

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001803.D
 Acq On : 28 Feb 2020 17:11
 Operator : SY/MD
 Sample : L1736-04
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-010-B

Quant Time: Feb 28 22:33:06 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	145855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	280210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	238832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	91290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	89820	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	
35) Dibromofluoromethane	7.75	113	67925	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	
50) Toluene-d8	10.20	98	331074	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.49	95	102120	41.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.62%	

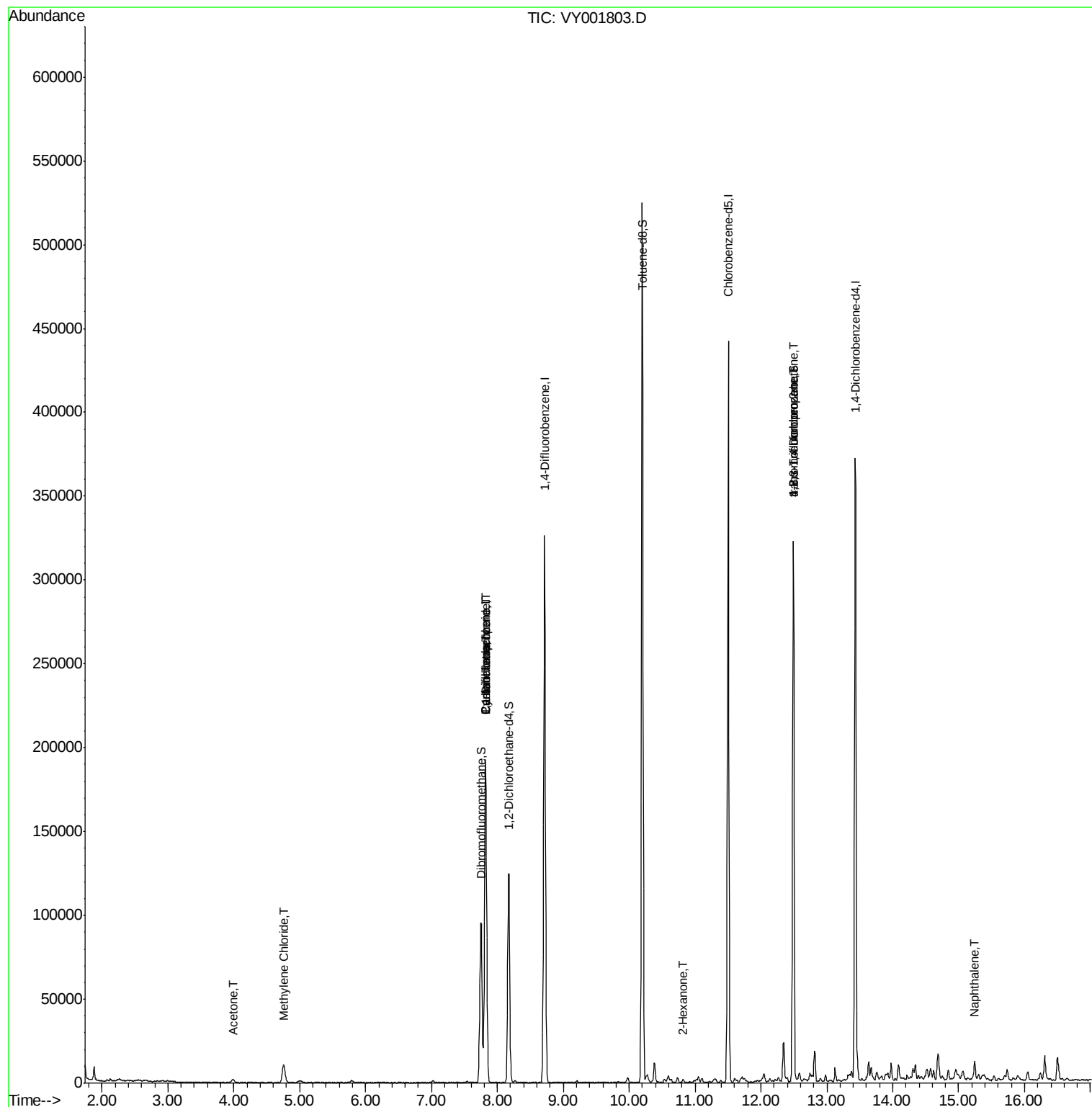
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	1216	Below Cal	#	93
16) Acetone	3.99	43	3626	6.680	ug/l #	82
20) Methylene Chloride	4.75	84	7925	4.110	ug/l	94
31) Cyclohexane	7.82	56	3430	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12566	4.695	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14832	6.309	ug/l #	17
59) 2-Hexanone	10.81	43	1440	1.232	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	52637	50.264	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	52637	95.359	ug/l #	17
95) Naphthalene	15.25	128	7982	1.936	ug/l	97

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

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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: VY001803.D

Acq: 28 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

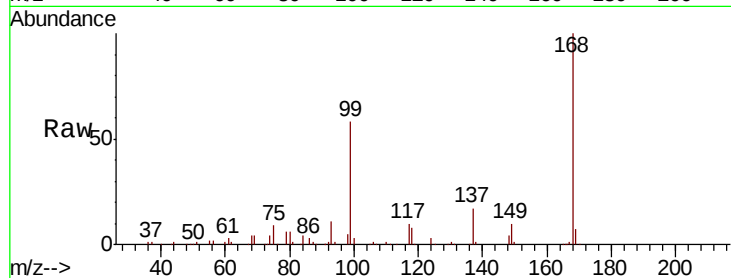
FK-SF-01-010-B

Tot Ion:168 Resp: 145855

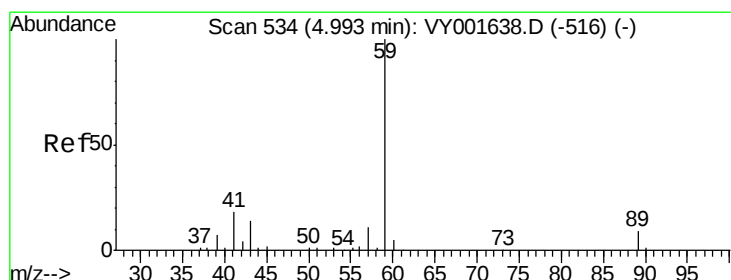
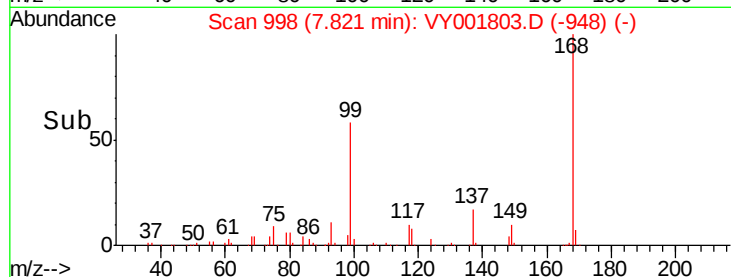
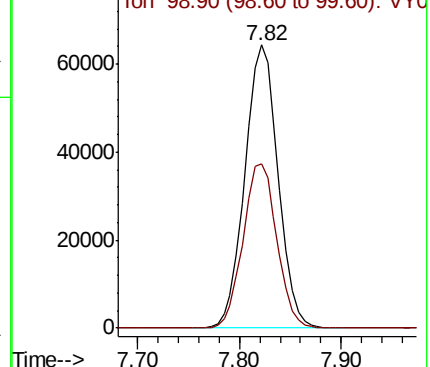
Ion Ratio Lower Upper

168 100

99 58.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001803.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001803.D

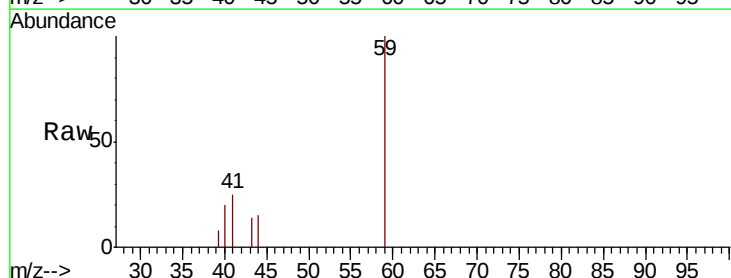
Acq: 28 Feb 2020 17:11

Tgt Ion: 59 Resp: 1216

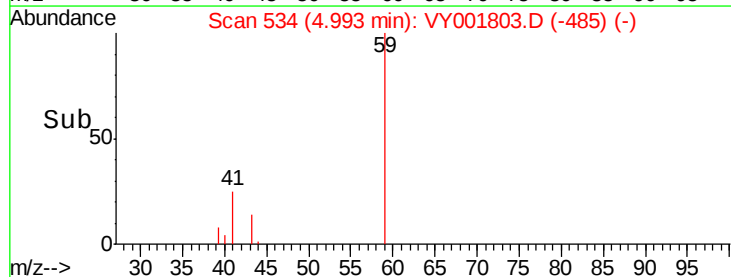
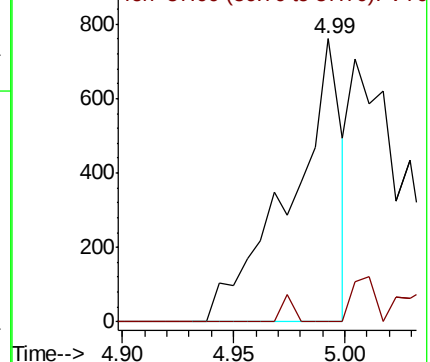
Ion Ratio Lower Upper

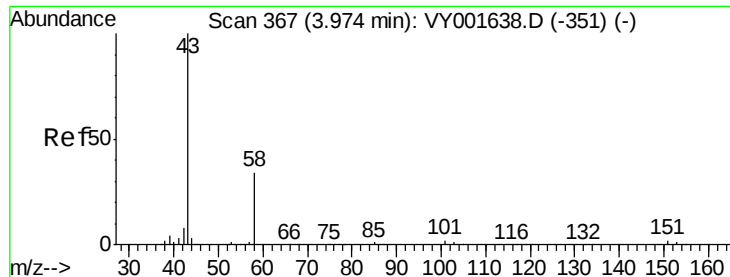
59 100

57 6.9 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001803.D (-485) (-)





#16

Acetone

Concen: 6.680 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001803.D

Acq: 28 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

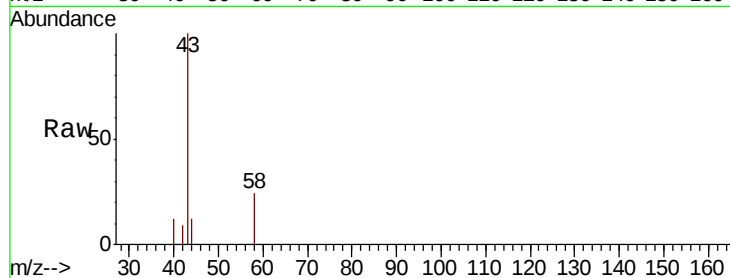
FK-SF-01-010-B

Tot Ion: 43 Resp: 3626

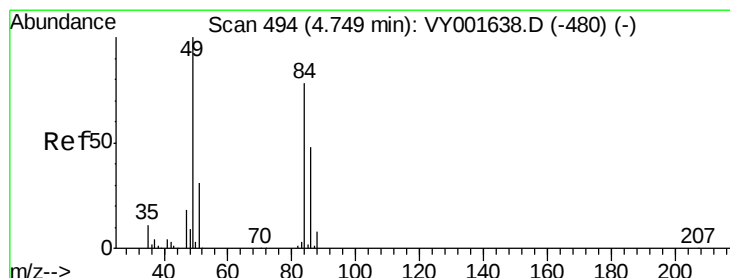
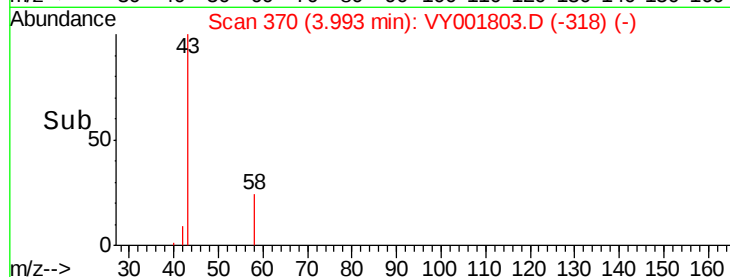
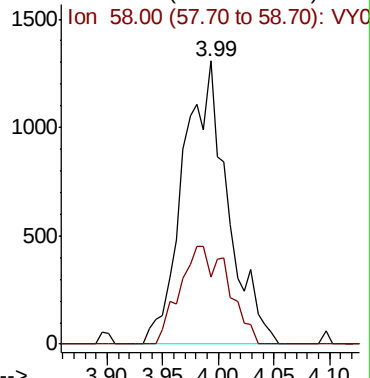
Ion Ratio Lower Upper

43 100

58 23.6 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001803.D (-370) (-)



#20

Methylene Chloride

Concen: 4.110 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001803.D

Acq: 28 Feb 2020 17:11

Tgt Ion: 84 Resp: 7925

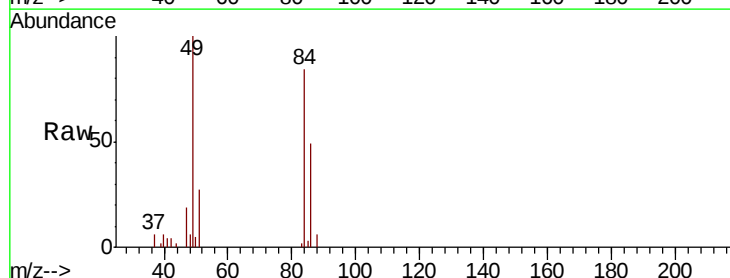
Ion Ratio Lower Upper

84 100

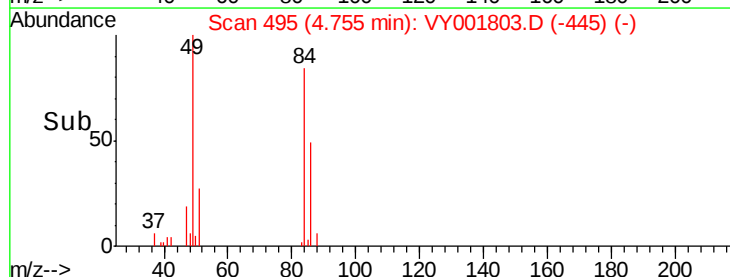
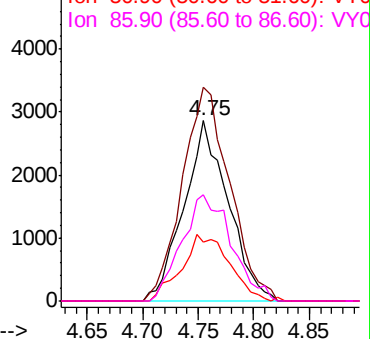
49 118.6 99.2 148.8

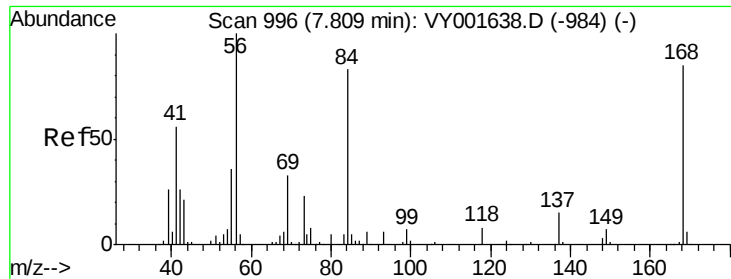
51 32.4 31.5 47.3

86 58.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001803.D (-495) (-)

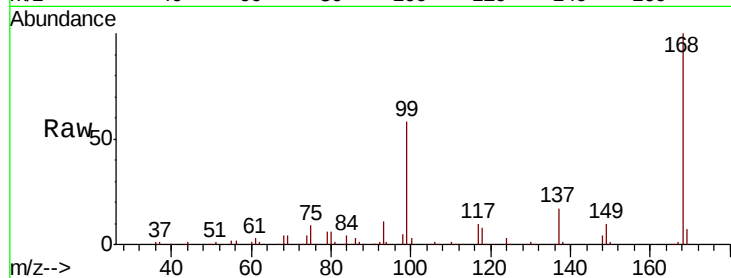




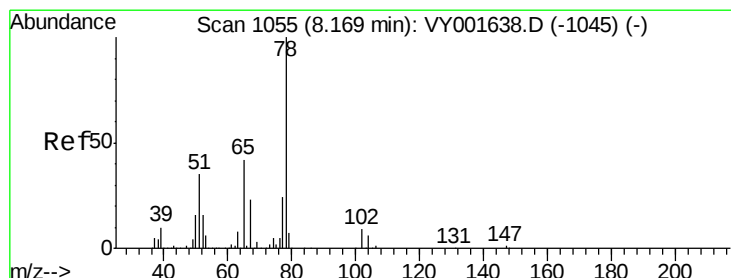
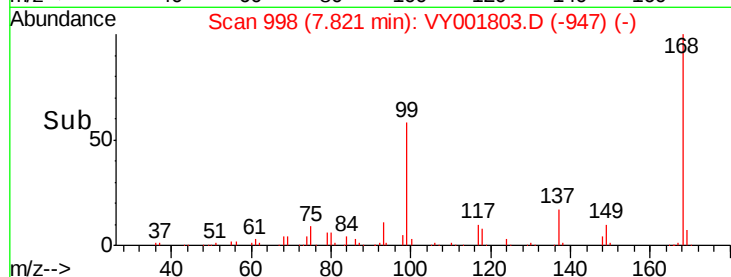
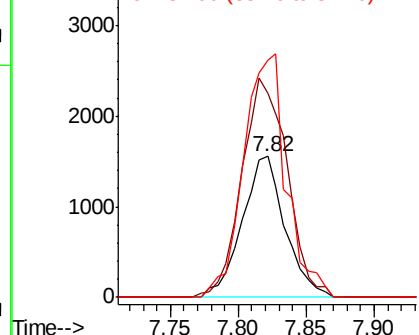
#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001803.D
Acq: 28 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-010-B

Tot Ion: 56 Resp: 3430
Ion Ratio Lower Upper
56 100
69 144.7 25.1 37.7#
84 168.3 66.9 100.3#

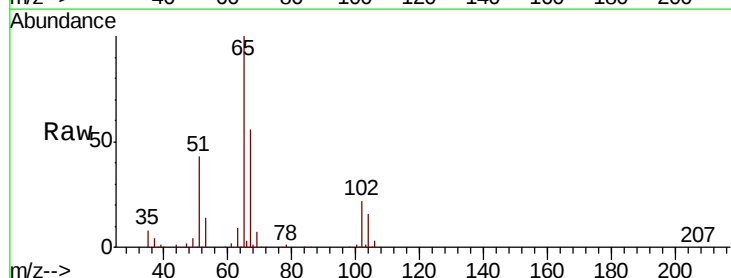


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

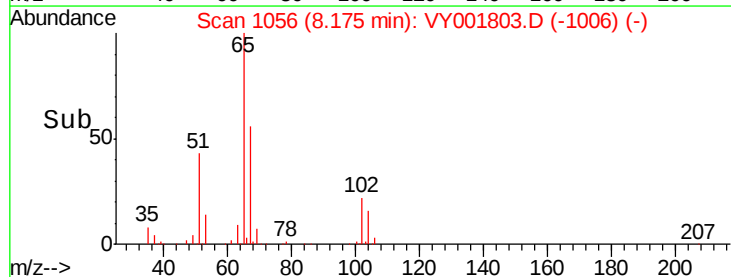
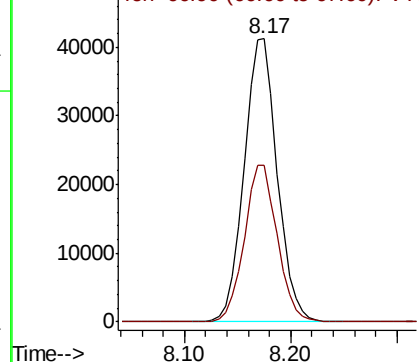


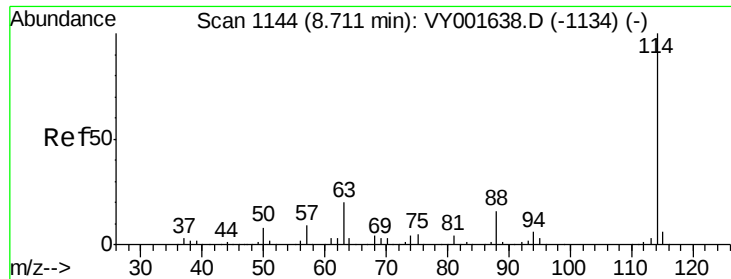
#33
1,2-Dichloroethane-d4
Concen: 57.251 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001803.D
Acq: 28 Feb 2020 17:11

Tgt Ion: 65 Resp: 89820
Ion Ratio Lower Upper
65 100
67 55.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

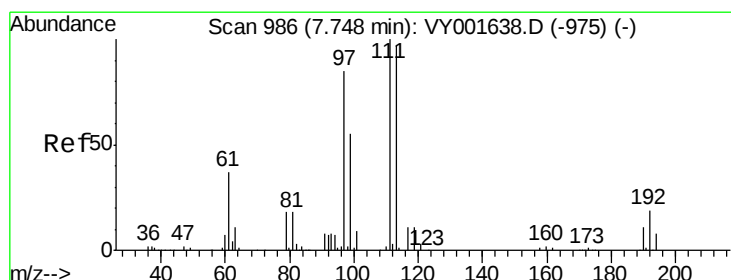
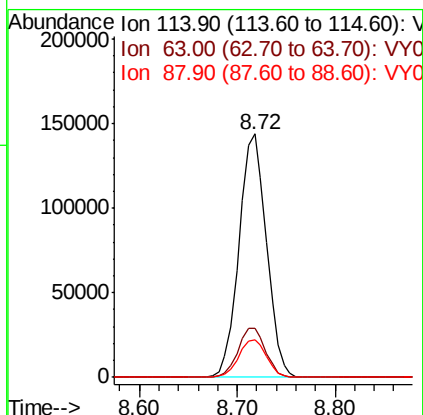
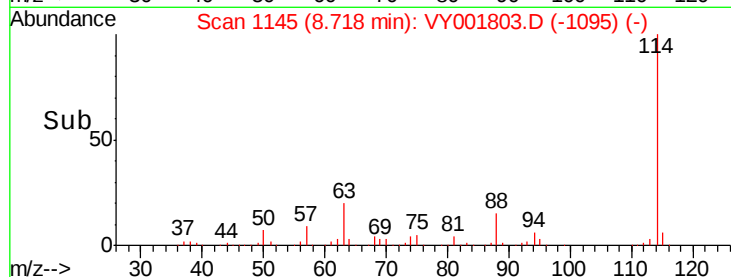
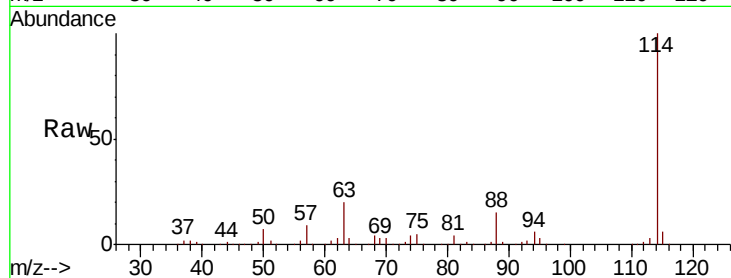




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001803.D
 Acq: 28 Feb 2020 17:11

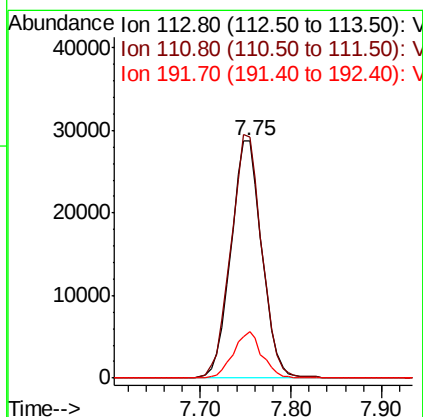
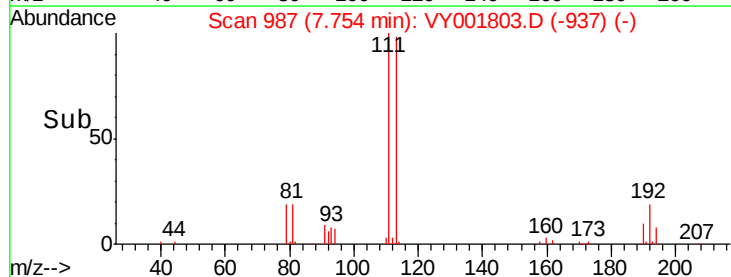
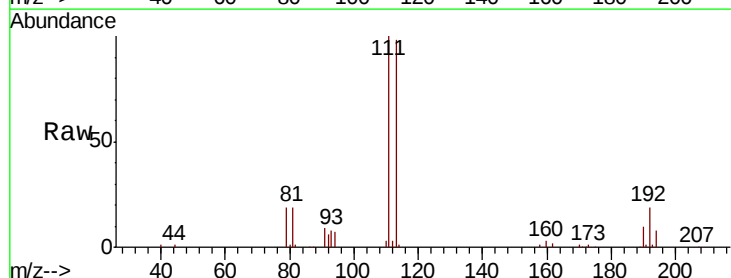
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-010-B

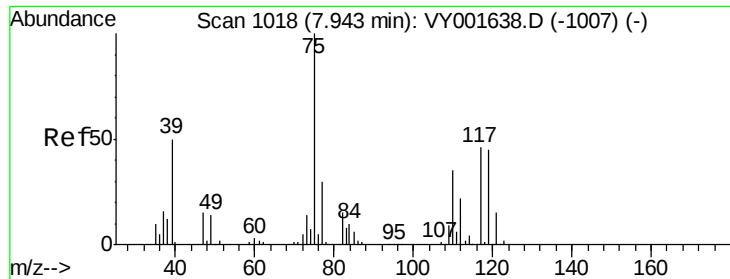
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.4
88	15.5	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 42.323 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001803.D
 Acq: 28 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	18.2	14.3	21.5

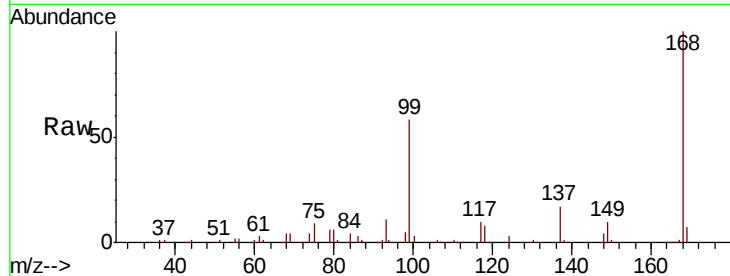




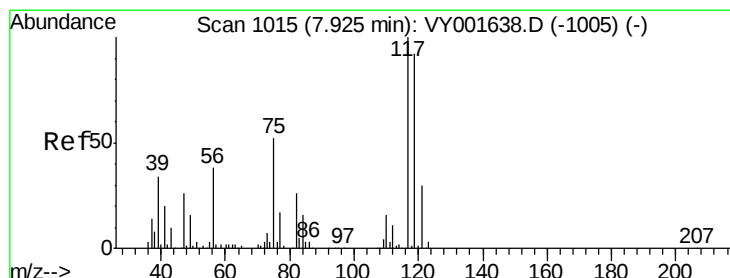
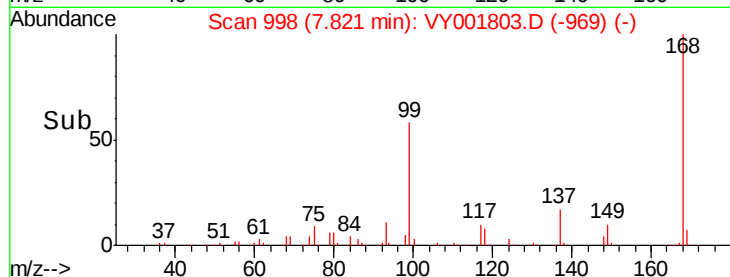
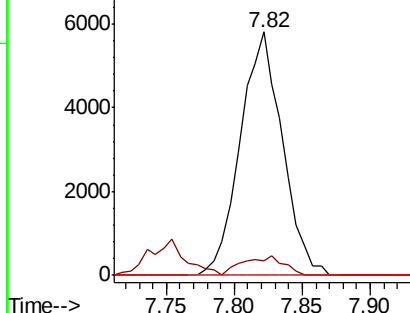
#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001803.D
 Acq: 28 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-010-B

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.2	51.6#
77	0.0	24.8	37.2#

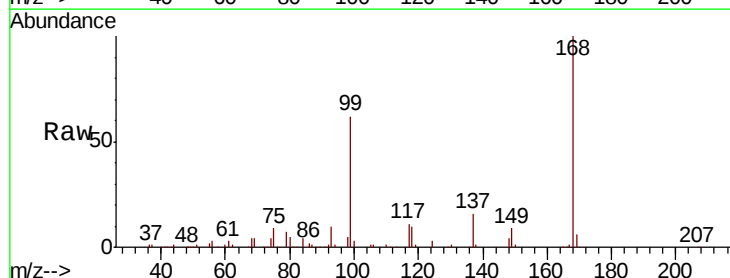


Abundance Ion 74.90 (74.60 to 75.60): VY001803.D (-969) (-)
 Ion 109.90 (109.60 to 110.60): VY001803.D (-969) (-)
 Ion 76.90 (76.60 to 77.60): VY001803.D (-969) (-)

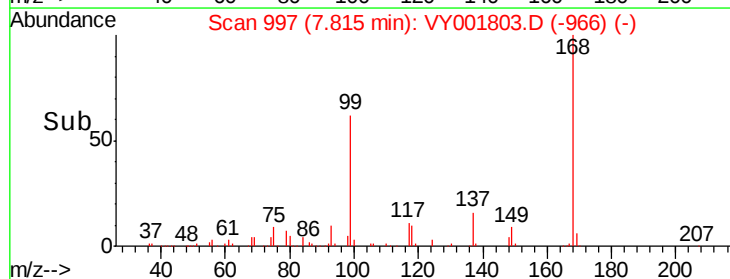
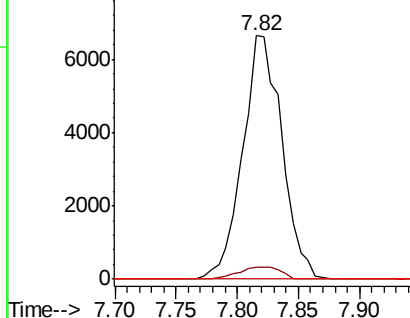


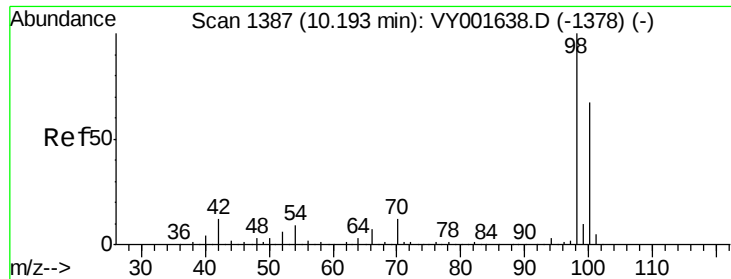
#38
 Carbon Tetrachloride
 Concen: 6.309 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001803.D
 Acq: 28 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY001803.D (-966) (-)
 Ion 118.80 (118.50 to 119.50): VY001803.D (-966) (-)
 Ion 120.80 (120.50 to 121.50): VY001803.D (-966) (-)





#50

Toluene-d8

Concen: 52.655 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001803.D

Acq: 28 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

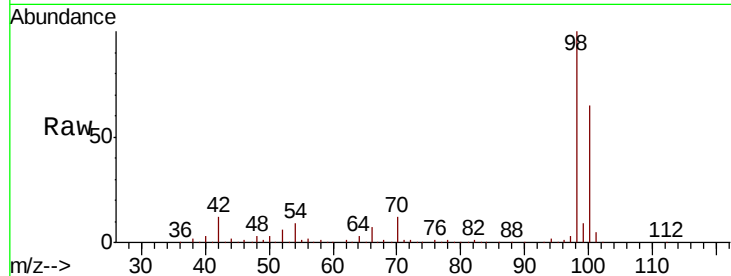
FK-SF-01-010-B

Tot Ion: 98 Resp: 331074

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)

10.20

200000

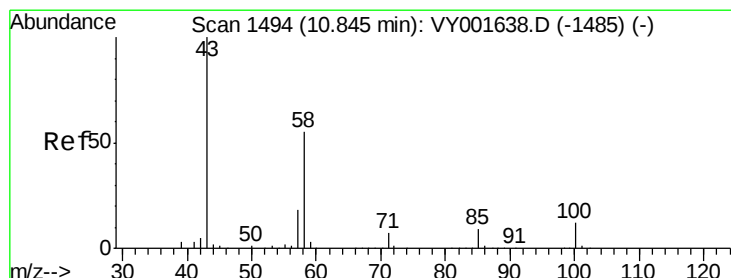
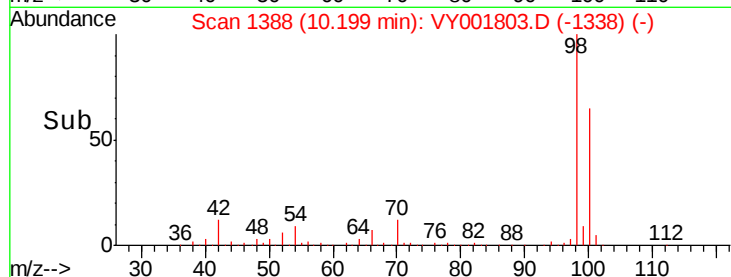
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 1.232 ug/l

RT: 10.81 min Scan# 1489

Delta R.T. -0.03 min

Lab File: VY001803.D

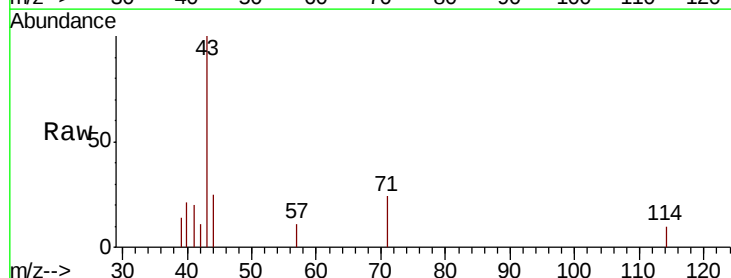
Acq: 28 Feb 2020 17:11

Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

58 0.0 28.4 85.2#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1485) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1485) (-)

10.81

800

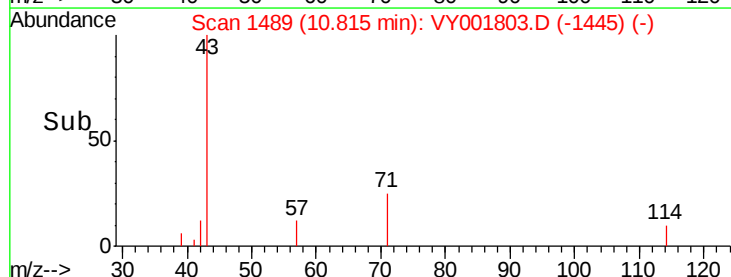
600

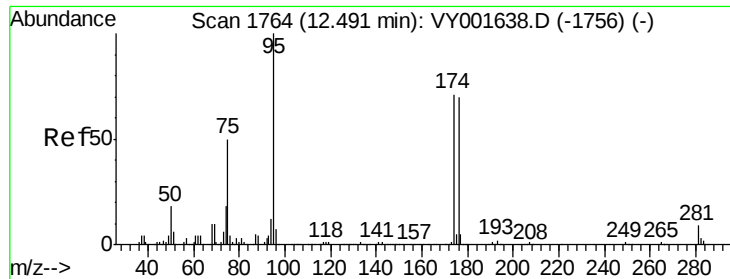
400

200

0

Time-->

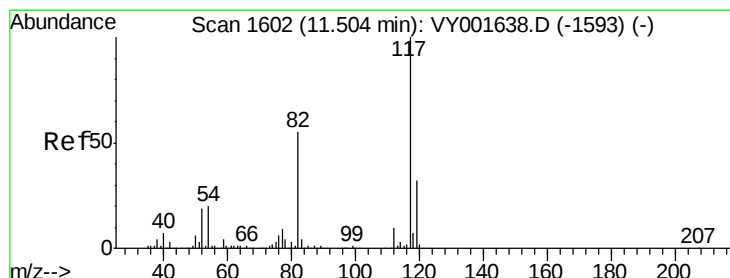
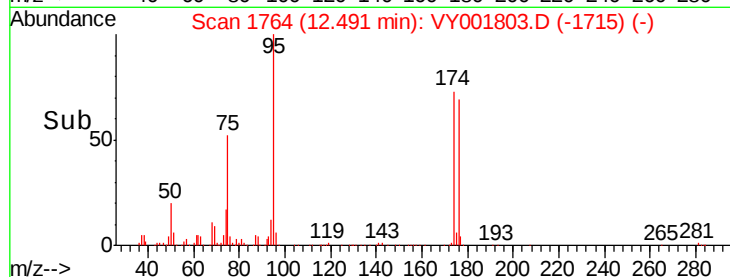
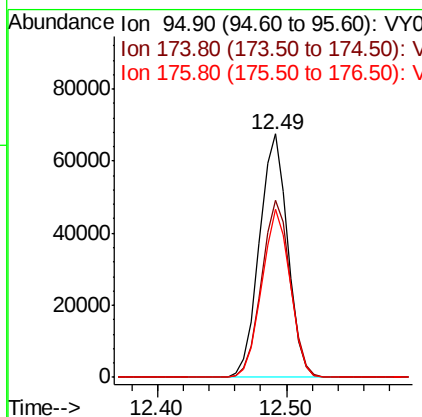
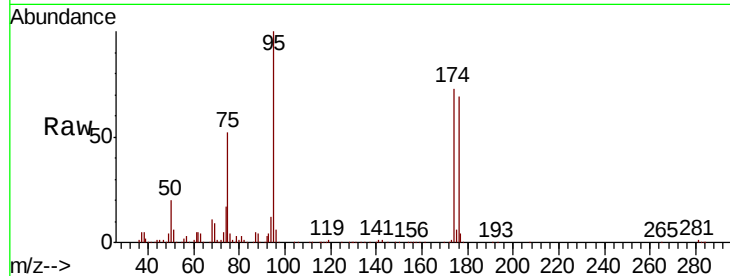




#62
4-Bromofluorobenzene
Concen: 41.807 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001803.D
Acq: 28 Feb 2020 17:11

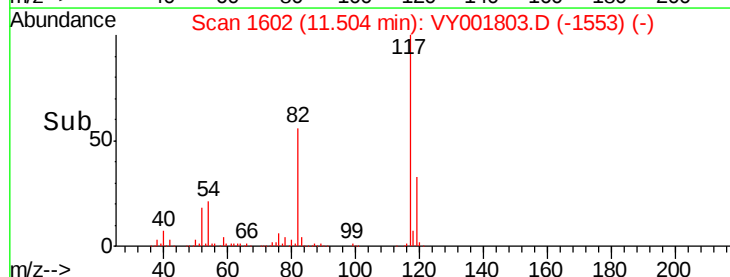
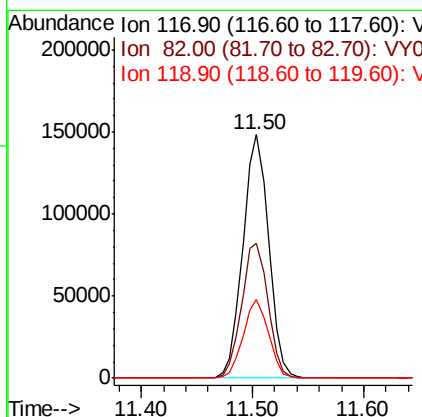
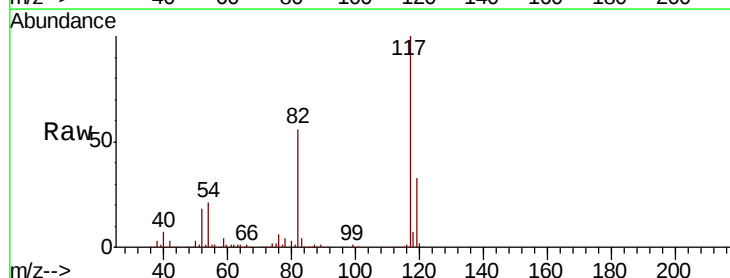
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-010-B

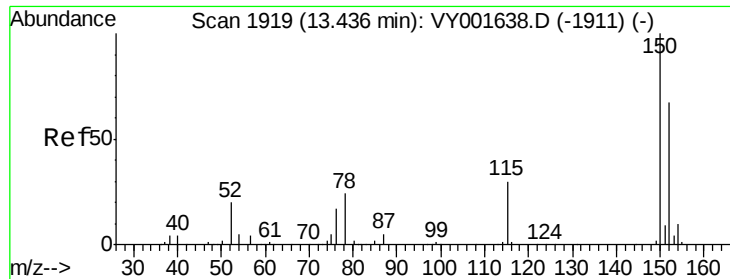
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	138.4
176	69.7	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001803.D
Acq: 28 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.5	68.3
119	32.5	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: VY001803.D

Acq: 28 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-010-B

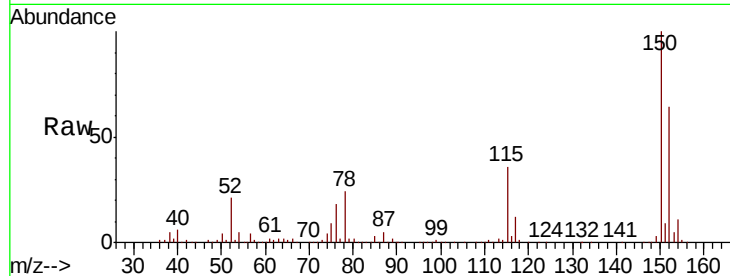
Tot Ion:152 Resp: 91290

Ion Ratio Lower Upper

152 100

115 60.1 31.4 94.2

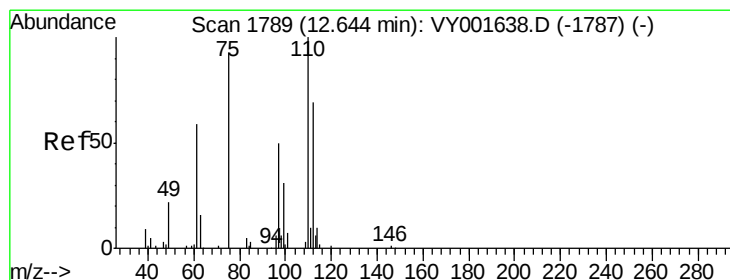
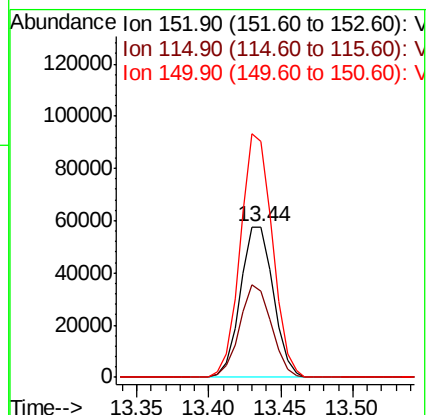
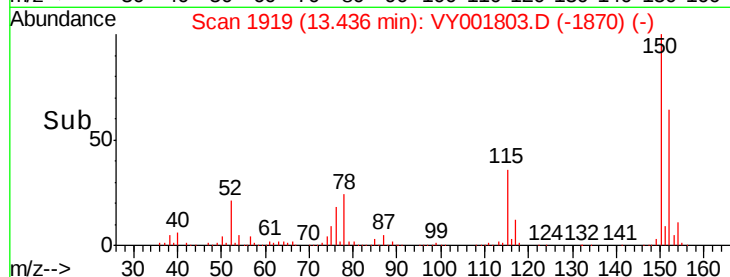
150 157.4 0.0 407.2



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: 50.264 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001803.D

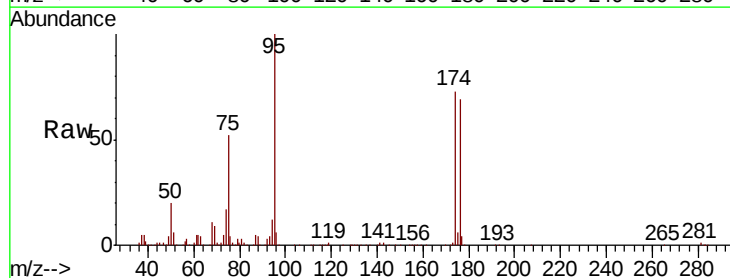
Acq: 28 Feb 2020 17:11

Tgt Ion: 75 Resp: 52637

Ion Ratio Lower Upper

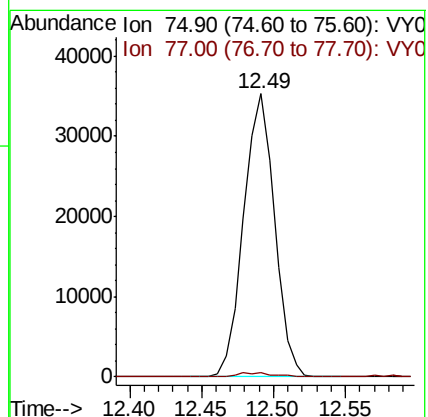
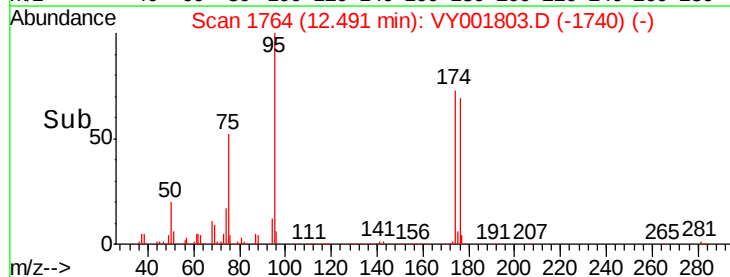
75 100

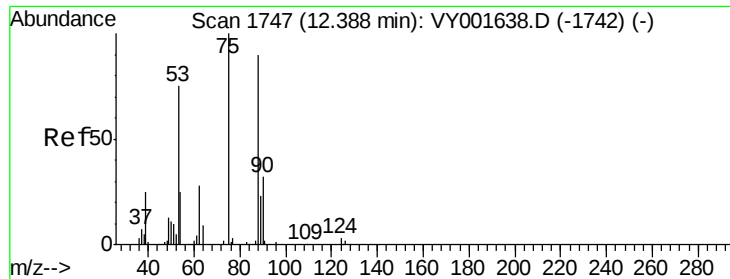
77 1.7 0.0 0.0#



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: 95.359 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001803.D

Acq: 28 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-010-B

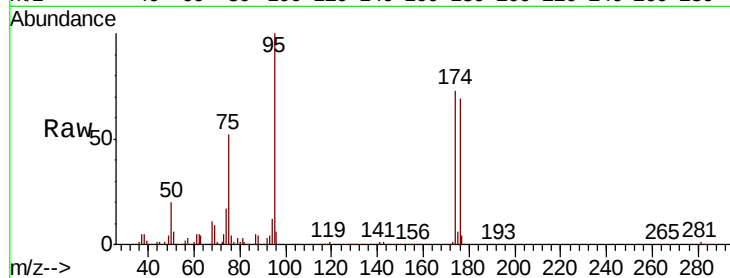
Tot Ion: 75 Resp: 52637

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

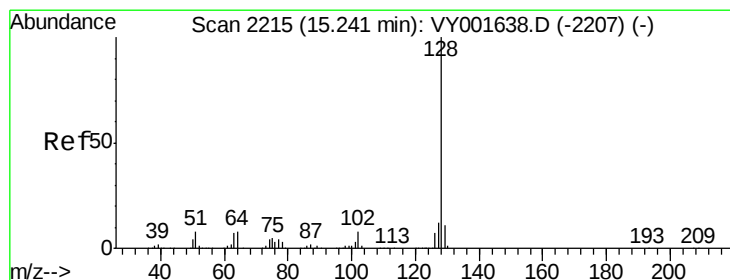
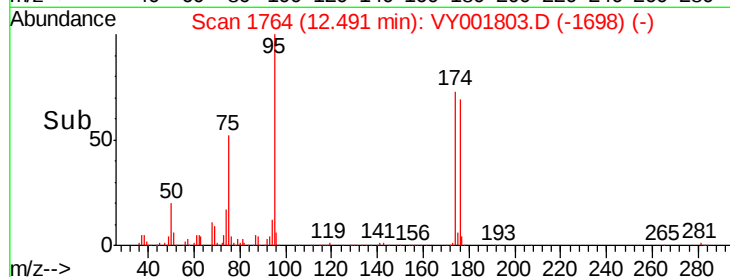
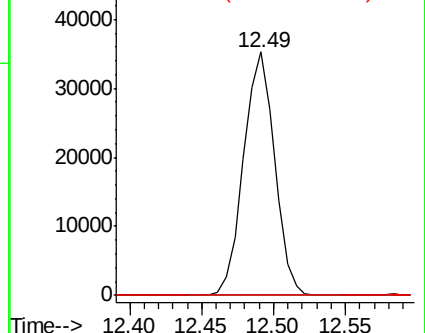
89 0.2 36.3 54.5#



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



#95

Naphthalene

Concen: 1.936 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001803.D

Acq: 28 Feb 2020 17:11

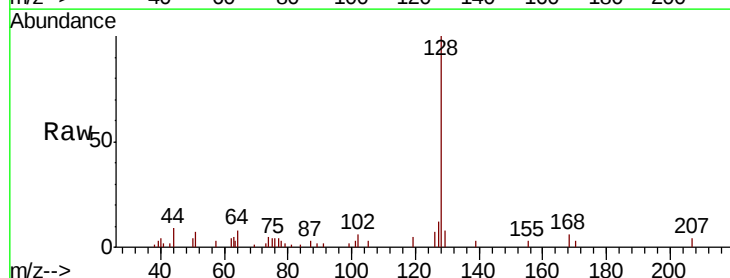
Tgt Ion: 128 Resp: 7982

Ion Ratio Lower Upper

128 100

127 11.5 9.9 14.9

129 9.1 8.6 13.0



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

