

Data File : VU025883.D
Acq On : 06 Aug 2018 14:10
Operator : MD/SY
Sample : J4257-04RE
Misc : 9.93g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FK-BPM-03-001-BRE

Quant Time: Aug 07 00:50:50 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	4.98	168	178921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	288588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	145381	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	4.88	113	121916	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	7.57	98	426800	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	10.31	95	173422	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

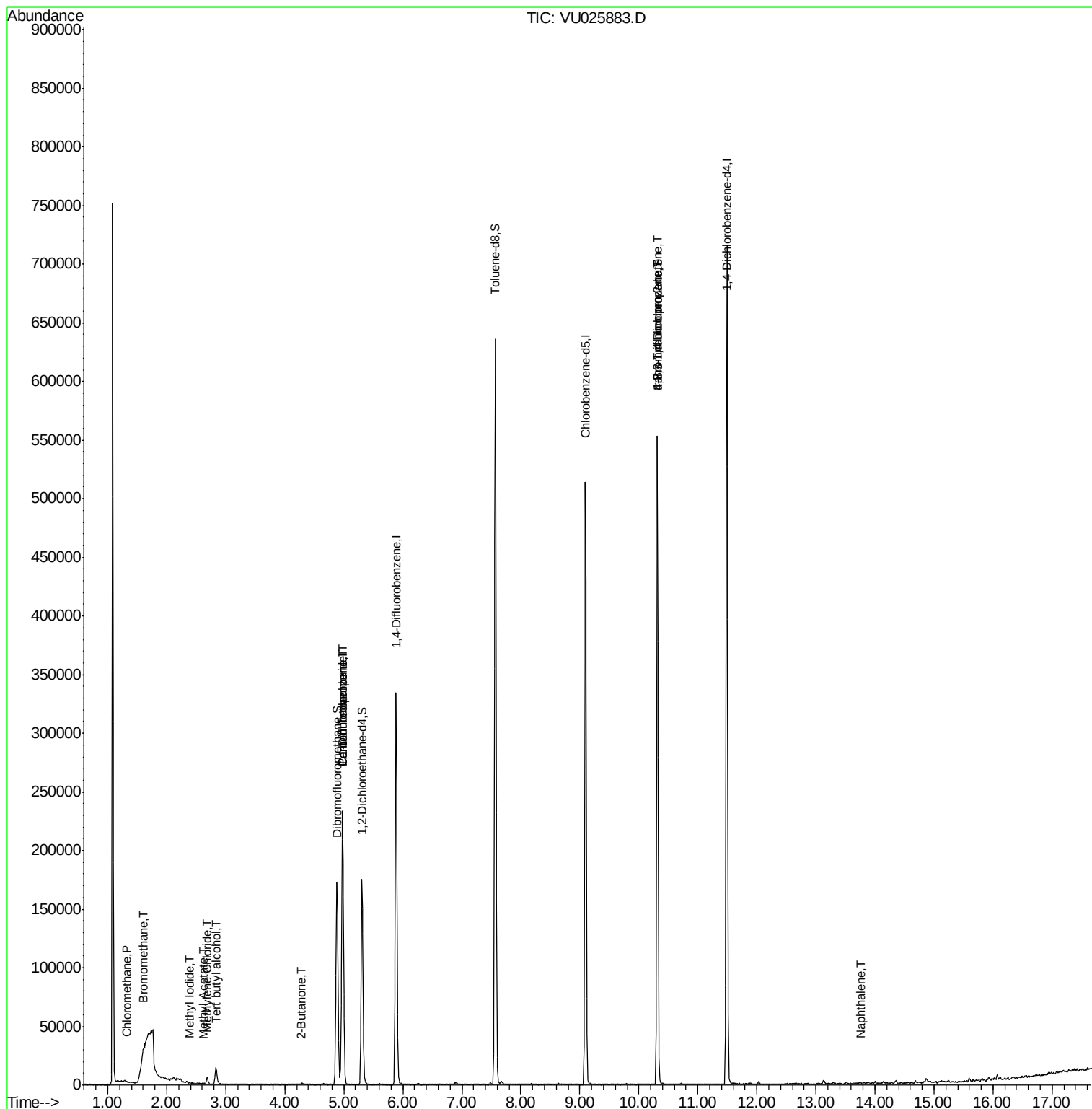
						Qvalue
3) Chloromethane	1.32	50	722	0.279	ug/l	91
5) Bromomethane	1.60	94	874	0.736	ug/l	98
10) Methyl Iodide	2.38	142	172	8.670	ug/l #	39
11) Tert butyl alcohol	2.83	59	9471	15.517	ug/l #	73
13) Acrolein	2.20	56	21	Below Cal	#	1
18) Methyl Acetate	2.62	43	781	0.239	ug/l #	81
20) Methylene Chloride	2.68	84	2507	1.041	ug/l	92
25) 2-Butanone	4.29	43	861	0.465	ug/l #	81
31) Cyclohexane	4.98	56	3684	Below Cal	#	21
36) 1,1-Dichloropropene	4.98	75	13236	3.925	ug/l #	50
38) Carbon Tetrachloride	4.98	117	16362	4.283	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	92107	22.510	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	92107	56.442	ug/l #	100
95) Naphthalene	13.75	128	1491	1.356	ug/l #	69

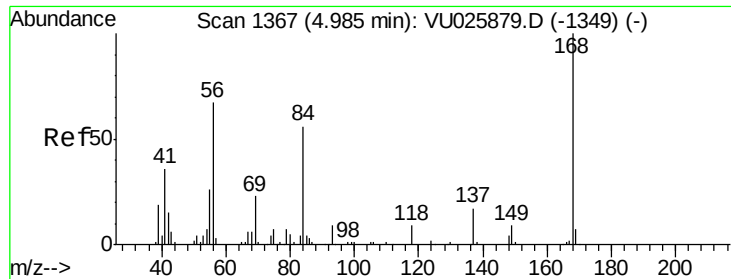
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

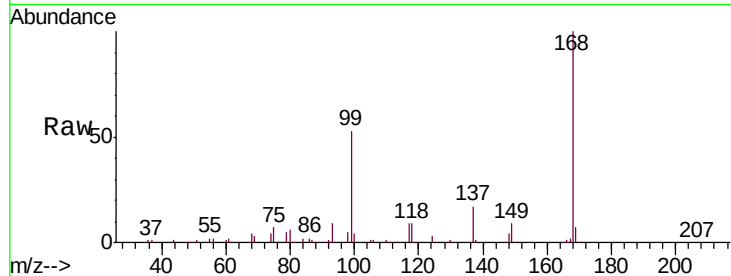
FK-BPM-03-001-BRE

Tgt Ion:168 Resp: 178921

Ion Ratio Lower Upper

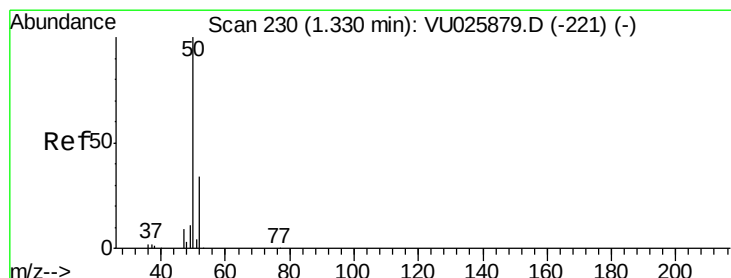
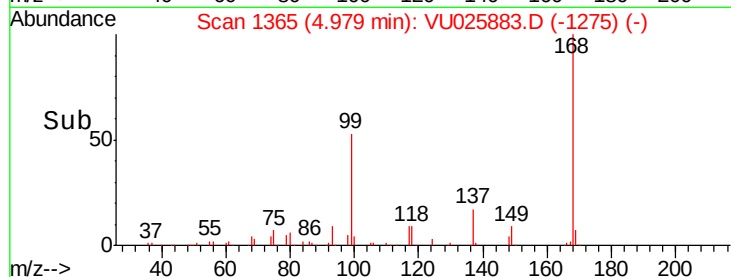
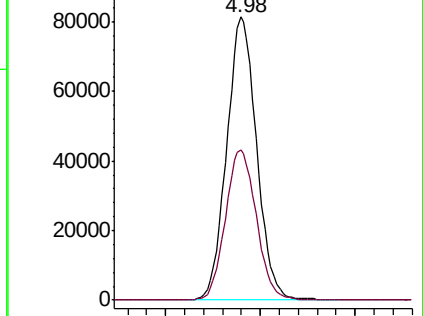
168 100

99 53.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D

Ion 98.90 (98.60 to 99.60): VU025879.D



#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025883.D

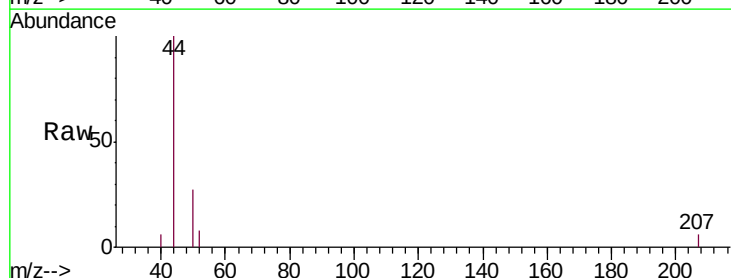
Acq: 06 Aug 2018 14:10

Tgt Ion: 50 Resp: 722

Ion Ratio Lower Upper

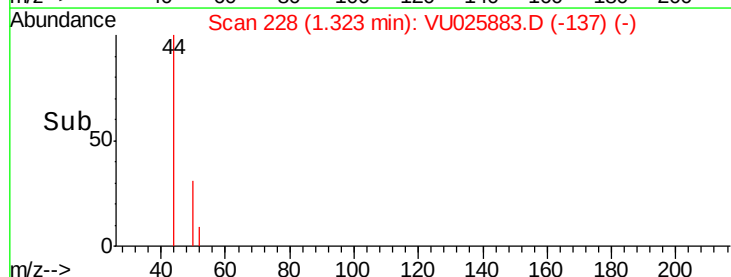
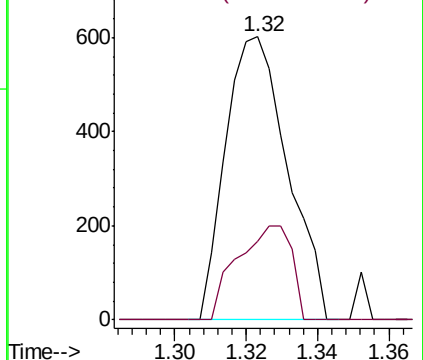
50 100

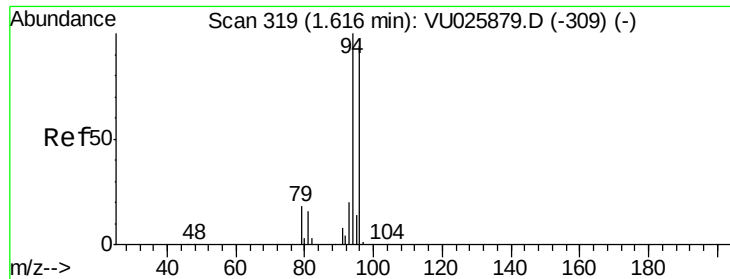
52 27.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025879.D

Ion 51.90 (51.60 to 52.60): VU025879.D





#5

Bromomethane

Concen: 0.736 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

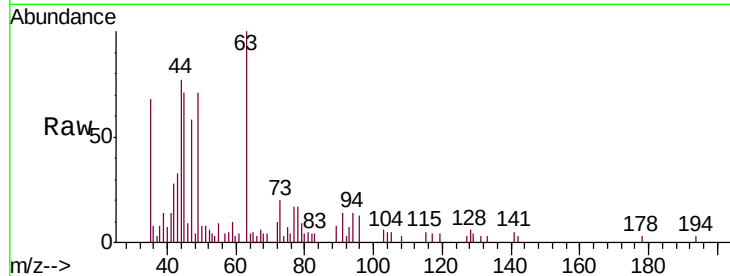
FK-BPM-03-001-BRE

Tgt Ion: 94 Resp: 874

Ion Ratio Lower Upper

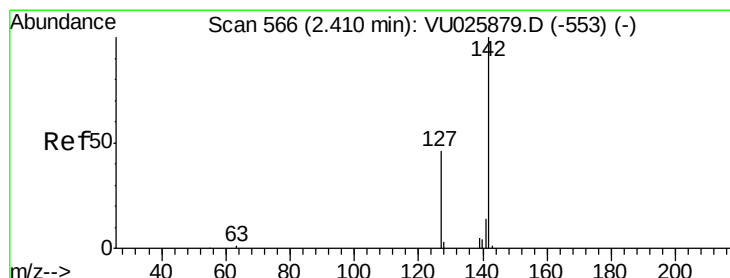
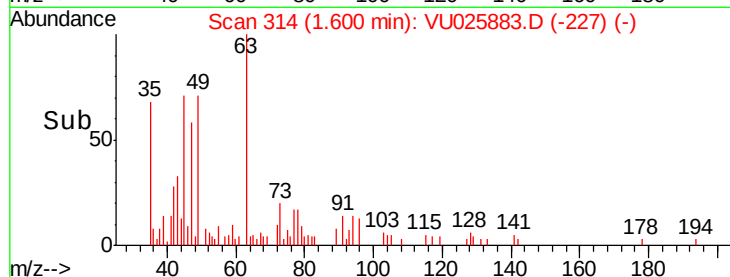
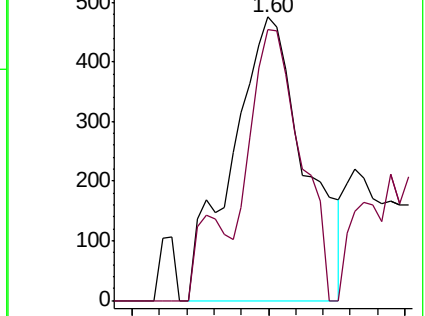
94 100

96 95.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#10

Methyl Iodide

Concen: 8.670 ug/l

RT: 2.38 min Scan# 558

Delta R.T. -0.02 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

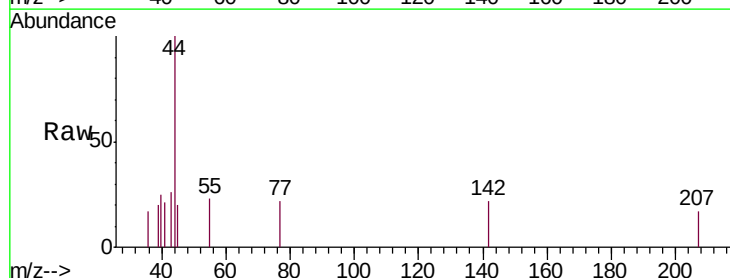
Tgt Ion: 142 Resp: 172

Ion Ratio Lower Upper

142 100

127 0.0 36.5 54.7#

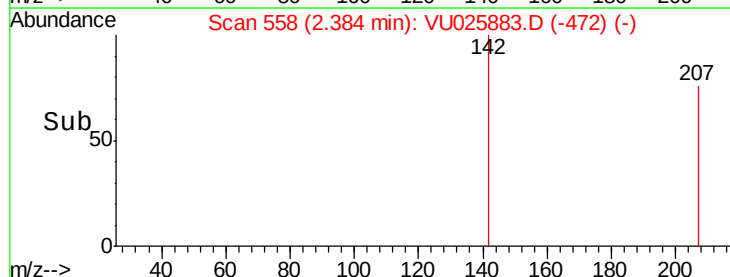
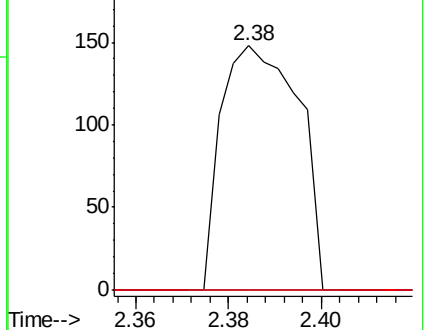
141 0.0 11.4 17.2#

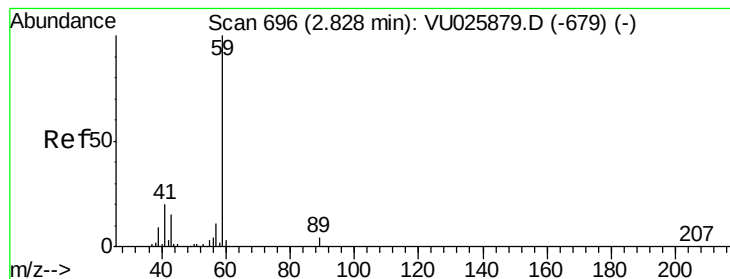


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



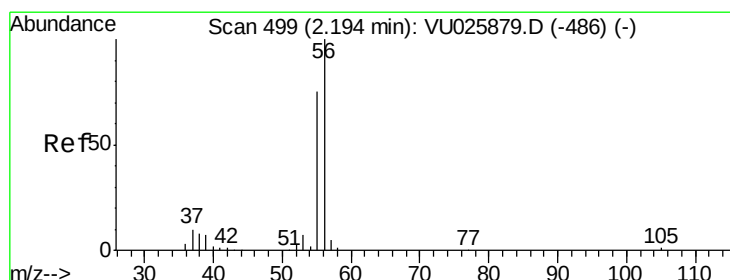
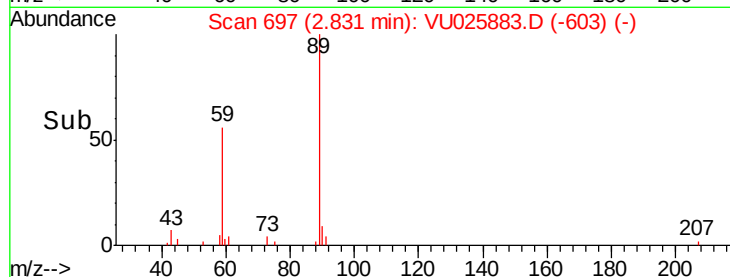
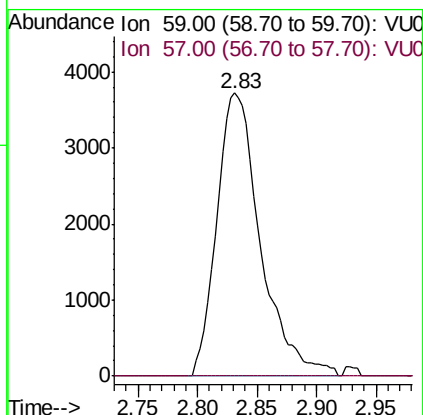
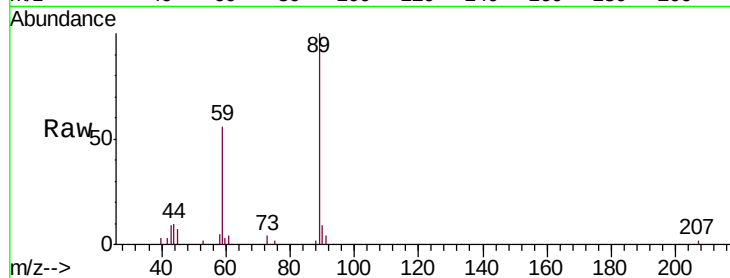


#11

Tert butyl alcohol
 Concen: 15.517 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025883.D
 Acq: 06 Aug 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 FK-BPM-03-001-BRE

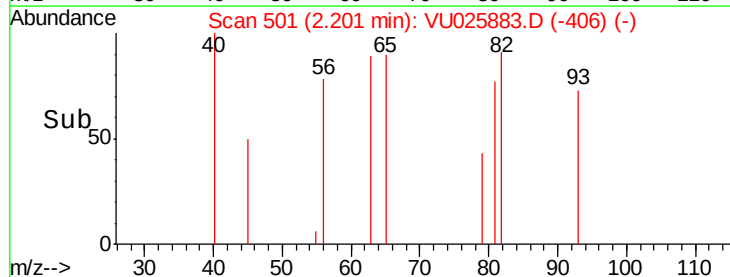
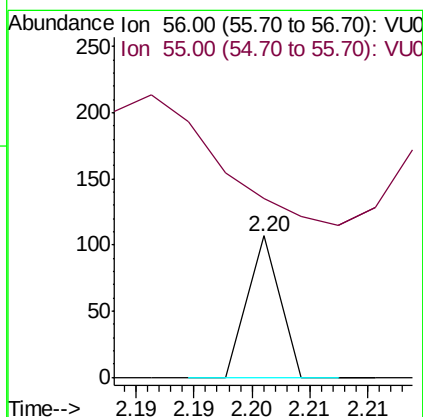
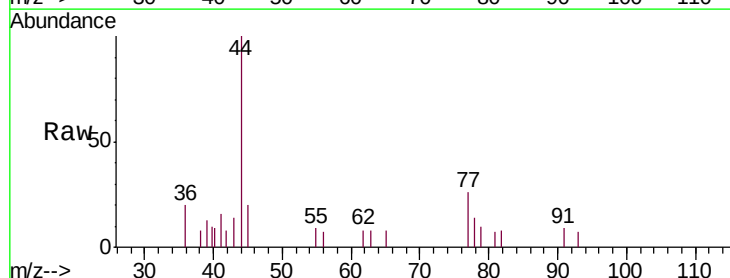
Tgt Ion: 59 Resp: 9471
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

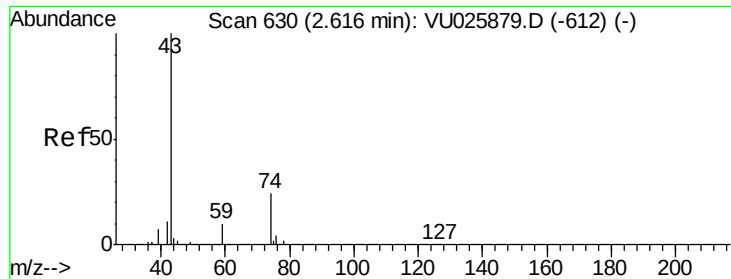


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU025883.D
 Acq: 06 Aug 2018 14:10

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 1219.0 57.2 85.8#

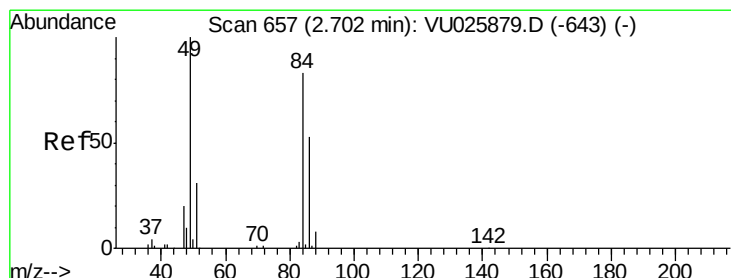
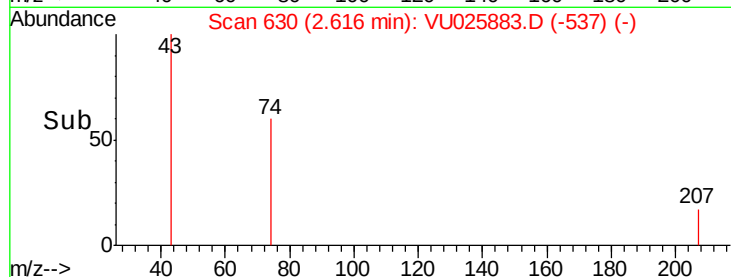
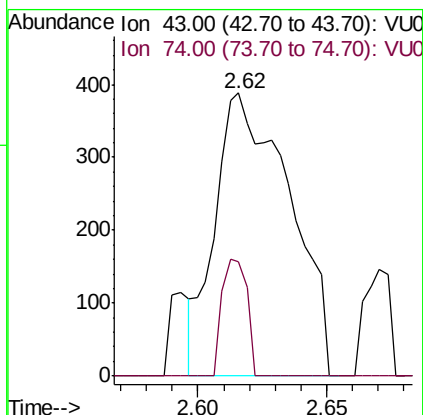
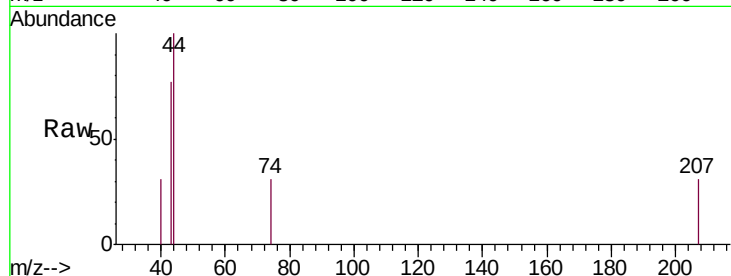




#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025883.D
Acq: 06 Aug 2018 14:10

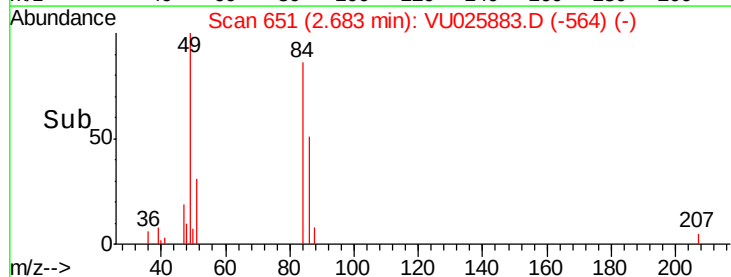
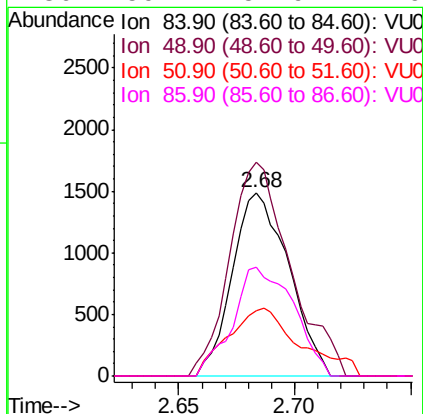
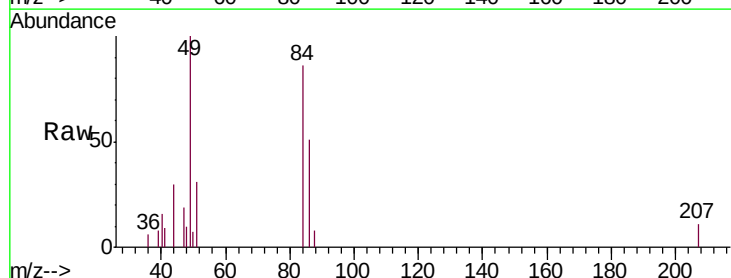
Instrument :
MSVOA_U
ClientSampleId :
FK-BPM-03-001-BRE

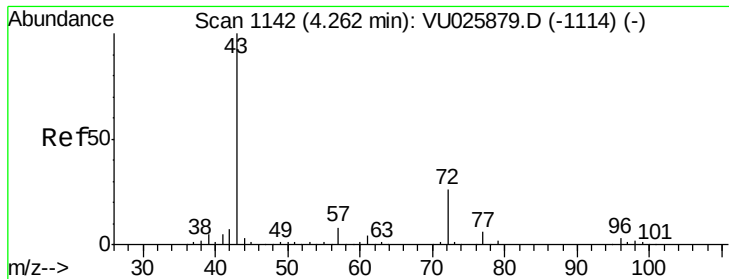
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
74 13.7 18.5 27.7#



#20
Methylene Chloride
Concen: 1.041 ug/l
RT: 2.68 min Scan# 651
Delta R.T. -0.02 min
Lab File: VU025883.D
Acq: 06 Aug 2018 14:10

Tgt Ion: 84 Resp: 2507
Ion Ratio Lower Upper
84 100
49 116.7 101.8 152.6
51 36.0 30.8 46.2
86 59.4 51.9 77.9





#25

2-Butanone

Concen: 0.465 ug/l

RT: 4.29 min Scan# 1150

Delta R.T. 0.02 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

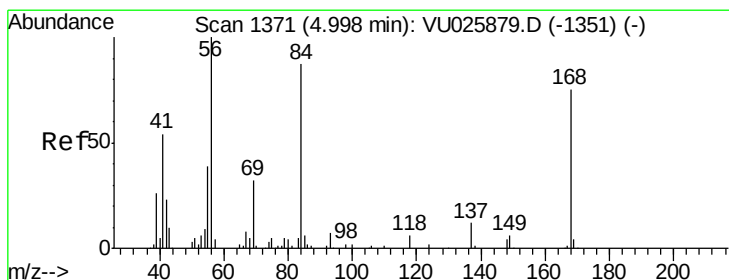
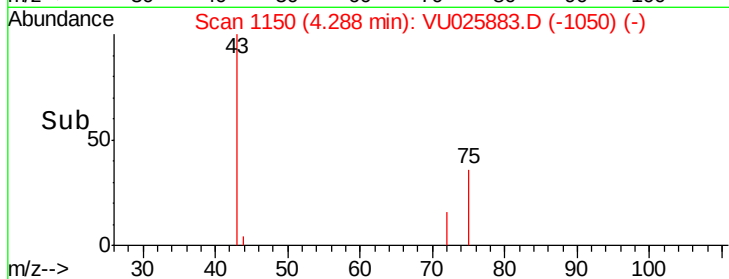
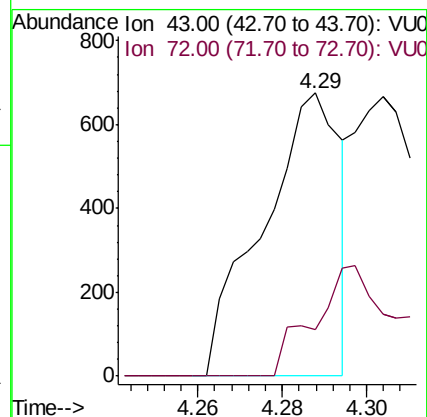
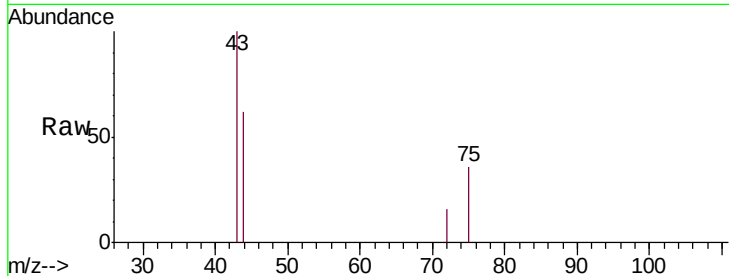
FK-BPM-03-001-BRE

Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

72 16.3 21.0 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

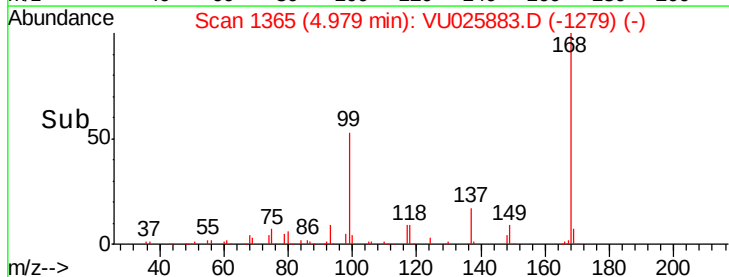
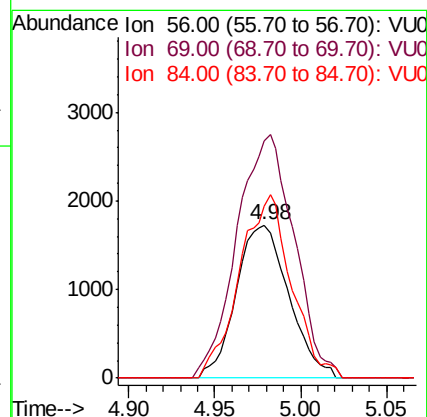
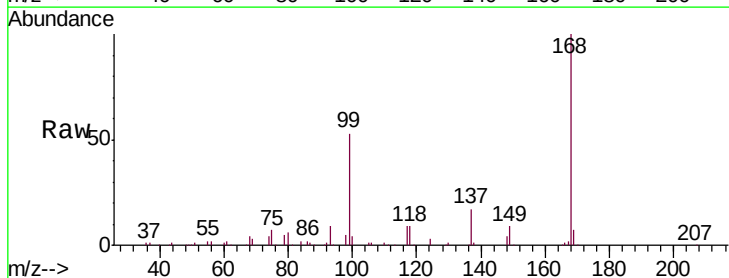
Tgt Ion: 56 Resp: 3684

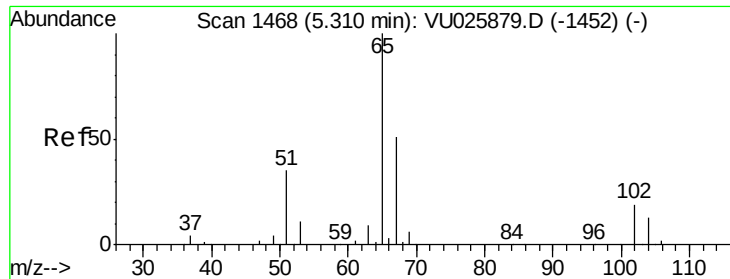
Ion Ratio Lower Upper

56 100

69 154.6 26.8 40.2#

84 112.7 69.7 104.5#

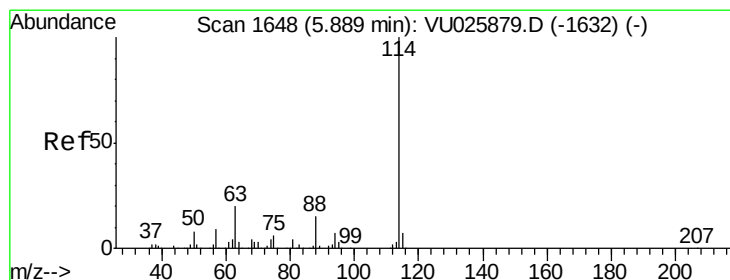
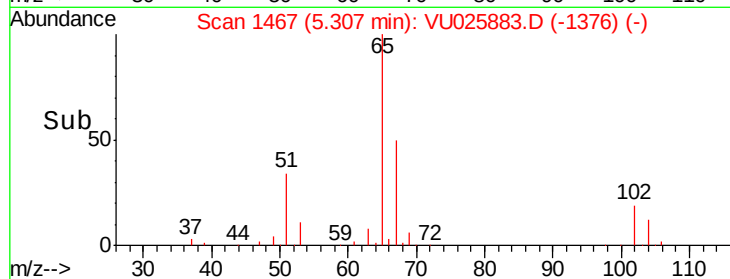
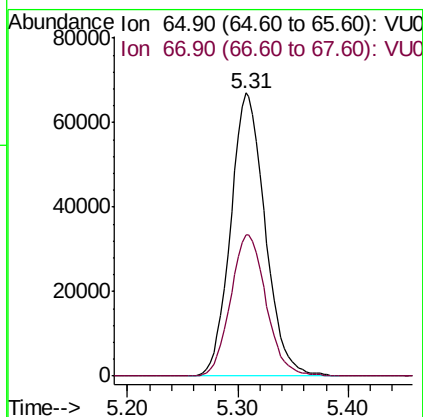
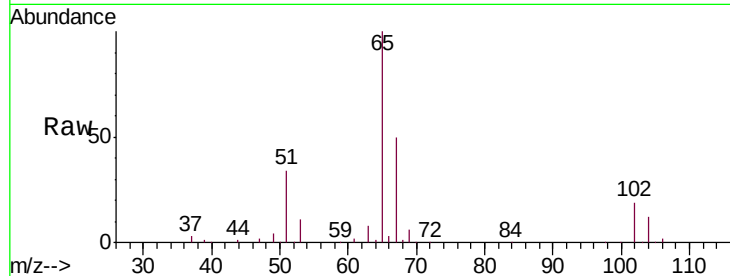




#33
 1,2-Dichloroethane-d4
 Concen: 52.149 ug/l
 RT: 5.31 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VU025883.D
 Acq: 06 Aug 2018 14:10

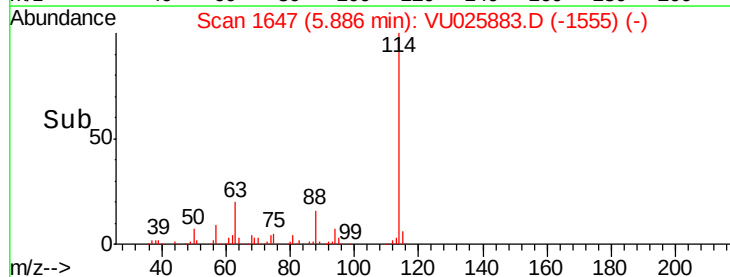
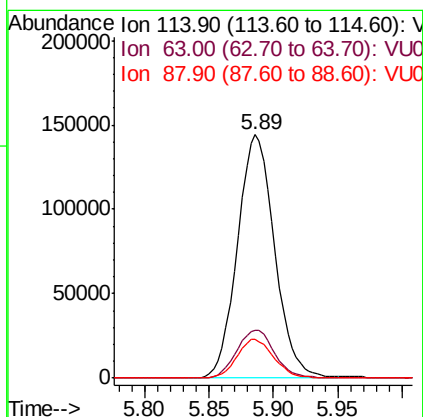
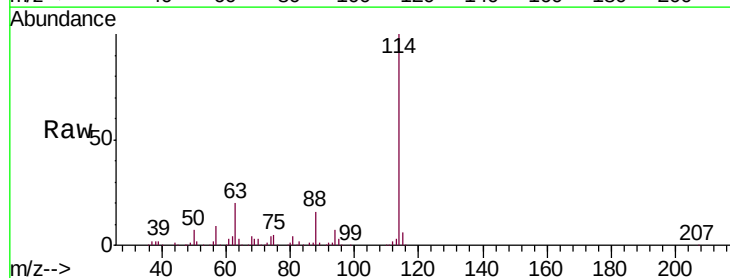
Instrument :
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 FK-BPM-03-001-BRE

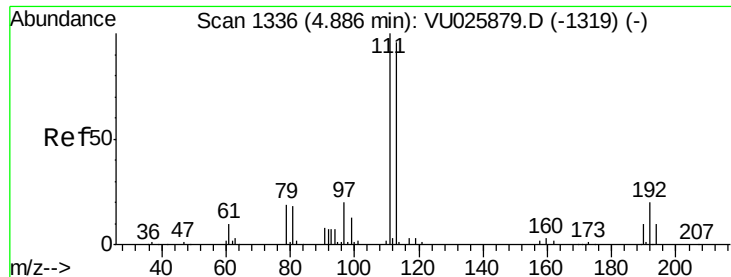
Tgt Ion: 65 Resp: 145381
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.00 min
 Lab File: VU025883.D
 Acq: 06 Aug 2018 14:10

Tgt Ion: 114 Resp: 288588
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.6
 88 16.0 0.0 32.4

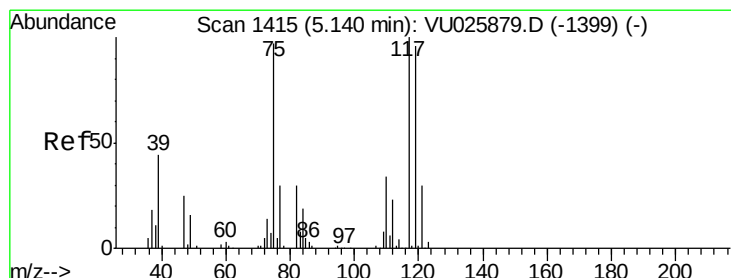
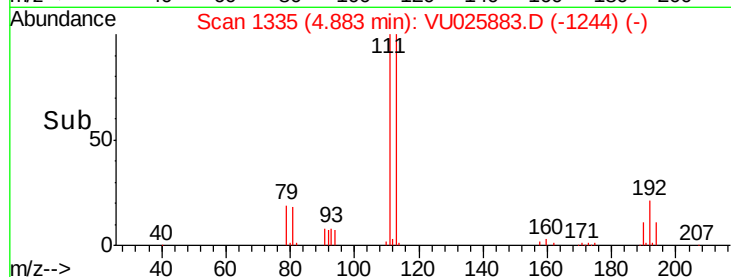
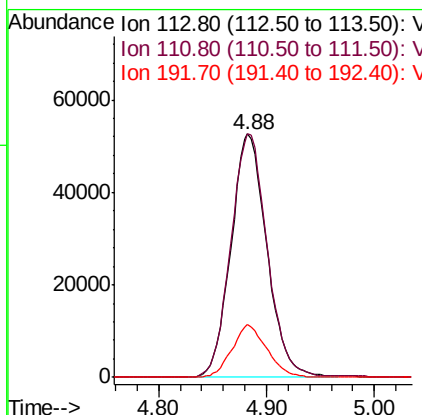
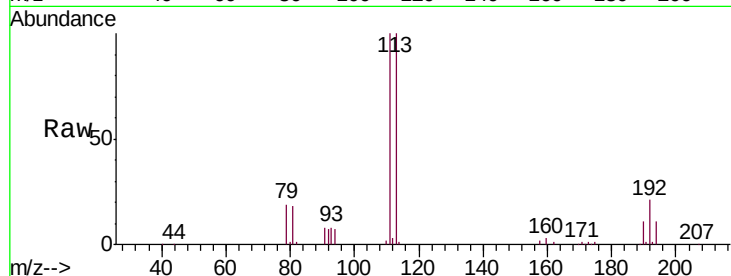




#35
 Dibromofluoromethane
 Concen: 48.572 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VU025883.D
 Acq: 06 Aug 2018 14:10

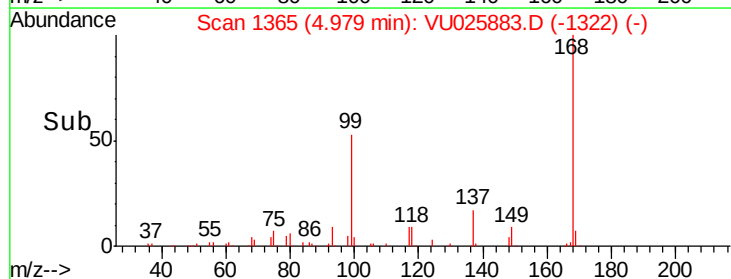
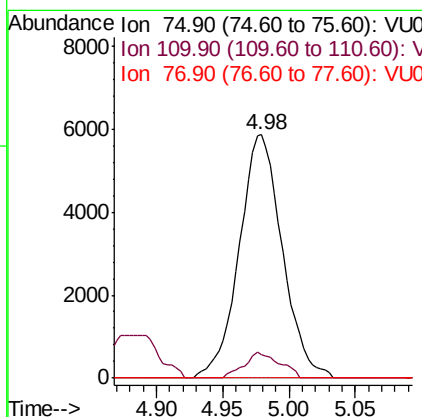
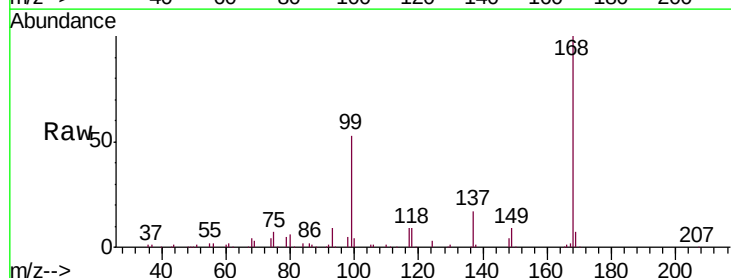
Instrument :
 MSVOA_U
 ClientSampleId :
 FK-BPM-03-001-BRE

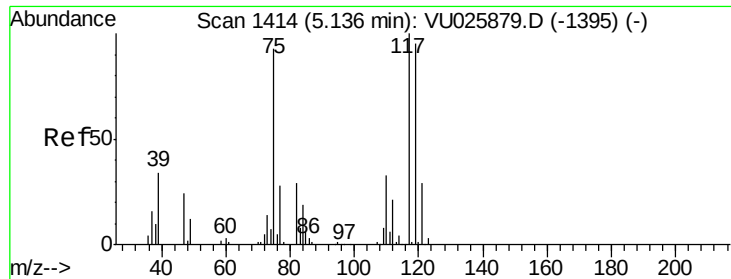
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.7	122.5
192	21.0	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 3.925 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU025883.D
 Acq: 06 Aug 2018 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.6	52.9#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.283 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

FK-BPM-03-001-BRE

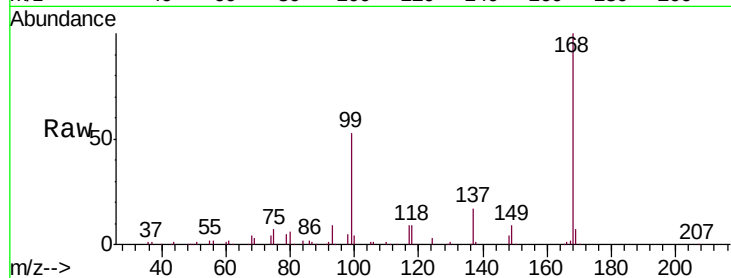
Tgt Ion:117 Resp: 16362

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

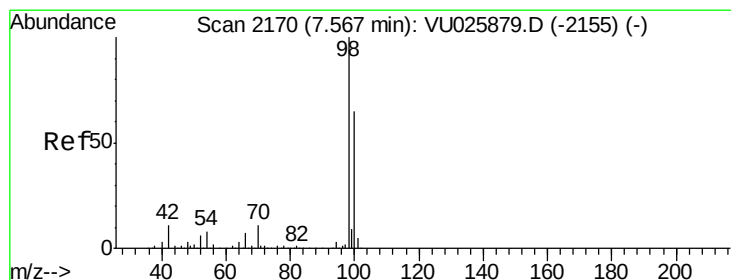
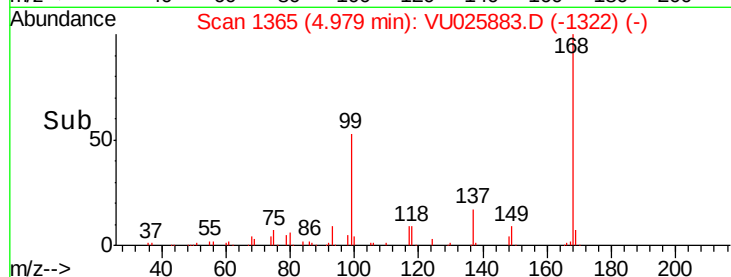
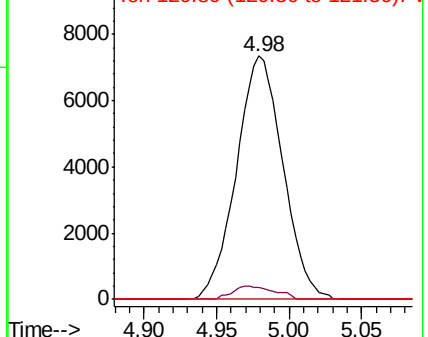
121 0.0 24.6 36.8#



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: 48.592 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025883.D

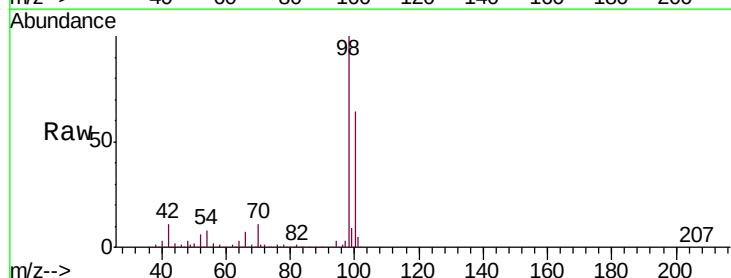
Acq: 06 Aug 2018 14:10

Tgt Ion: 98 Resp: 426800

Ion Ratio Lower Upper

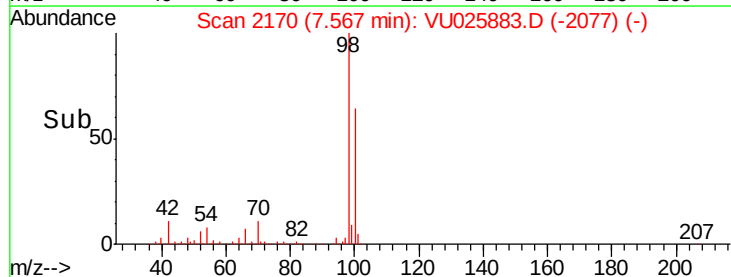
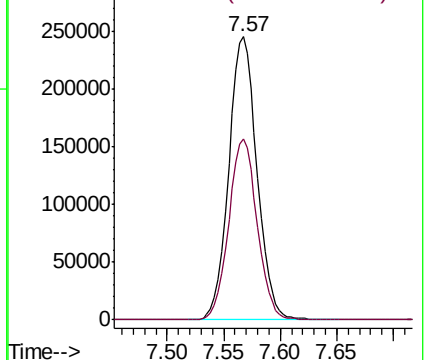
98 100

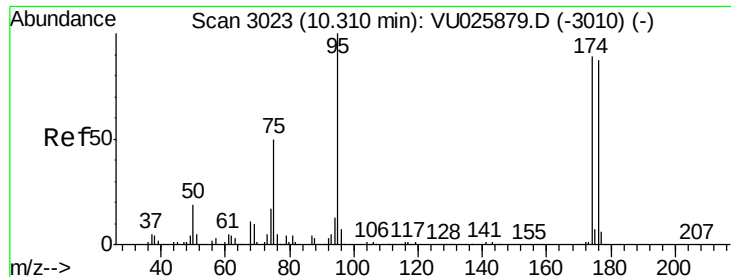
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 50.869 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

FK-BPM-03-001-BRE

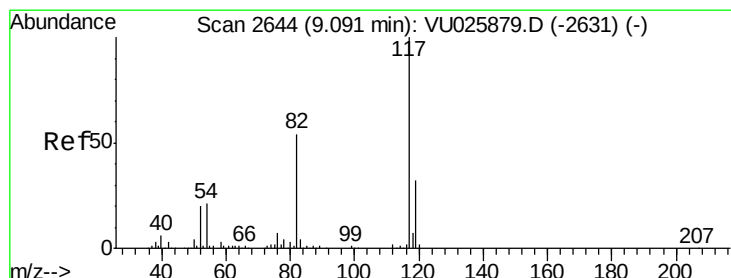
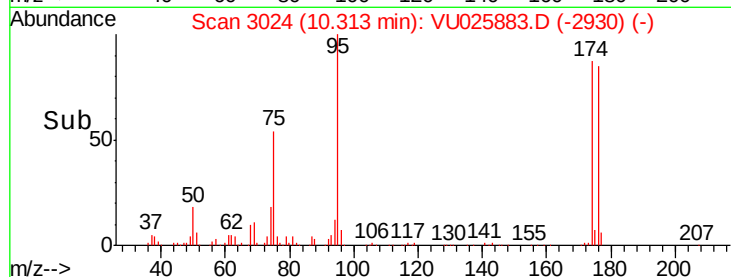
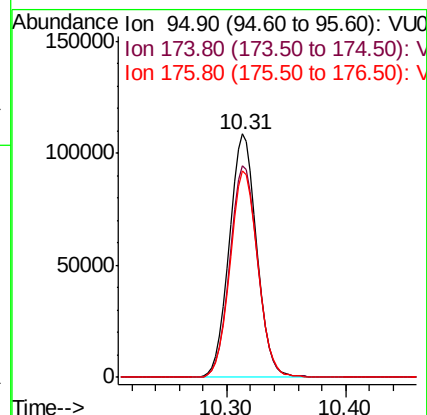
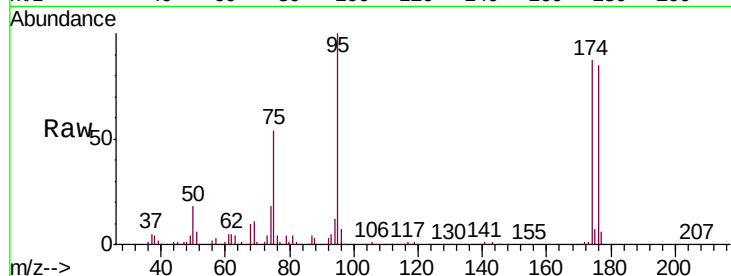
Tgt Ion: 95 Resp: 173422

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

176 86.0 0.0 162.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

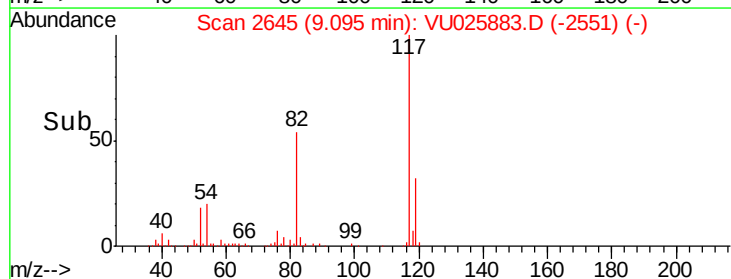
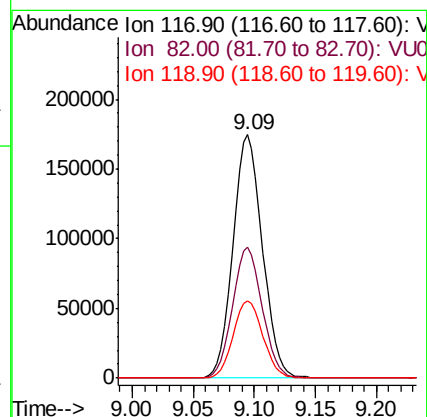
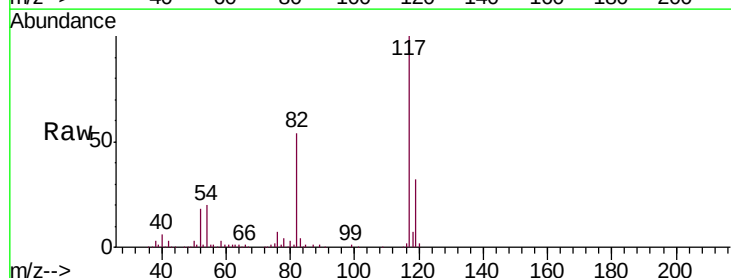
Tgt Ion: 117 Resp: 294145

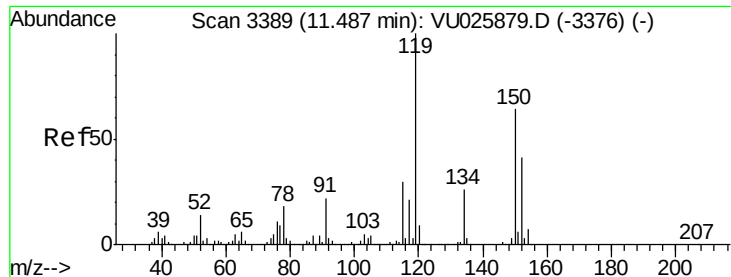
Ion Ratio Lower Upper

117 100

82 53.9 46.0 69.0

119 31.7 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025883.D

Acq: 06 Aug 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

FK-BPM-03-001-BRE

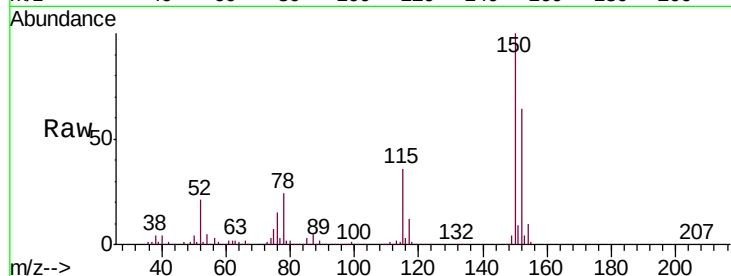
Tgt Ion:152 Resp: 185716

Ion Ratio Lower Upper

152 100

115 57.3 40.1 120.3

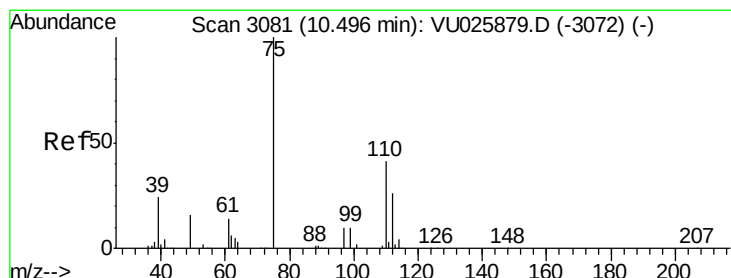
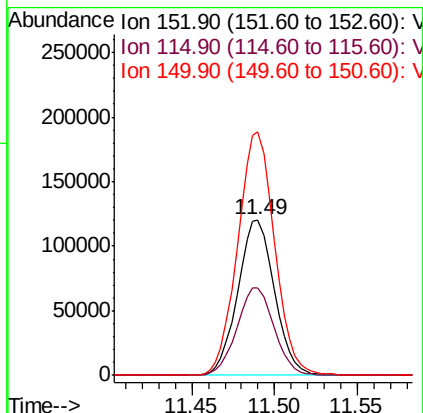
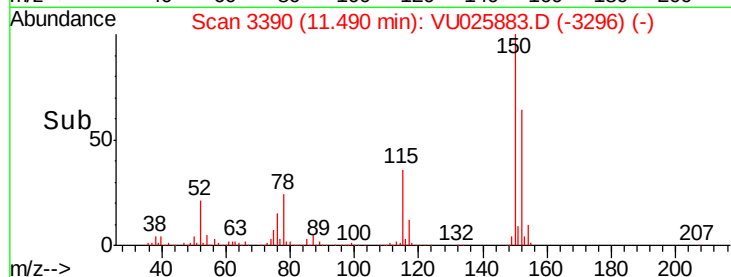
150 157.8 0.0 351.4



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: 22.510 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025883.D

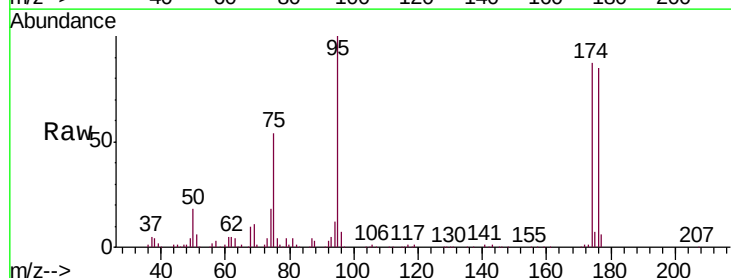
Acq: 06 Aug 2018 14:10

Tgt Ion: 75 Resp: 92107

Ion Ratio Lower Upper

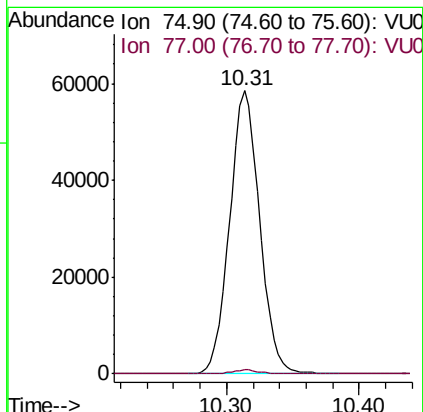
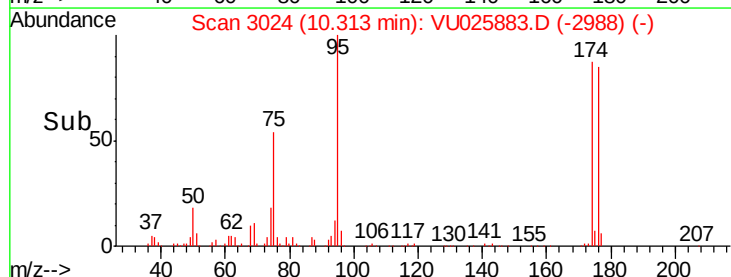
75 100

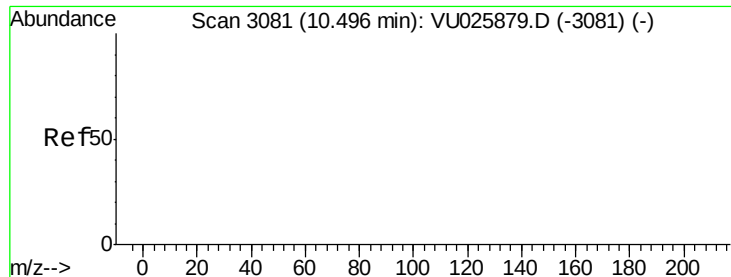
77 1.3 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

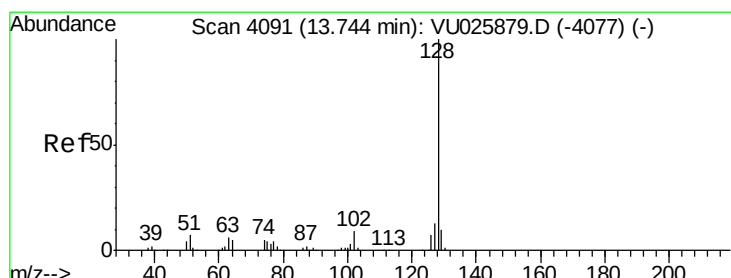
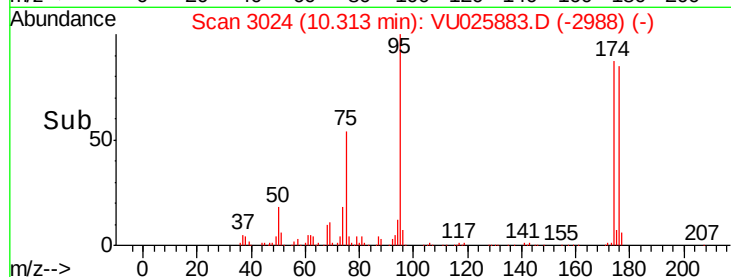
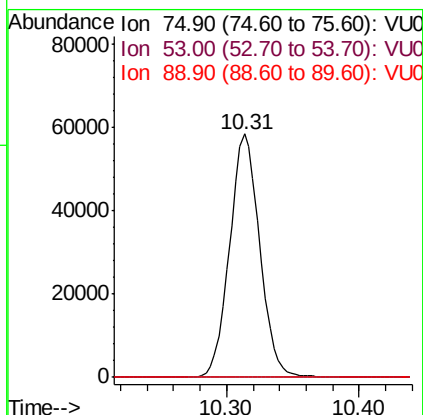
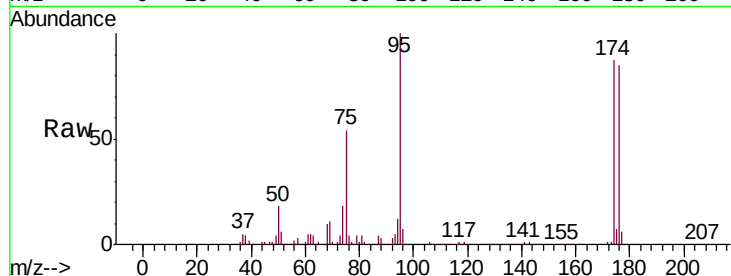




#81
trans-1,4-Dichloro-2-butene
Concen: 56.442 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.18 min
Lab File: VU025883.D
Acq: 06 Aug 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
FK-BPM-03-001-BRE

Tgt Ion: 75 Resp: 92107
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0#
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.356 ug/l
RT: 13.75 min Scan# 4094
Delta R.T. 0.01 min
Lab File: VU025883.D
Acq: 06 Aug 2018 14:10

Tgt Ion: 128 Resp: 1491
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.3 12.5#

