

Data File : VU025895.D
Acq On : 06 Aug 2018 18:51
Operator : MD/SY
Sample : J4263-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-3

Quant Time: Aug 07 00:58:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160695	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	141316	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	4.89	113	117747	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	7.57	98	414470	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	10.31	95	154881	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	

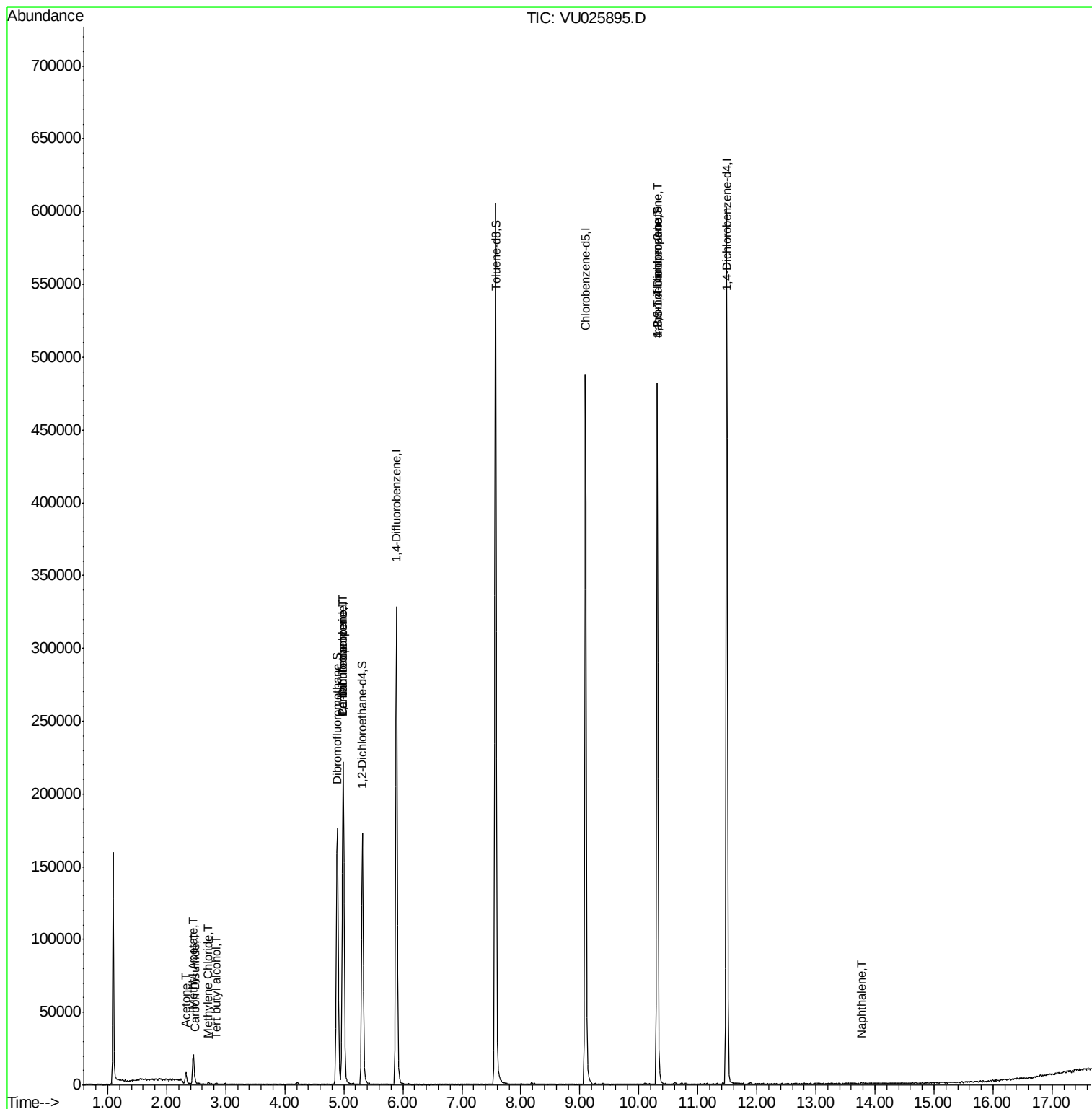
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.83	59	340	0.577 ug/l #	73	
13) Acrolein	2.20	56	69	Below Cal #	1	
16) Acetone	2.33	43	8147	6.209 ug/l	94	
17) Carbon Disulfide	2.48	76	1290	0.215 ug/l #	80	
18) Methyl Acetate	2.45	43	5321	1.685 ug/l #	52	
20) Methylene Chloride	2.71	84	531	0.228 ug/l #	86	
31) Cyclohexane	4.99	56	3221	Below Cal #	4	
36) 1,1-Dichloropropene	4.99	75	12534	3.833 ug/l #	47	
38) Carbon Tetrachloride	4.99	117	16186	4.371 ug/l #	18	
76) 1,2,3-Trichloropropane	10.31	75	80826	22.828 ug/l #	35	
81) trans-1,4-Dichloro-2-buten	10.31	75	80826	57.241 ug/l #	100	
95) Naphthalene	13.76	128	296	1.275 ug/l #	69	

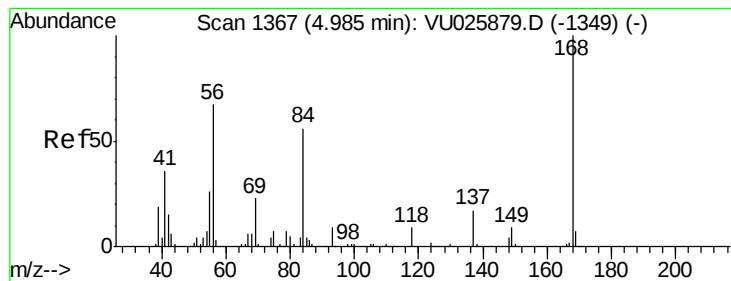
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

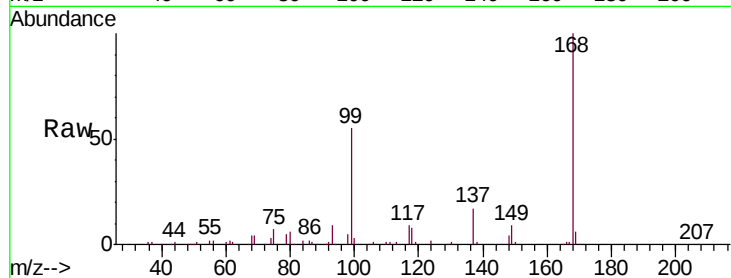
FL-TB-2018-3

Tgt Ion:168 Resp: 172723

Ion Ratio Lower Upper

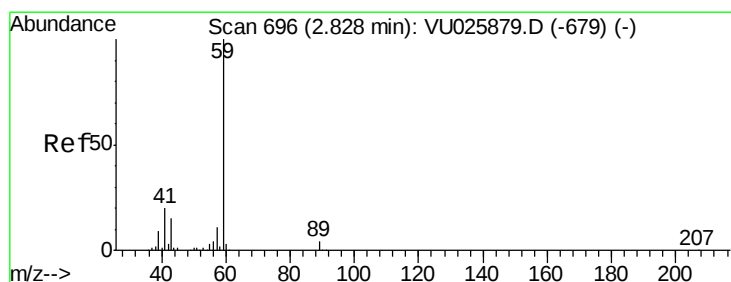
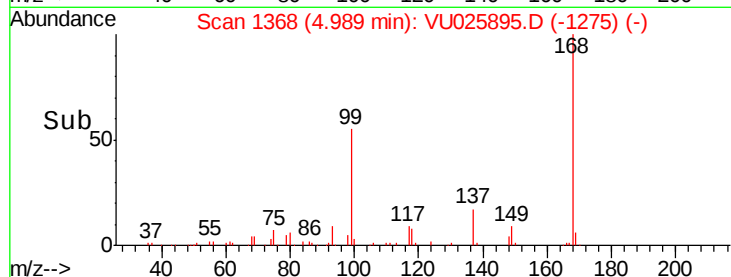
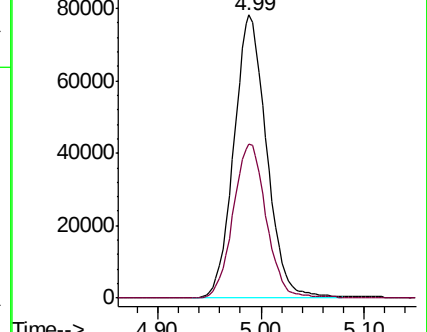
168 100

99 54.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025895.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025895.D (-1275) (-)



#11

Tert butyl alcohol

Concen: 0.577 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU025895.D

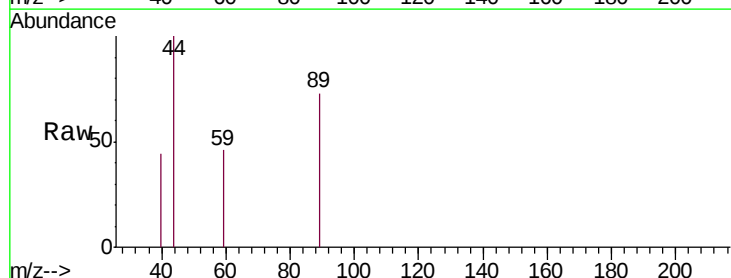
Acq: 06 Aug 2018 18:51

Tgt Ion: 59 Resp: 340

Ion Ratio Lower Upper

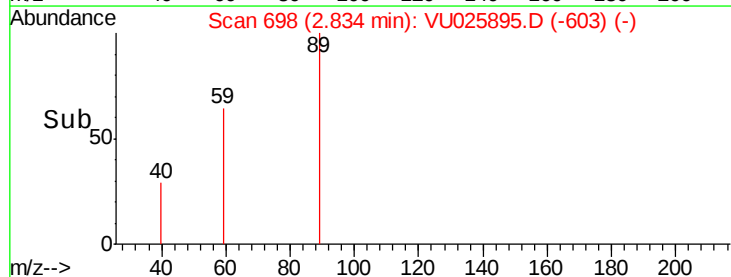
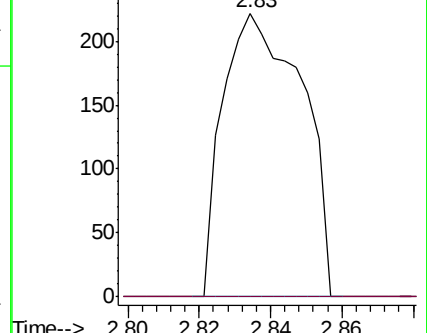
59 100

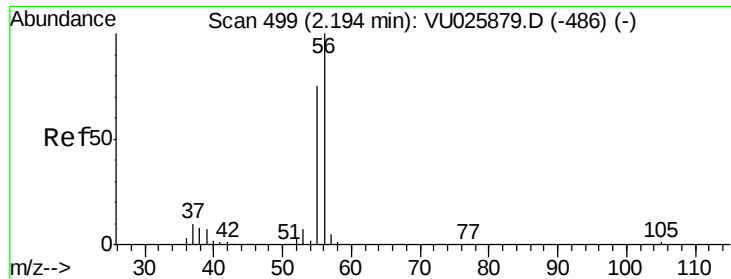
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025895.D (-603) (-)

Ion 57.00 (56.70 to 57.70): VU025895.D (-603) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

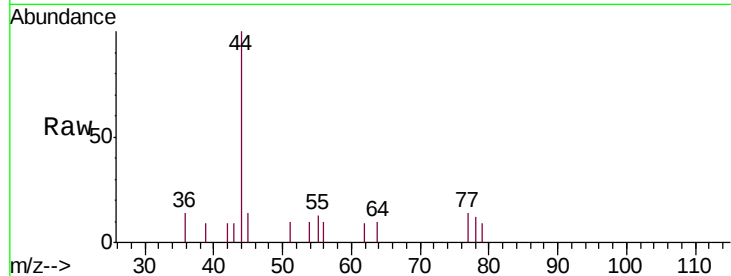
FL-TB-2018-3

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

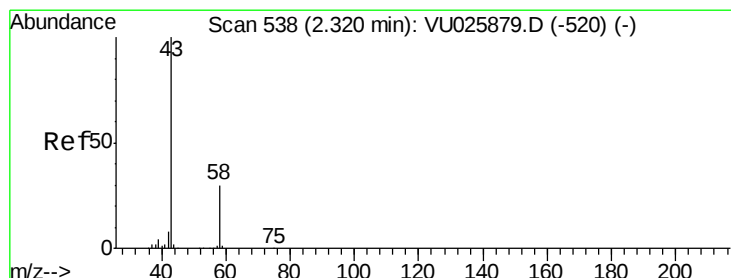
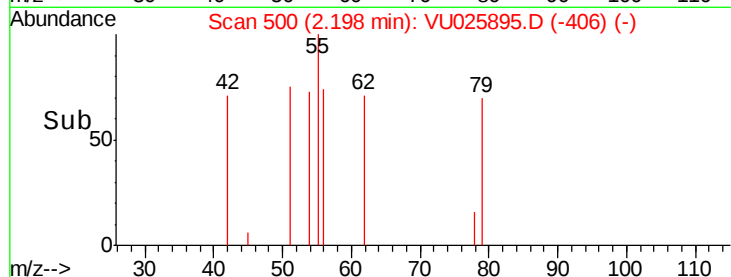
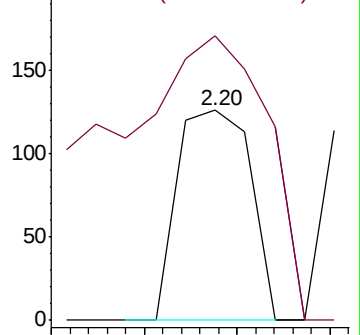
56 100

55 292.8 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 6.209 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025895.D

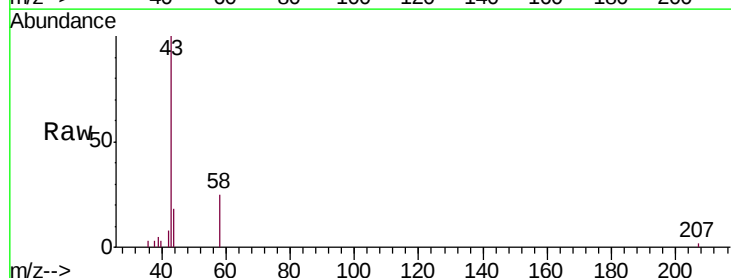
Acq: 06 Aug 2018 18:51

Tgt Ion: 43 Resp: 8147

Ion Ratio Lower Upper

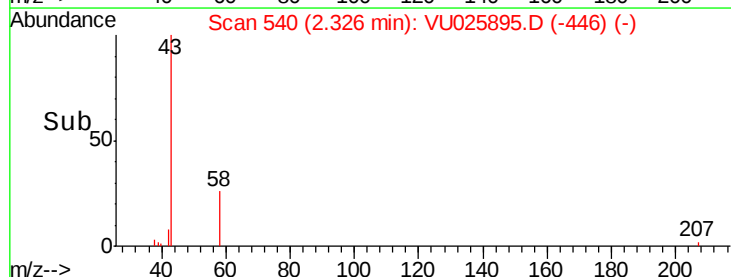
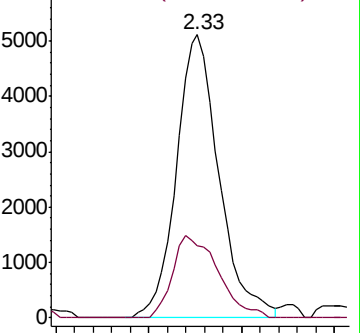
43 100

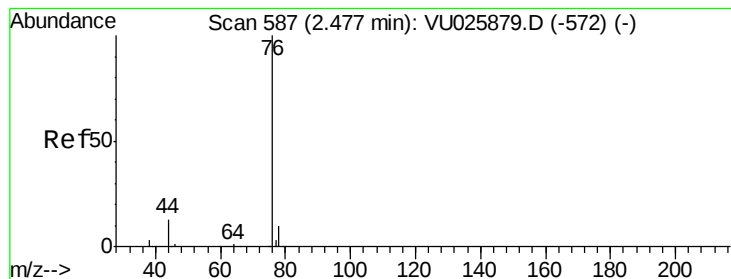
58 25.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

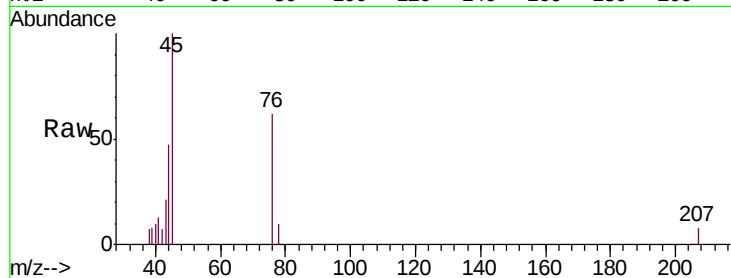
FL-TB-2018-3

Tgt Ion: 76 Resp: 1290

Ion Ratio Lower Upper

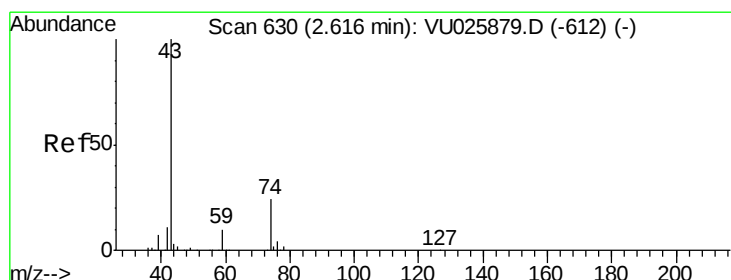
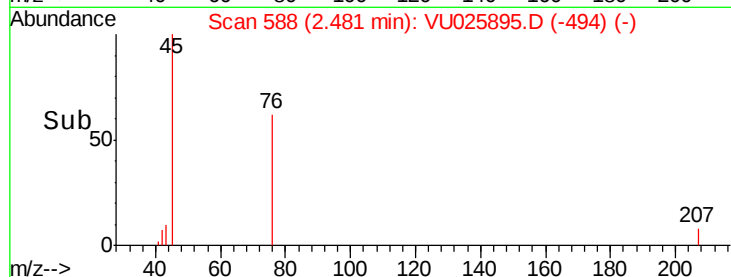
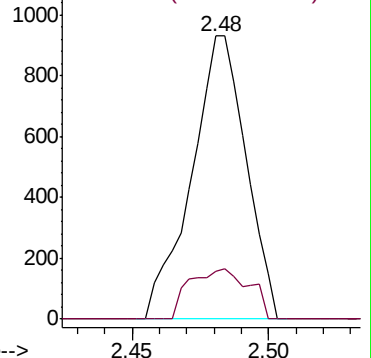
76 100

78 16.8 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 1.685 ug/l

RT: 2.45 min Scan# 579

Delta R.T. -0.16 min

Lab File: VU025895.D

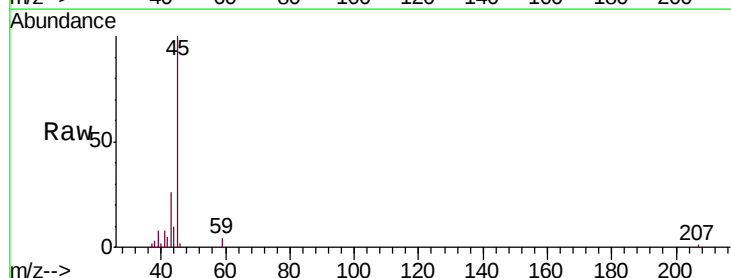
Acq: 06 Aug 2018 18:51

Tgt Ion: 43 Resp: 5321

Ion Ratio Lower Upper

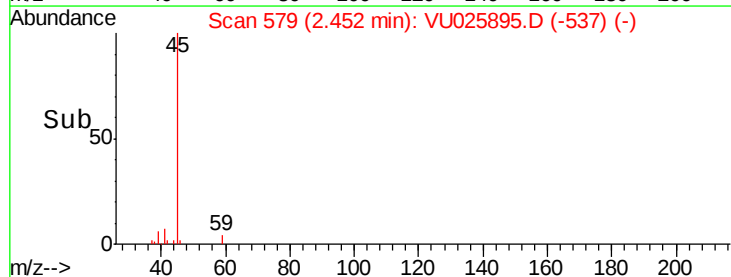
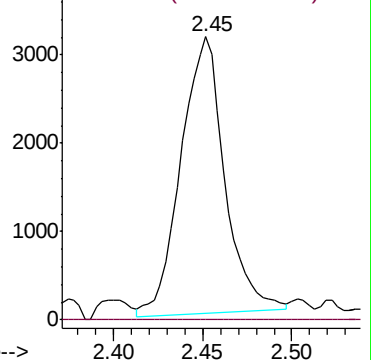
43 100

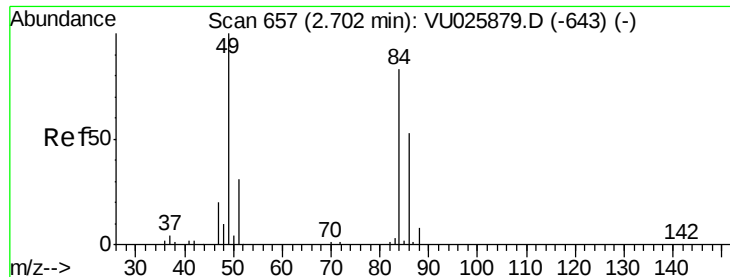
74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

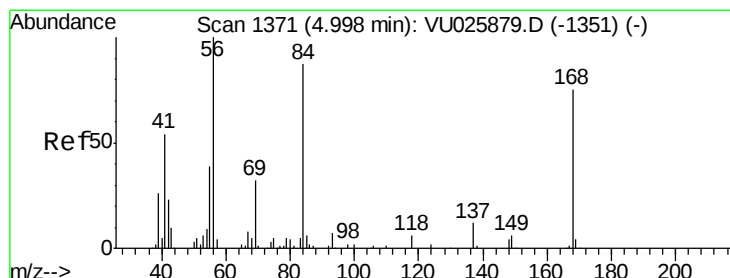
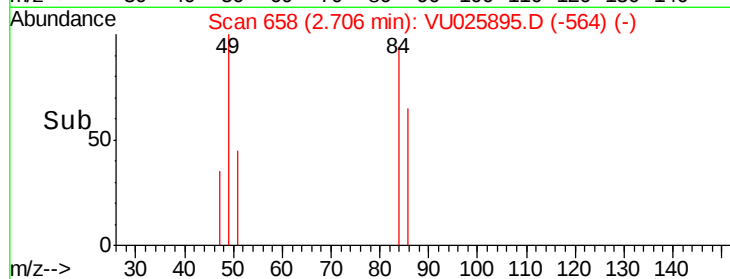
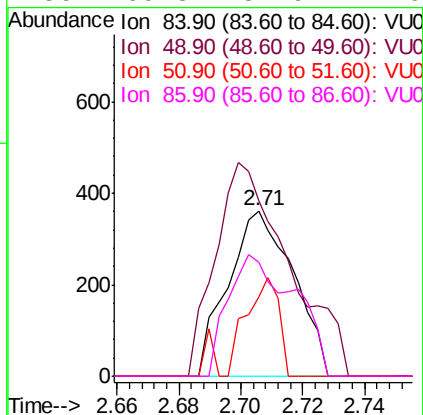
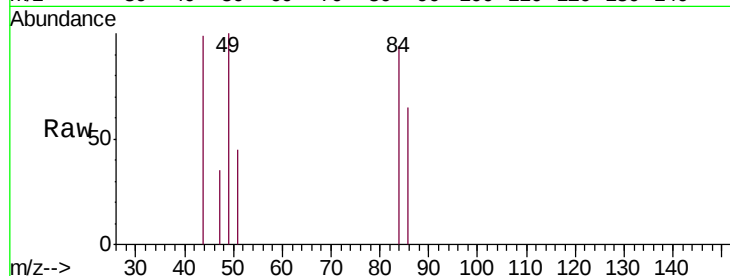




#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025895.D
Acq: 06 Aug 2018 18:51

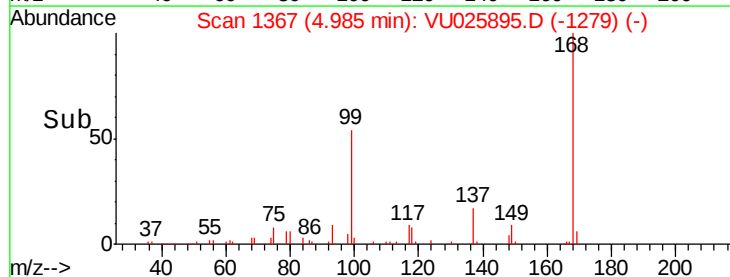
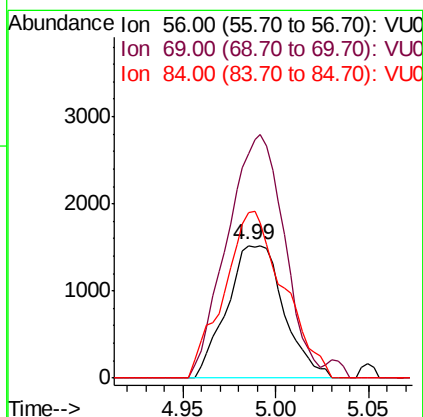
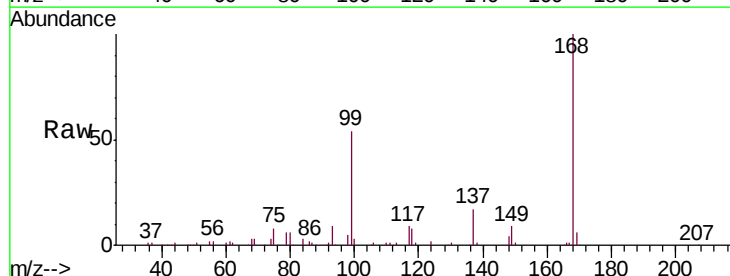
Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-3

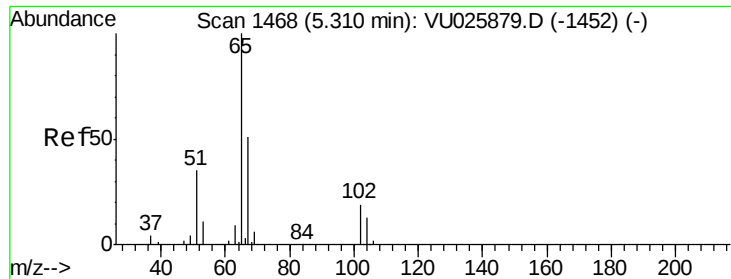
Tgt Ion: 84 Resp: 531
Ion Ratio Lower Upper
84 100
49 106.1 101.8 152.6
51 48.2 30.8 46.2#
86 69.3 51.9 77.9



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025895.D
Acq: 06 Aug 2018 18:51

Tgt Ion: 56 Resp: 3221
Ion Ratio Lower Upper
56 100
69 169.9 26.8 40.2#
84 125.3 69.7 104.5#

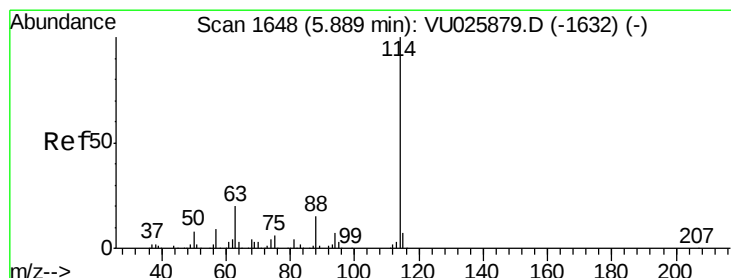
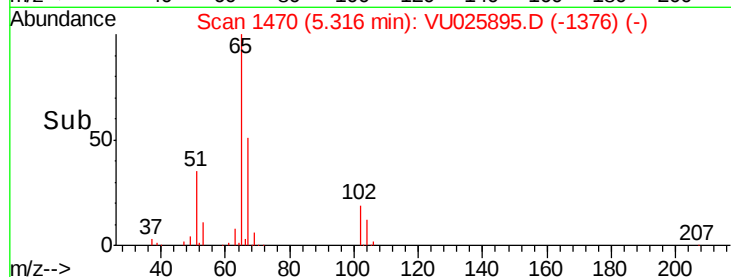
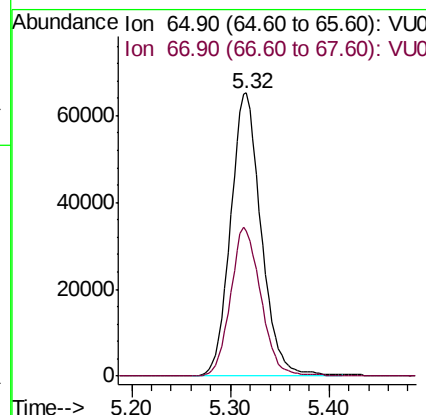
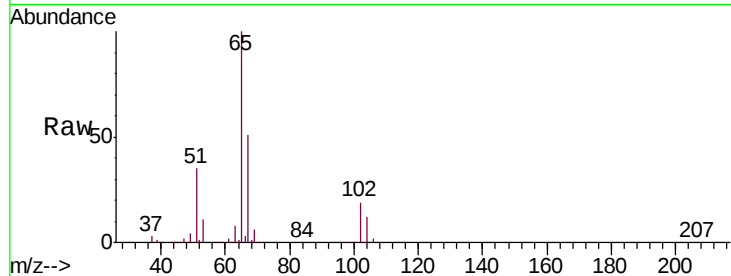




#33
 1,2-Dichloroethane-d4
 Concen: 52.510 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025895.D
 Acq: 06 Aug 2018 18:51

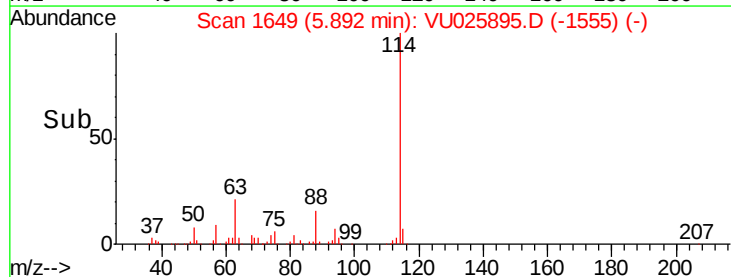
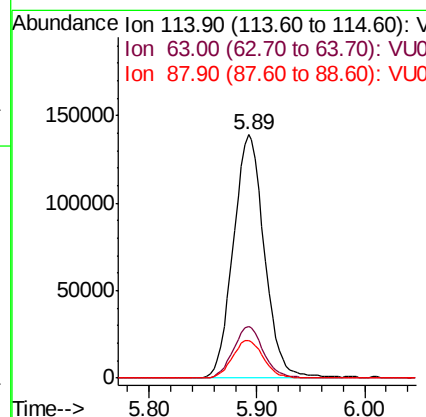
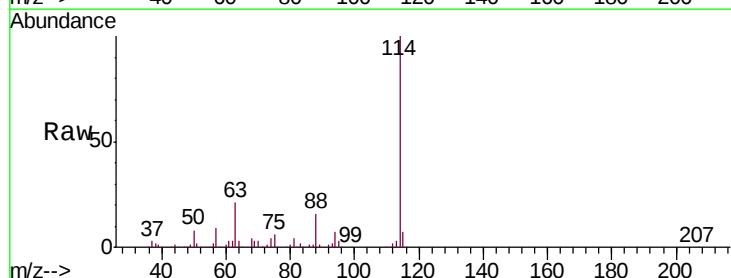
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-TB-2018-3

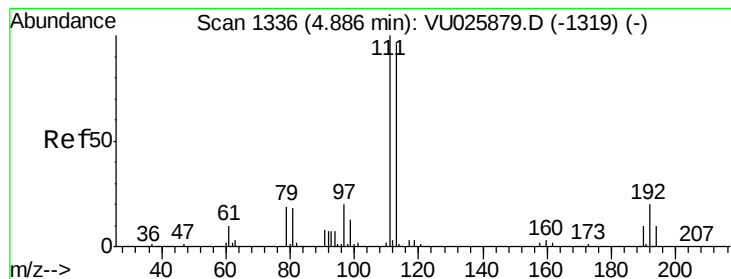
Tgt Ion: 65 Resp: 141316
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025895.D
 Acq: 06 Aug 2018 18:51

Tgt Ion: 114 Resp: 279783
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.6
 88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.388 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-3

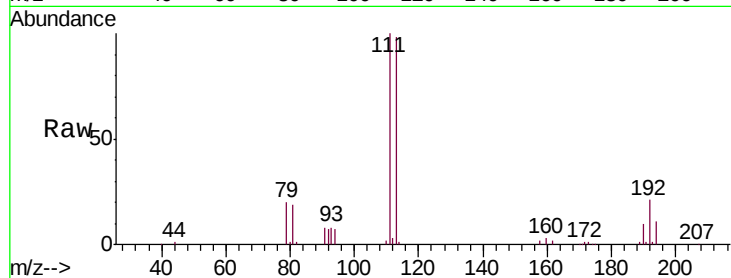
Tgt Ion:113 Resp: 117747

Ion Ratio Lower Upper

113 100

111 102.7 81.7 122.5

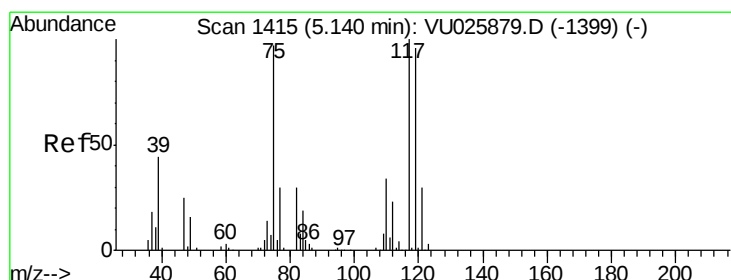
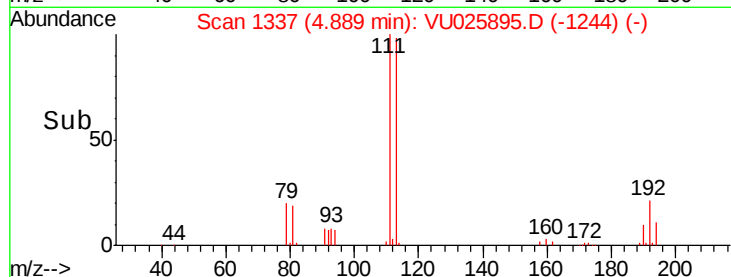
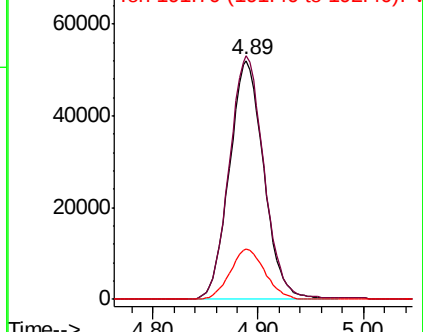
192 21.3 17.1 25.7



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: 3.833 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

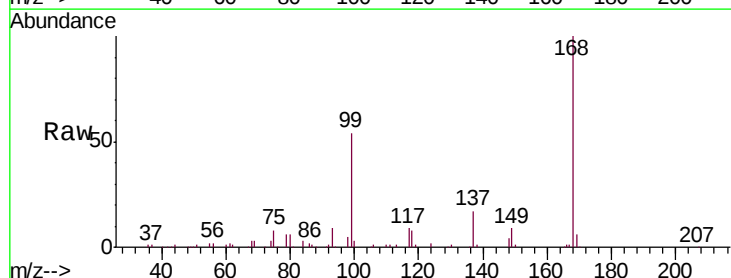
Tgt Ion: 75 Resp: 12534

Ion Ratio Lower Upper

75 100

110 5.5 17.6 52.9#

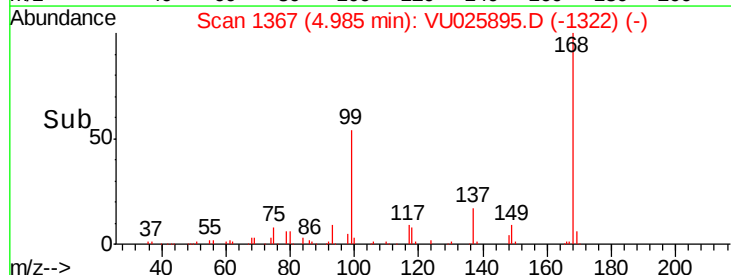
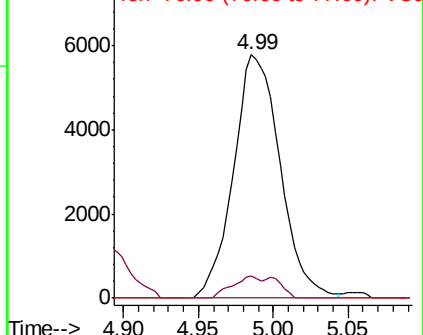
77 0.0 24.4 36.6#

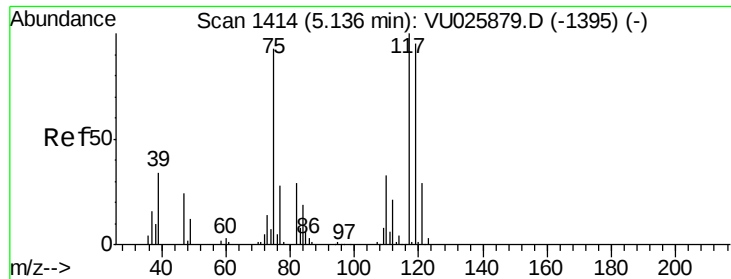


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

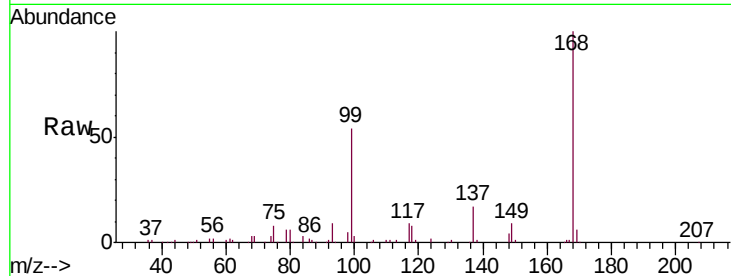




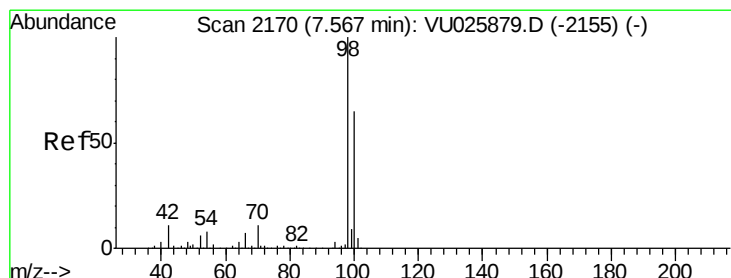
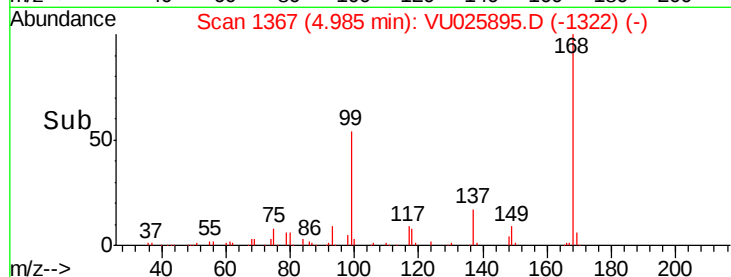
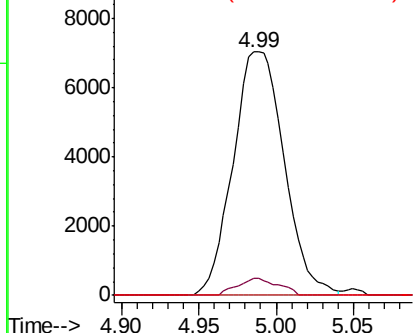
#38
Carbon Tetrachloride
Concen: 4.371 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU025895.D
Acq: 06 Aug 2018 18:51

Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-3

Tgt Ion: 117 Resp: 16186
Ion Ratio Lower Upper
117 100
119 6.9 75.7 113.5#
121 0.0 24.6 36.8#

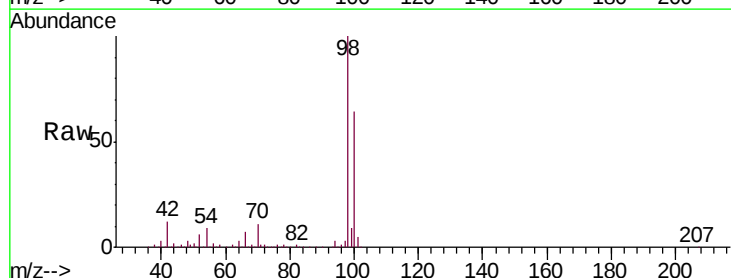


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

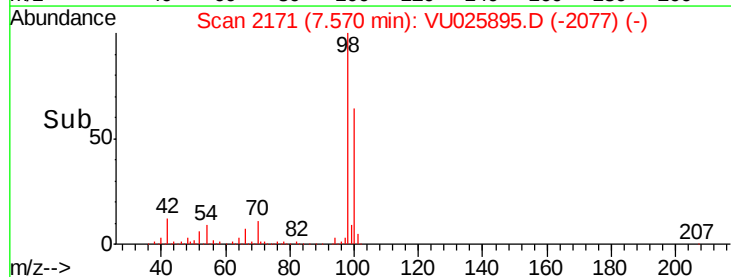
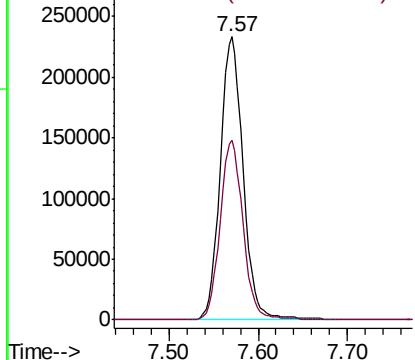


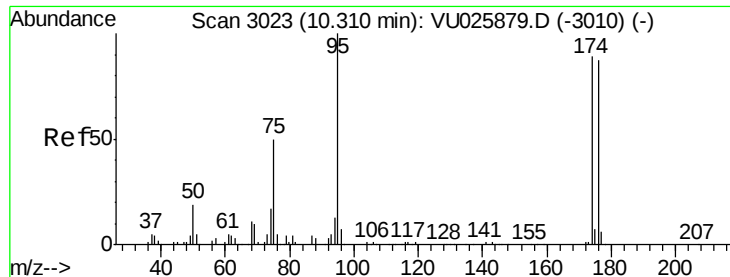
#50
Toluene-d8
Concen: 48.673 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025895.D
Acq: 06 Aug 2018 18:51

Tgt Ion: 98 Resp: 414470
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 46.860 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-3

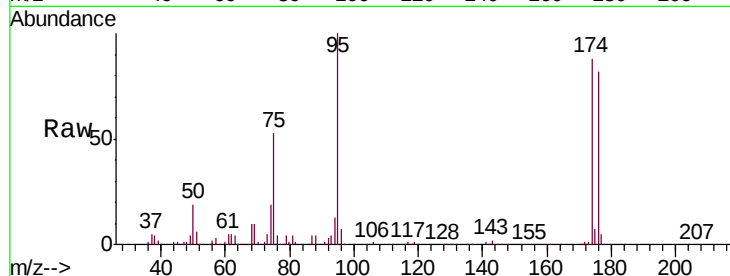
Tgt Ion: 95 Resp: 154881

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

176 84.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

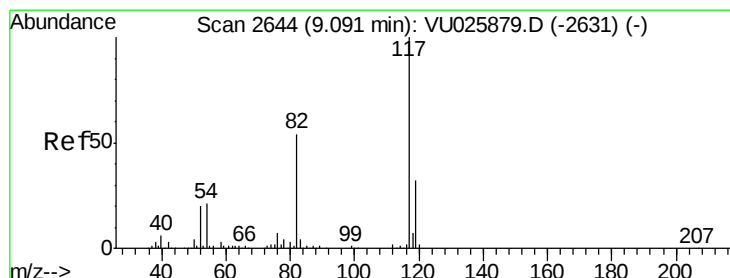
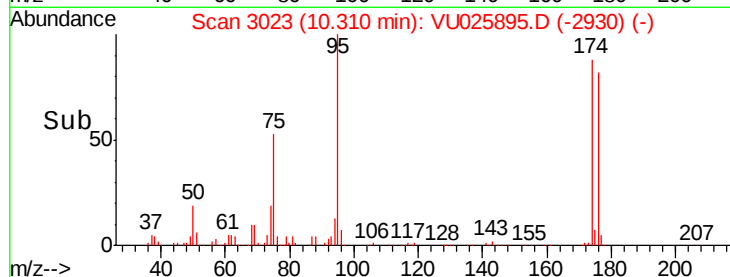
20000

0

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

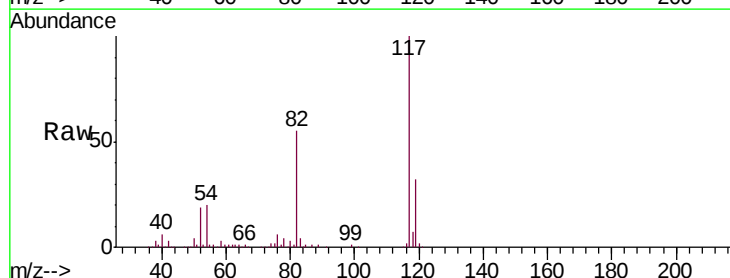
Tgt Ion: 117 Resp: 278142

Ion Ratio Lower Upper

117 100

82 55.0 46.0 69.0

119 32.2 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

200000

150000

100000

50000

0

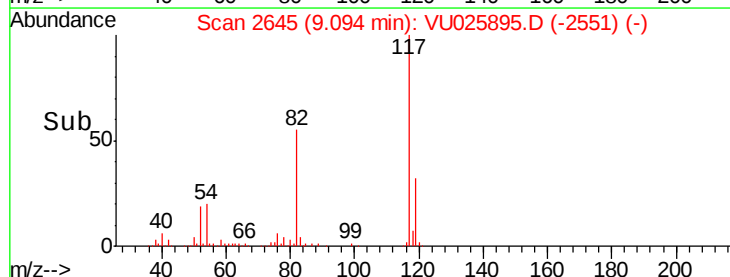
9.00

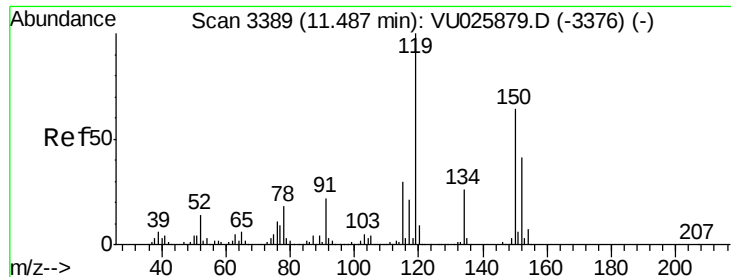
9.10

9.20

9.30

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-3

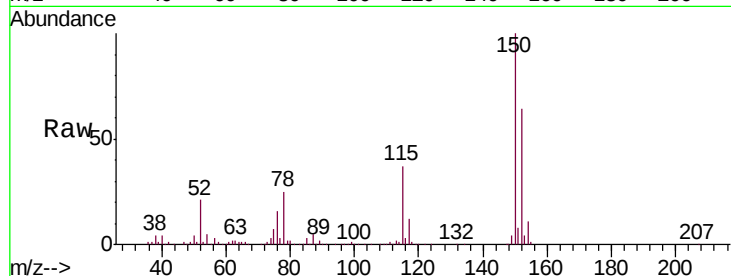
Tgt Ion:152 Resp: 160695

Ion Ratio Lower Upper

152 100

115 57.5 40.1 120.3

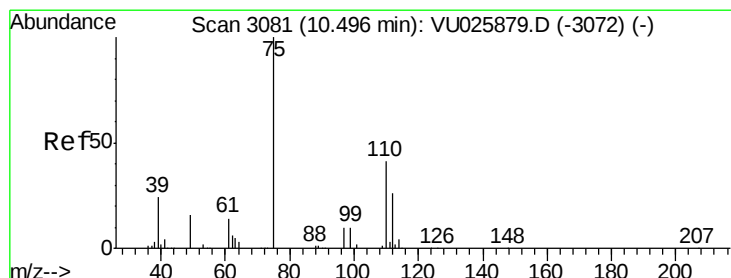
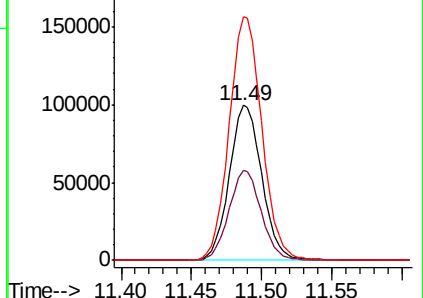
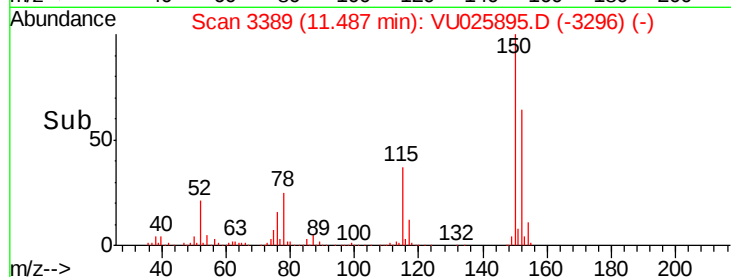
150 158.5 0.0 351.4



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: 22.828 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025895.D

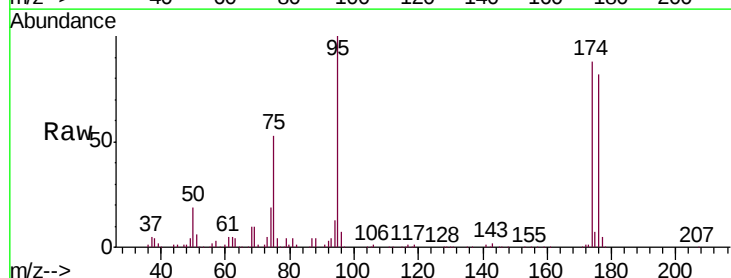
Acq: 06 Aug 2018 18:51

Tgt Ion: 75 Resp: 80826

Ion Ratio Lower Upper

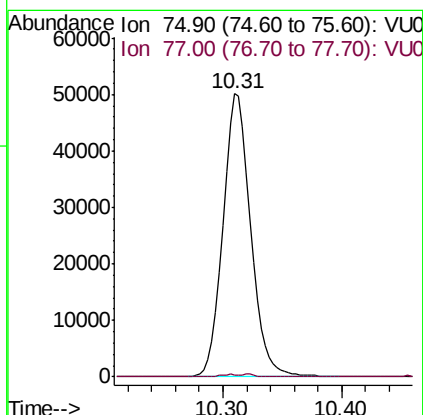
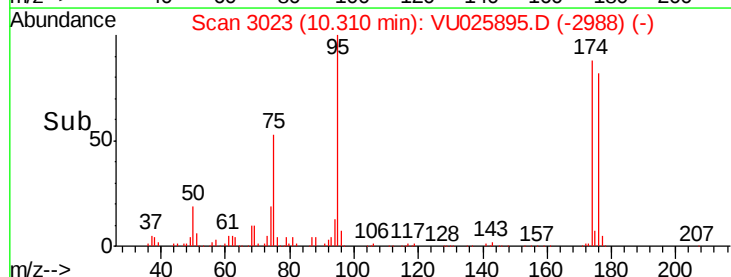
75 100

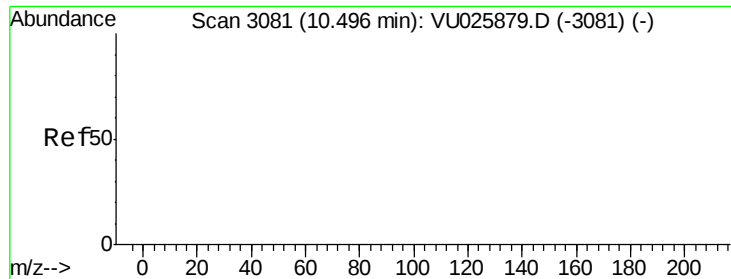
77 0.6 20.4 61.3#



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: 57.241 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-3

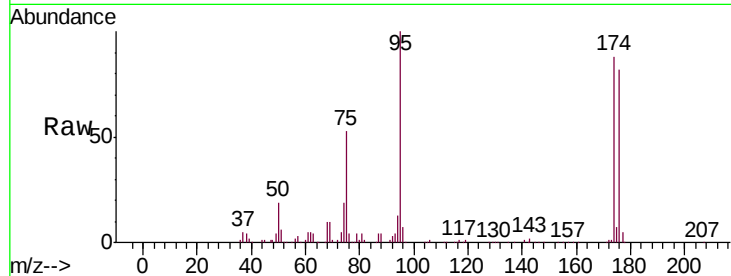
Tgt Ion: 75 Resp: 80826

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

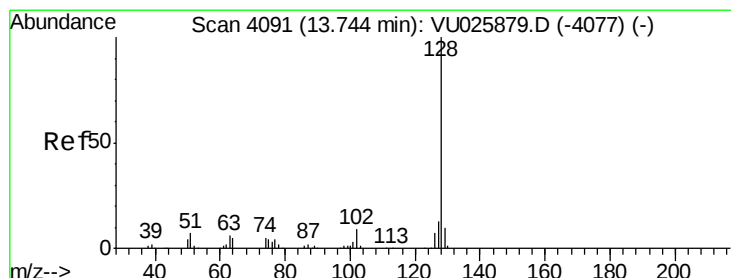
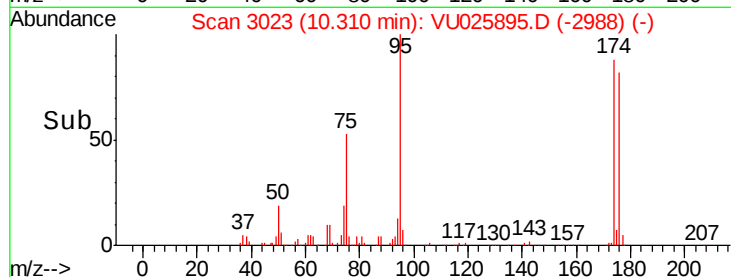
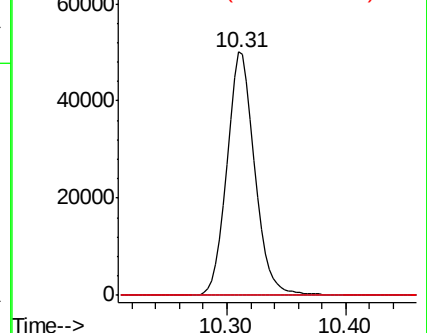
89 0.0 0.0 0.0



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



#95

Naphthalene

Concen: 1.275 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU025895.D

Acq: 06 Aug 2018 18:51

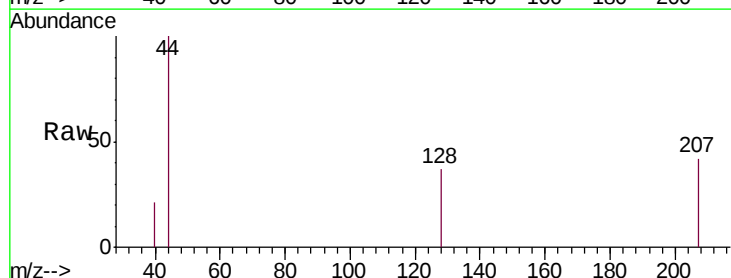
Tgt Ion: 128 Resp: 296

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

