

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001805.D
 Acq On : 28 Feb 2020 17:55
 Operator : SY/MD
 Sample : L1738-02
 Misc : 3.55G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-01-G0-G1-G0A-G1A

Quant Time: Feb 28 22:33:25 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	143321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	275232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	91215	59.17	ug/l	0.00
Spiked Amount			Recovery	=	118.34%	
35) Dibromofluoromethane	7.75	113	81091	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
50) Toluene-d8	10.20	98	335994	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.49	95	114692	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

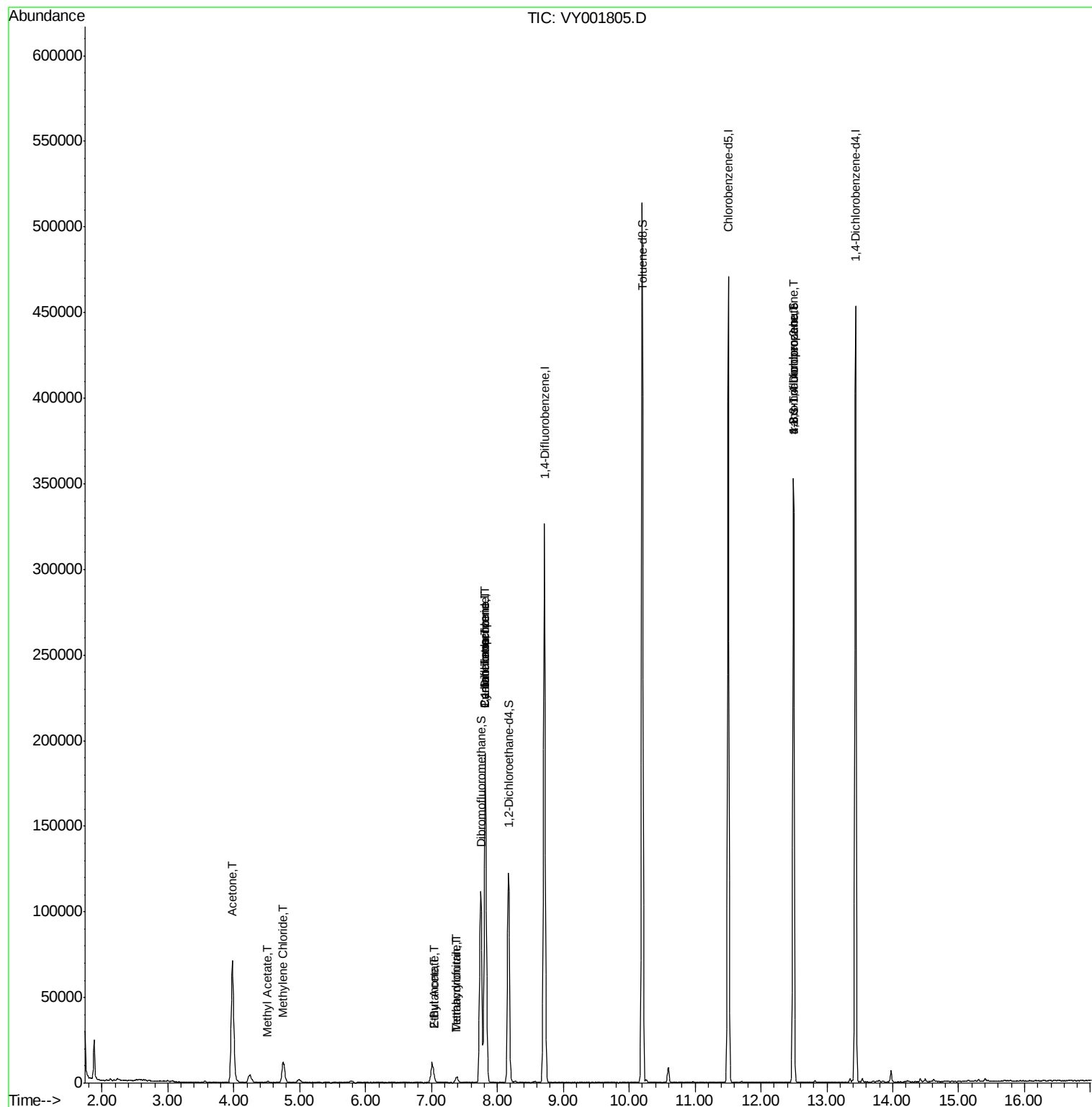
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	3691	Below Cal		97
16) Acetone	3.98	43	124948	234.239	ug/l	99
18) Methyl Acetate	4.51	43	1599	1.376	ug/l #	78
20) Methylene Chloride	4.75	84	8868	4.680	ug/l	96
25) 2-Butanone	7.04	43	1589	2.193	ug/l #	89
29) Tetrahydrofuran	7.38	42	3006	6.863	ug/l	96
31) Cyclohexane	7.82	56	3351	1.035	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12278	4.670	ug/l #	48
37) Ethyl Acetate	7.04	43	1589	1.013	ug/l #	72
38) Carbon Tetrachloride	7.82	117	14920	6.461	ug/l #	17
41) Methacrylonitrile	7.38	41	1629	2.068	ug/l #	91
76) 1,2,3-Trichloropropane	12.49	75	57988	45.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57988	85.690	ug/l #	17

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

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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# 997

Delta R.T. 0.00 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

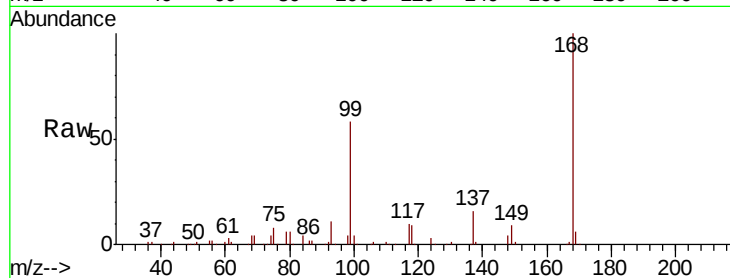
FK-BPM-01-G0-G1-G0A-G1A

Tot Ion:168 Resp: 143321

Ion Ratio Lower Upper

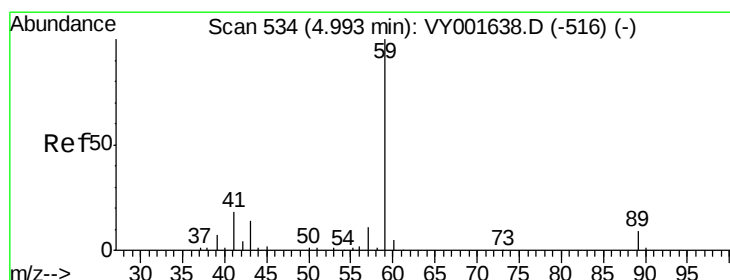
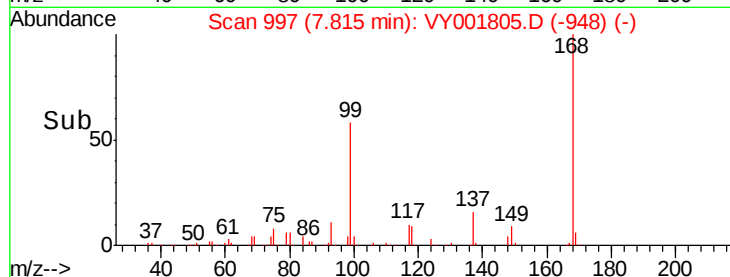
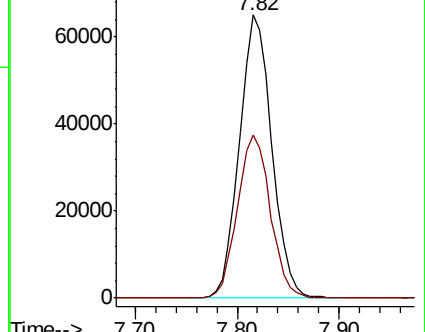
168 100

99 57.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001805.D

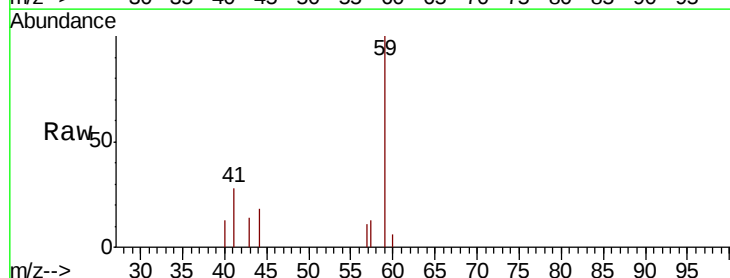
Acq: 28 Feb 2020 17:55

Tgt Ion: 59 Resp: 3691

Ion Ratio Lower Upper

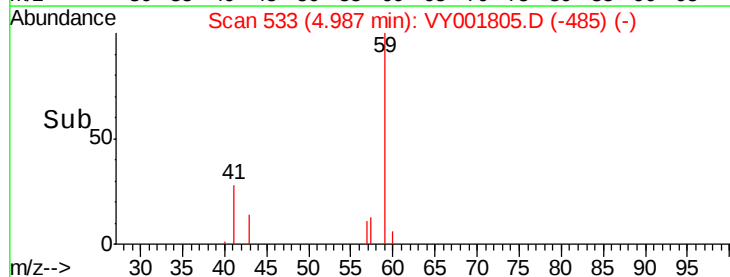
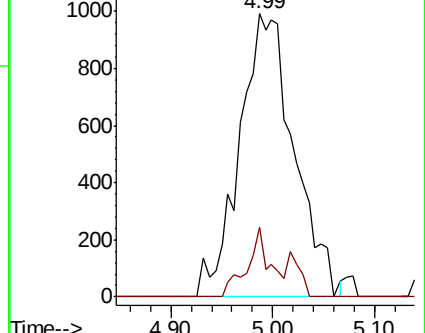
59 100

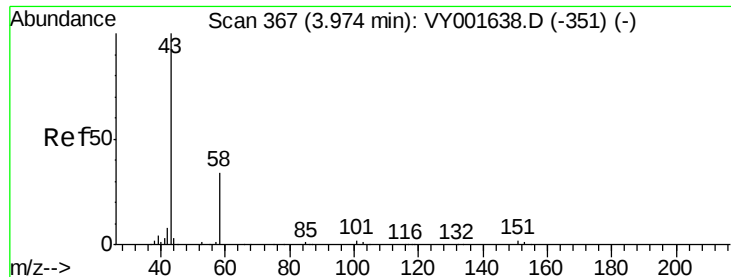
57 10.2 7.4 11.2



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)





#16

Acetone

Concen: 234.239 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

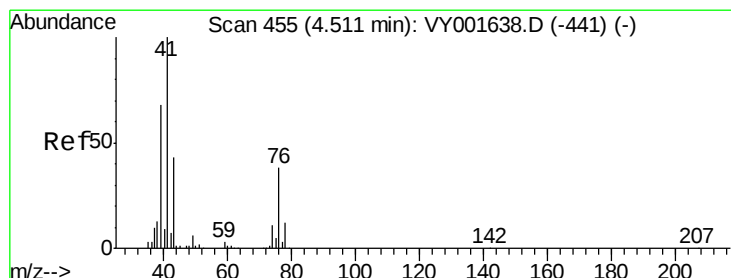
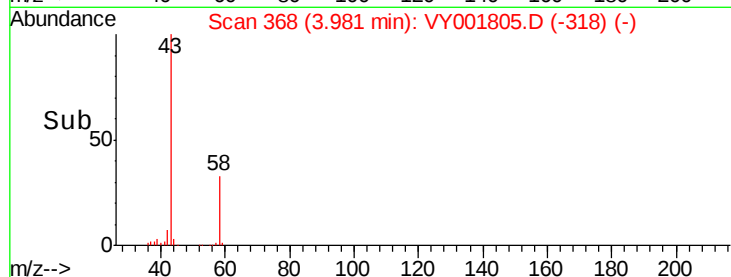
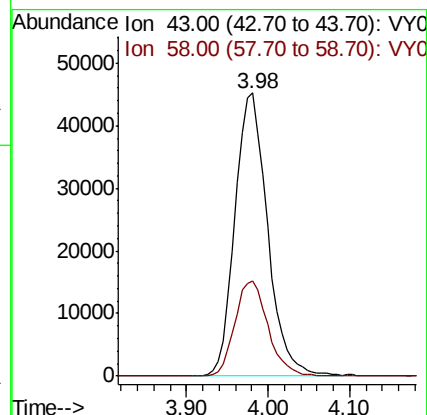
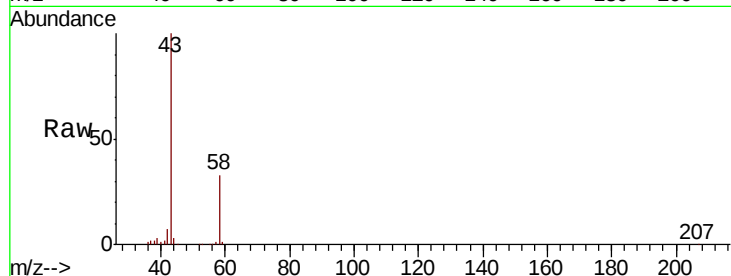
FK-BPM-01-G0-G1-G0A-G1A

Tot Ion: 43 Resp: 124948

Ion Ratio Lower Upper

43 100

58 33.5 27.3 40.9



#18

Methyl Acetate

Concen: 1.376 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001805.D

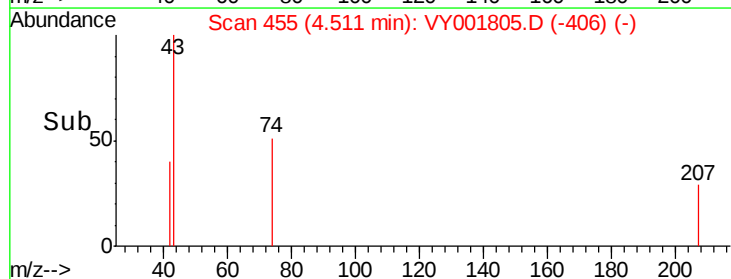
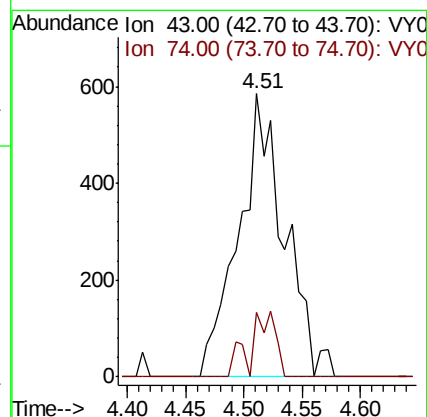
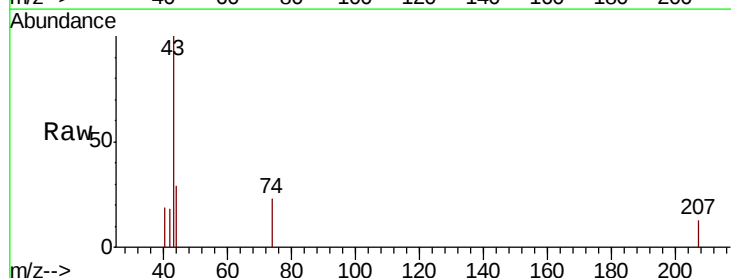
Acq: 28 Feb 2020 17:55

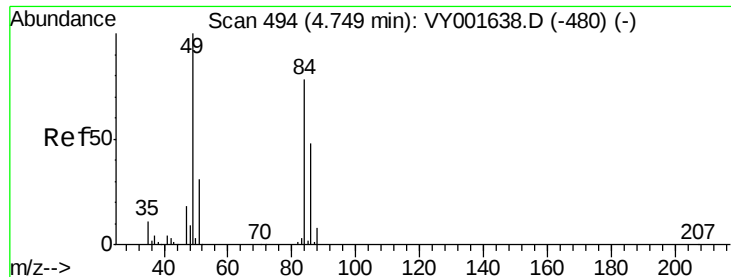
Tgt Ion: 43 Resp: 1599

Ion Ratio Lower Upper

43 100

74 12.9 19.1 28.7#





#20

Methvlene Chloride

Concen: 4.680 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-G0-G1-G0A-G1A

Tot Ion: 84 Resp: 8868

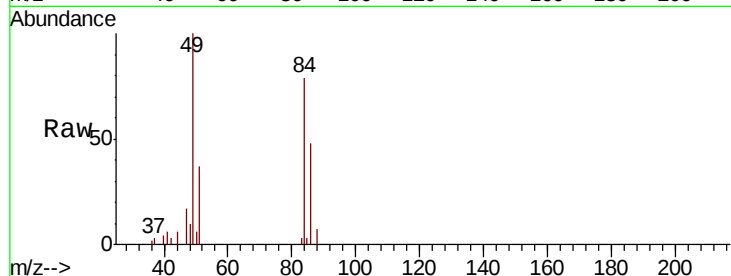
Ion Ratio Lower Upper

84 100

49 127.0 99.2 148.8

51 46.9 31.5 47.3

86 61.5 51.0 76.6

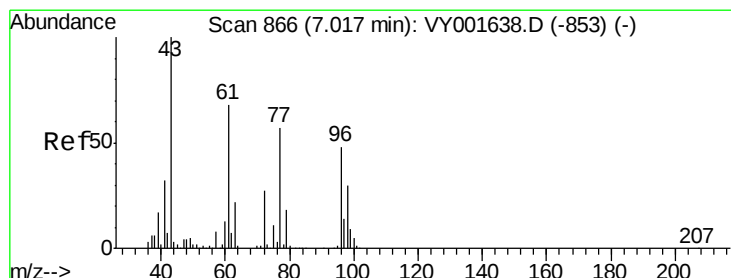
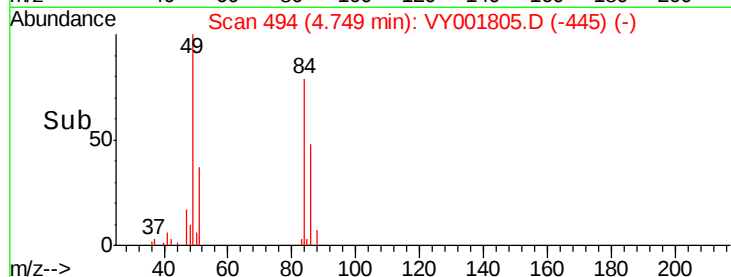
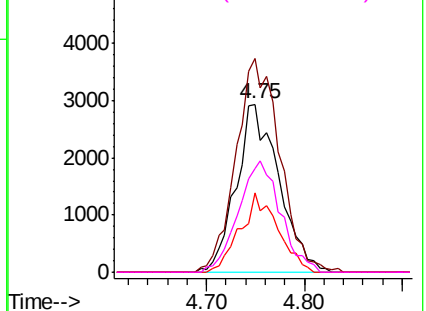


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25

2-Butanone

Concen: 2.193 ug/l

RT: 7.04 min Scan# 870

Delta R.T. 0.02 min

Lab File: VY001805.D

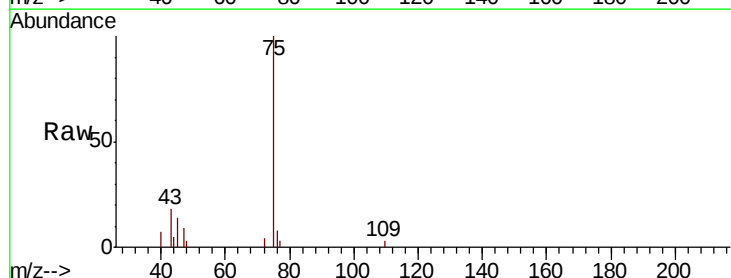
Acq: 28 Feb 2020 17:55

Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

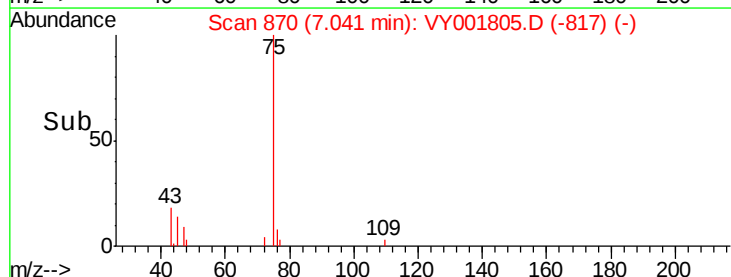
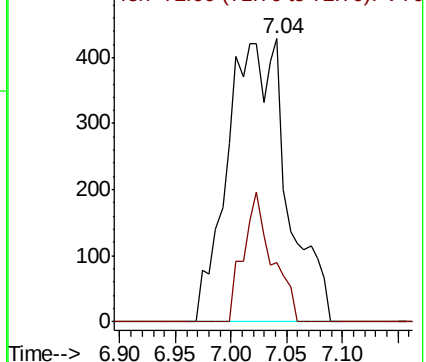
43 100

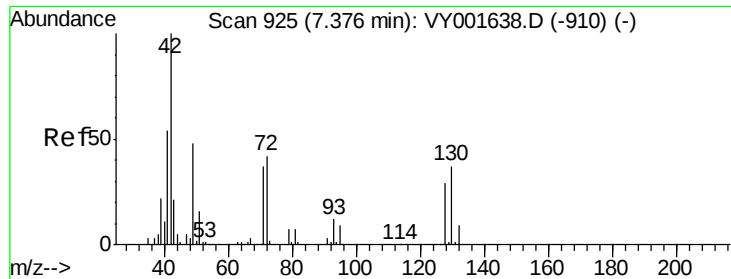
72 20.8 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

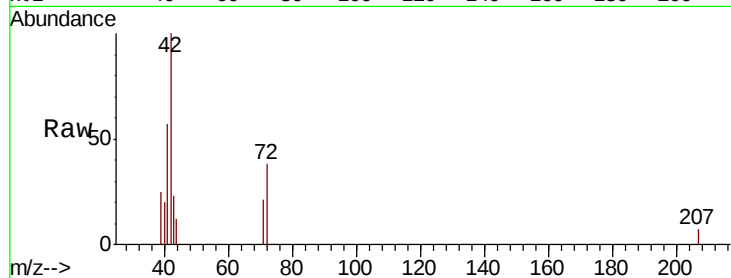




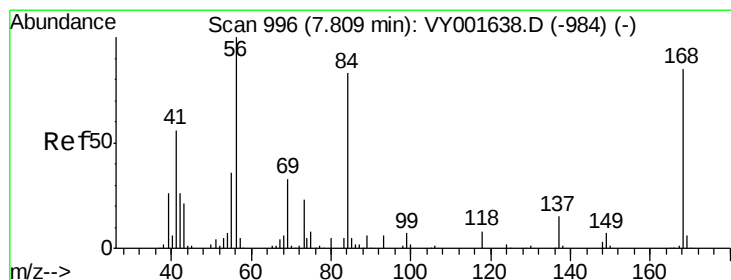
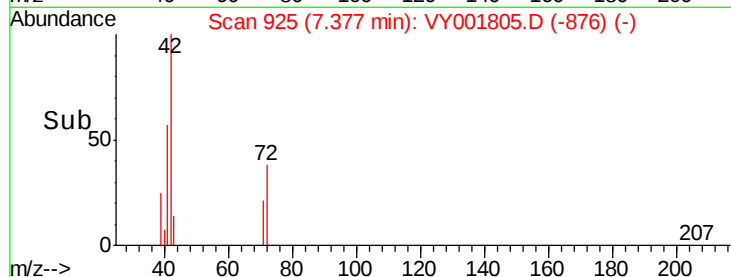
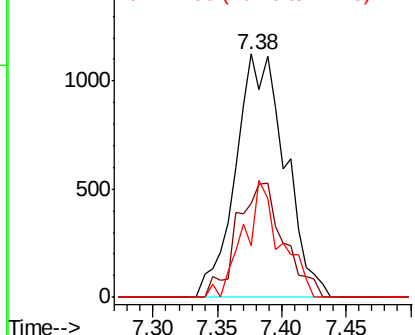
#29
Tetrahydrofuran
Concen: 6.863 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001805.D
Acq: 28 Feb 2020 17:55

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-01-G0-G1-G0A-G1A

Tot Ion: 42 Resp: 3006
Ion Ratio Lower Upper
42 100
72 44.1 34.4 51.6
71 35.4 31.8 47.8

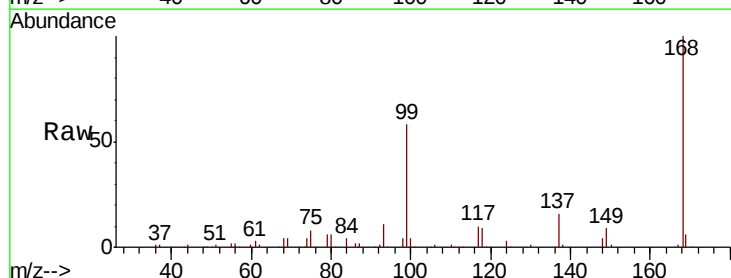


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

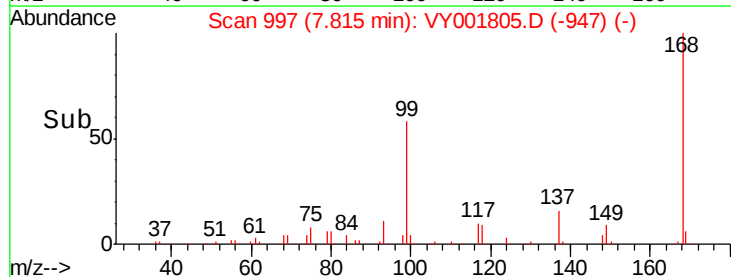
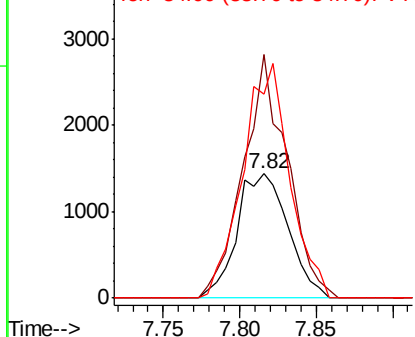


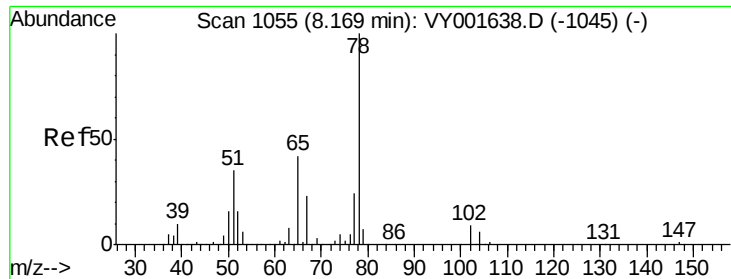
#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001805.D
Acq: 28 Feb 2020 17:55

Tgt Ion: 56 Resp: 3351
Ion Ratio Lower Upper
56 100
69 196.3 25.1 37.7#
84 164.6 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

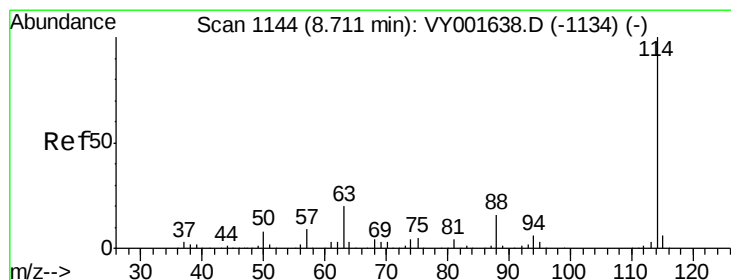
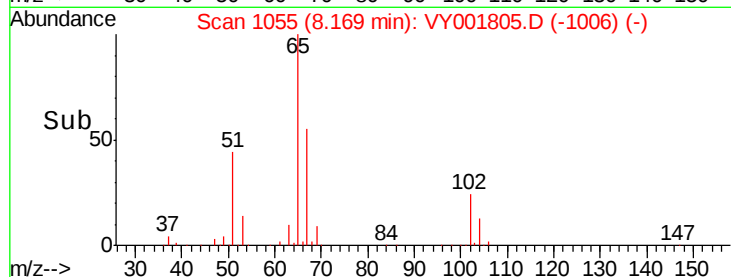
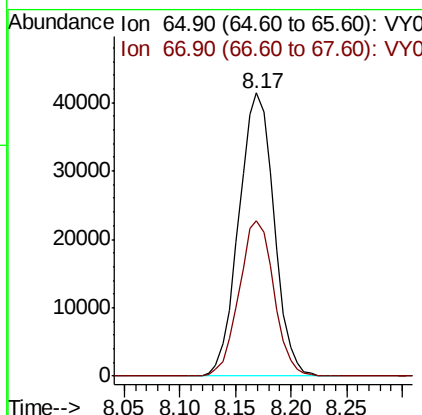
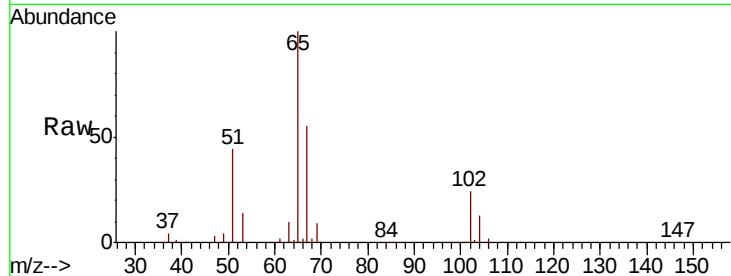




#33
 1,2-Dichloroethane-d4
 Concen: 59.168 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001805.D
 Acq: 28 Feb 2020 17:55

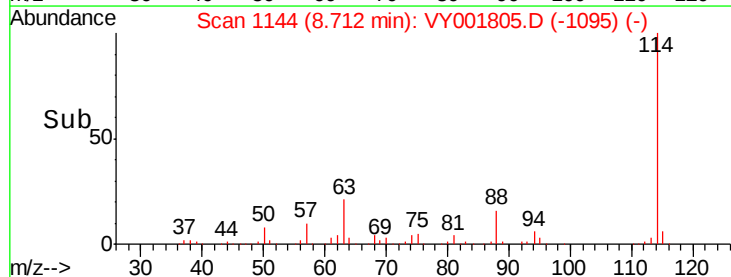
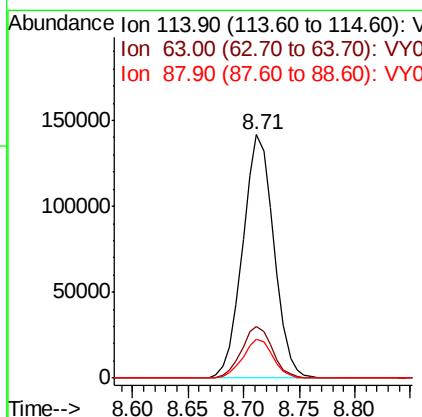
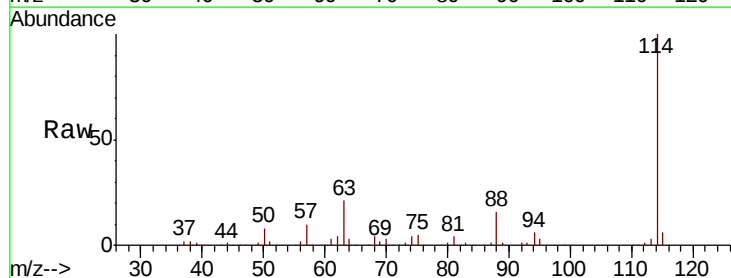
Instrument :
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 FK-BPM-01-G0-G1-G0A-G1A

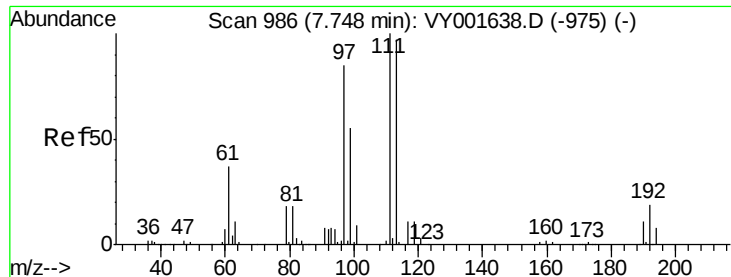
Tot Ion: 65 Resp: 91215
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001805.D
 Acq: 28 Feb 2020 17:55

Tgt Ion: 114 Resp: 275232
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.4
 88 16.2 0.0 32.8

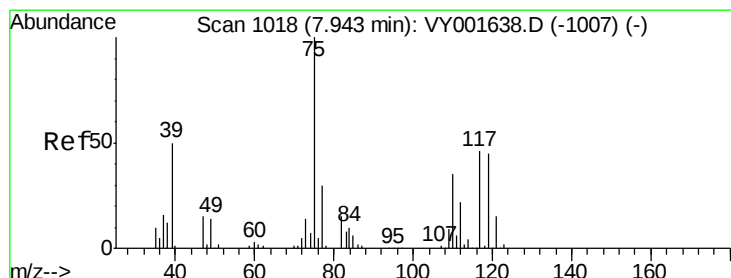
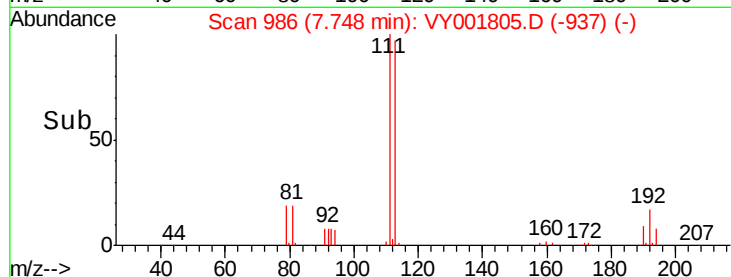
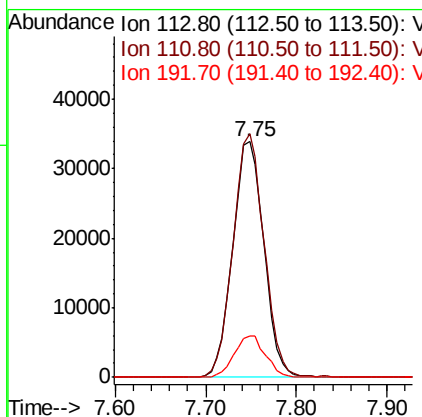
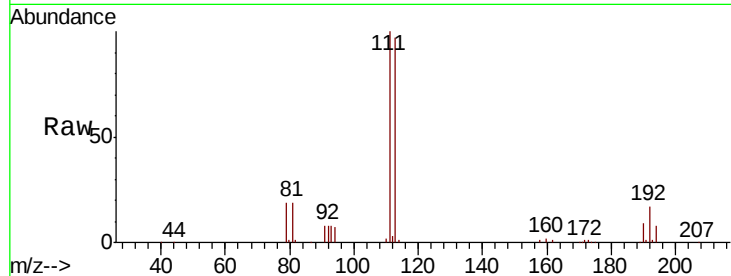




#35
 Dibromofluoromethane
 Concen: 51.440 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001805.D
 Acq: 28 Feb 2020 17:55

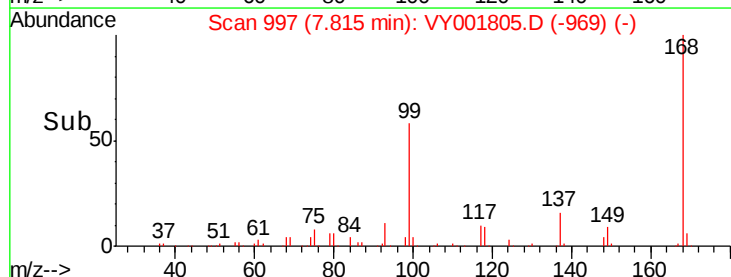
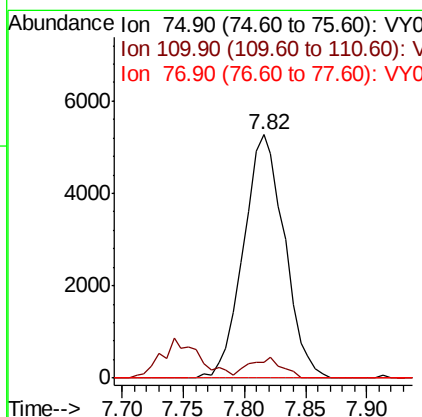
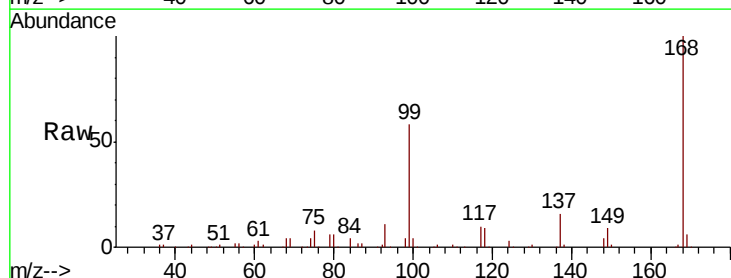
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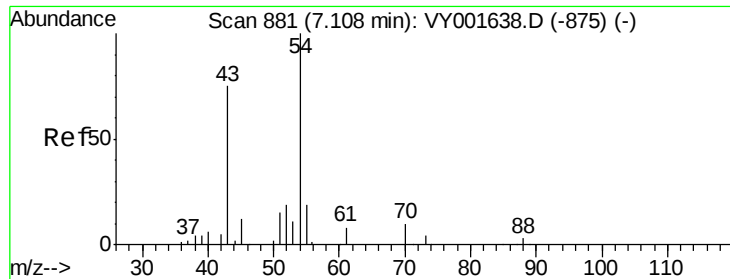
Tot Ion:113 Resp: 81091
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 17.7 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.670 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001805.D
 Acq: 28 Feb 2020 17:55

Tgt Ion: 75 Resp: 12278
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.2 51.6#
 77 0.0 24.8 37.2#

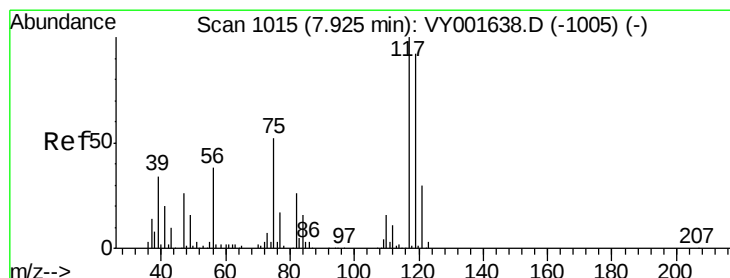
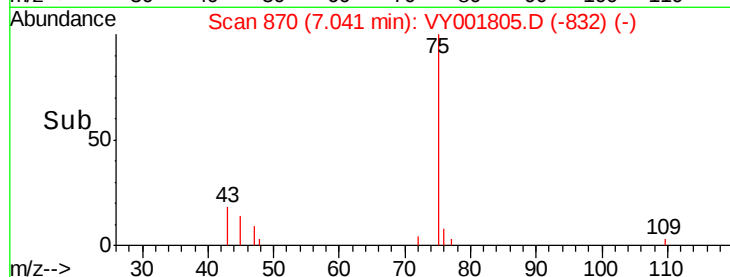
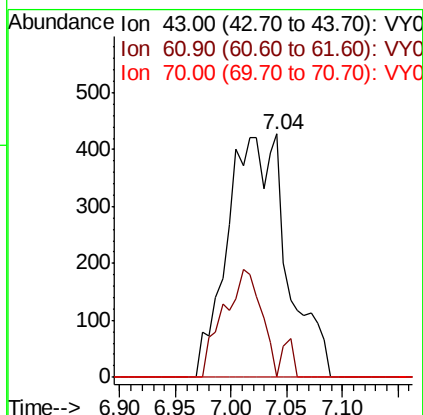
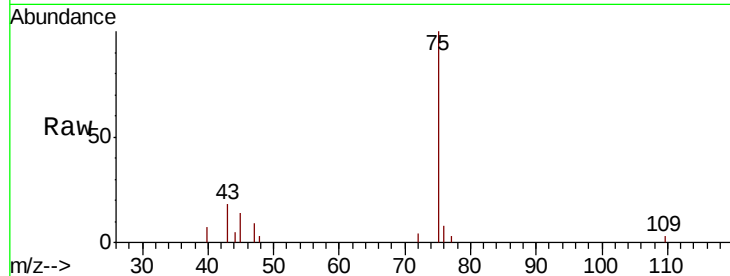




#37
Ethyl Acetate
Concen: 1.013 ug/l
RT: 7.04 min Scan# 870
Delta R.T. -0.07 min
Lab File: VY001805.D
Acq: 28 Feb 2020 17:55

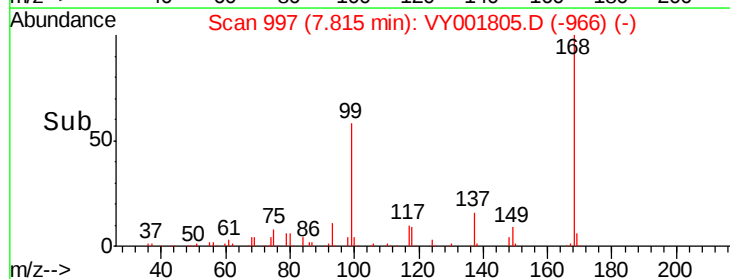
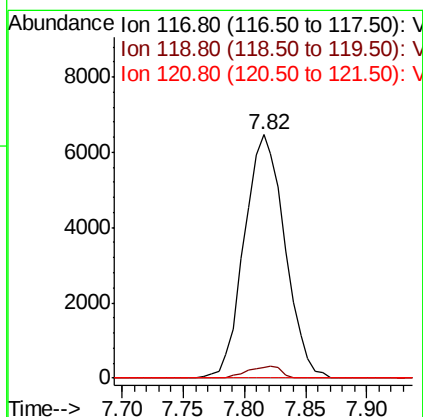
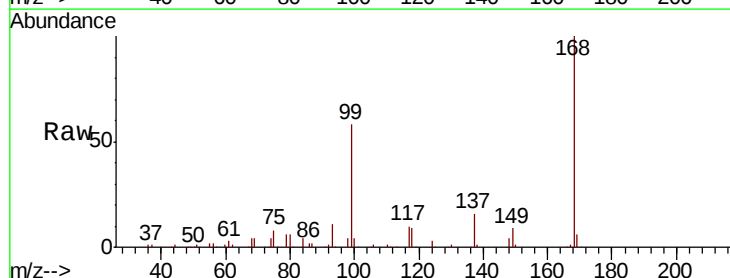
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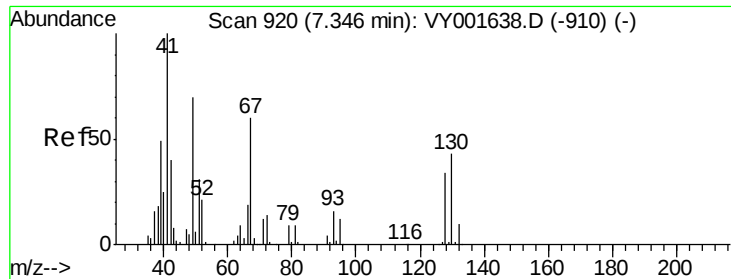
Tot Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
61 2.8 11.0 16.6#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.461 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001805.D
Acq: 28 Feb 2020 17:55

Tgt Ion: 117 Resp: 14920
Ion Ratio Lower Upper
117 100
119 4.5 74.8 112.2#
121 0.0 23.8 35.6#

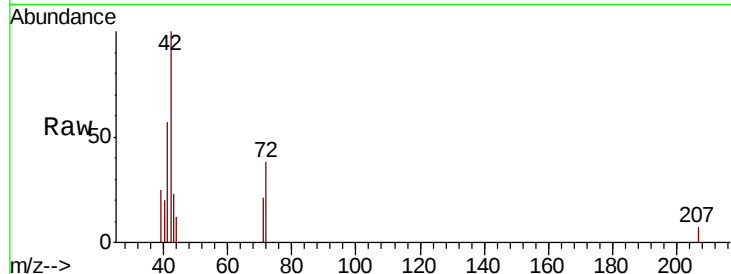




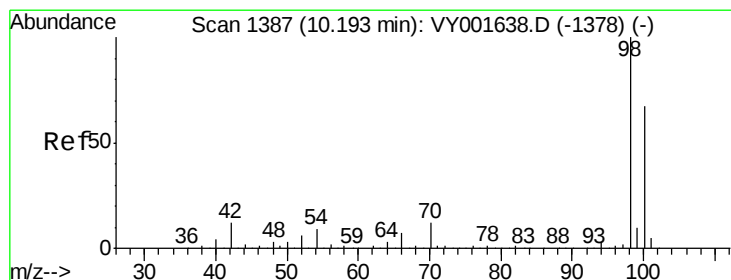
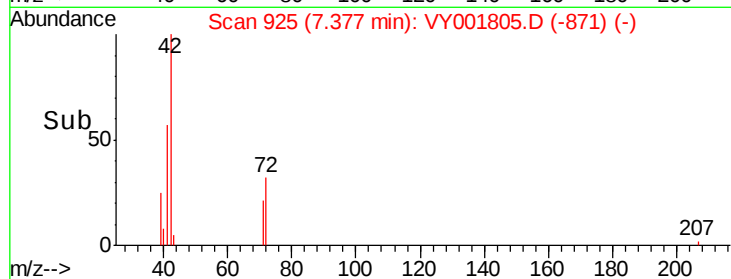
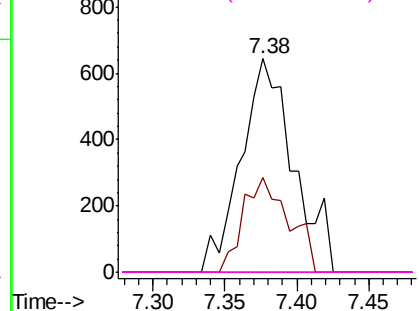
#41
Methacrylonitrile
Concen: 2.068 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.03 min
Lab File: VY001805.D
Acq: 28 Feb 2020 17:55

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-01-G0-G1-G0A-G1A

Tot Ion:	41	Resp:	1629
Ion	Ratio	Lower	Upper
41	100		
39	38.9	36.0	54.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

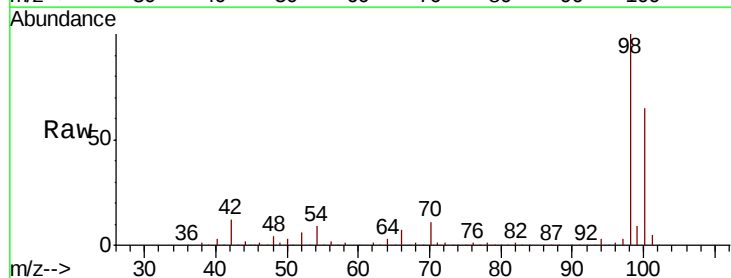


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

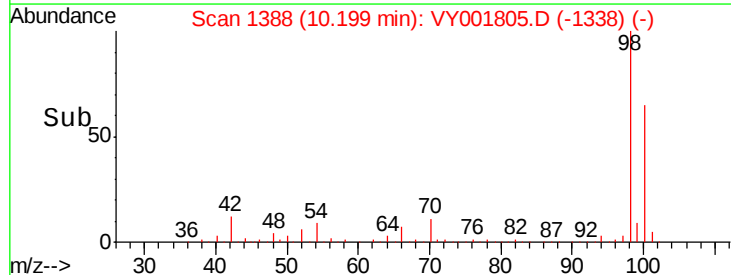
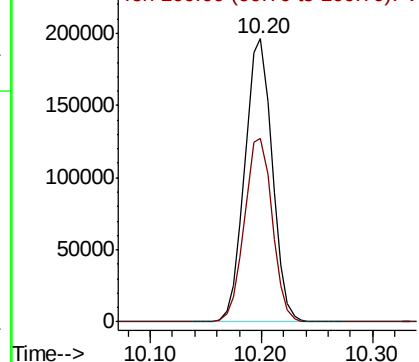


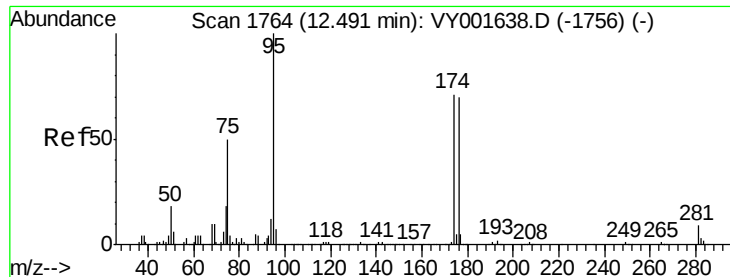
#50
Toluene-d8
Concen: 54.404 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001805.D
Acq: 28 Feb 2020 17:55

Tgt Ion:	98	Resp:	335994
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 47.803 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-G0-G1-G0A-G1A

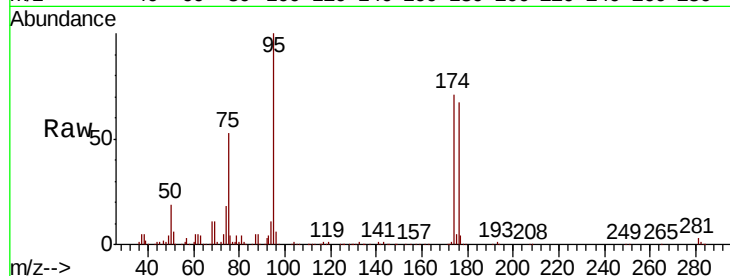
Tot Ion: 95 Resp: 114692

Ion Ratio Lower Upper

95 100

174 71.8 0.0 138.4

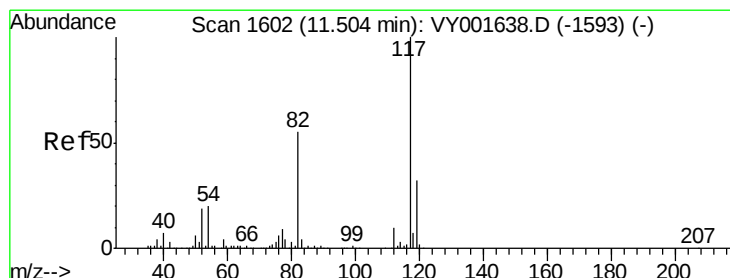
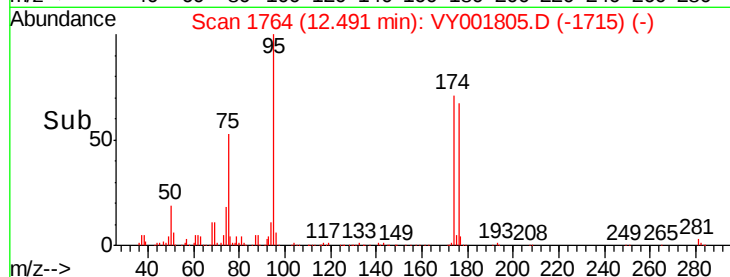
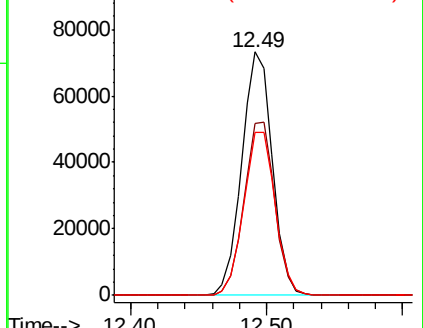
176 69.6 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001805.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001805.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001805.D (-1715) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

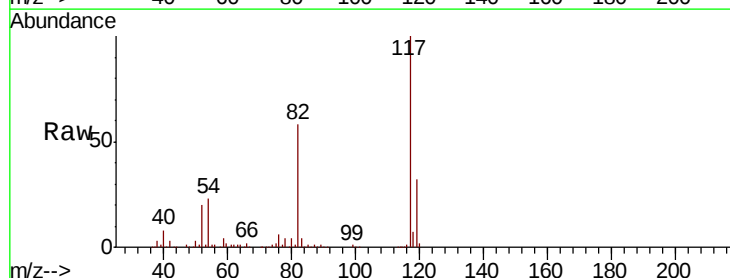
Tgt Ion: 117 Resp: 252019

Ion Ratio Lower Upper

117 100

82 57.6 45.5 68.3

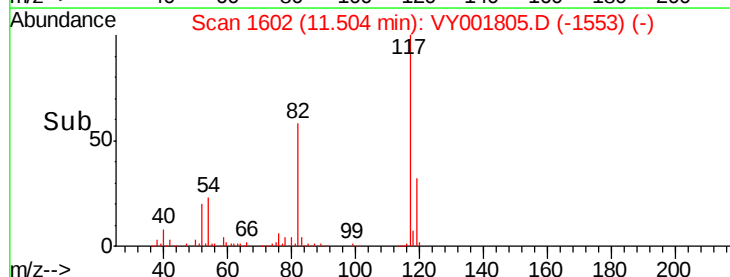
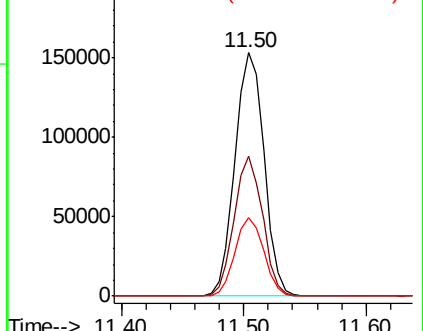
119 32.4 25.8 38.6

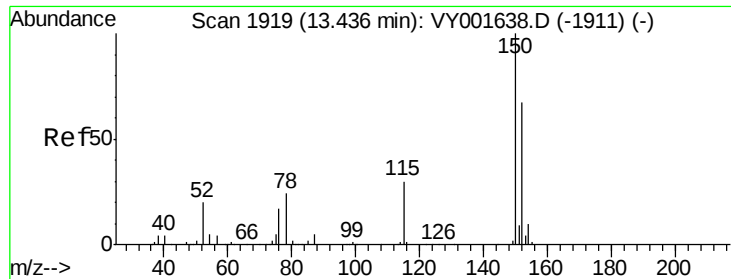


Abundance Ion 116.90 (116.60 to 117.60): VY001805.D (-1553) (-)

Ion 82.00 (81.70 to 82.70): VY001805.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001805.D (-1553) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-G0-G1-G0A-G1A

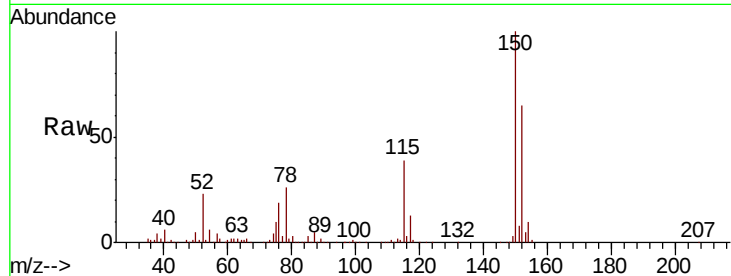
Tot Ion:152 Resp: 111919

Ion Ratio Lower Upper

152 100

115 60.8 31.4 94.2

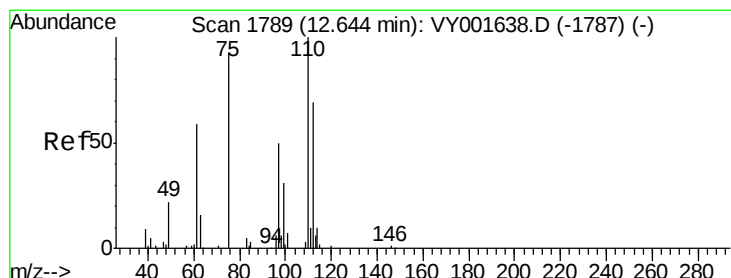
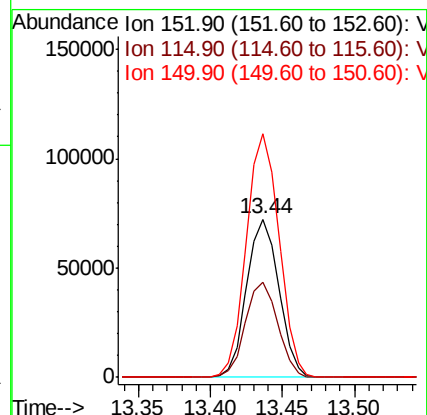
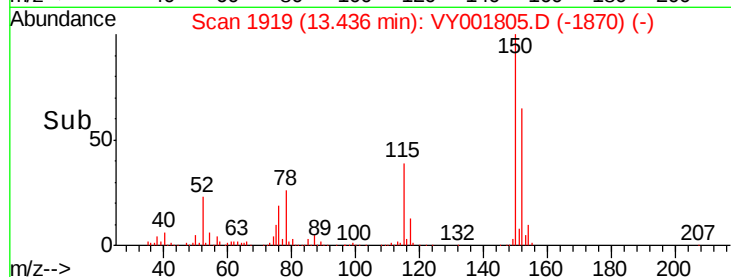
150 156.8 0.0 407.2



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: 45.167 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001805.D

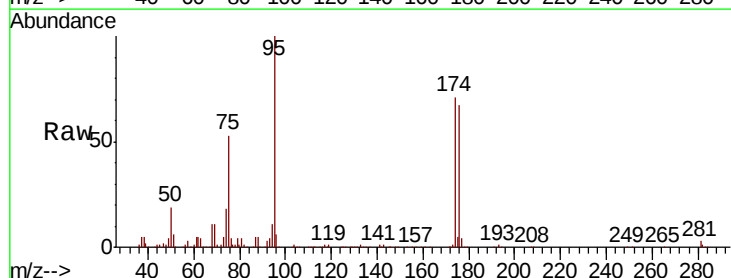
Acq: 28 Feb 2020 17:55

Tgt Ion: 75 Resp: 57988

Ion Ratio Lower Upper

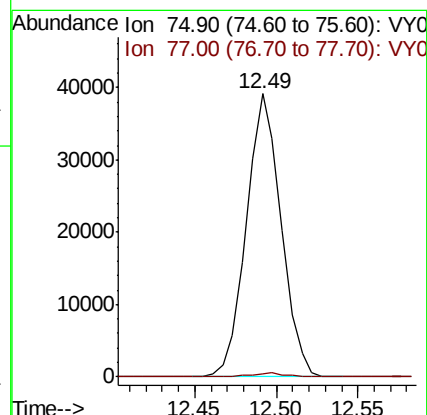
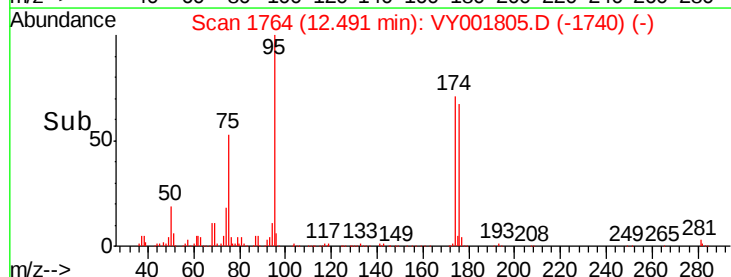
75 100

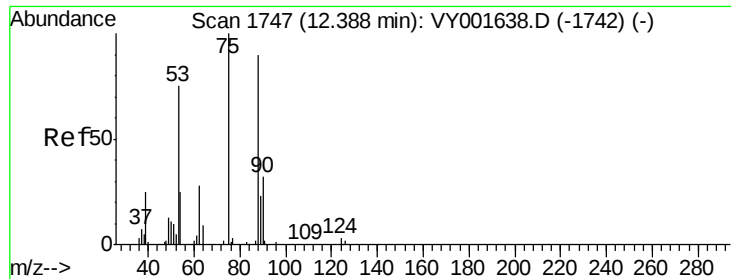
77 1.4 0.0 0.0#



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: 85.690 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001805.D

Acq: 28 Feb 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-G0-G1-G0A-G1A

Tot Ion: 75 Resp: 57988

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#

