

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001806.D
 Acq On : 28 Feb 2020 18:18
 Operator : SY/MD
 Sample : L1739-02
 Misc : 4.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-04-007-ABCD

Quant Time: Feb 28 22:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	147964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	282085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	256072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	112899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	92803	58.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.62%	
35) Dibromofluoromethane	7.75	113	83006	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.20	98	338204	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.49	95	116354	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds

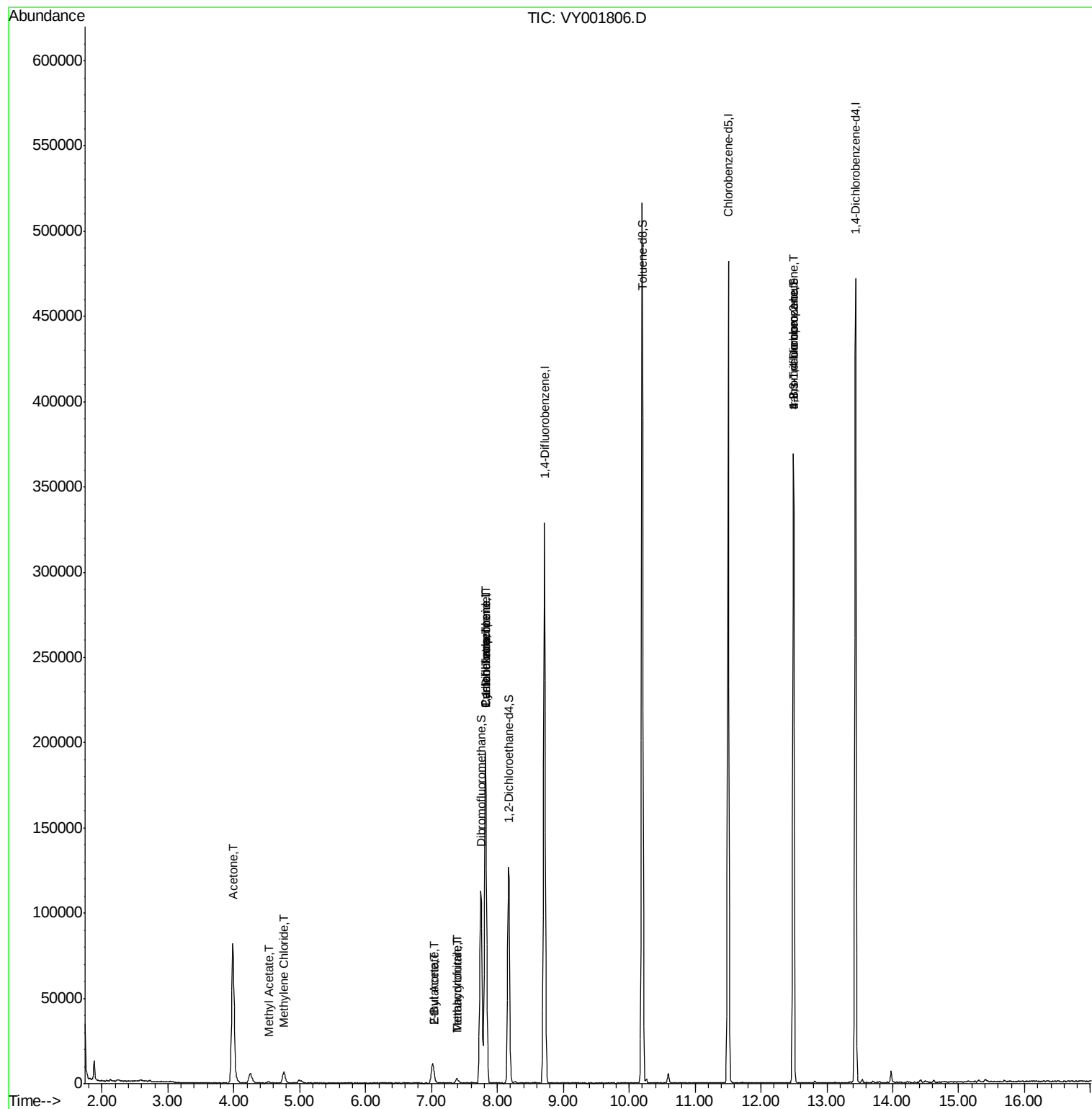
					Qvalue
11) Tert butyl alcohol	4.99	59	2027	Below Cal	99
16) Acetone	3.99	43	145510	264.227 ug/l	97
18) Methyl Acetate	4.52	43	2278	1.899 ug/l #	87
20) Methylene Chloride	4.76	84	5038	2.576 ug/l	88
25) 2-Butanone	7.04	43	2732	3.652 ug/l	97
29) Tetrahydrofuran	7.38	42	2223	4.916 ug/l	98
31) Cyclohexane	7.82	56	3394	1.015 ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12599	4.676 ug/l #	49
37) Ethyl Acetate	7.04	43	2732	1.699 ug/l #	82
38) Carbon Tetrachloride	7.82	117	15011	6.343 ug/l #	18
41) Methacrylonitrile	7.38	41	1368	1.694 ug/l #	97
76) 1,2,3-Trichloropropane	12.49	75	59021	45.573 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	59021	86.459 ug/l #	17

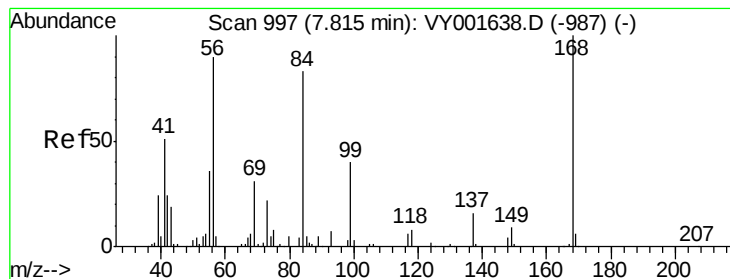
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
Data File : VY001806.D
Acq On : 28 Feb 2020 18:18
Operator : SY/MD
Sample : L1739-02
Misc : 4.80G/5ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-04-007-ABCD

Quant Time: Feb 28 22:33:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

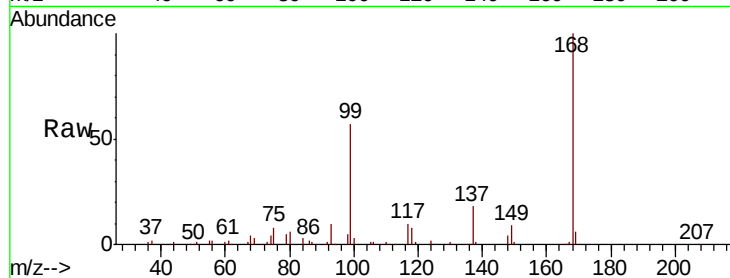
FK-BPM-04-007-ABCD

Tot Ion:168 Resp: 147964

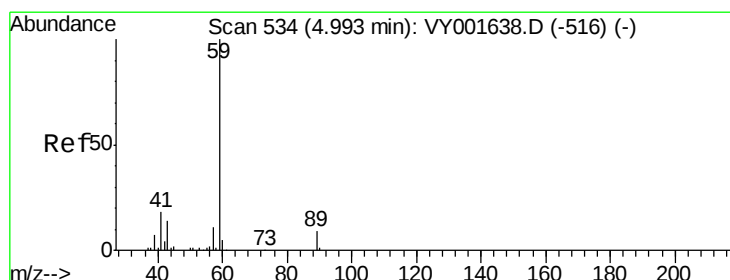
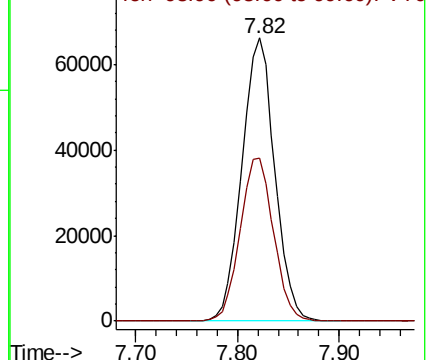
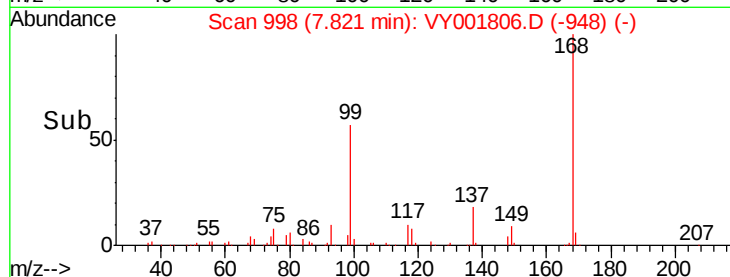
Ion Ratio Lower Upper

168 100

99 57.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001806.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001806.D

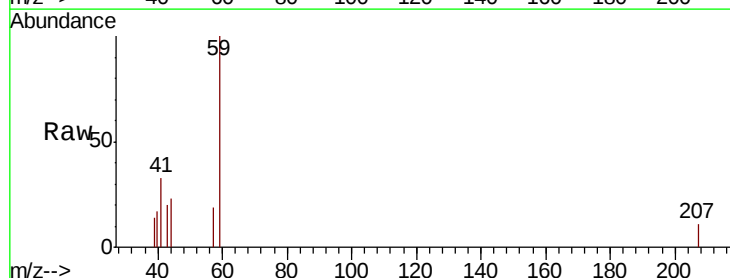
Acq: 28 Feb 2020 18:18

Tgt Ion: 59 Resp: 2027

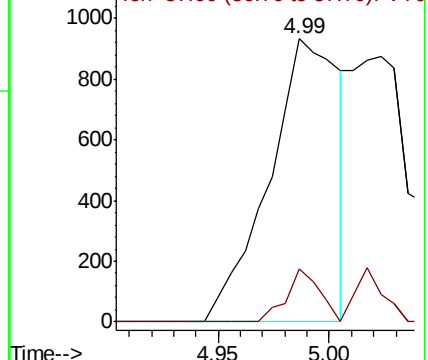
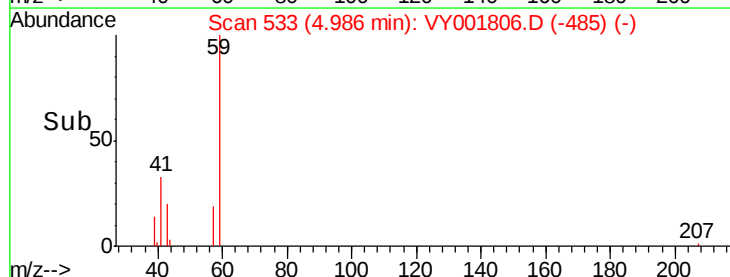
Ion Ratio Lower Upper

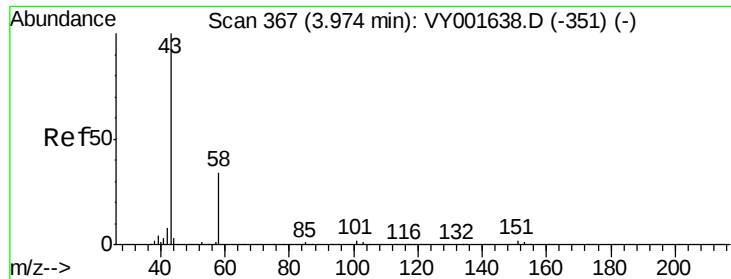
59 100

57 8.8 7.4 11.2



Abundance Ion 59.00 (58.70 to 59.70): VY001806.D (-485) (-)





#16

Acetone

Concen: 264.227 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

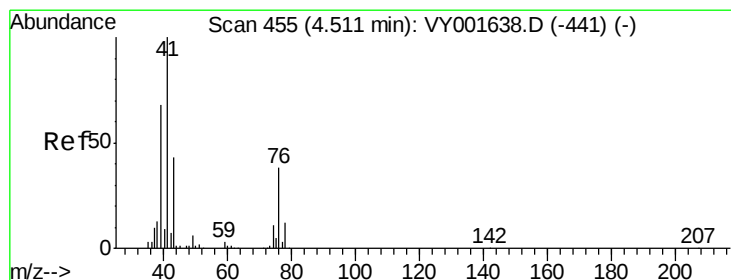
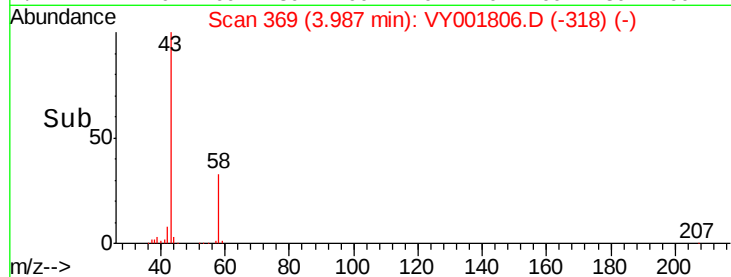
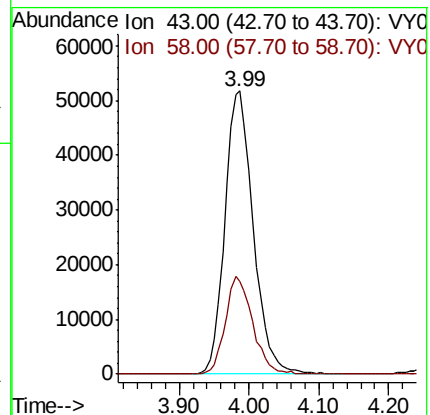
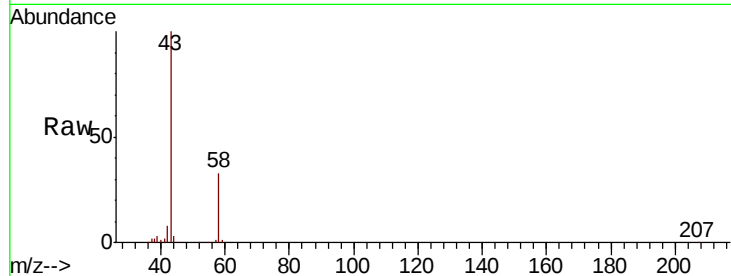
FK-BPM-04-007-ABCD

Tot Ion: 43 Resp: 145510

Ion Ratio Lower Upper

43 100

58 32.6 27.3 40.9



#18

Methyl Acetate

Concen: 1.899 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001806.D

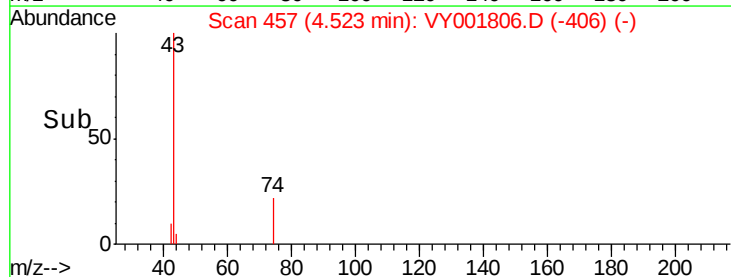
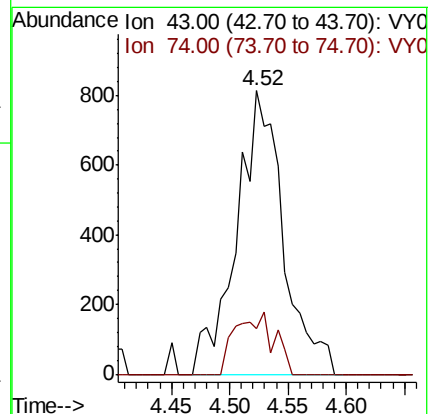
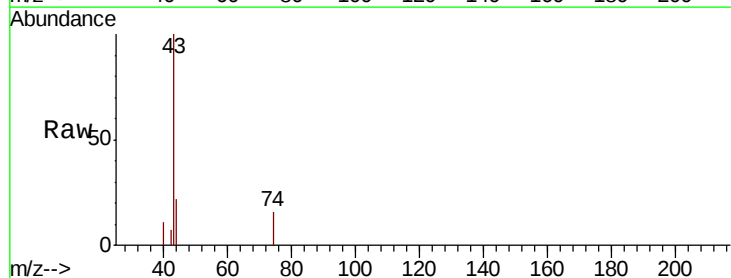
Acq: 28 Feb 2020 18:18

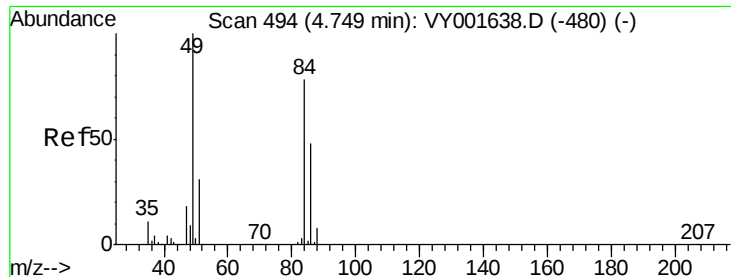
Tgt Ion: 43 Resp: 2278

Ion Ratio Lower Upper

43 100

74 17.7 19.1 28.7#

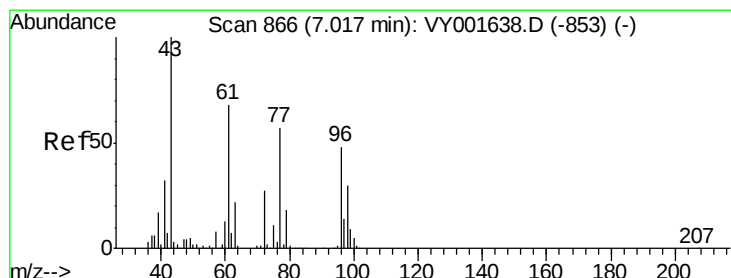
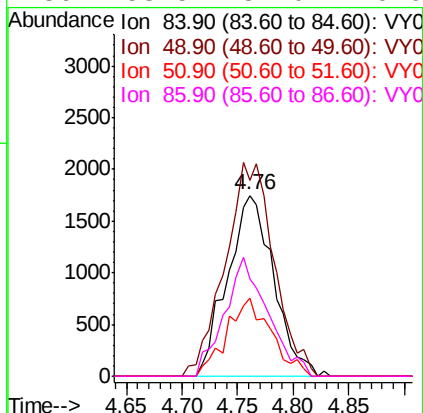
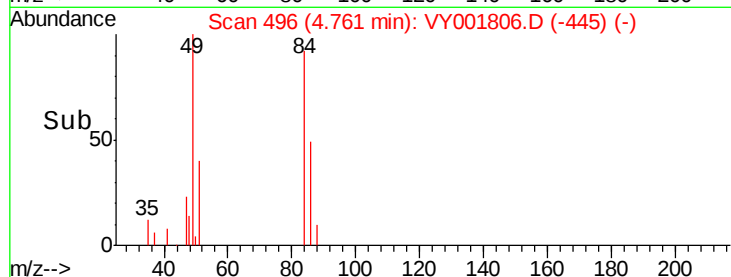
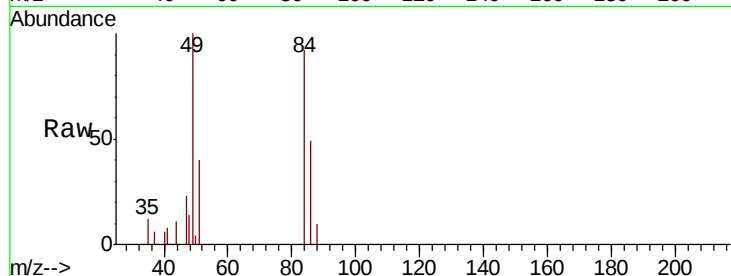




#20
Methylene Chloride
Concen: 2.576 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

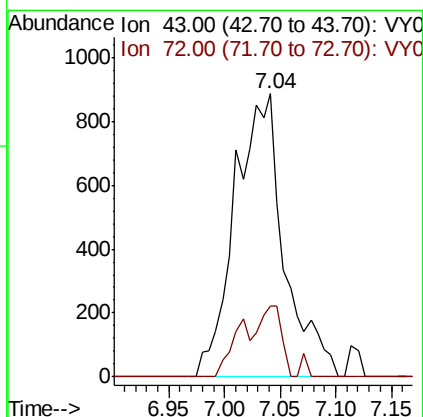
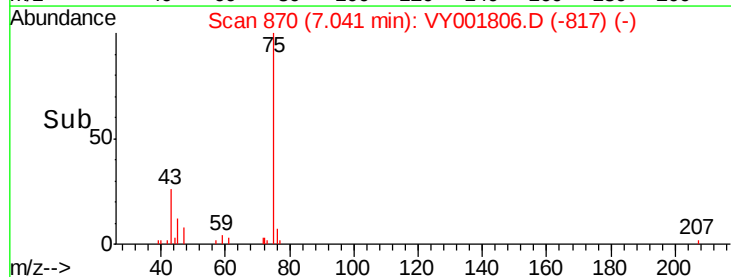
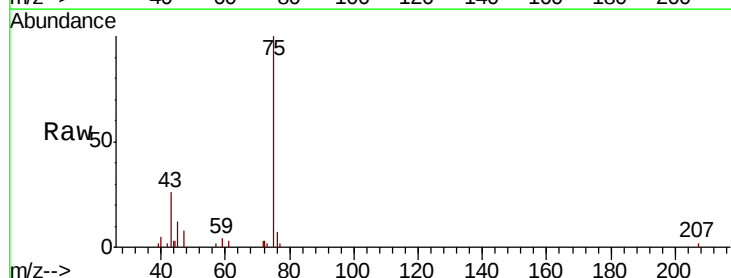
Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-04-007-ABCD

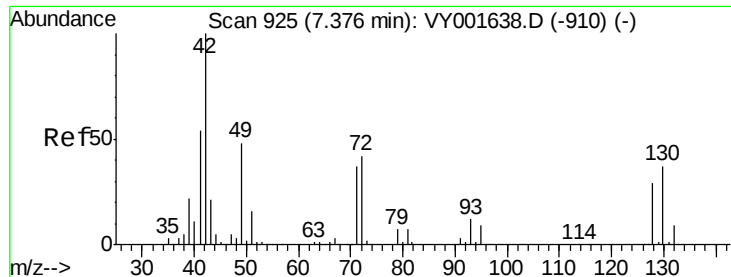
Tot Ion:	84	Resp:	5038
Ion	Ratio	Lower	Upper
84	100		
49	108.1	99.2	148.8
51	43.4	31.5	47.3
86	53.5	51.0	76.6



#25
2-Butanone
Concen: 3.652 ug/l
RT: 7.04 min Scan# 870
Delta R.T. 0.02 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

Tgt Ion:	43	Resp:	2732
Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.2	31.8

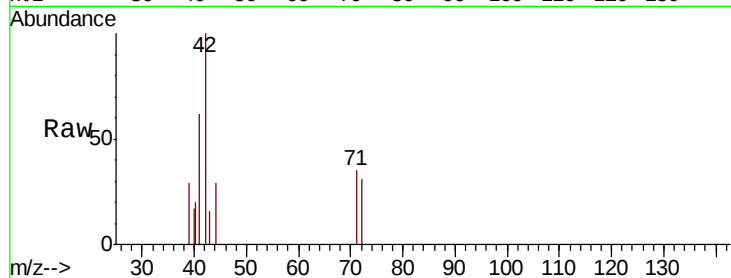




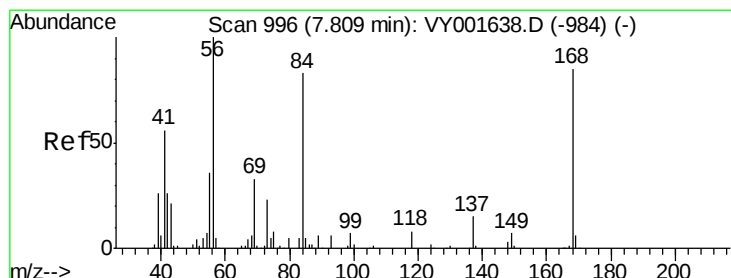
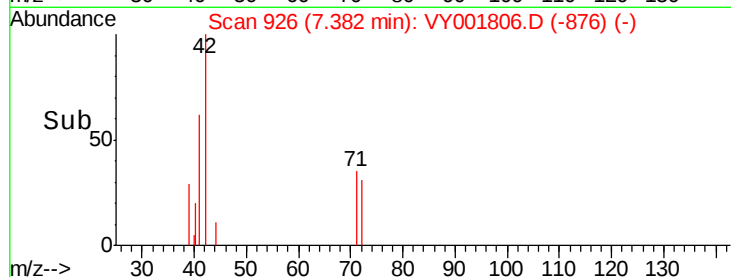
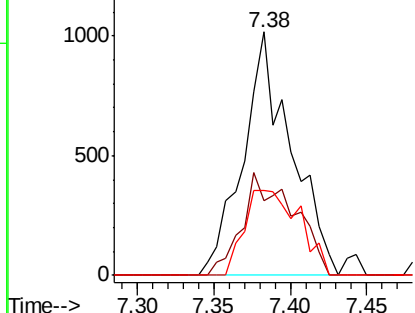
#29
Tetrahydrofuran
Concen: 4.916 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-04-007-ABCD

Tot Ion: 42 Resp: 2223
Ion Ratio Lower Upper
42 100
72 45.2 34.4 51.6
71 40.0 31.8 47.8

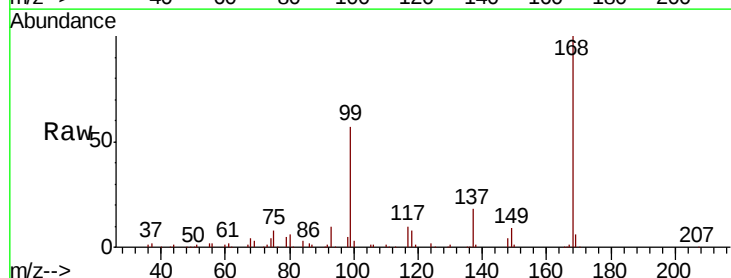


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

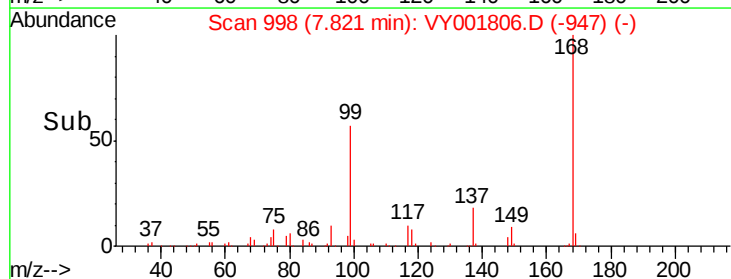
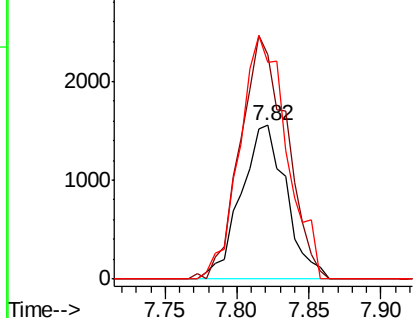


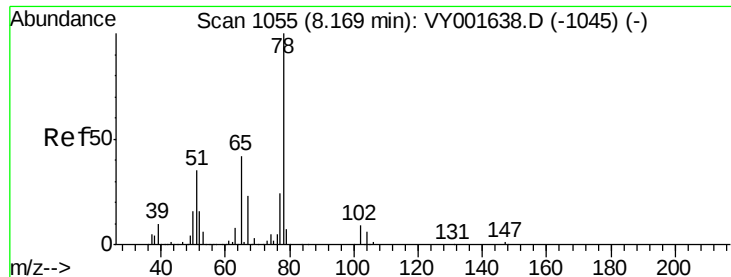
#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

Tgt Ion: 56 Resp: 3394
Ion Ratio Lower Upper
56 100
69 145.8 25.1 37.7#
84 141.5 66.9 100.3#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

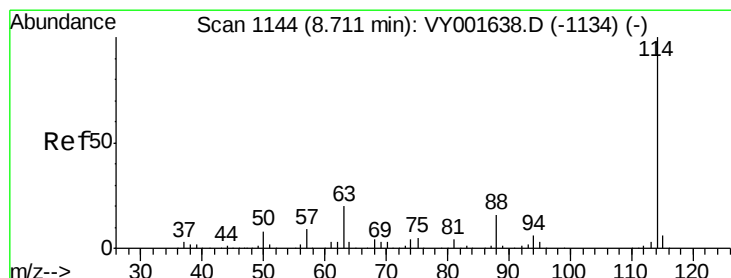
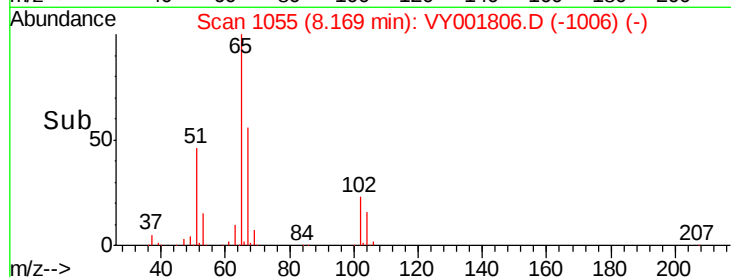
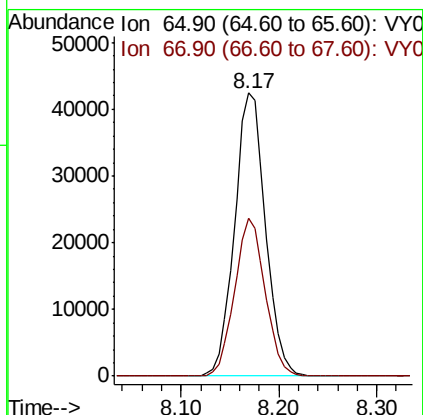
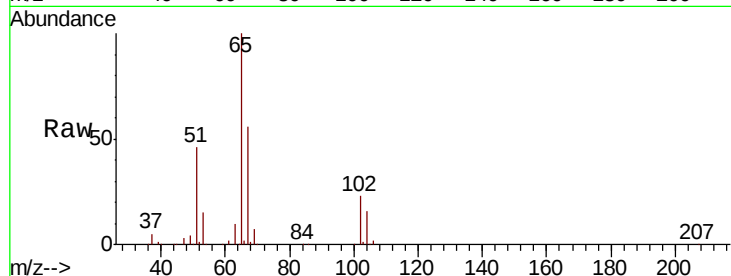




#33
 1,2-Dichloroethane-d4
 Concen: 58.309 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001806.D
 Acq: 28 Feb 2020 18:18

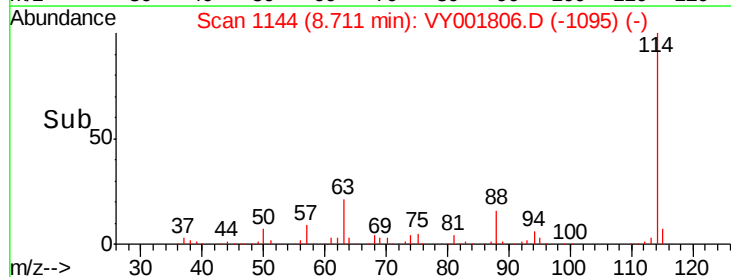
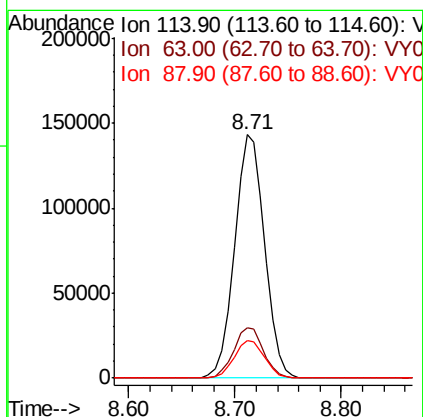
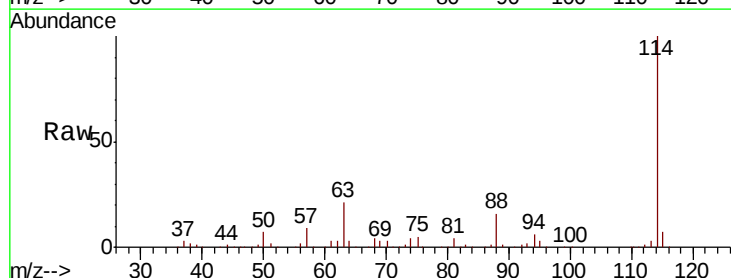
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-04-007-ABCD

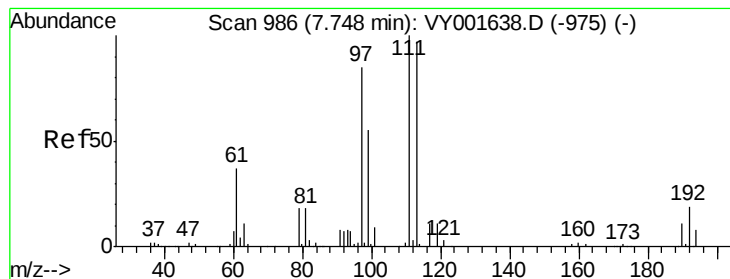
Tot Ion: 65 Resp: 92803
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001806.D
 Acq: 28 Feb 2020 18:18

Tgt Ion: 114 Resp: 282085
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.4
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.376 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-04-007-ABCD

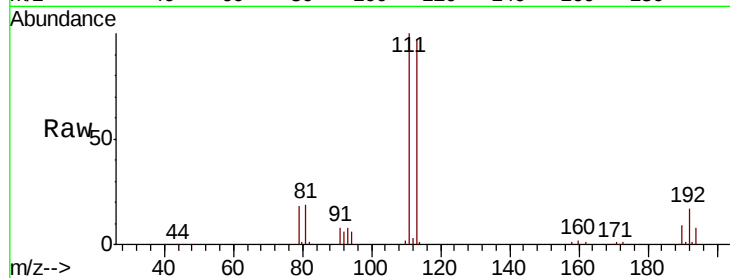
Tot Ion:113 Resp: 83006

Ion Ratio Lower Upper

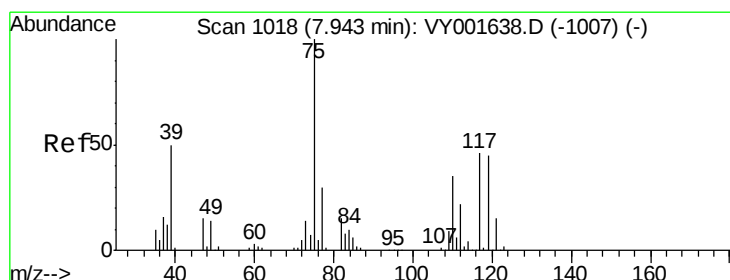
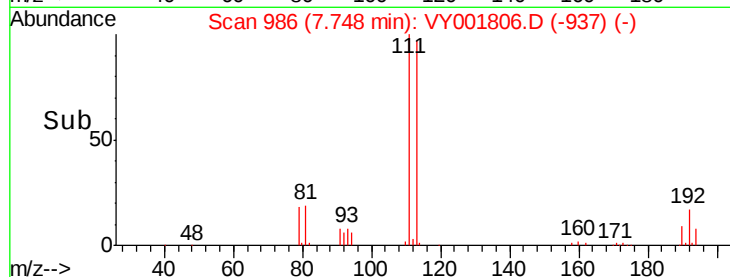
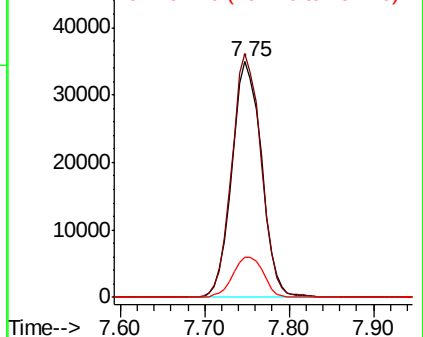
113 100

111 102.2 81.9 122.9

192 17.5 14.3 21.5



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: 4.676 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

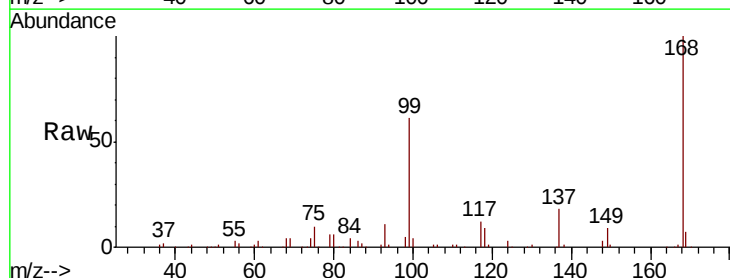
Tgt Ion: 75 Resp: 12599

Ion Ratio Lower Upper

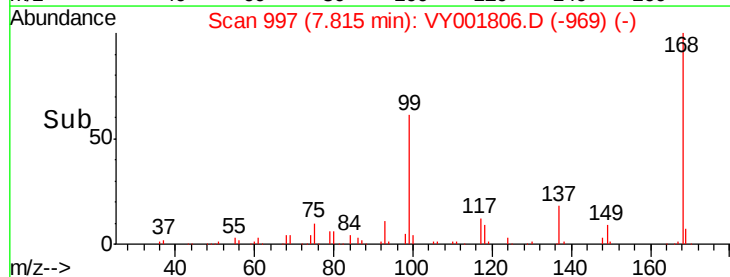
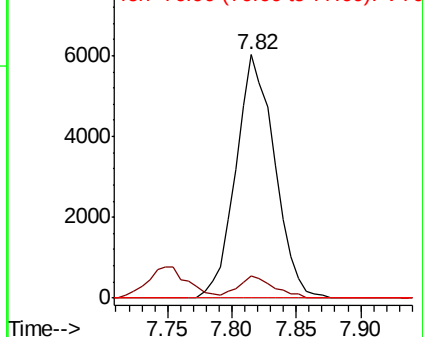
75 100

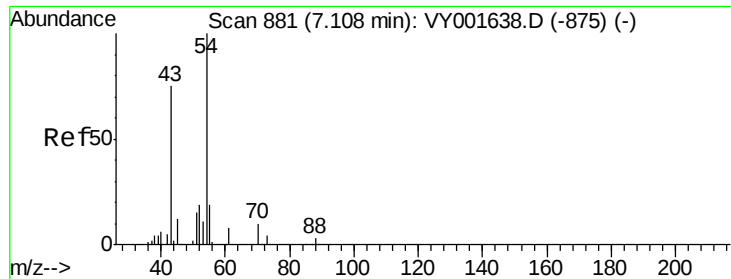
110 8.3 17.2 51.6#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

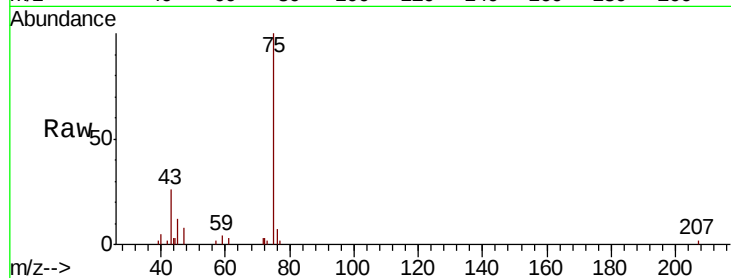




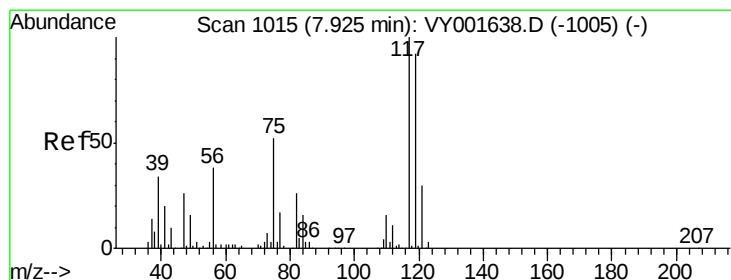
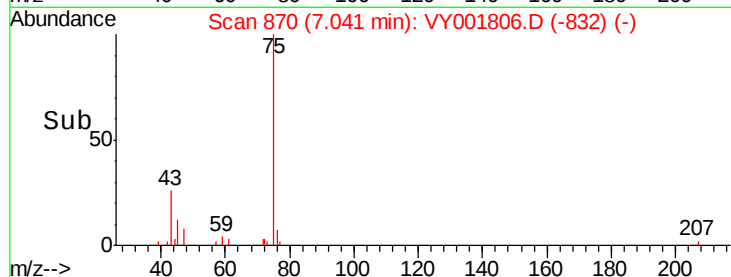
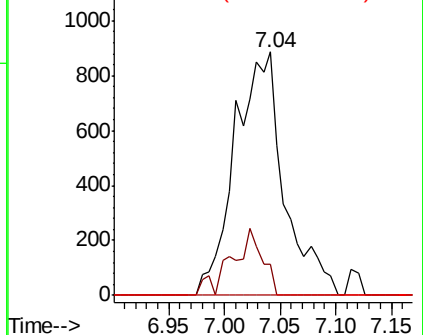
#37
Ethyl Acetate
Concen: 1.699 ug/l
RT: 7.04 min Scan# 870
Delta R.T. -0.07 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-04-007-ABCD

Tot Ion: 43 Resp: 2732
Ion Ratio Lower Upper
43 100
61 17.5 11.0 16.6#
70 0.0 8.8 13.2#

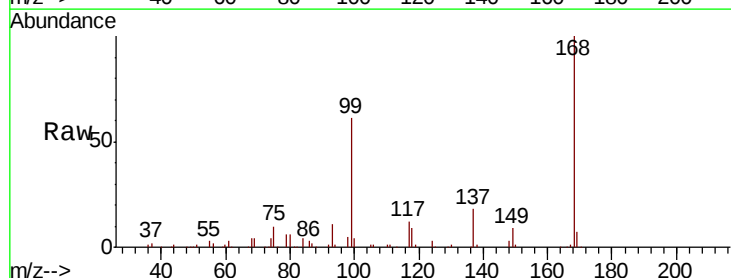


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

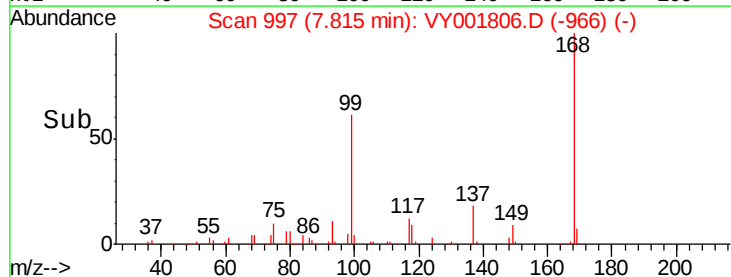
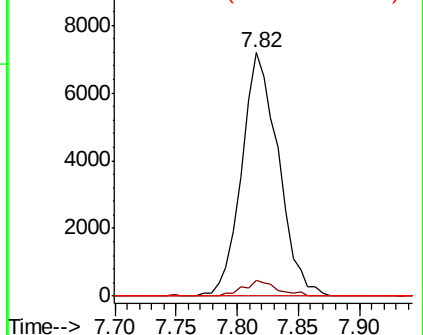


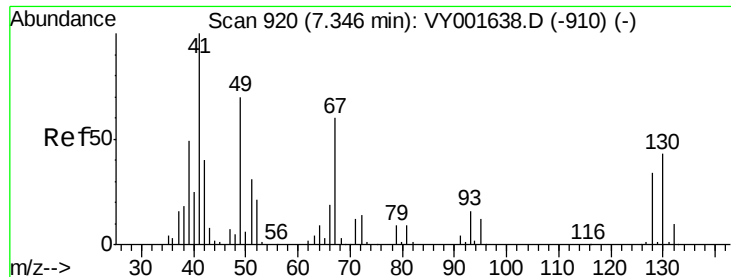
#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

Tgt Ion: 117 Resp: 15011
Ion Ratio Lower Upper
117 100
119 6.3 74.8 112.2#
121 0.0 23.8 35.6#



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





#41

Methacrylonitrile

Concen: 1.694 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.04 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-04-007-ABCD

Tot Ion: 41 Resp: 1368

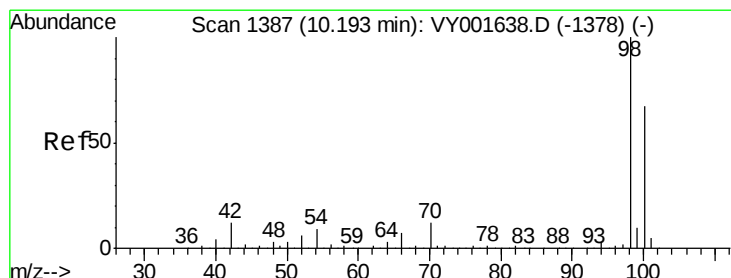
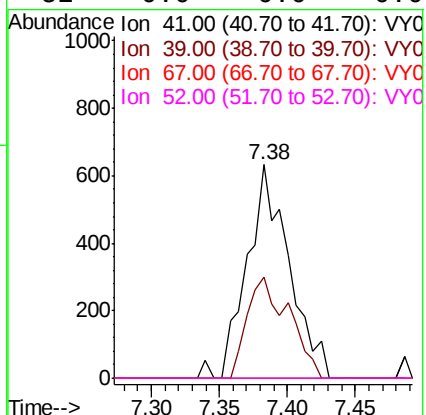
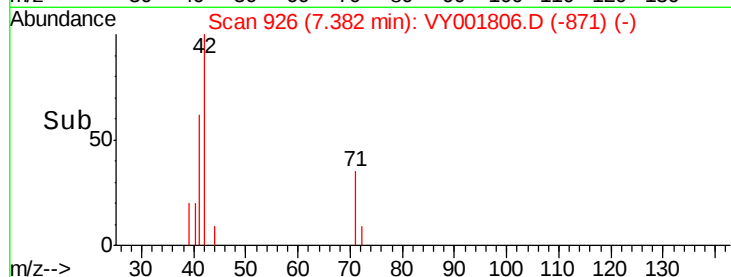
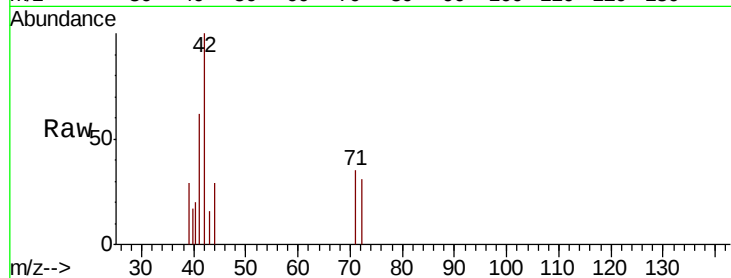
Ion Ratio Lower Upper

41 100

39 47.1 36.0 54.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



#50

Toluene-d8

Concen: 53.432 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001806.D

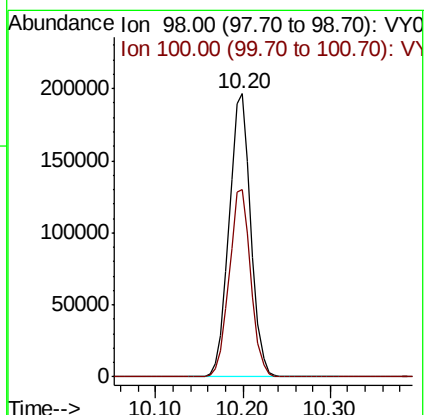
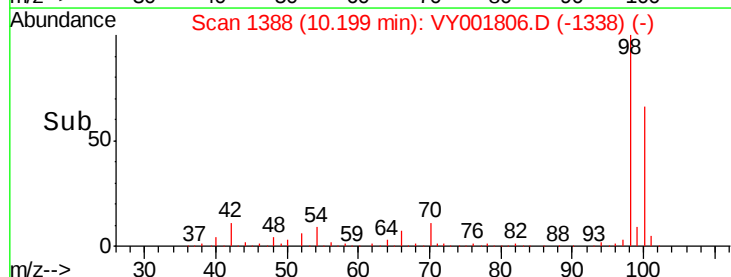
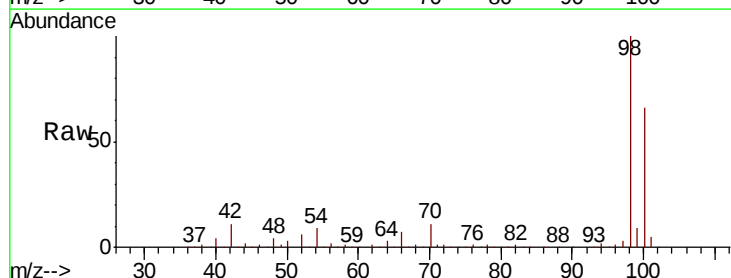
Acq: 28 Feb 2020 18:18

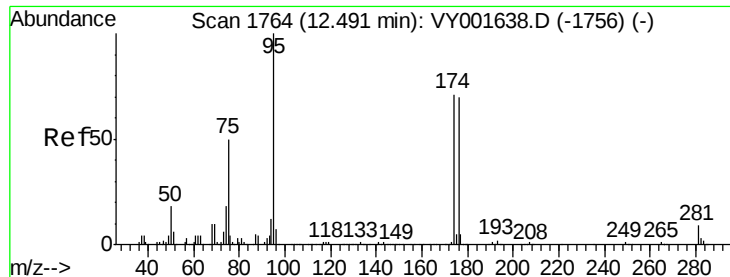
Tgt Ion: 98 Resp: 338204

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4

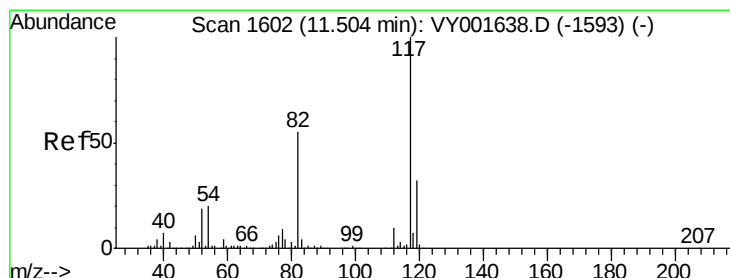
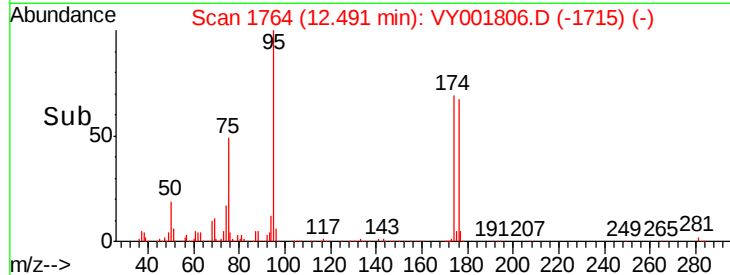
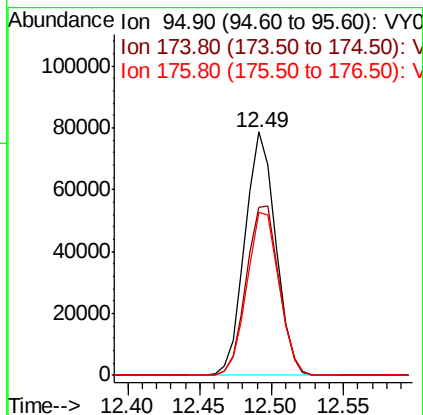
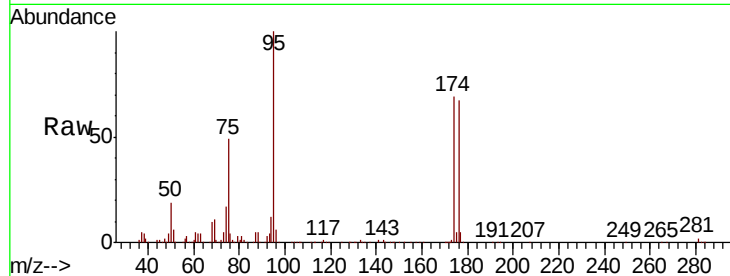




#62
4-Bromofluorobenzene
Concen: 47.317 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

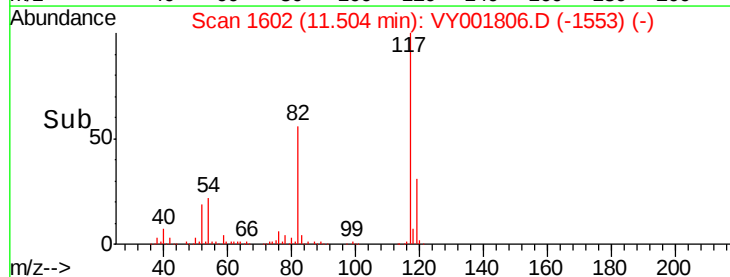
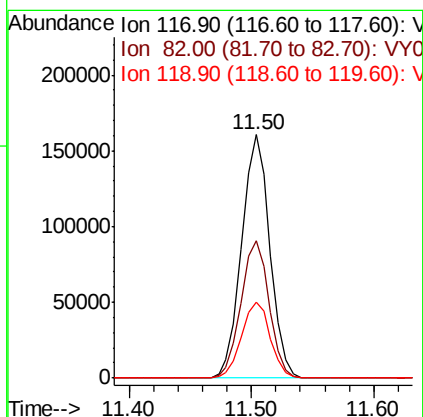
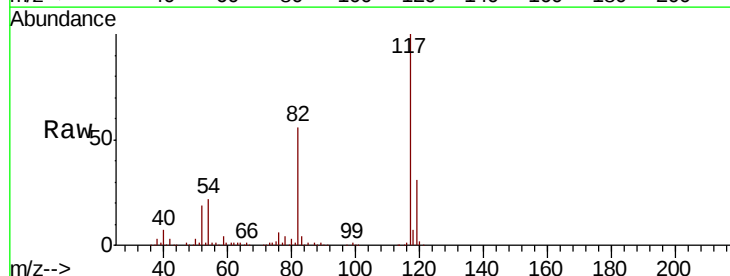
Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-04-007-ABCD

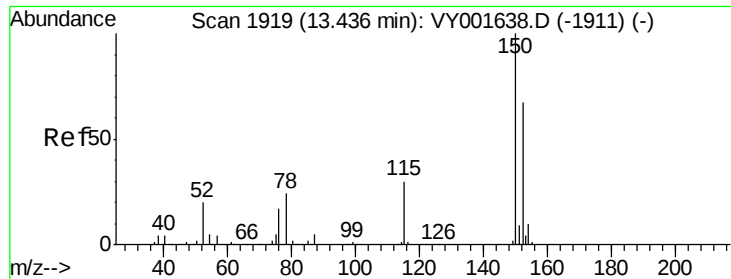
Tot Ion: 95 Resp: 116354
Ion Ratio Lower Upper
95 100
174 73.7 0.0 138.4
176 70.0 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001806.D
Acq: 28 Feb 2020 18:18

Tgt Ion: 117 Resp: 256072
Ion Ratio Lower Upper
117 100
82 56.3 45.5 68.3
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-04-007-ABCD

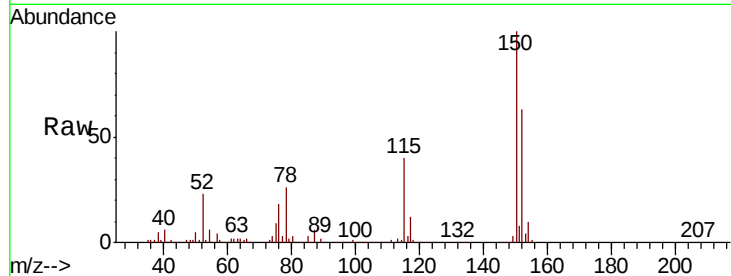
Tot Ion:152 Resp: 112899

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

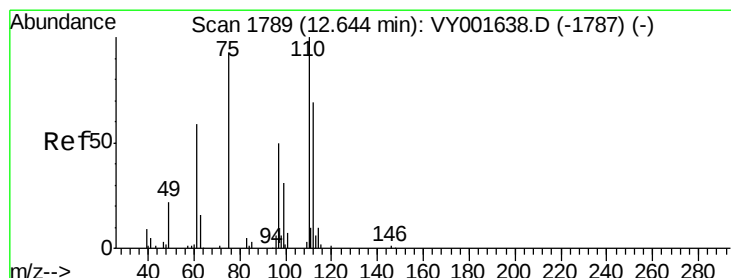
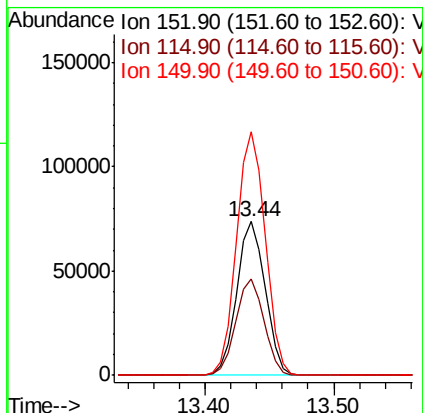
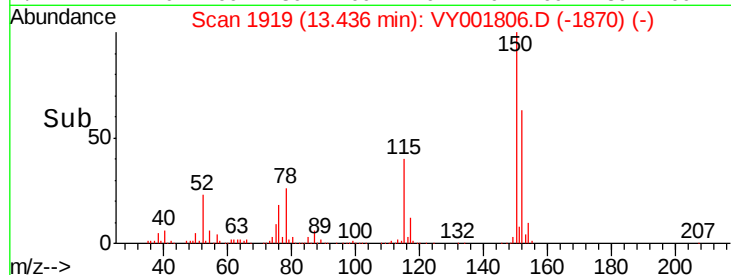
150 159.5 0.0 407.2



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: 45.573 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001806.D

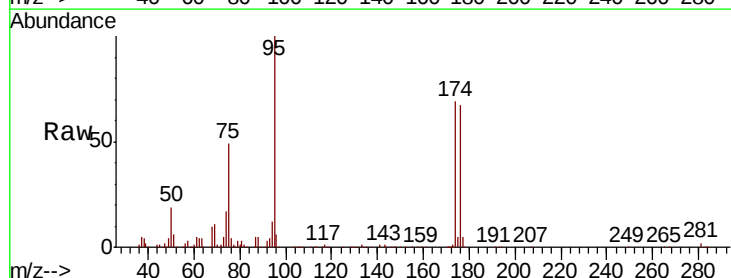
Acq: 28 Feb 2020 18:18

Tgt Ion: 75 Resp: 59021

Ion Ratio Lower Upper

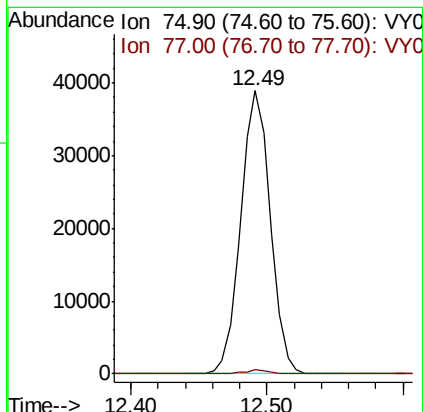
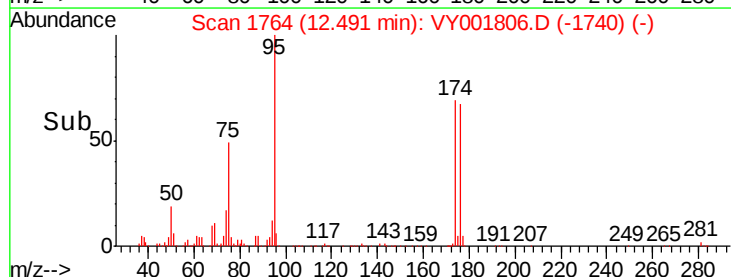
75 100

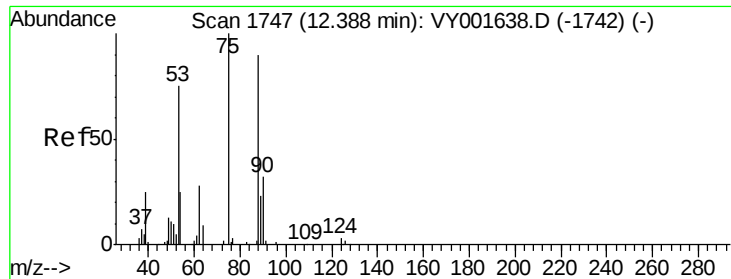
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 86.459 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001806.D

Acq: 28 Feb 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-04-007-ABCD

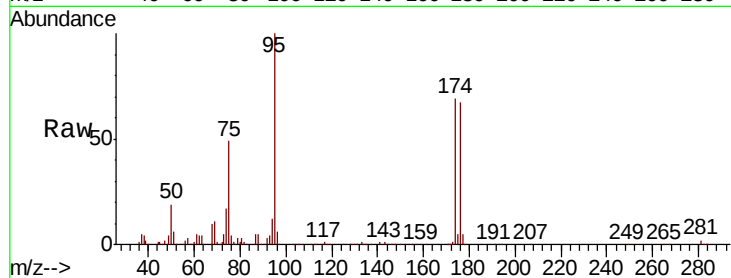
Tot Ion: 75 Resp: 59021

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

