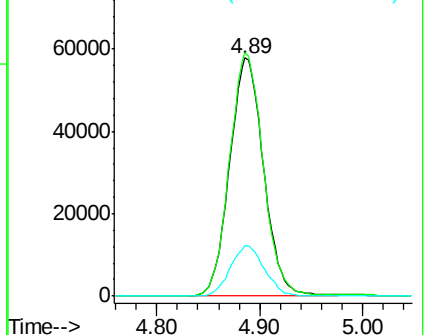
192 21.2 16.2 24.4

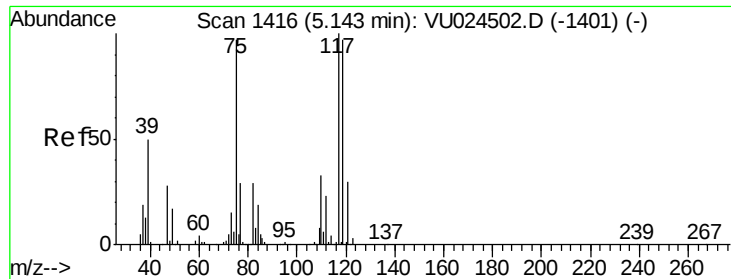


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.167 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

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VU0627MBL01

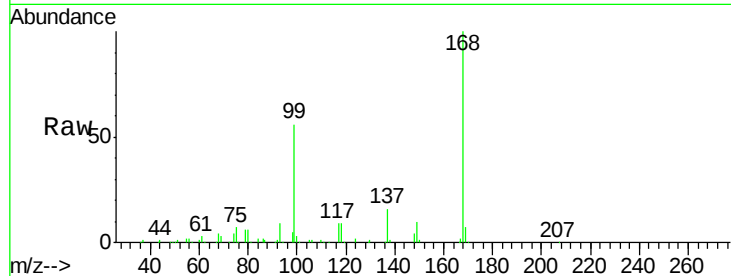
Tgt Ion: 75 Resp: 16251

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

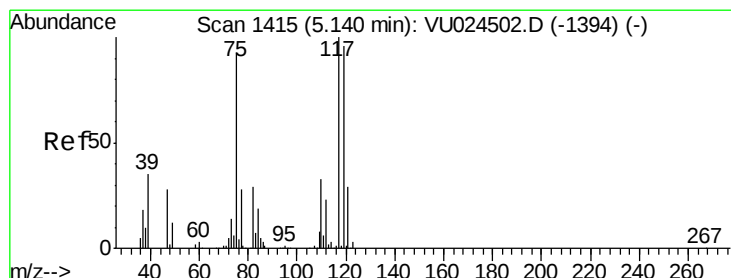
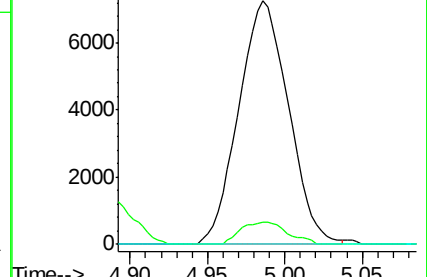
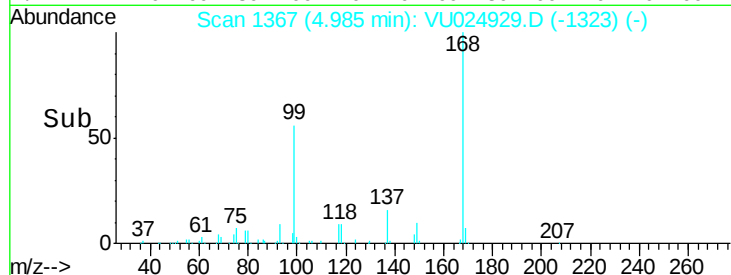
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024929.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024929.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024929.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 4.906 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

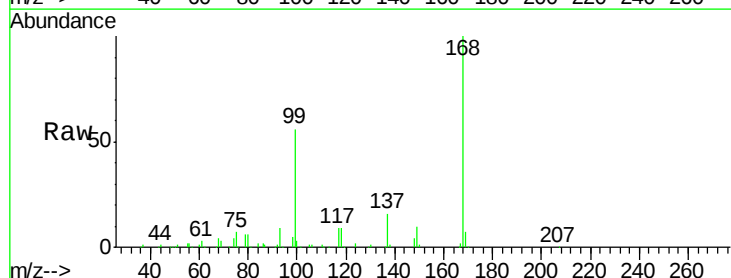
Tgt Ion: 117 Resp: 21038

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

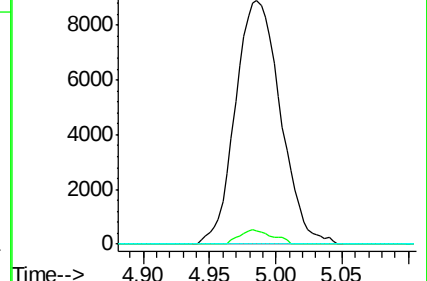
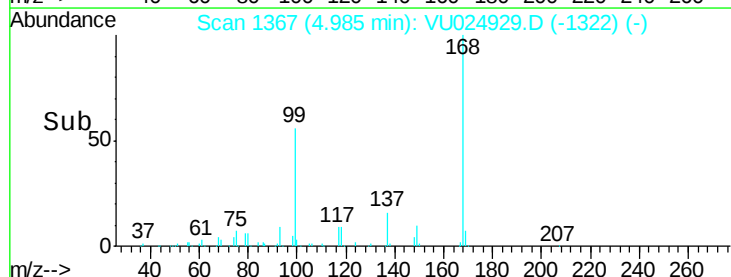
121 0.0 23.7 35.5#

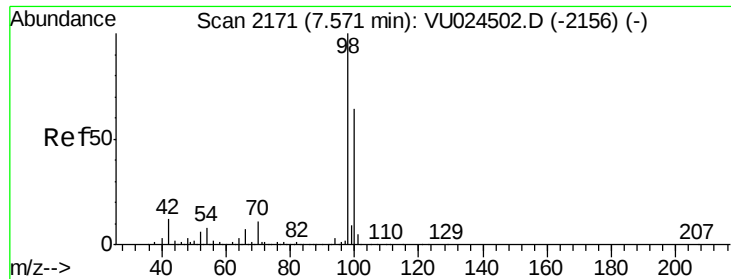


Abundance Ion 116.80 (116.50 to 117.50): VU024929.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024929.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024929.D (-1322) (-)





#50

Toluene-d8

Concen: 47.766 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

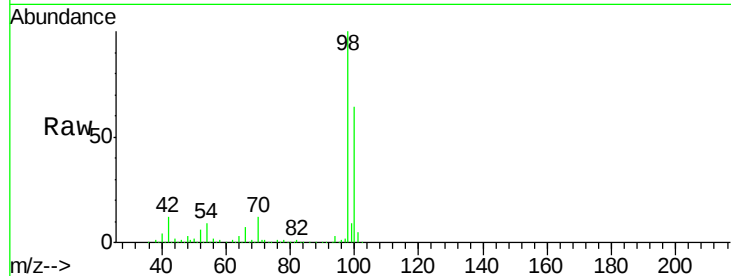
VU0627MBL01

Tgt Ion: 98 Resp: 479892

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

300000

250000

200000

150000

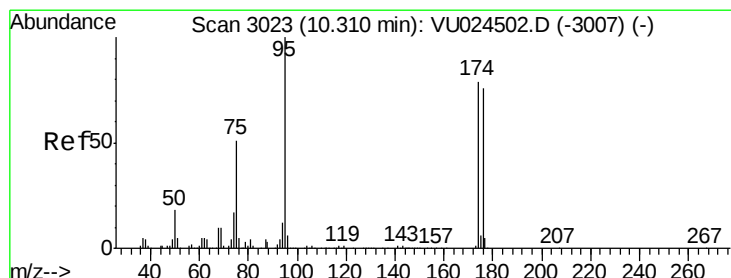
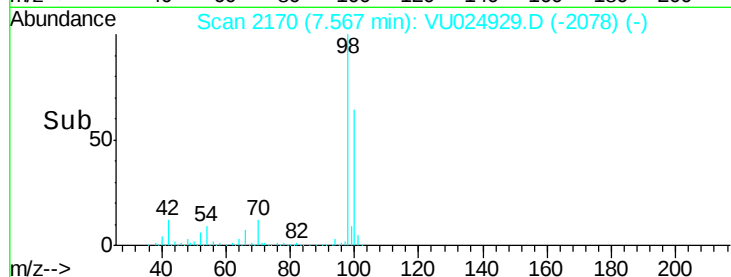
100000

50000

0

7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 44.472 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

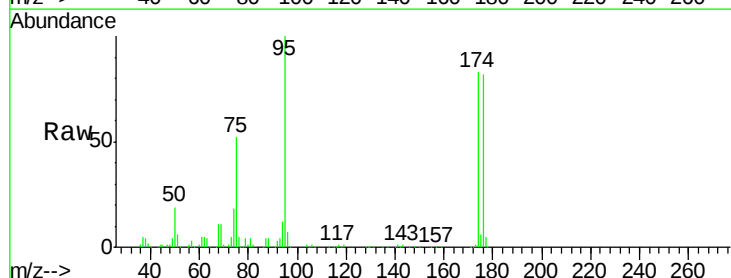
Tgt Ion: 95 Resp: 177398

Ion Ratio Lower Upper

95 100

174 84.5 0.0 165.8

176 82.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

10.31

150000

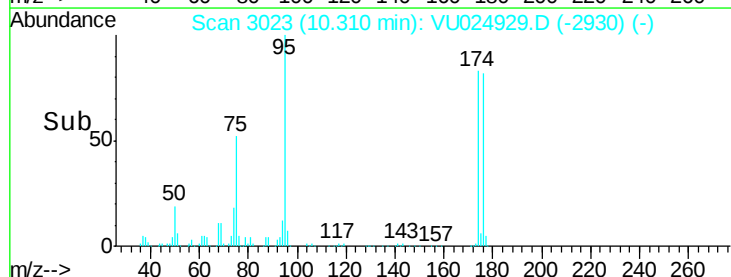
100000

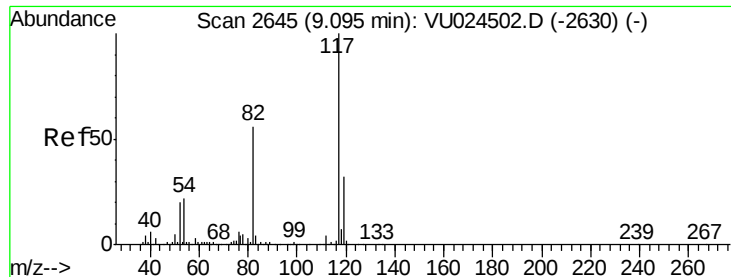
50000

0

10.20 10.30 10.40

Time-->

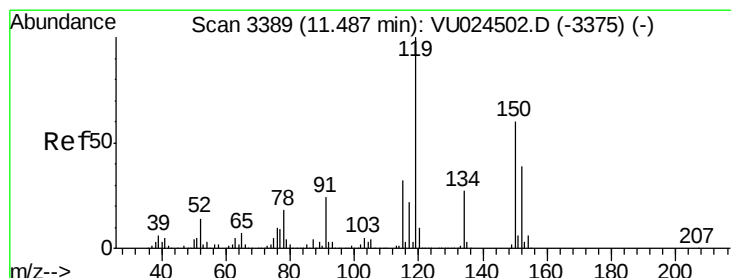
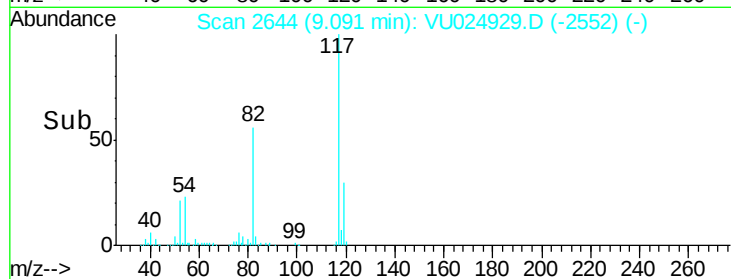
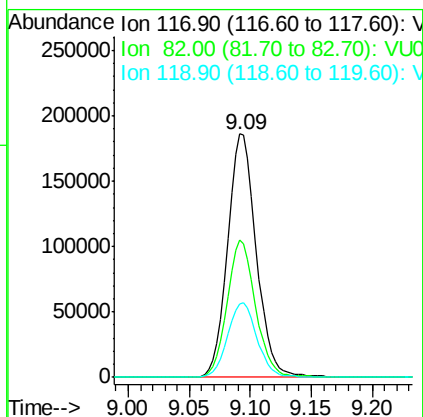
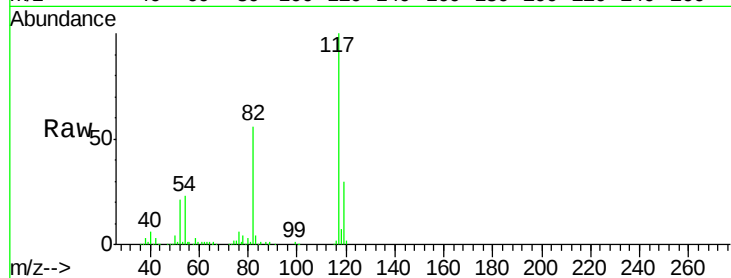




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024929.D
Acq: 26 Jun 2018 19:07

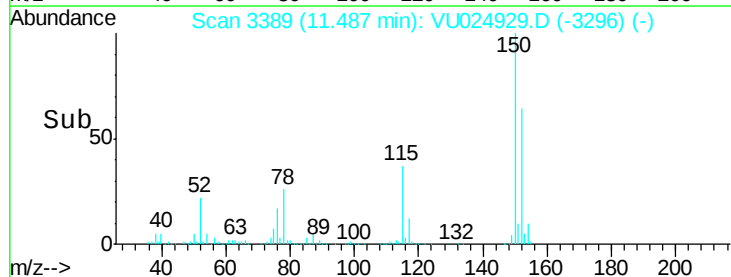
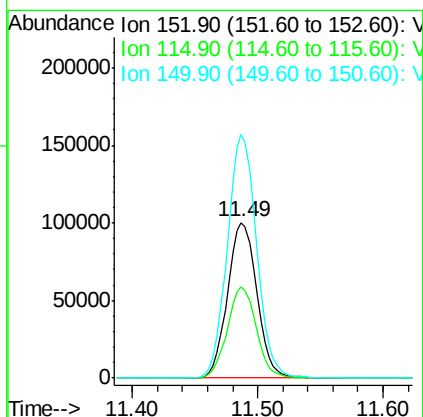
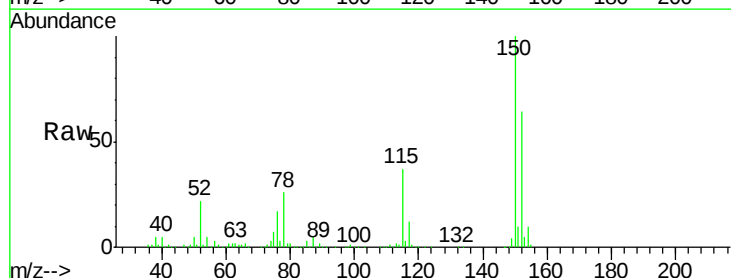
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

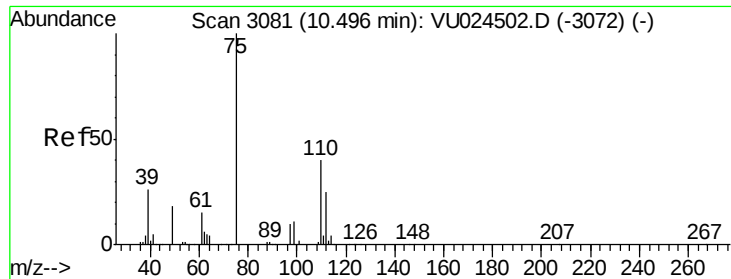
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	30.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024929.D
Acq: 26 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	43.0	129.0
150	156.1	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.467 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

Instrument :

MSVOA_U

ClientSampleId :

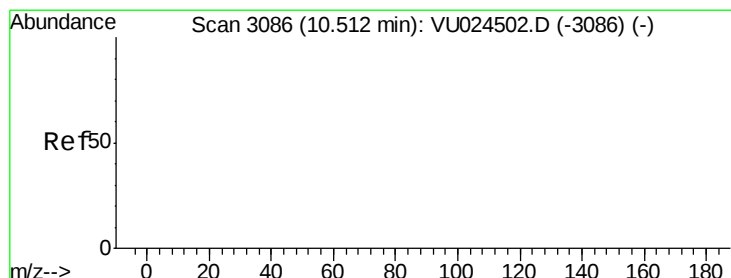
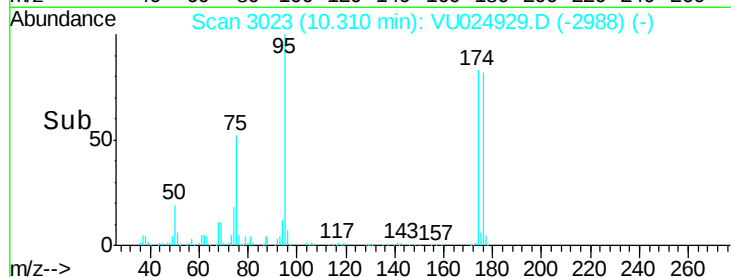
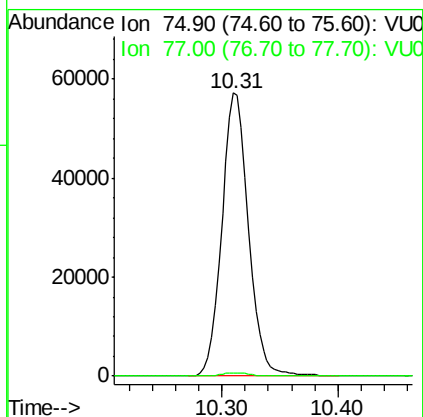
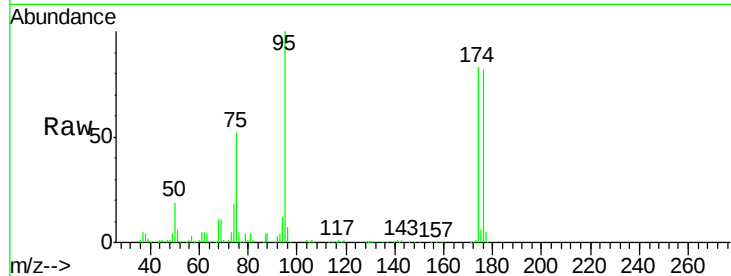
VU0627MBL01

Tgt Ion: 75 Resp: 91411

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.942 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024929.D

Acq: 26 Jun 2018 19:07

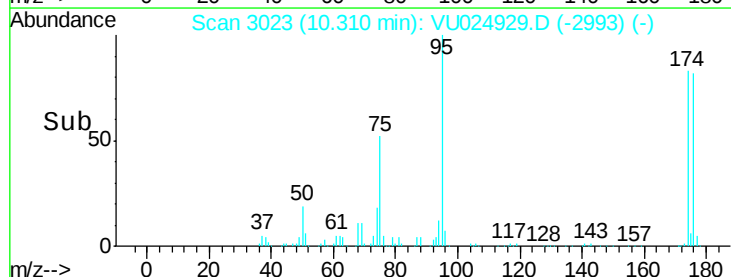
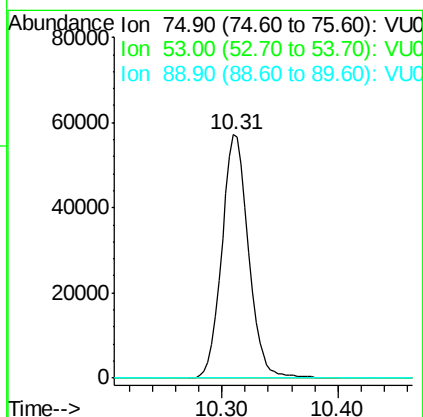
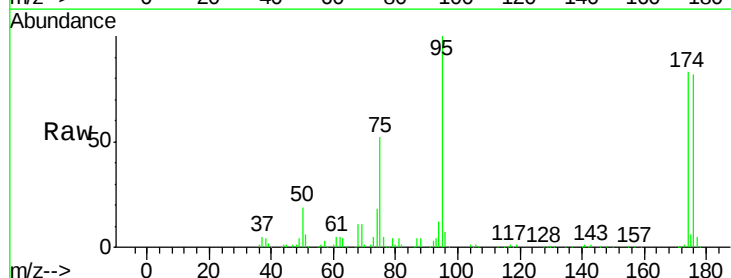
Tgt Ion: 75 Resp: 91411

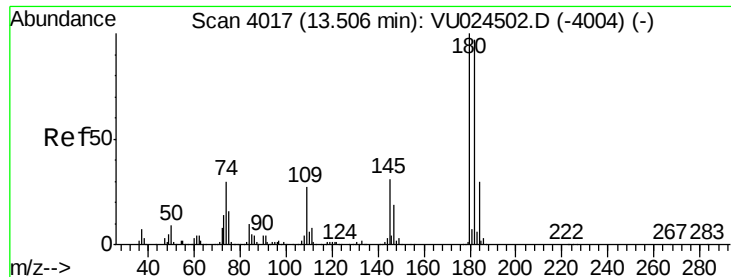
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

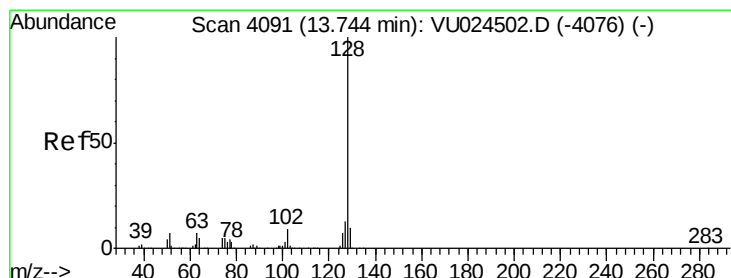
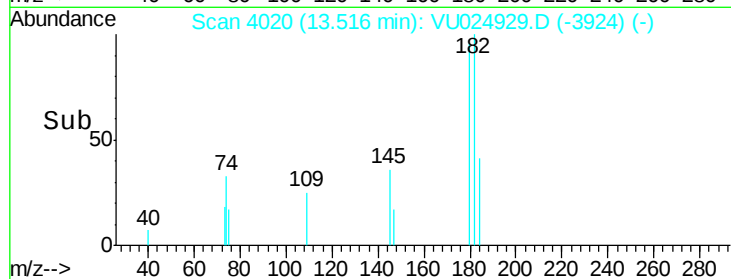
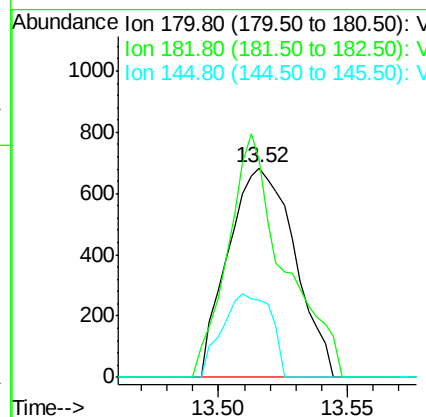
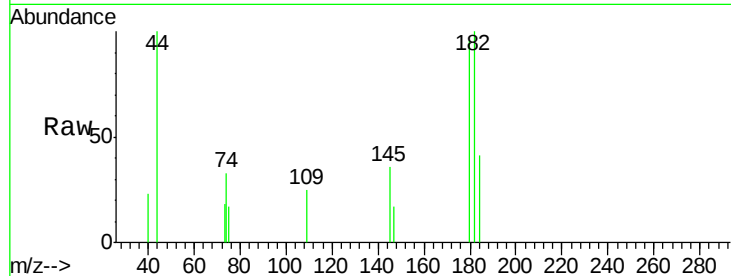




#93
 1,2,4-Trichlorobenzene
 Concen: 0.338 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU024929.D
 Acq: 26 Jun 2018 19:07

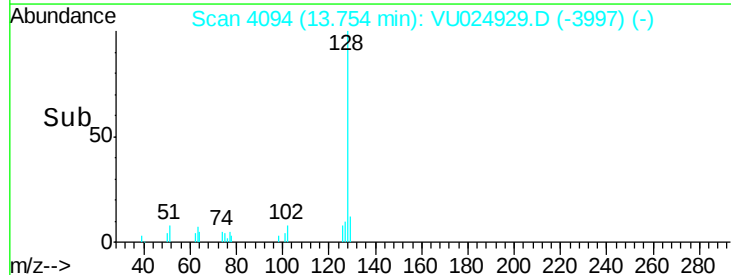
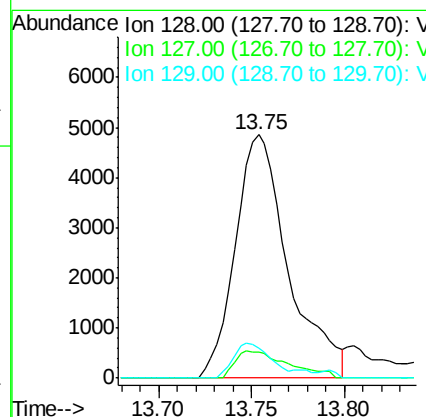
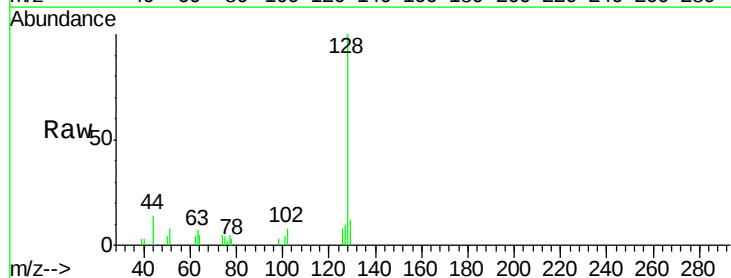
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL01

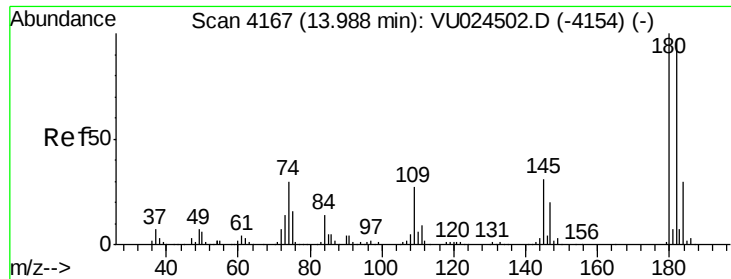
Tgt Ion:180 Resp: 1223
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.0 144.2
 145 29.2 14.7 44.1



#95
 Naphthalene
 Concen: 1.473 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU024929.D
 Acq: 26 Jun 2018 19:07

Tgt Ion:128 Resp: 9644
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.6 16.0
 129 10.3 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.578 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU024929.D
 Acq: 26 Jun 2018 19:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL01

Tgt Ion:180 Resp: 2085
 Ion Ratio Lower Upper
 180 100
 182 89.1 47.9 143.7
 145 27.4 15.4 46.1

