

Data File : VU025885.D
Acq On : 06 Aug 2018 14:57
Operator : MD/SY
Sample : J4257-08RE
Misc : 9.66g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 07 00:51:38 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	173547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278764	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	181734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	145016	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	4.88	113	117542	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	7.57	98	412065	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	10.31	95	169657	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

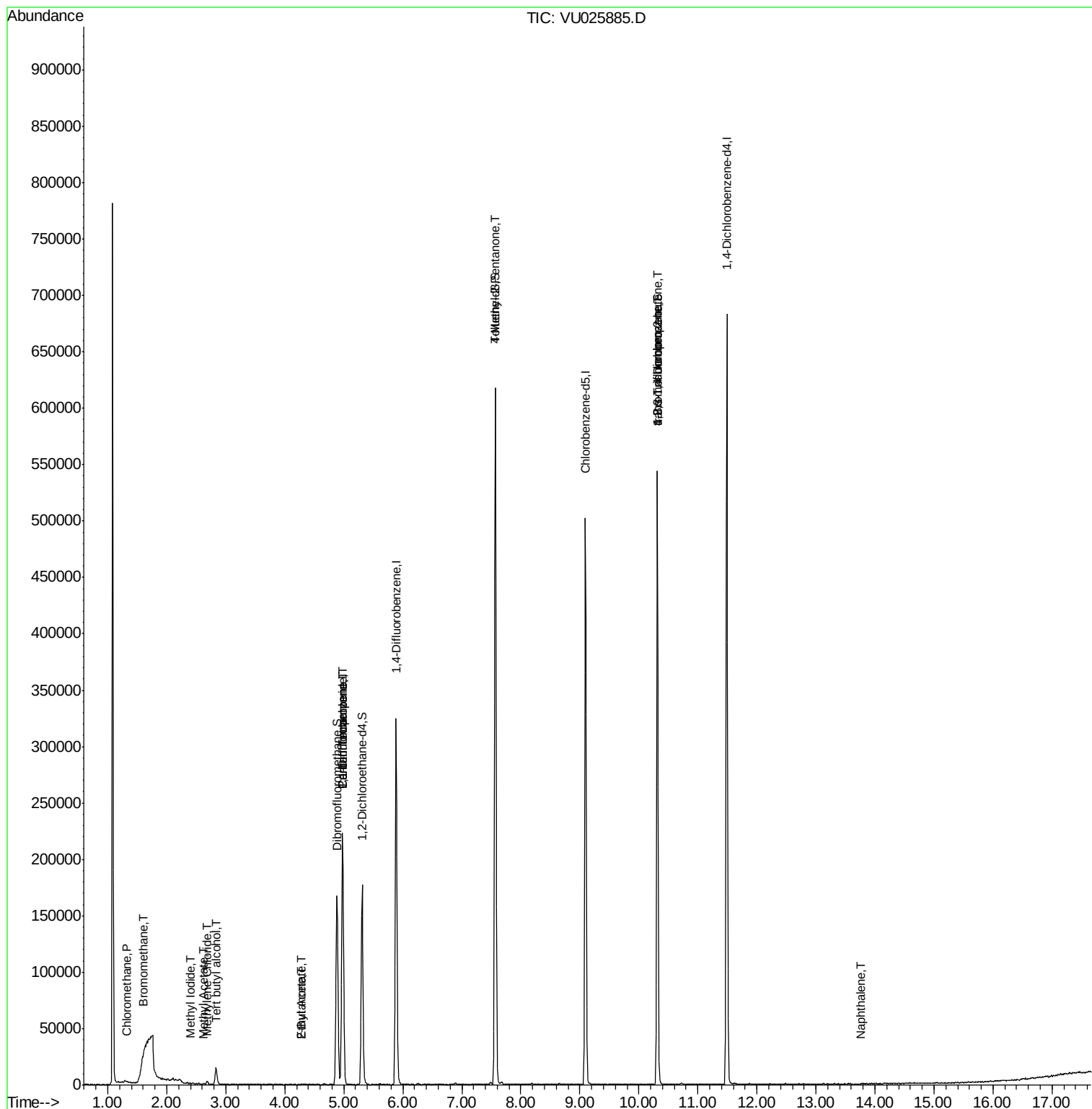
						Qvalue
3) Chloromethane	1.32	50	689	0.275	ug/l #	85
5) Bromomethane	1.60	94	959	0.832	ug/l #	65
10) Methyl Iodide	2.40	142	63	8.624	ug/l #	39
11) Tert butyl alcohol	2.83	59	9170	15.489	ug/l #	73
13) Acrolein	2.20	56	82	Below Cal	#	14
18) Methyl Acetate	2.62	43	938	0.296	ug/l #	86
20) Methylene Chloride	2.69	84	1319	0.565	ug/l	91
25) 2-Butanone	4.28	43	1082	0.603	ug/l	96
31) Cyclohexane	4.99	56	3610	Below Cal	#	10
36) 1,1-Dichloropropene	4.98	75	13425	4.121	ug/l #	50
37) Ethyl Acetate	4.28	43	1082	0.320	ug/l #	69
38) Carbon Tetrachloride	4.98	117	16973	4.600	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	1744	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	88201	22.027	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	88201	55.233	ug/l #	100
95) Naphthalene	13.76	128	119	1.259	ug/l #	69

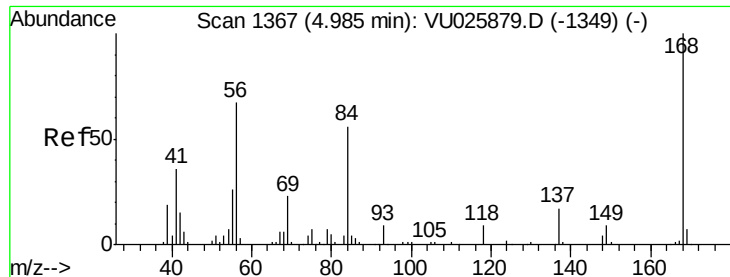
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

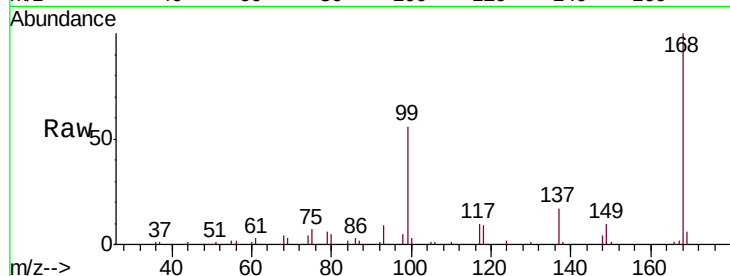
FK-BPM-03-001-DRE

Tgt Ion:168 Resp: 173547

Ion Ratio Lower Upper

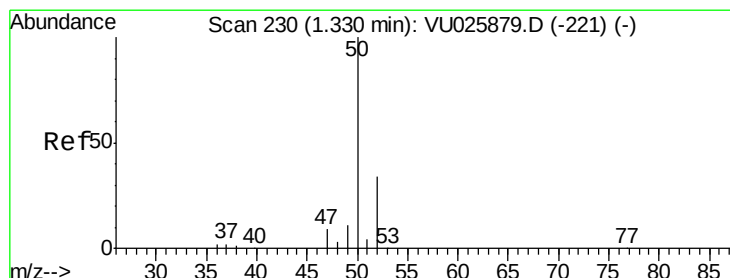
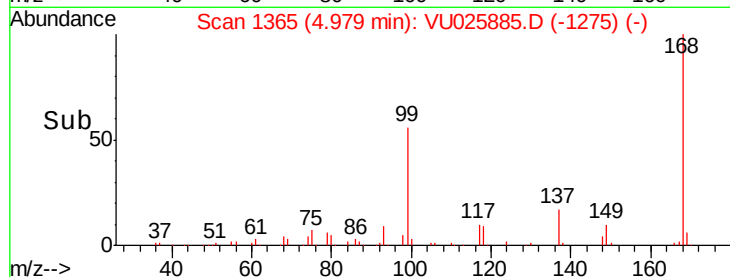
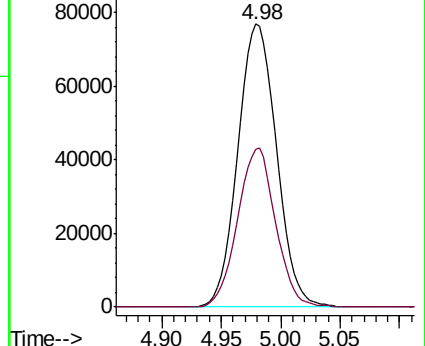
168 100

99 55.8 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: 0.275 ug/l

RT: 1.32 min Scan# 227

Delta R.T. -0.01 min

Lab File: VU025885.D

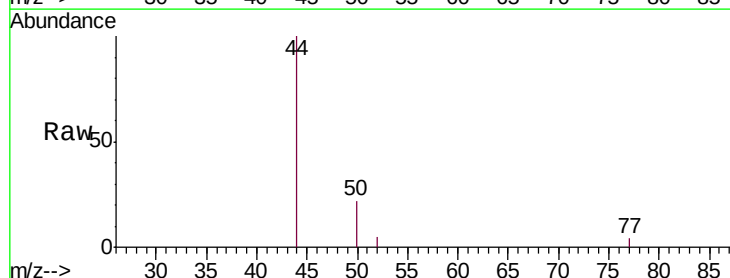
Acq: 06 Aug 2018 14:57

Tgt Ion: 50 Resp: 689

Ion Ratio Lower Upper

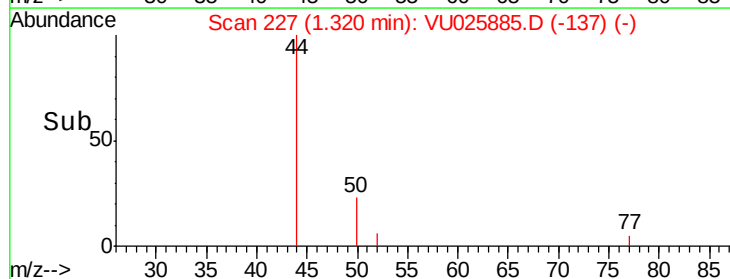
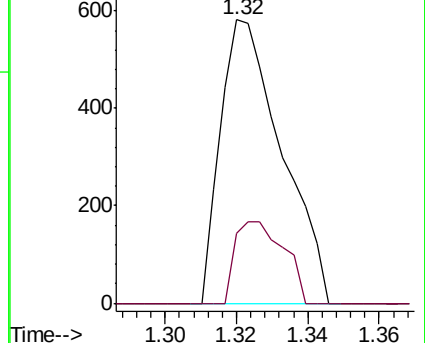
50 100

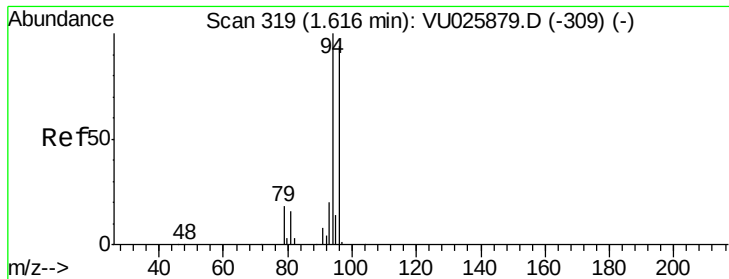
52 24.7 26.5 39.7#



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

Ion 51.90 (51.60 to 52.60): VU025879.D





#5

Bromomethane

Concen: 0.832 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

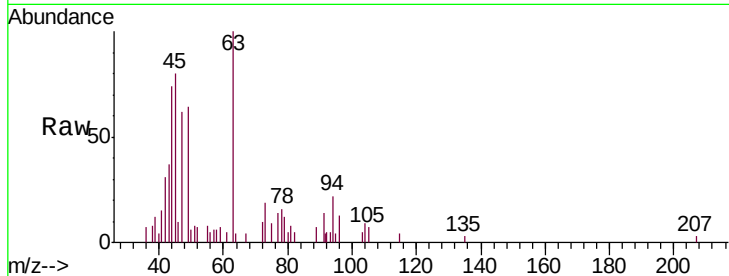
FK-BPM-03-001-DRE

Tgt Ion: 94 Resp: 959

Ion Ratio Lower Upper

94 100

96 59.7 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU025879.D (-309) (-)

Ion 95.90 (95.60 to 96.60): VU025879.D (-309) (-)

1.60

600

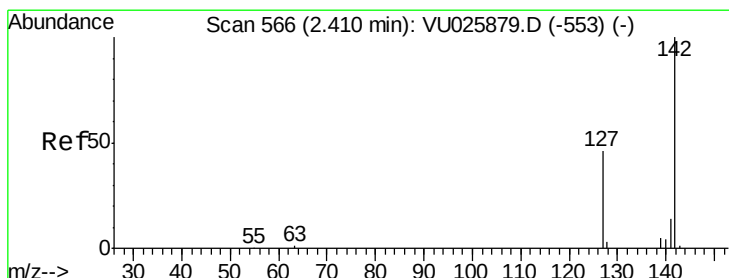
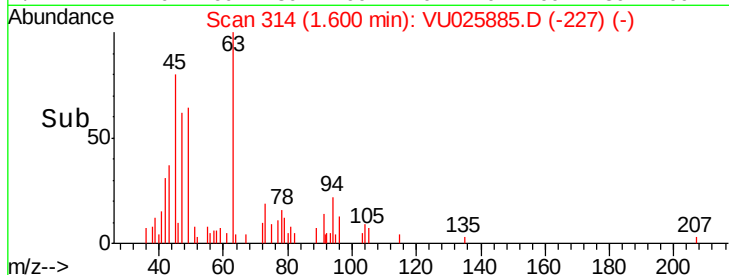
400

200

0

1.55 1.60 1.65

Time-->



#10

Methyl Iodide

Concen: 8.624 ug/l

RT: 2.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

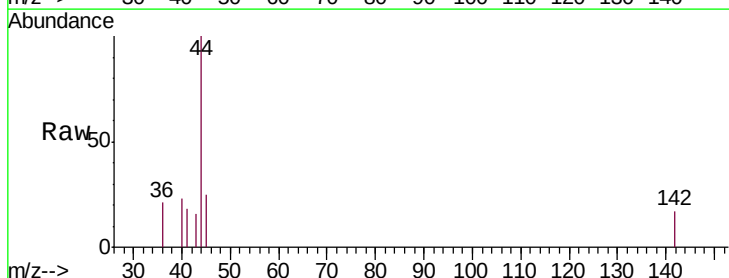
Tgt Ion: 142 Resp: 63

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): VU025879.D (-553) (-)

Ion 126.80 (126.50 to 127.50): VU025879.D (-553) (-)

Ion 140.80 (140.50 to 141.50): VU025879.D (-553) (-)

2.40

150

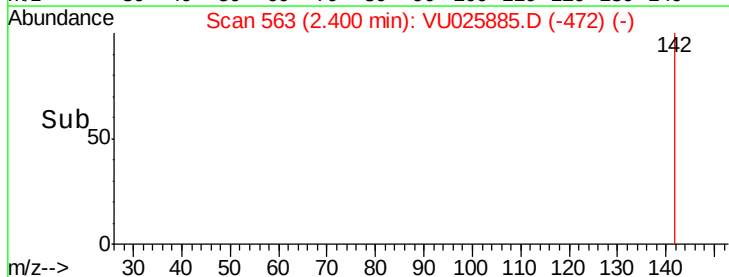
100

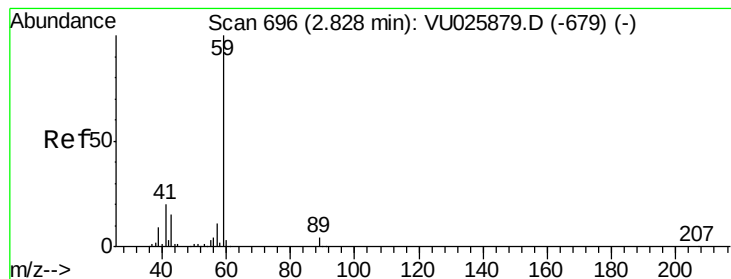
50

0

2.39 2.40 2.41

Time-->





#11

Tert butyl alcohol

Concen: 15.489 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

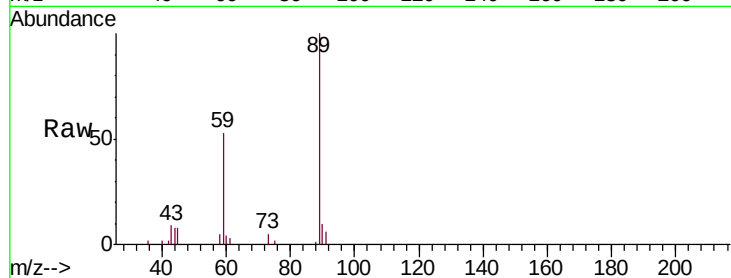
FK-BPM-03-001-DRE

Tgt Ion: 59 Resp: 9170

Ion Ratio Lower Upper

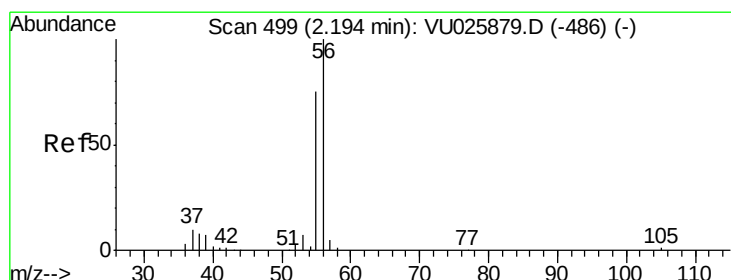
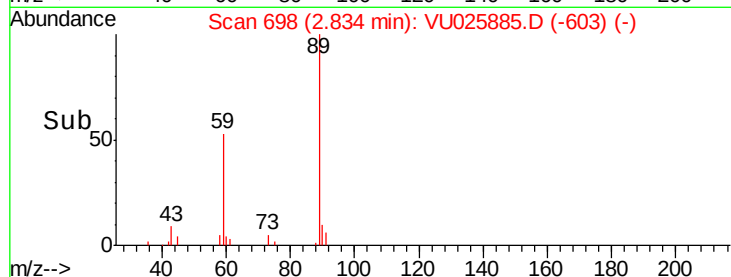
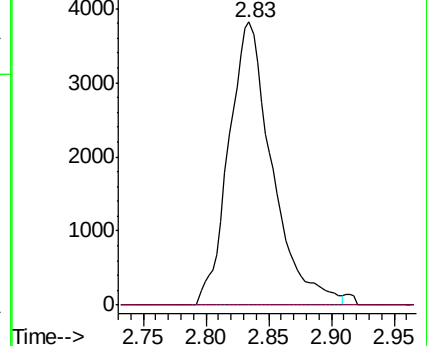
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025885.D

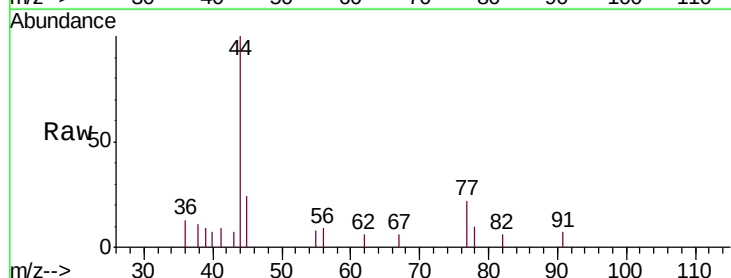
Acq: 06 Aug 2018 14:57

Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

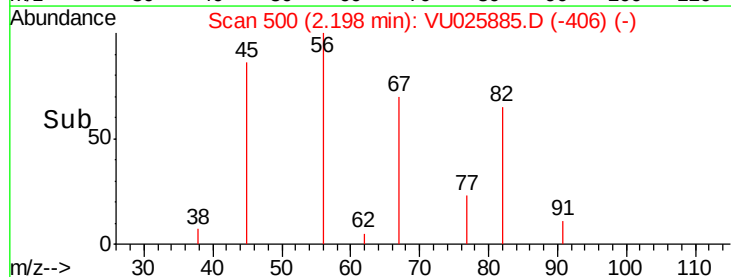
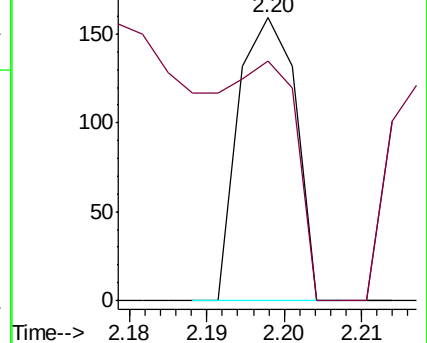
56 100

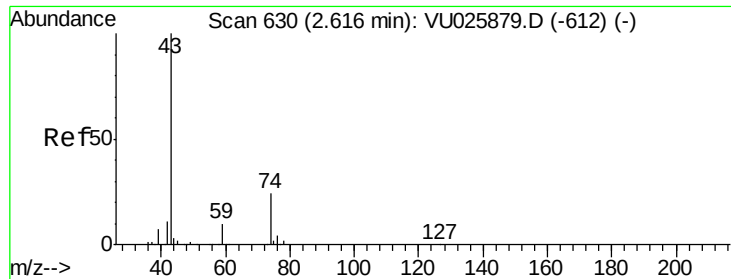
55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

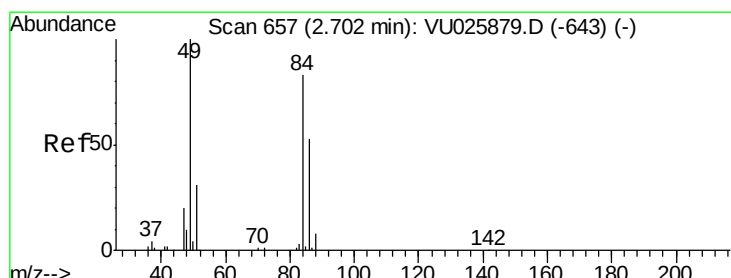
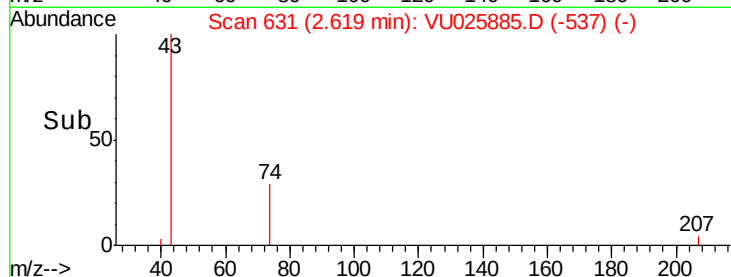
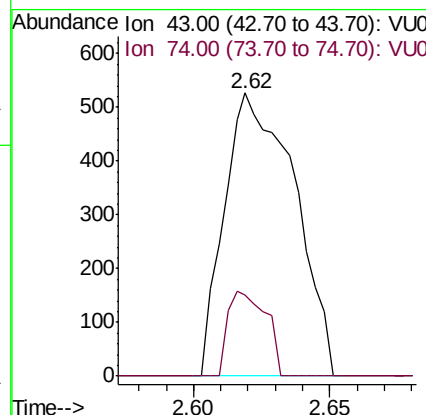
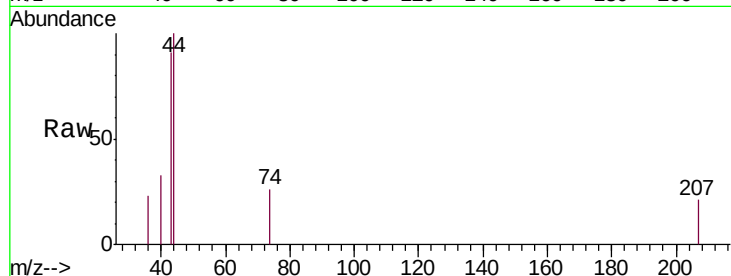




#18
Methyl Acetate
Concen: 0.296 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025885.D
Acq: 06 Aug 2018 14:57

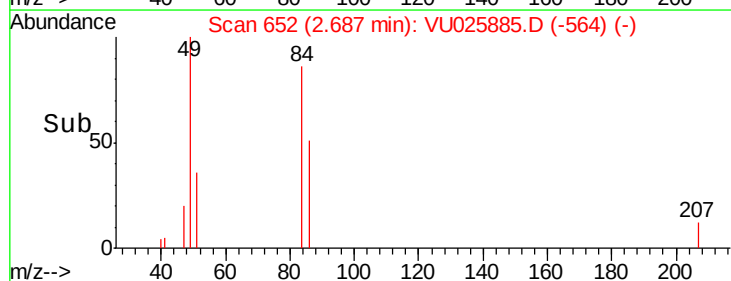
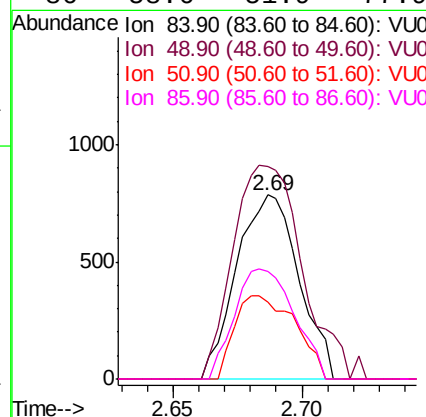
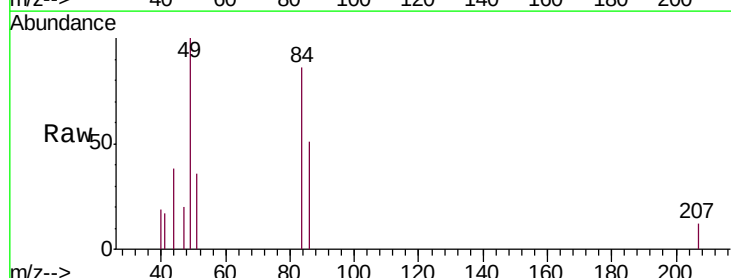
Instrument :
MSVOA_U
ClientSampleId :
FK-BPM-03-001-DRE

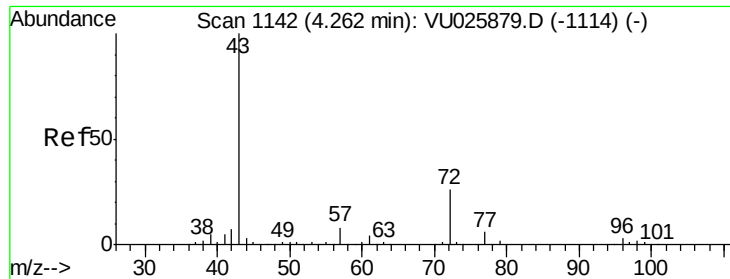
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
74 16.4 18.5 27.7#



#20
Methylene Chloride
Concen: 0.565 ug/l
RT: 2.69 min Scan# 652
Delta R.T. -0.02 min
Lab File: VU025885.D
Acq: 06 Aug 2018 14:57

Tgt Ion: 84 Resp: 1319
Ion Ratio Lower Upper
84 100
49 115.8 101.8 152.6
51 41.5 30.8 46.2
86 58.6 51.9 77.9





#25

2-Butanone

Concen: 0.603 ug/l

RT: 4.28 min Scan# 1149

Delta R.T. 0.02 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

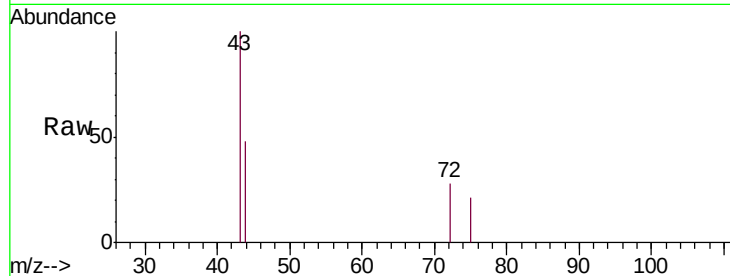
FK-BPM-03-001-DRE

Tgt Ion: 43 Resp: 1082

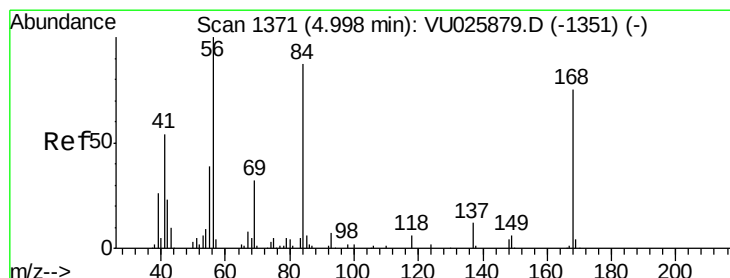
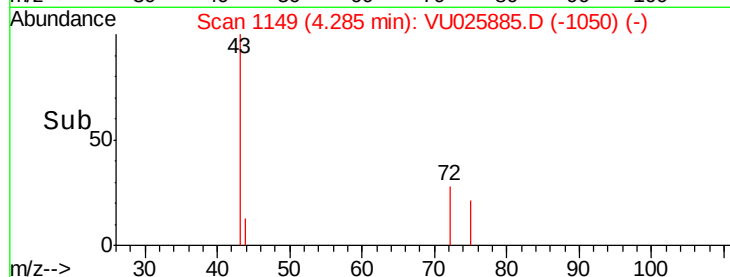
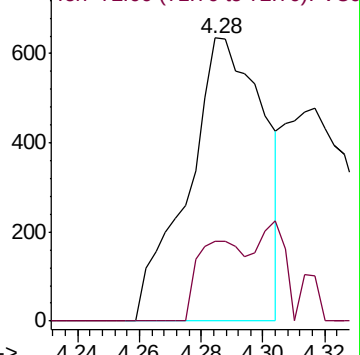
Ion Ratio Lower Upper

43 100

72 28.2 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-1114) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

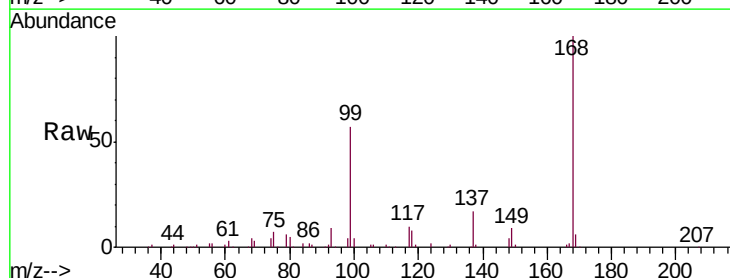
Tgt Ion: 56 Resp: 3610

Ion Ratio Lower Upper

56 100

69 169.0 26.8 40.2#

84 117.9 69.7 104.5#

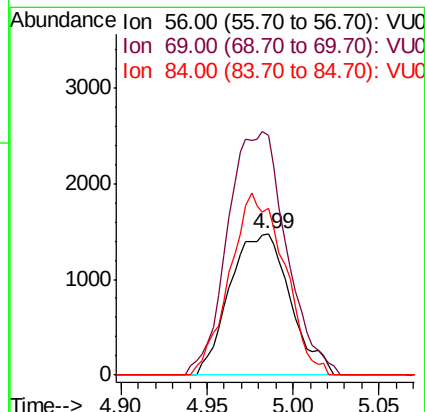
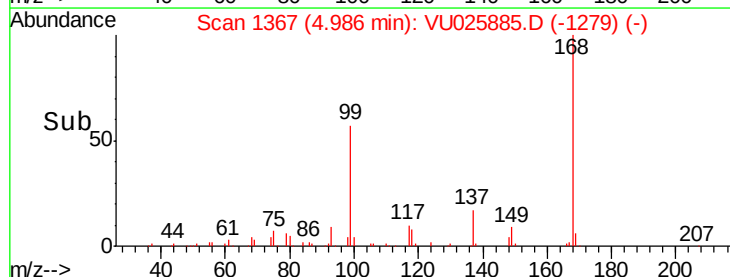


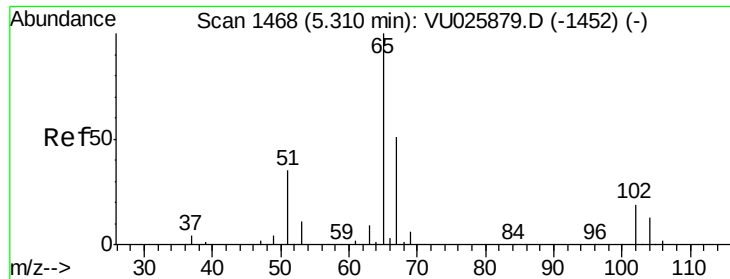
Abundance Ion 56.00 (55.70 to 56.70): VU025879.D (-1351) (-)

Ion 69.00 (68.70 to 69.70): VU025879.D (-1351) (-)

Ion 84.00 (83.70 to 84.70): VU025879.D (-1351) (-)

Time-->

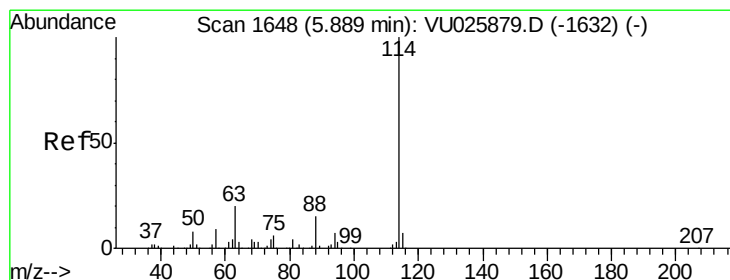
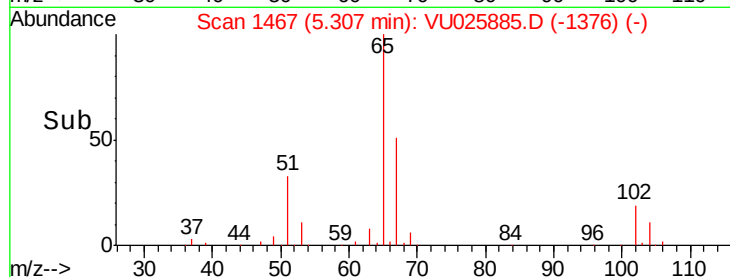
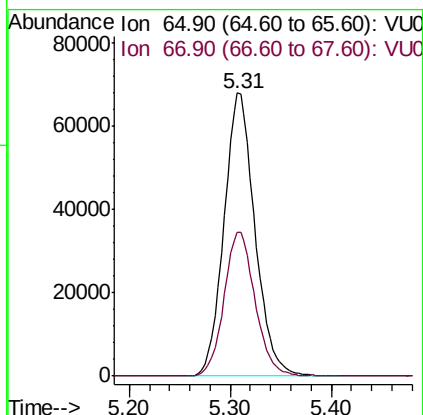
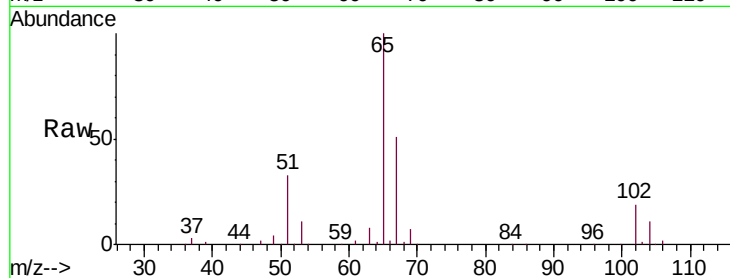




#33
 1,2-Dichloroethane-d4
 Concen: 53.629 ug/l
 RT: 5.31 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VU025885.D
 Acq: 06 Aug 2018 14:57

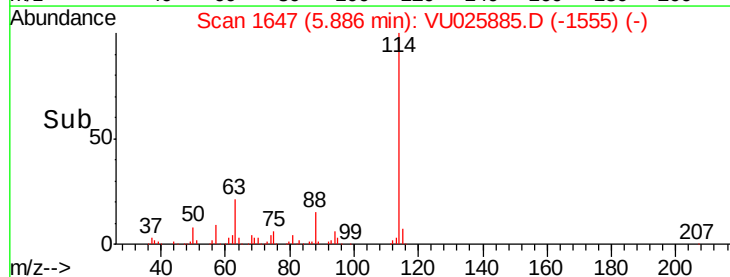
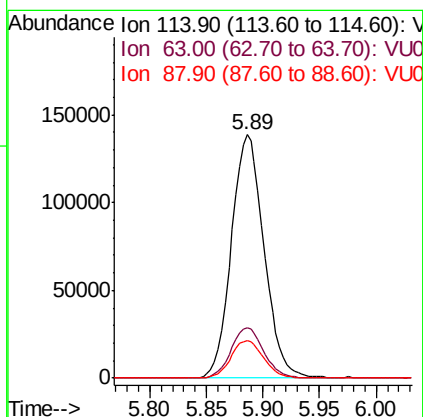
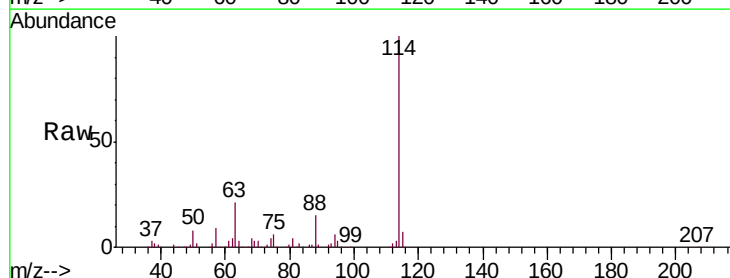
Instrument :
 MSVOA_U
 ClientSampleId :
 FK-BPM-03-001-DRE

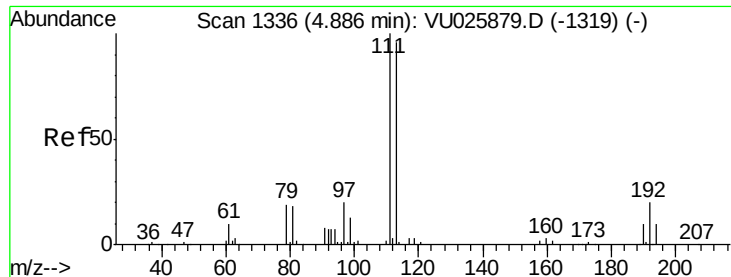
Tgt Ion: 65 Resp: 145016
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.00 min
 Lab File: VU025885.D
 Acq: 06 Aug 2018 14:57

Tgt Ion: 114 Resp: 278764
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 15.5 0.0 32.4

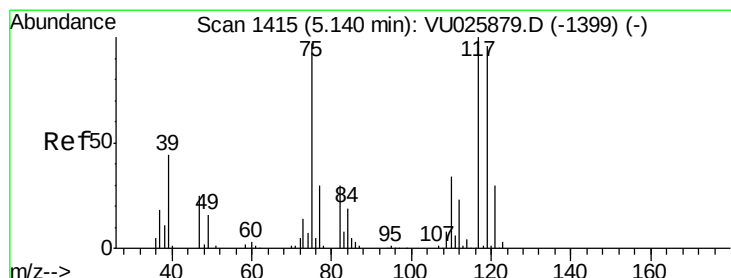
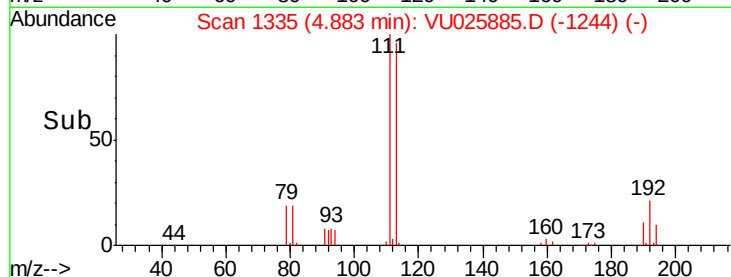
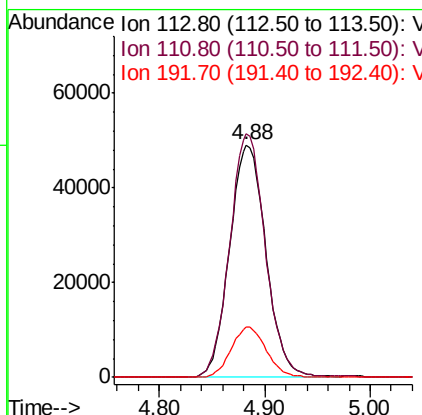
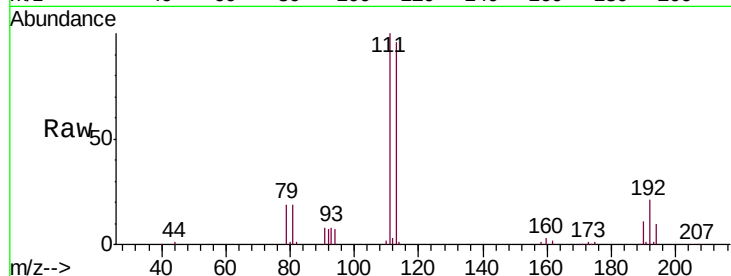




#35
 Dibromofluoromethane
 Concen: 48.480 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VU025885.D
 Acq: 06 Aug 2018 14:57

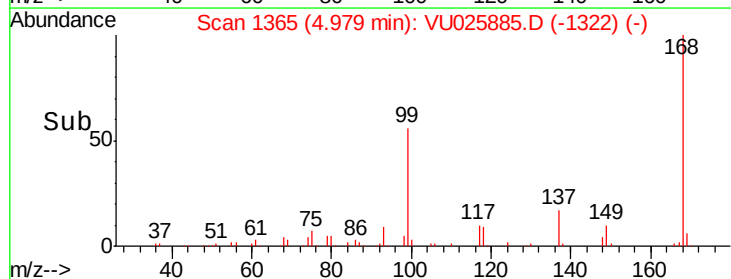
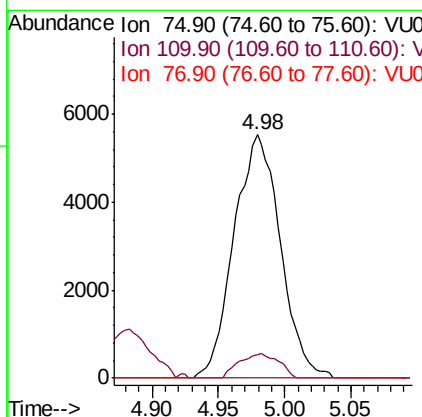
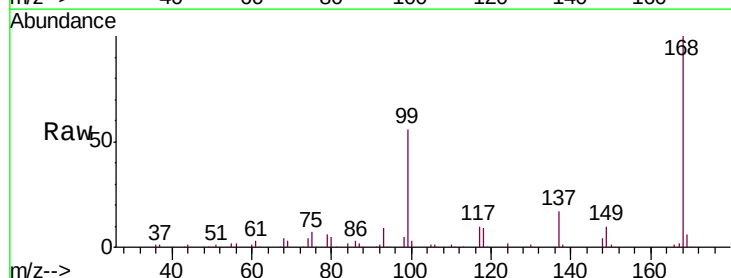
Instrument :
 MSVOA_U
 ClientSampleId :
 FK-BPM-03-001-DRE

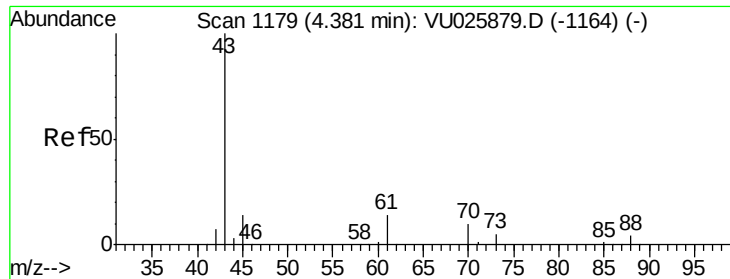
Tgt Ion:113 Resp: 117542
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.121 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU025885.D
 Acq: 06 Aug 2018 14:57

Tgt Ion: 75 Resp: 13425
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.6 52.9#
 77 0.0 24.4 36.6#

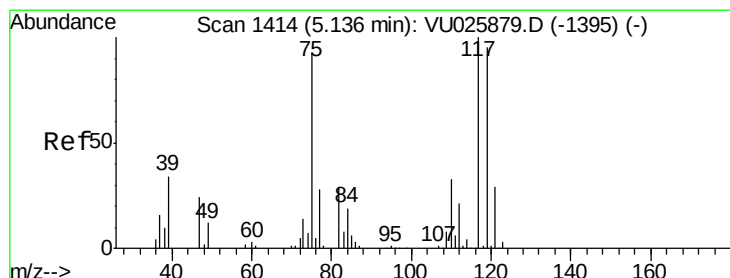
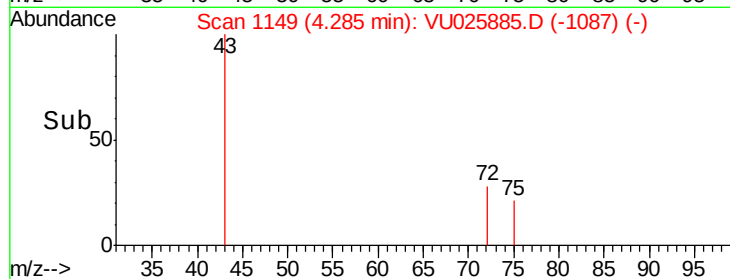
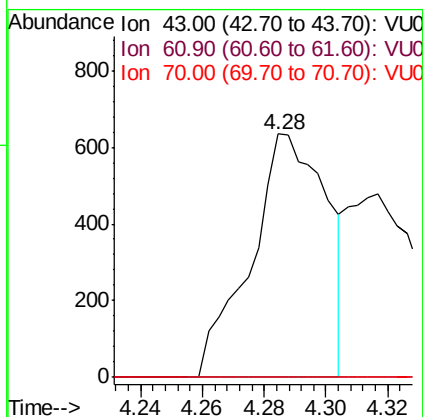
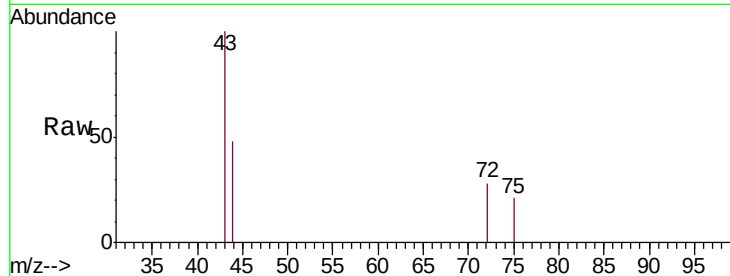




#37
Ethyl Acetate
Concen: 0.320 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. -0.10 min
Lab File: VU025885.D
Acq: 06 Aug 2018 14:57

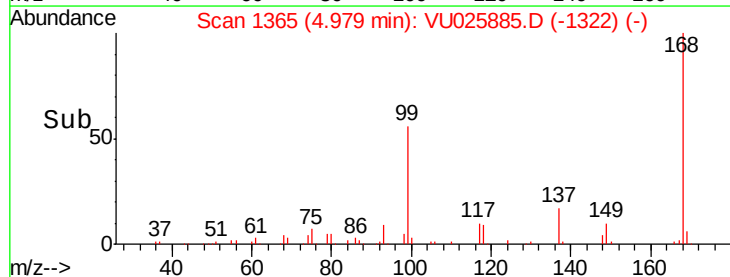
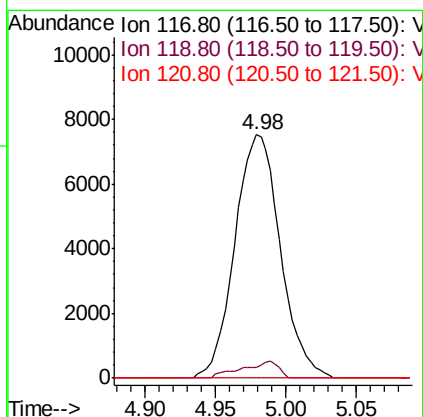
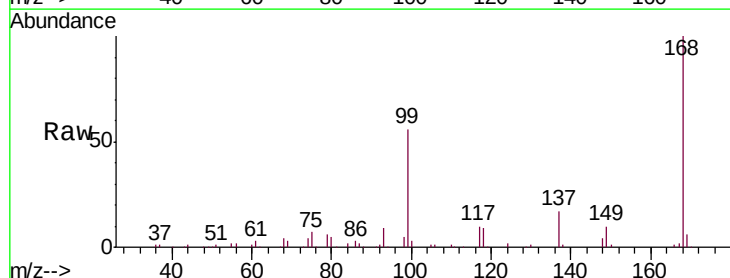
Instrument :
MSVOA_U
ClientSampleId :
FK-BPM-03-001-DRE

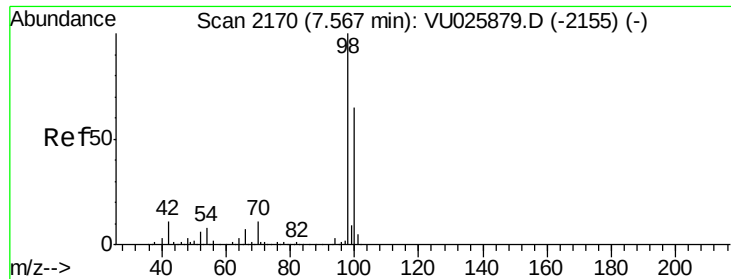
Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.600 ug/l
RT: 4.98 min Scan# 1365
Delta R.T. -0.16 min
Lab File: VU025885.D
Acq: 06 Aug 2018 14:57

Tgt Ion: 117 Resp: 16973
Ion Ratio Lower Upper
117 100
119 4.5 75.7 113.5#
121 0.0 24.6 36.8#

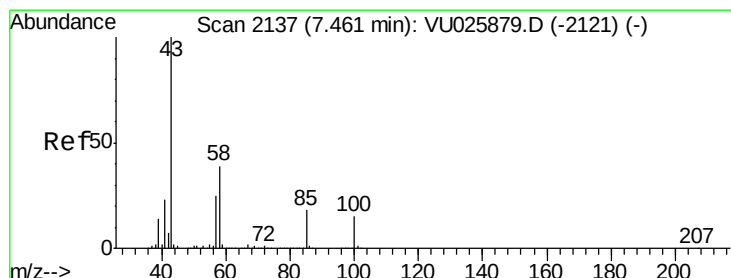
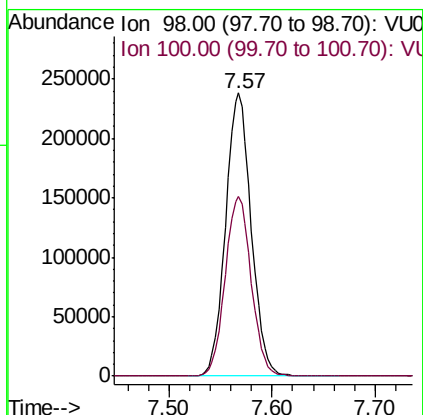
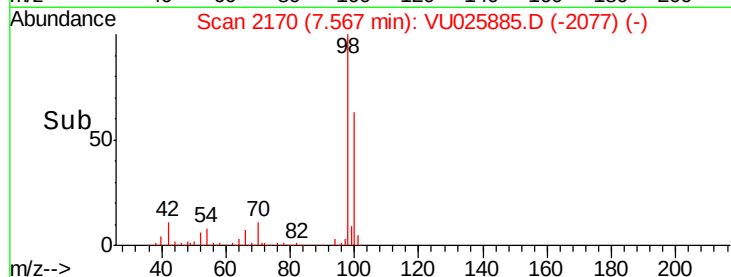
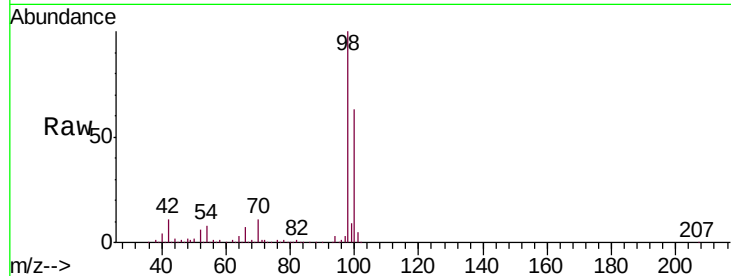




#50
Toluene-d8
Concen: 48.568 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025885.D
Acq: 06 Aug 2018 14:57

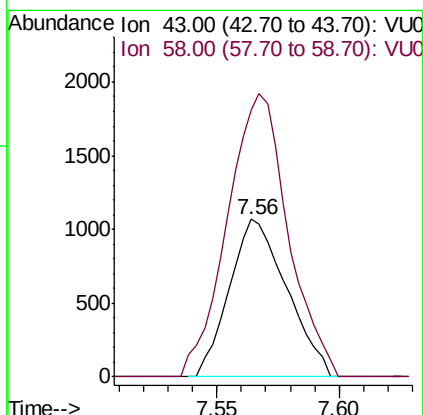
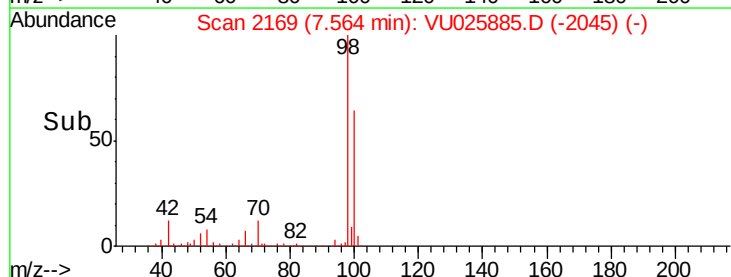
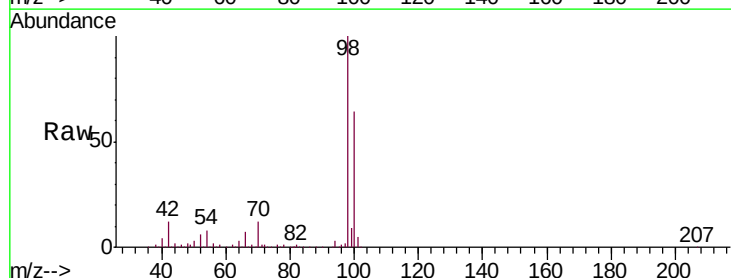
Instrument :
MSVOA_U
ClientSampleId :
FK-BPM-03-001-DRE

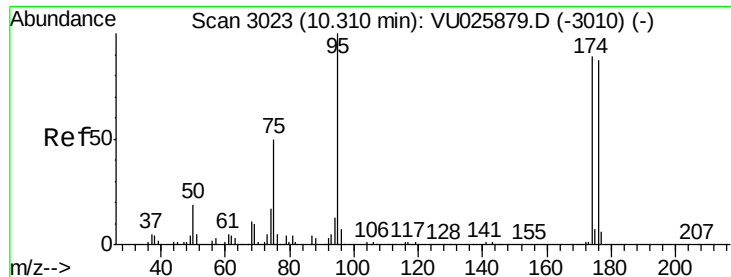
Tgt Ion: 98 Resp: 412065
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 7.56 min Scan# 2169
Delta R.T. 0.10 min
Lab File: VU025885.D
Acq: 06 Aug 2018 14:57

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 190.0 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 51.518 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

FK-BPM-03-001-DRE

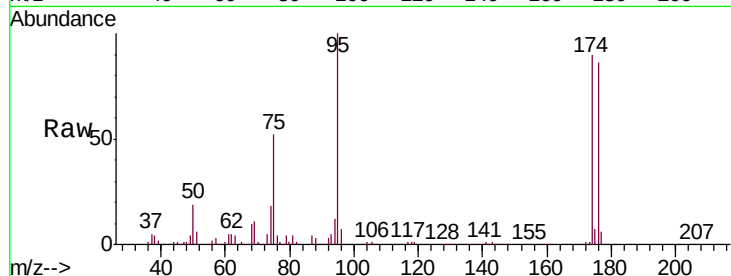
Tgt Ion: 95 Resp: 169657

Ion Ratio Lower Upper

95 100

174 88.0 0.0 172.2

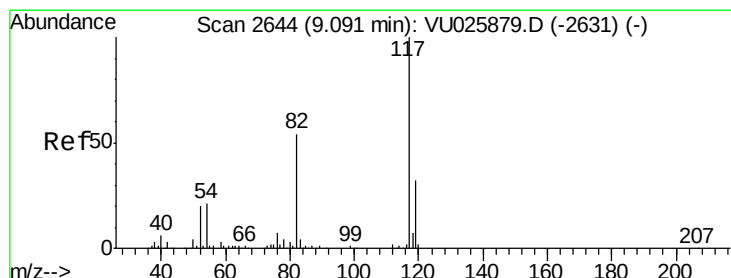
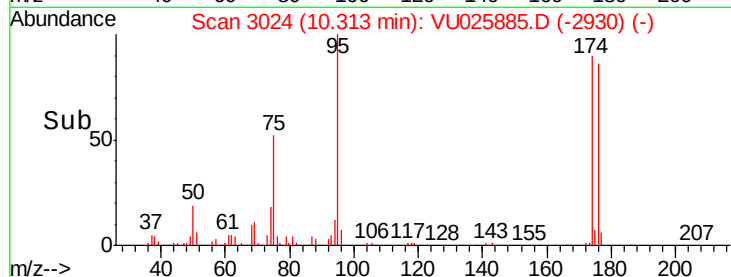
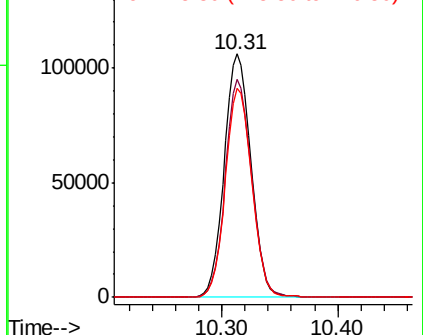
176 85.0 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025879.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025879.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025879.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

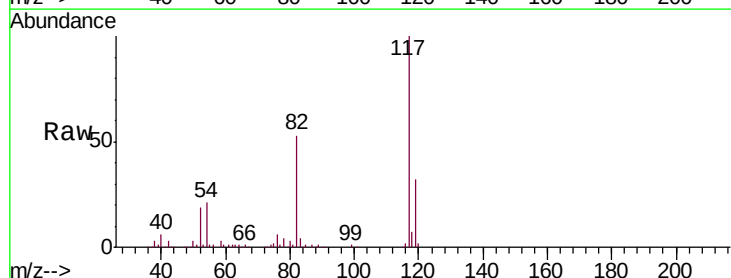
Tgt Ion: 117 Resp: 285780

Ion Ratio Lower Upper

117 100

82 53.4 46.0 69.0

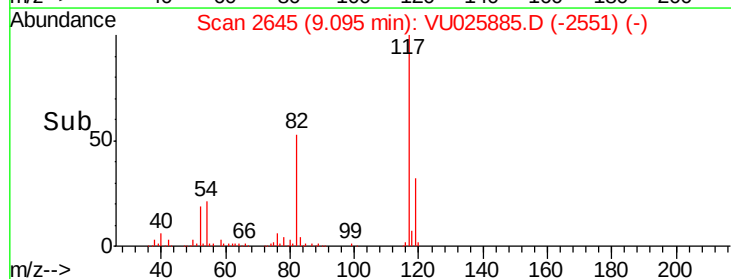
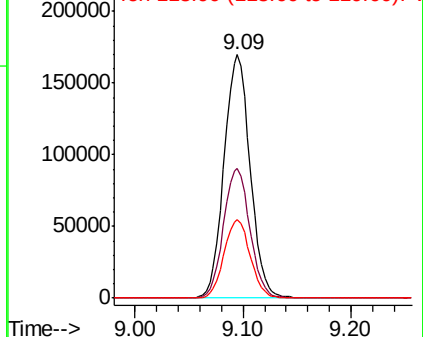
119 32.1 26.0 39.0

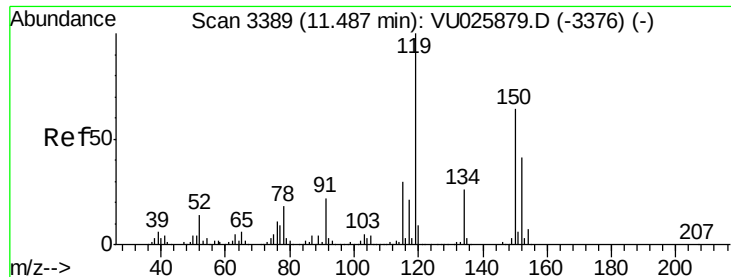


Abundance Ion 116.90 (116.60 to 117.60): VU025879.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025879.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025879.D (-2631) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

FK-BPM-03-001-DRE

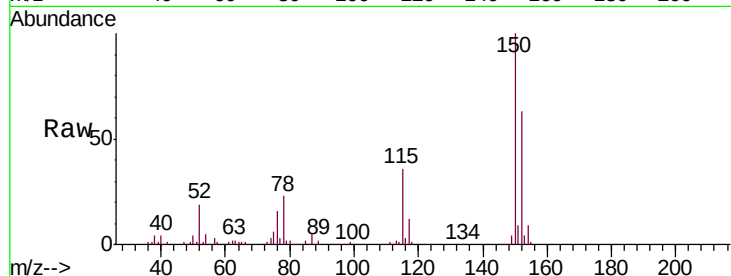
Tgt Ion:152 Resp: 181734

Ion Ratio Lower Upper

152 100

115 56.5 40.1 120.3

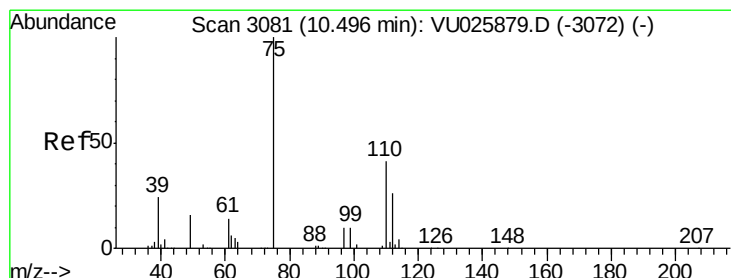
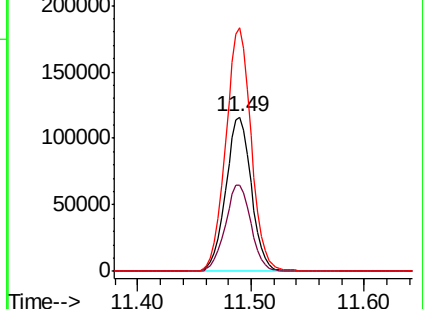
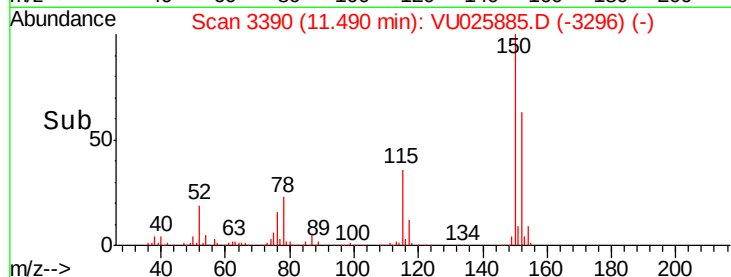
150 157.0 0.0 351.4



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: 22.027 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025885.D

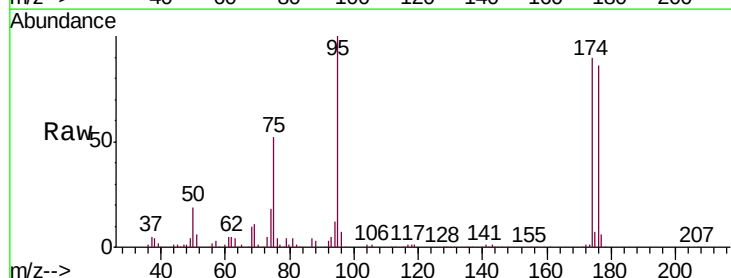
Acq: 06 Aug 2018 14:57

Tgt Ion: 75 Resp: 88201

Ion Ratio Lower Upper

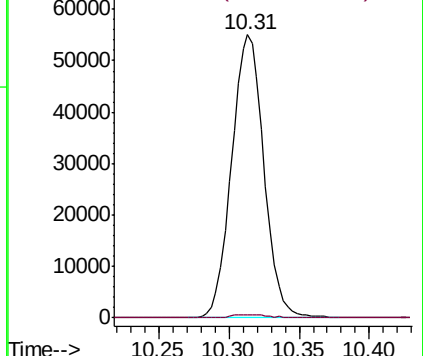
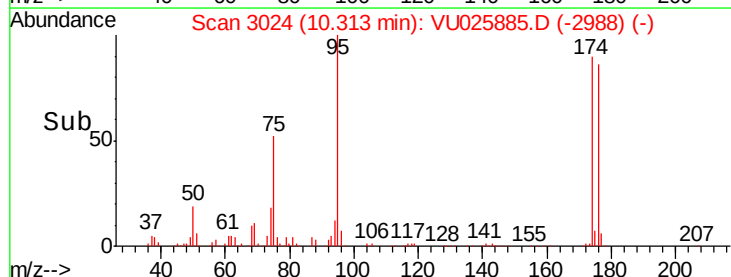
75 100

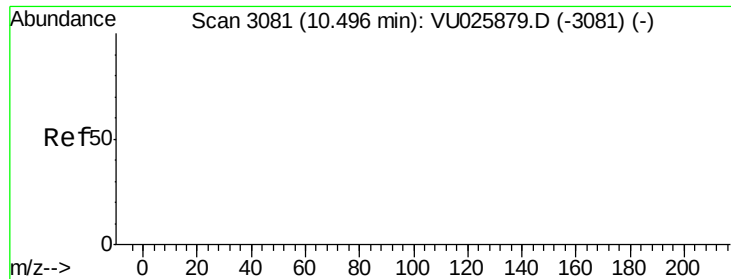
77 1.3 20.4 61.3#



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: 55.233 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

FK-BPM-03-001-DRE

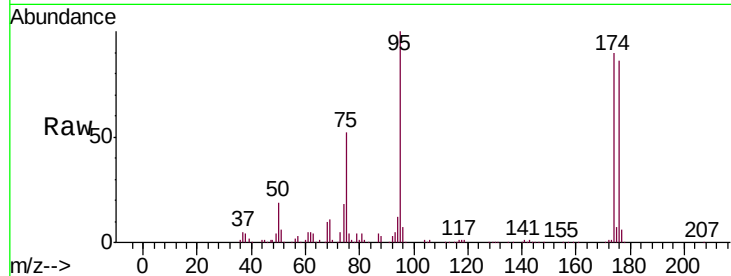
Tgt Ion: 75 Resp: 88201

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

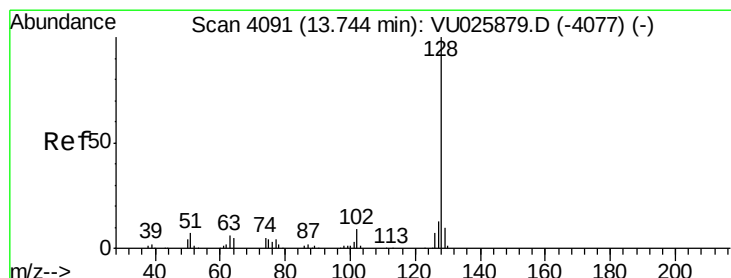
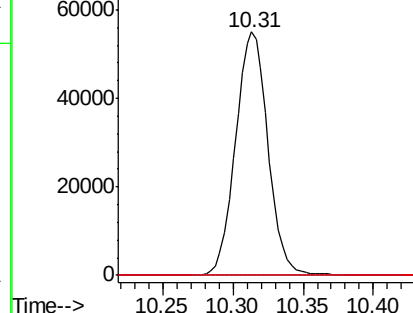
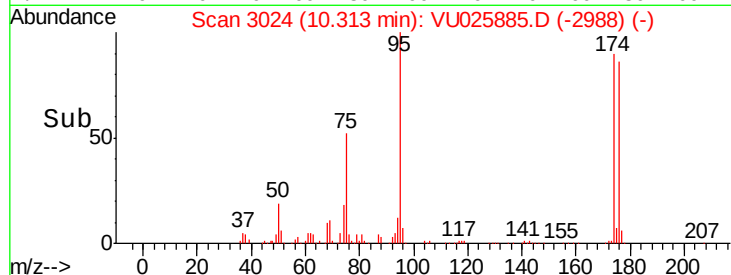
89 0.0 0.0 0.0



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



#95

Naphthalene

Concen: 1.259 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU025885.D

Acq: 06 Aug 2018 14:57

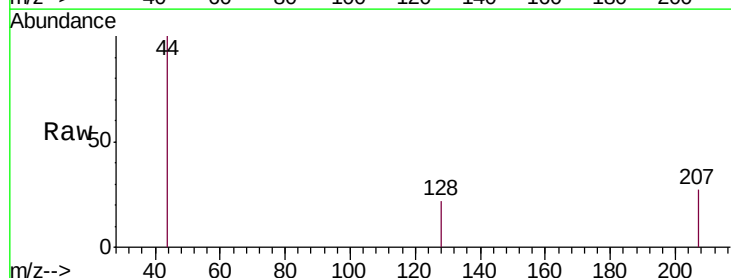
Tgt Ion: 128 Resp: 119

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

