

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001801.D
 Acq On : 28 Feb 2020 16:26
 Operator : SY/MD
 Sample : L1735-04
 Misc : 6.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-009-B

Quant Time: Feb 28 22:32:44 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	151538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	247929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	94748	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	92736	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
35) Dibromofluoromethane	7.75	113	73184	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
50) Toluene-d8	10.19	98	339306	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.49	95	104309	41.86	ug/l	0.00
Spiked Amount			Recovery	=	83.72%	

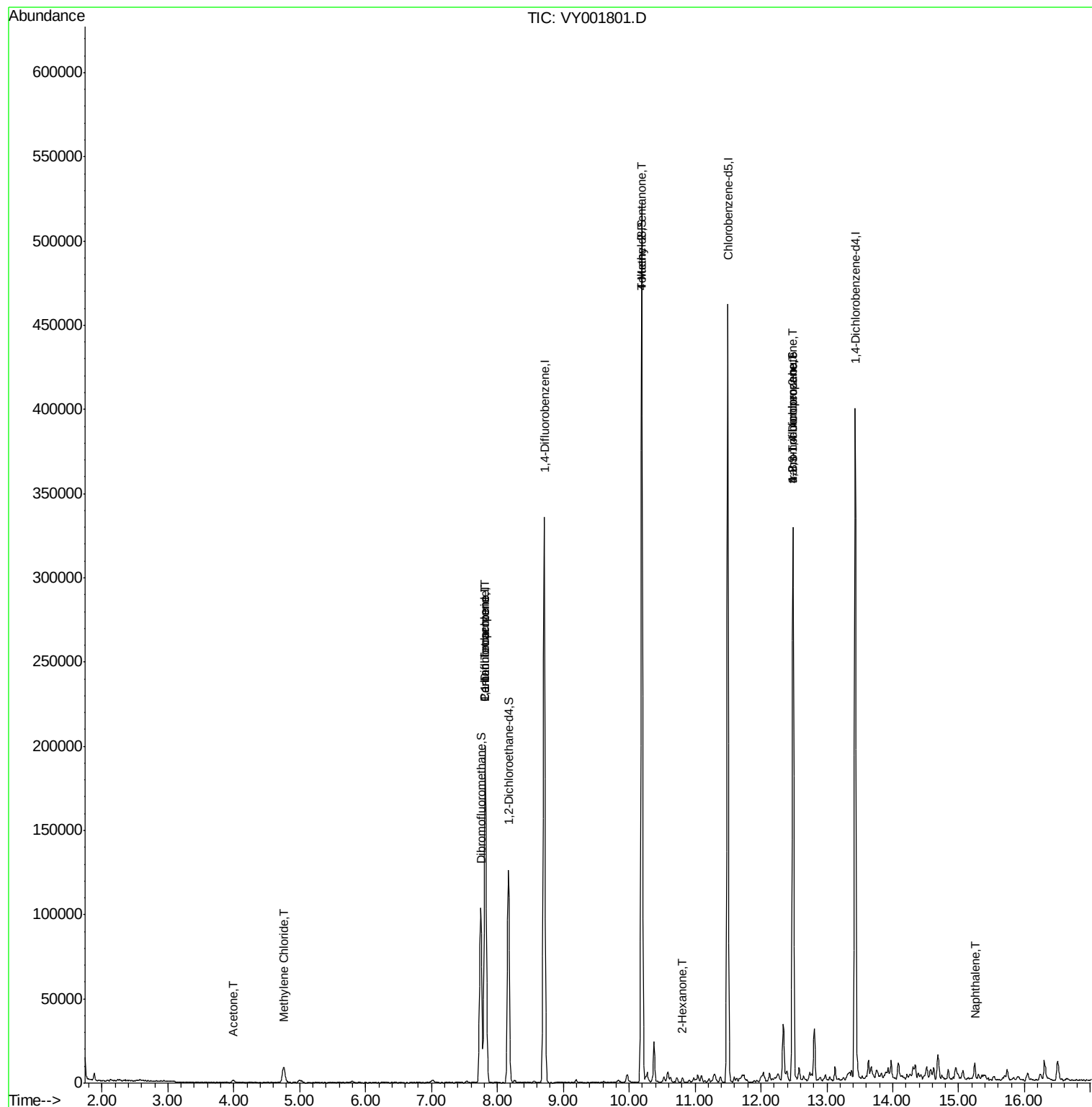
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	3162	Below Cal	#	85
16) Acetone	3.99	43	2555	4.530	ug/l	94
20) Methylene Chloride	4.76	84	7007	3.498	ug/l	92
36) 1,1-Dichloropropene	7.82	75	12245	4.485	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15025	6.265	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1730	1.089	ug/l #	1
59) 2-Hexanone	10.81	43	1976	1.658	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	54150	49.821	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54150	94.520	ug/l #	17
95) Naphthalene	15.25	128	7510	1.755	ug/l #	94

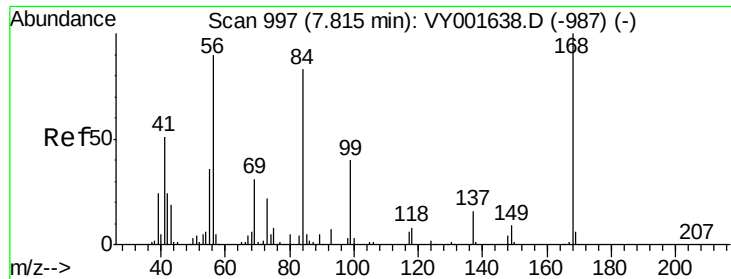
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 997

Delta R.T. 0.00 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

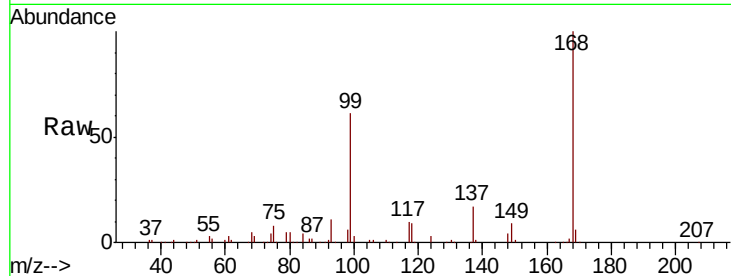
FK-SF-01-009-B

Tot Ion:168 Resp: 151538

Ion Ratio Lower Upper

168 100

99 60.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001801.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001801.D (-948) (-)

7.82

60000

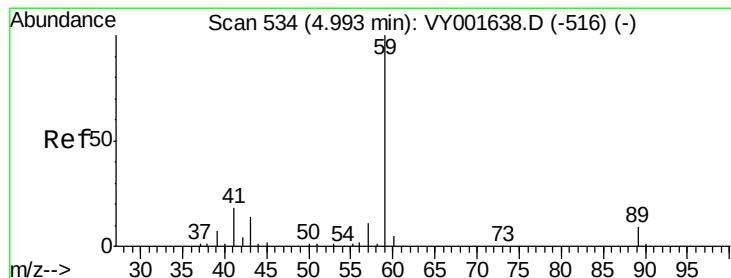
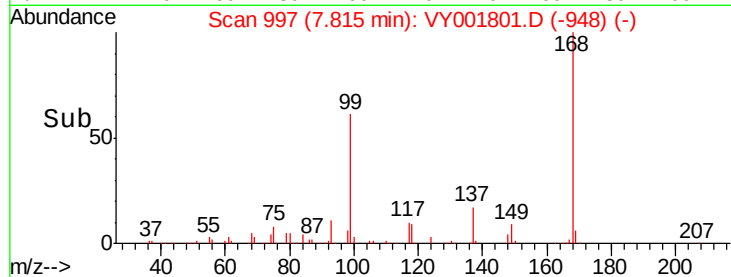
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001801.D

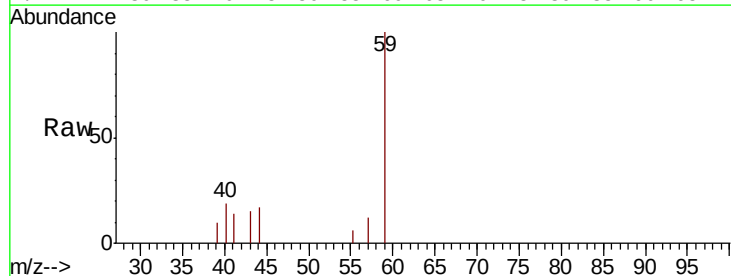
Acq: 28 Feb 2020 16:26

Tgt Ion: 59 Resp: 3162

Ion Ratio Lower Upper

59 100

57 3.9 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001801.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001801.D (-485) (-)

4.99

1000

800

600

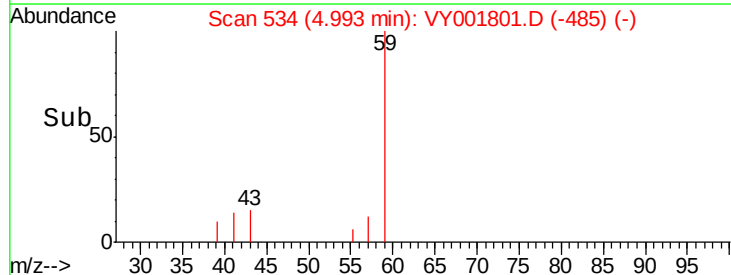
400

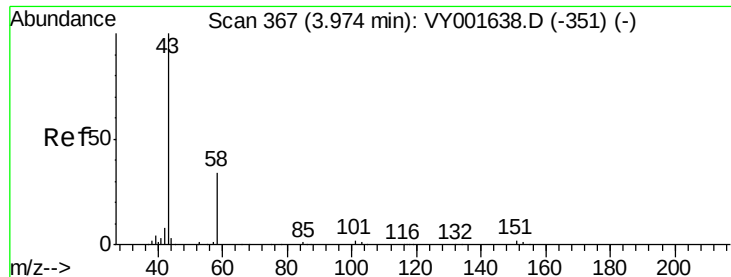
200

0

4.90 4.95 5.00 5.05 5.10

Time-->





#16

Acetone

Concen: 4.530 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

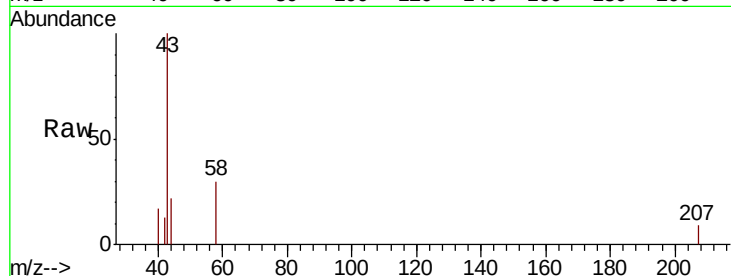
FK-SF-01-009-B

Tot Ion: 43 Resp: 2555

Ion Ratio Lower Upper

43 100

58 30.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001801.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VY001801.D (-369) (-)

3.99

800

600

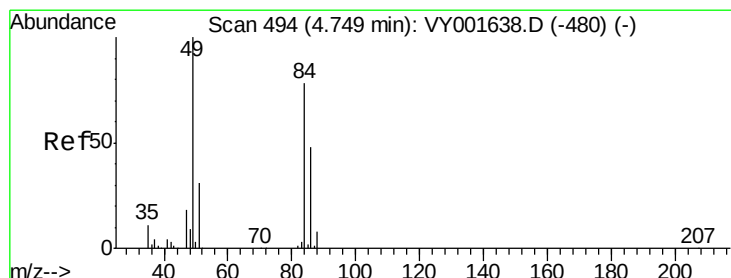
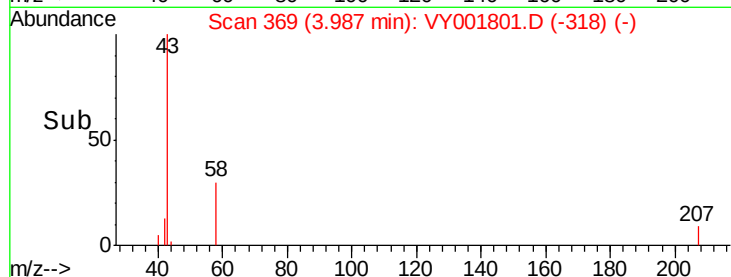
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 3.498 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

Tgt Ion: 84 Resp: 7007

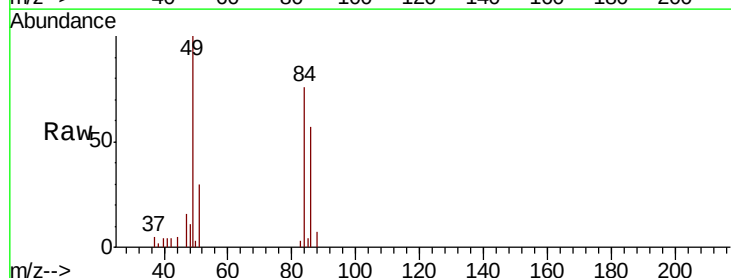
Ion Ratio Lower Upper

84 100

49 132.0 99.2 148.8

51 39.0 31.5 47.3

86 74.6 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001801.D (-496) (-)

Ion 48.90 (48.60 to 49.60): VY001801.D (-496) (-)

Ion 50.90 (50.60 to 51.60): VY001801.D (-496) (-)

Ion 85.90 (85.60 to 86.60): VY001801.D (-496) (-)

4000

3000

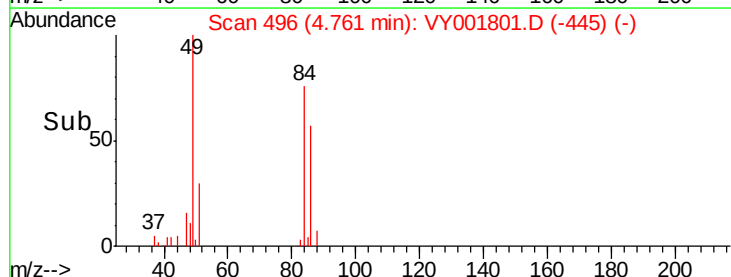
2000

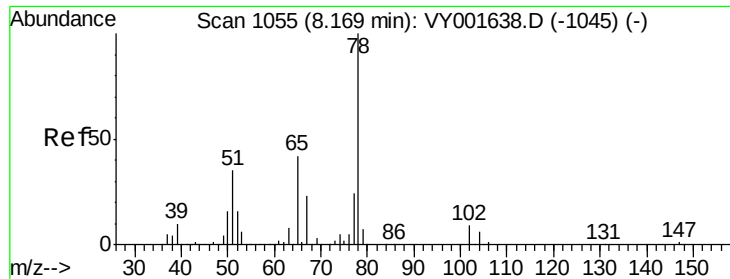
1000

0

4.70 4.75 4.80

Time-->

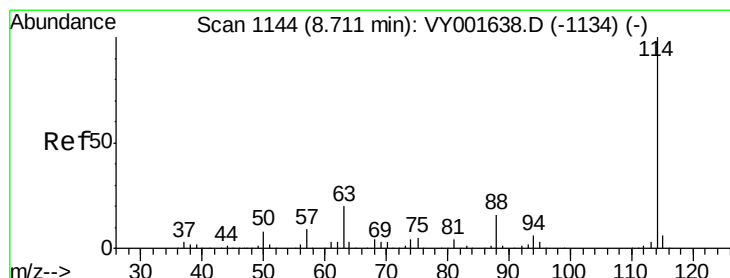
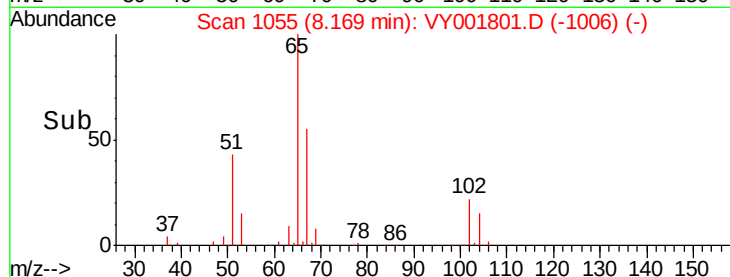
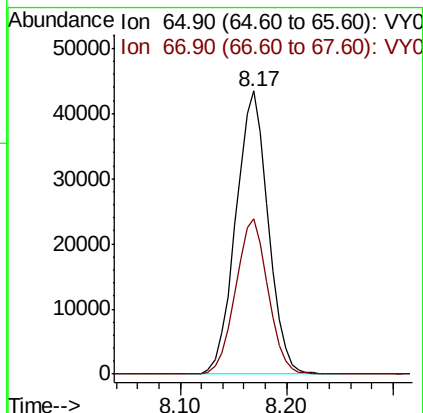
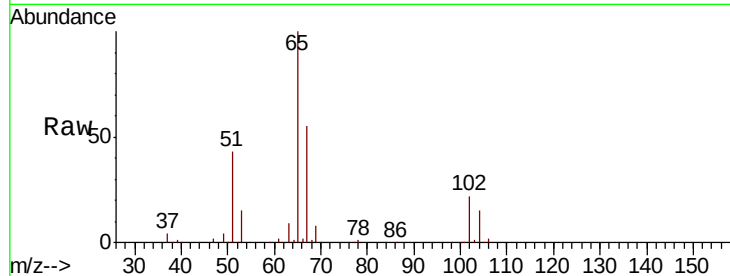




#33
 1,2-Dichloroethane-d4
 Concen: 56.893 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001801.D
 Acq: 28 Feb 2020 16:26

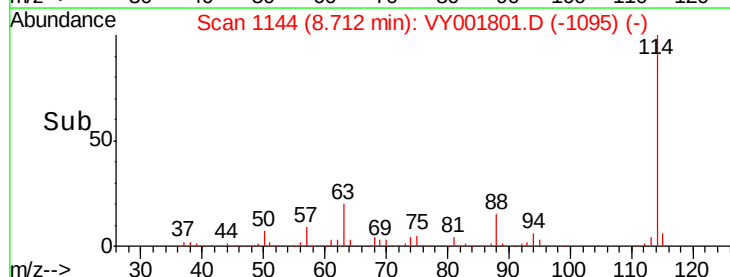
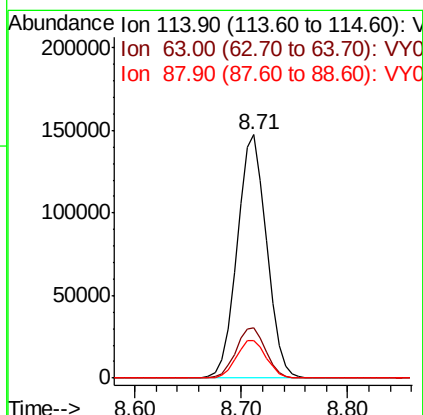
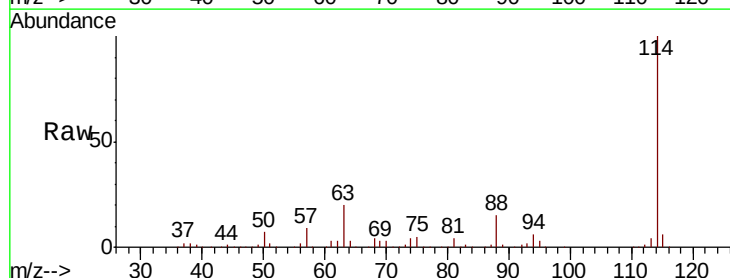
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-009-B

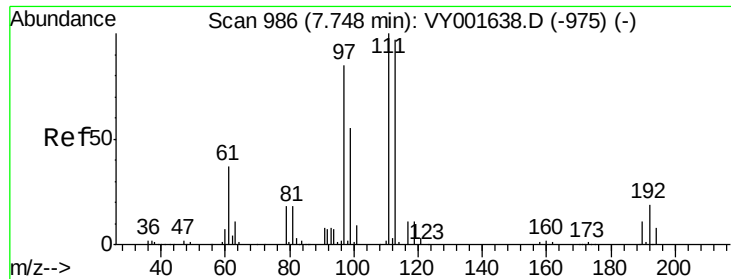
Tot Ion: 65 Resp: 92736
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001801.D
 Acq: 28 Feb 2020 16:26

Tgt Ion: 114 Resp: 285824
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.4 0.0 32.8

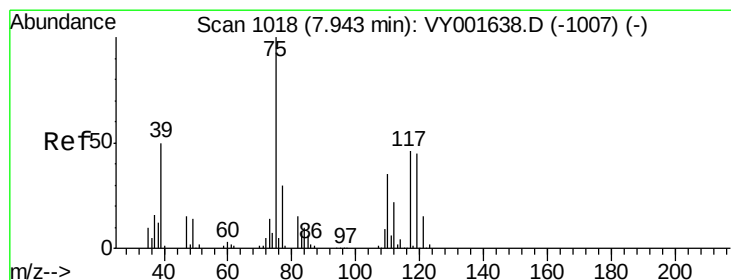
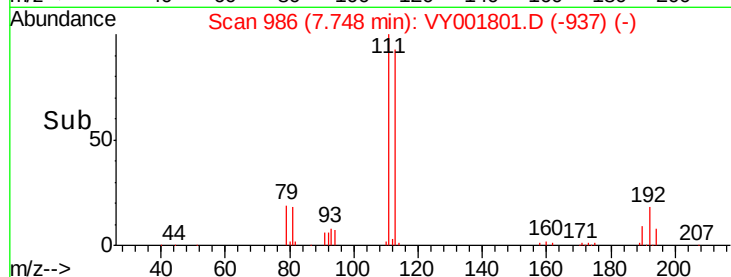
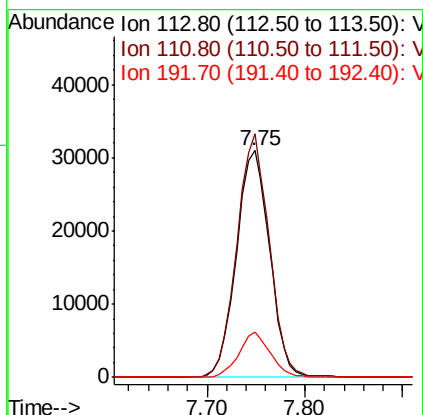
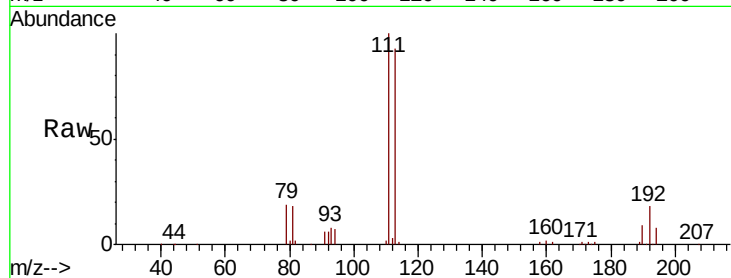




#35
 Dibromofluoromethane
 Concen: 44.704 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001801.D
 Acq: 28 Feb 2020 16:26

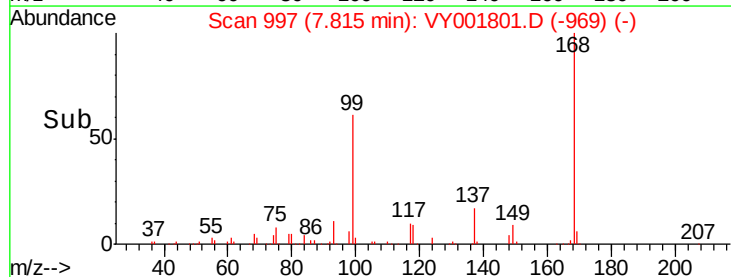
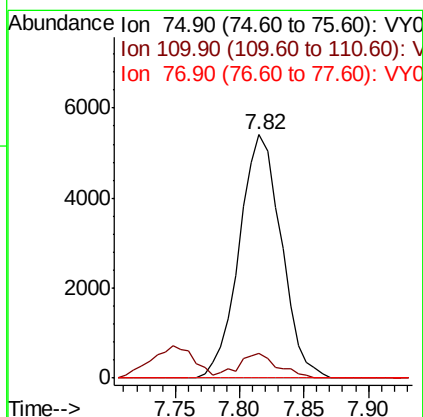
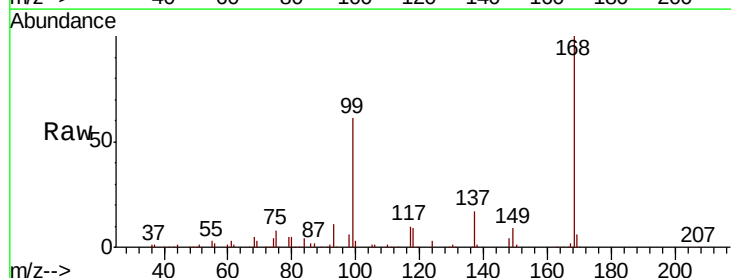
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-01-009-B

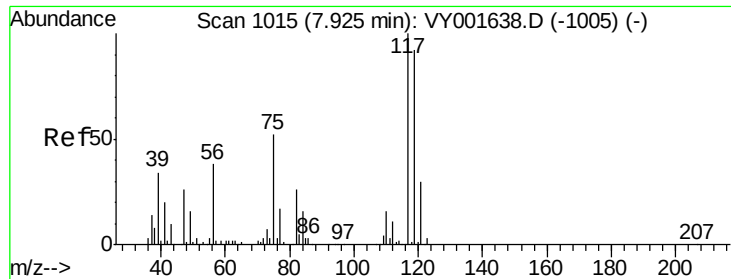
Tot Ion:113 Resp: 73184
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.9 122.9
 192 18.6 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.485 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001801.D
 Acq: 28 Feb 2020 16:26

Tgt Ion: 75 Resp: 12245
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.2 51.6#
 77 0.0 24.8 37.2#

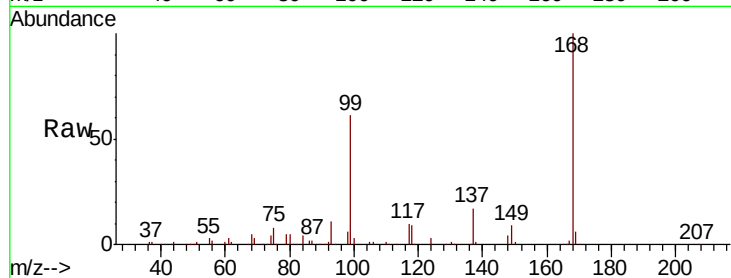




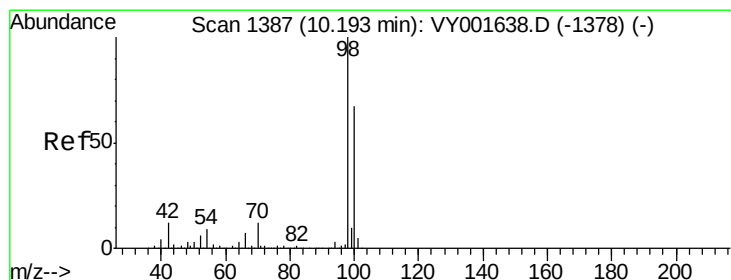
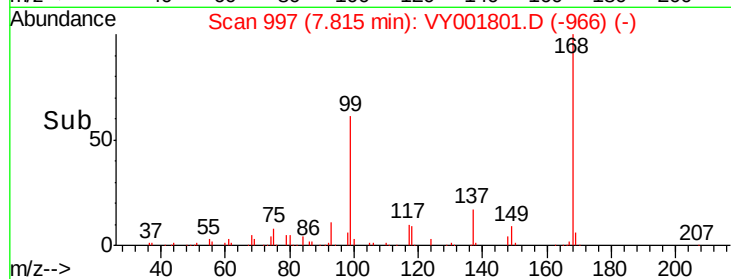
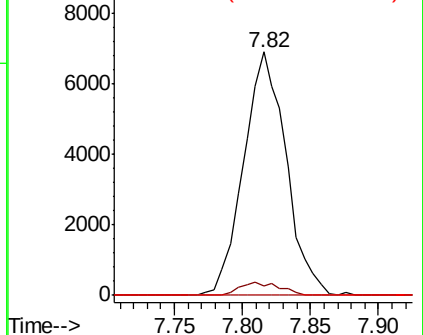
#38
Carbon Tetrachloride
Concen: 6.265 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001801.D
Acq: 28 Feb 2020 16:26

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-009-B

Tot Ion:117 Resp: 15025
Ion Ratio Lower Upper
117 100
119 3.6 74.8 112.2#
121 0.0 23.8 35.6#

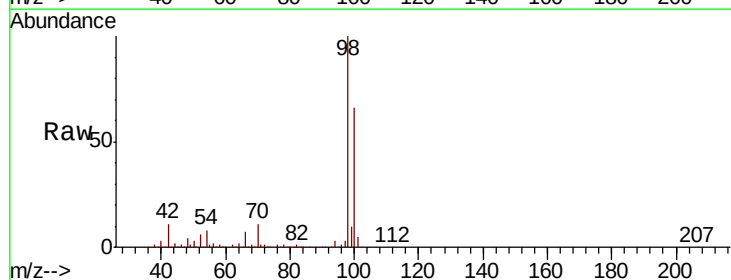


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

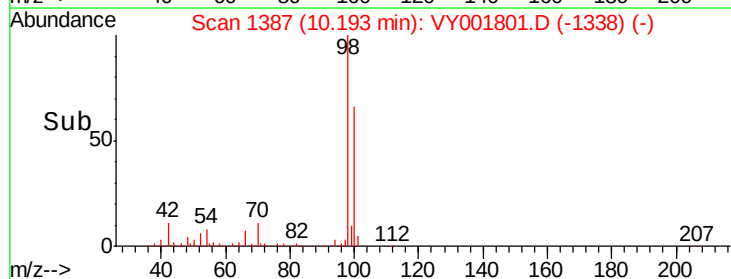
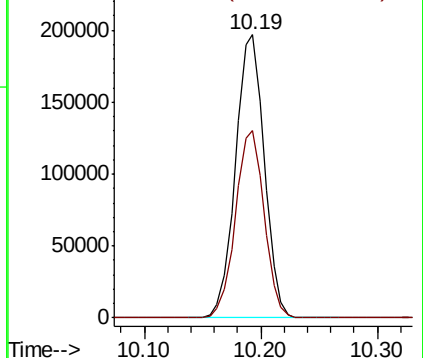


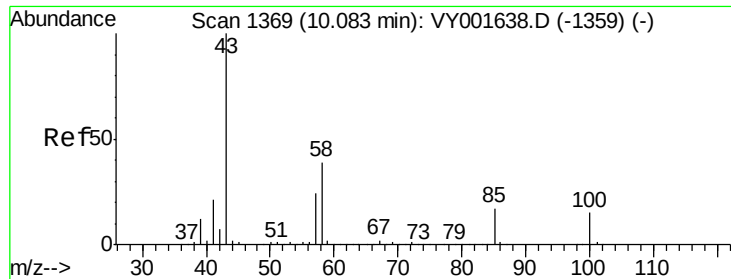
#50
Toluene-d8
Concen: 52.905 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001801.D
Acq: 28 Feb 2020 16:26

Tgt Ion: 98 Resp: 339306
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.089 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

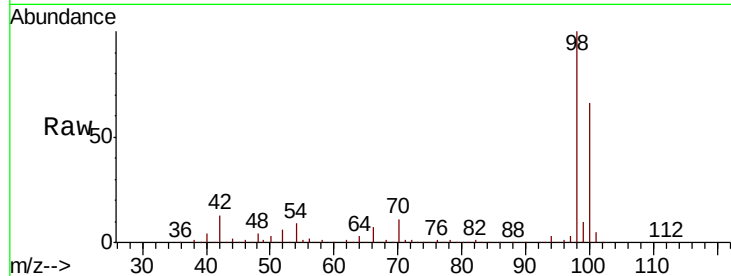
FK-SF-01-009-B

Tot Ion: 43 Resp: 1730

Ion Ratio Lower Upper

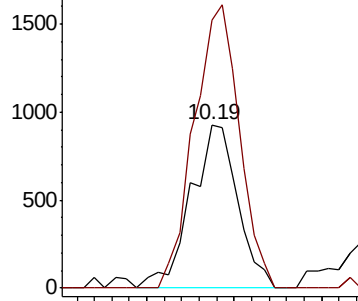
43 100

58 167.7 32.2 48.4#

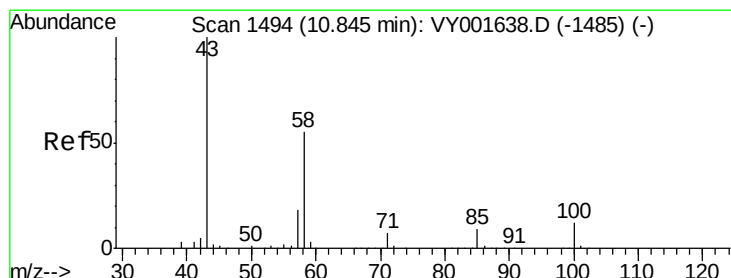
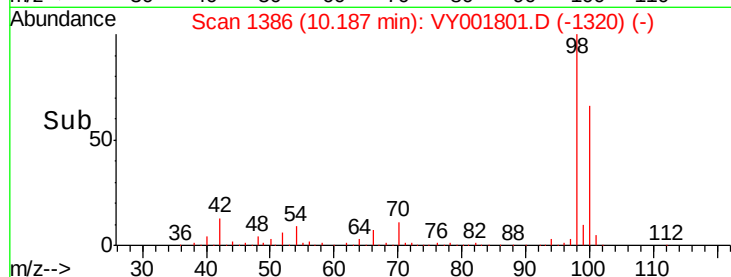


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#59

2-Hexanone

Concen: 1.658 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.04 min

Lab File: VY001801.D

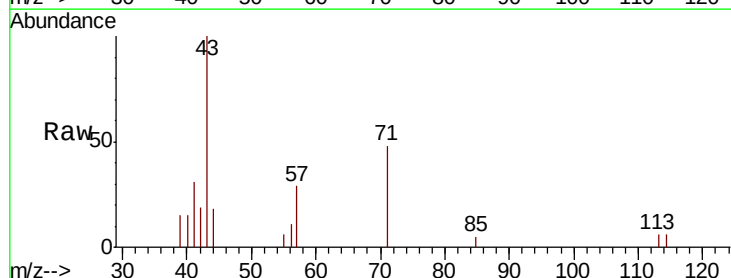
Acq: 28 Feb 2020 16:26

Tgt Ion: 43 Resp: 1976

Ion Ratio Lower Upper

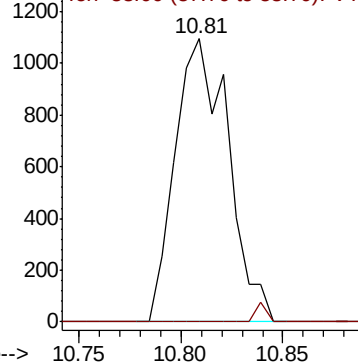
43 100

58 0.0 28.4 85.2#

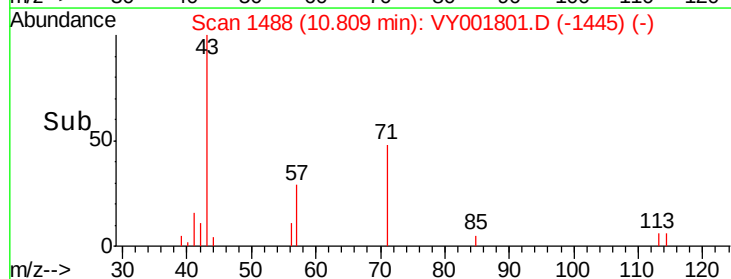


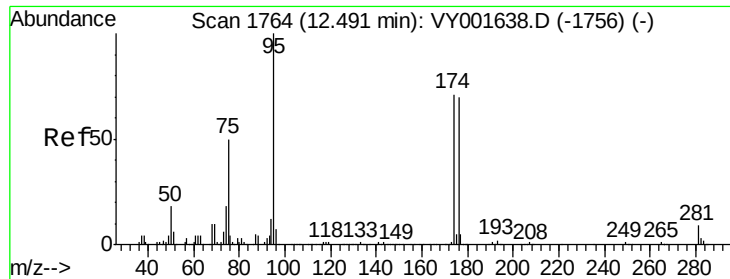
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->

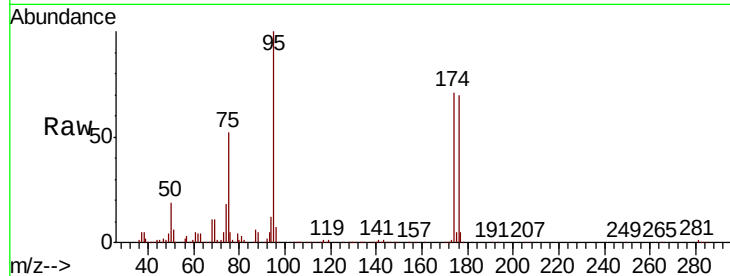




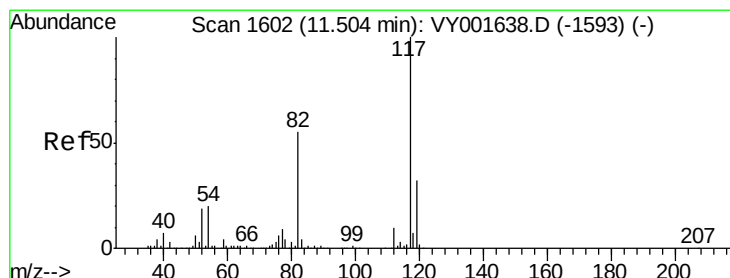
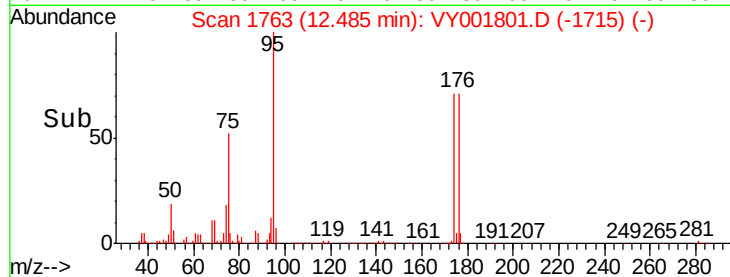
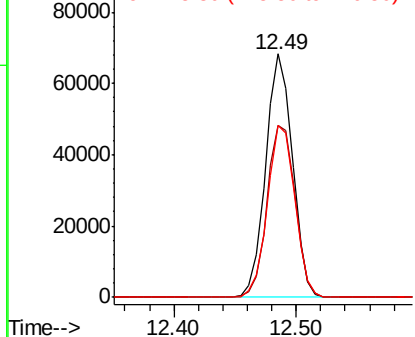
#62
4-Bromofluorobenzene
Concen: 41.864 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001801.D
Acq: 28 Feb 2020 16:26

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-01-009-B

Tot Ion: 95 Resp: 104309
Ion Ratio Lower Upper
95 100
174 73.6 0.0 138.4
176 72.1 0.0 131.8

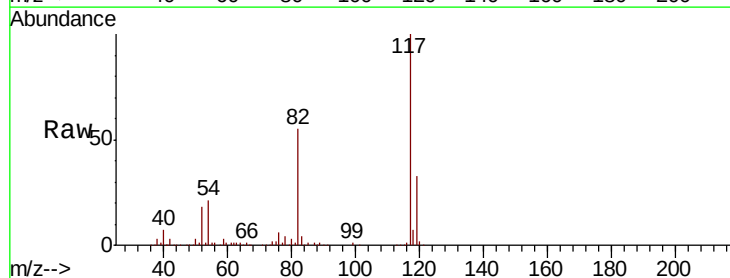


Abundance Ion 94.90 (94.60 to 95.60): VY001801.D (-1756) (-)
Ion 173.80 (173.50 to 174.50): VY001801.D (-1756) (-)
Ion 175.80 (175.50 to 176.50): VY001801.D (-1756) (-)

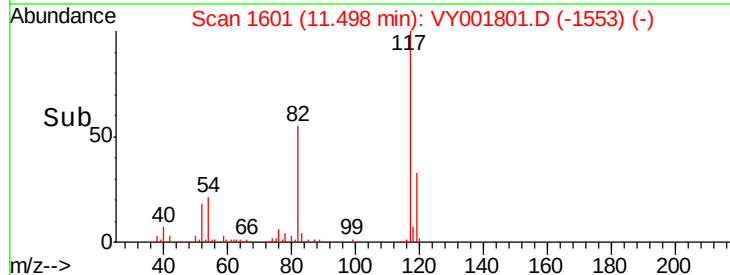
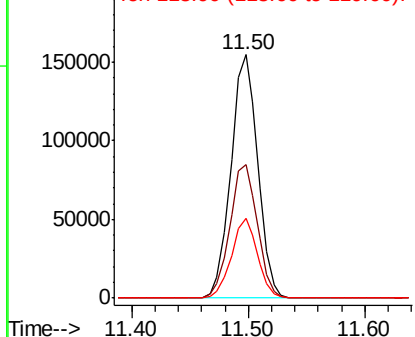


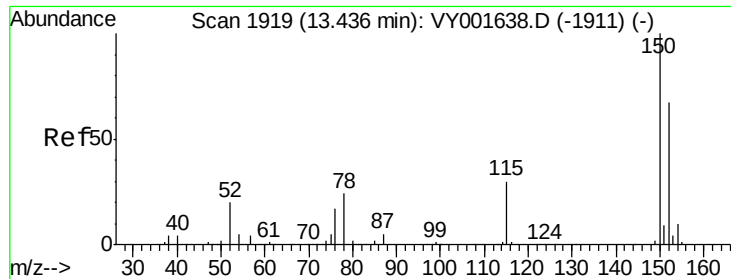
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001801.D
Acq: 28 Feb 2020 16:26

Tgt Ion: 117 Resp: 247929
Ion Ratio Lower Upper
117 100
82 55.1 45.5 68.3
119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VY001801.D (-1553) (-)
Ion 82.00 (81.70 to 82.70): VY001801.D (-1553) (-)
Ion 118.90 (118.60 to 119.60): VY001801.D (-1553) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-009-B

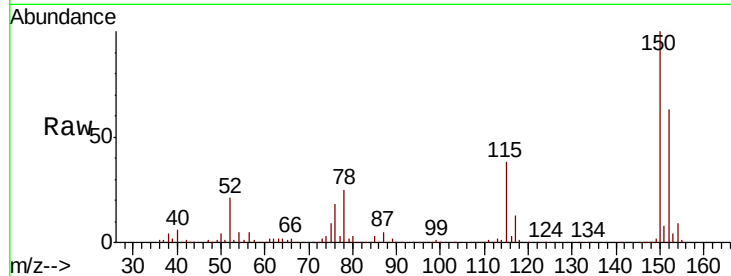
Tot Ion:152 Resp: 94748

Ion Ratio Lower Upper

152 100

115 61.3 31.4 94.2

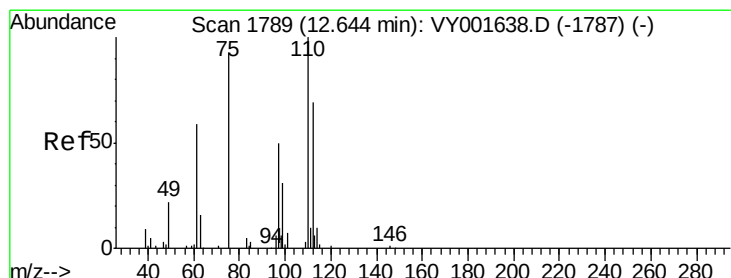
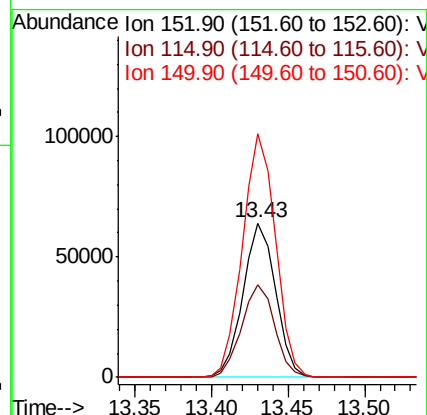
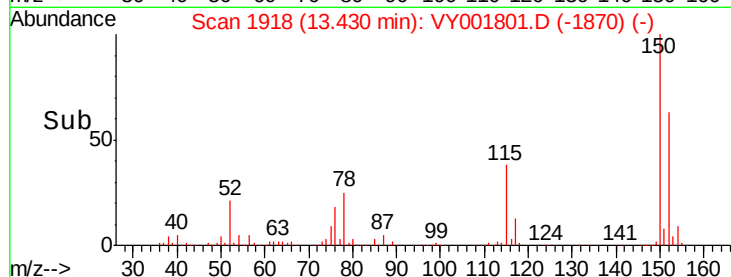
150 160.0 0.0 407.2



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: 49.821 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001801.D

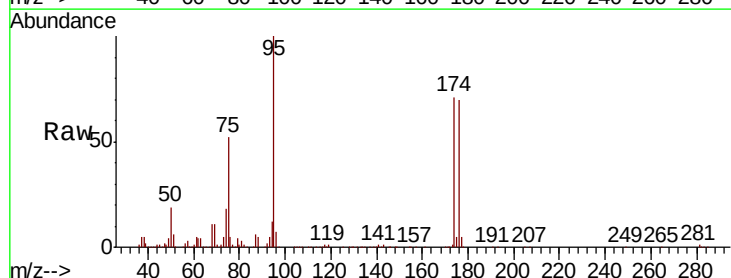
Acq: 28 Feb 2020 16:26

Tgt Ion: 75 Resp: 54150

Ion Ratio Lower Upper

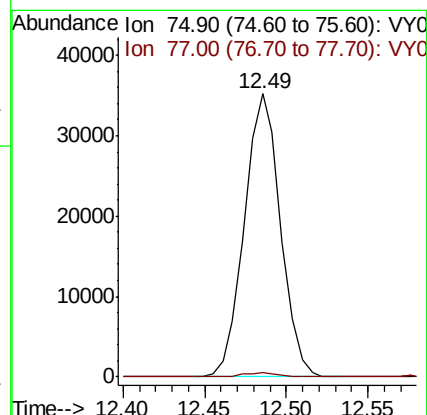
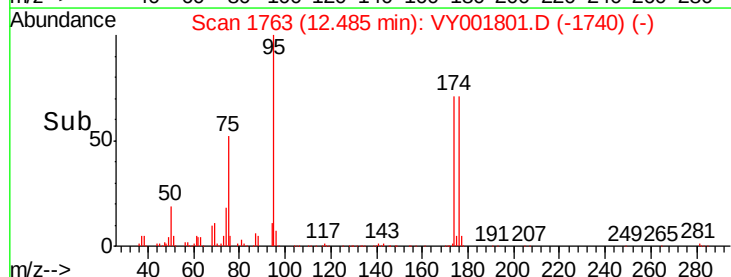
75 100

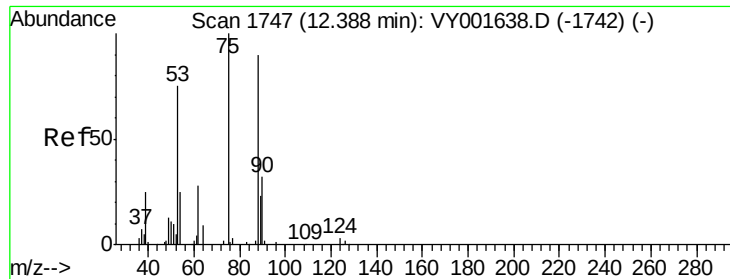
77 1.7 0.0 0.0#



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: 94.520 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-01-009-B

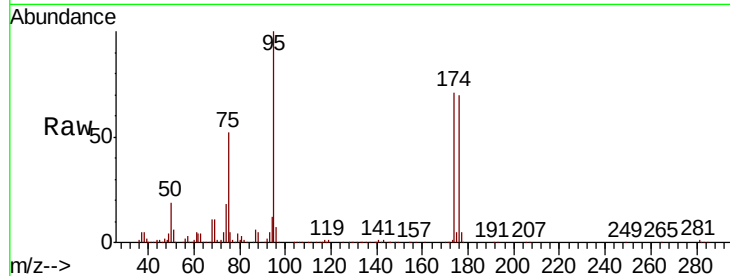
Tot Ion: 75 Resp: 54150

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

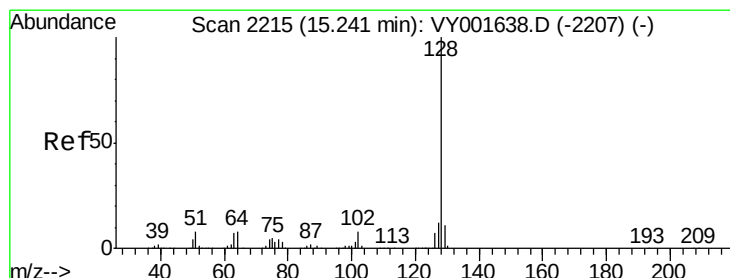
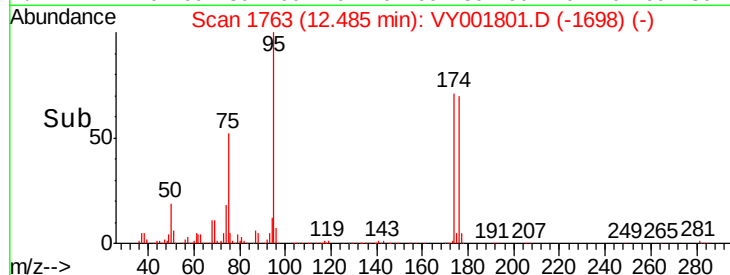
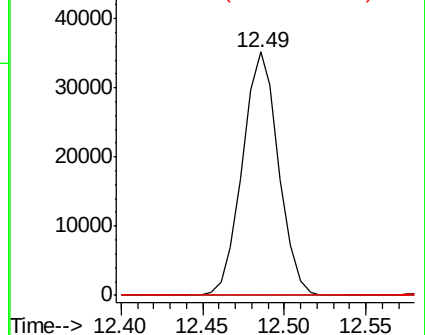
89 0.1 36.3 54.5#



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



#95

Naphthalene

Concen: 1.755 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001801.D

Acq: 28 Feb 2020 16:26

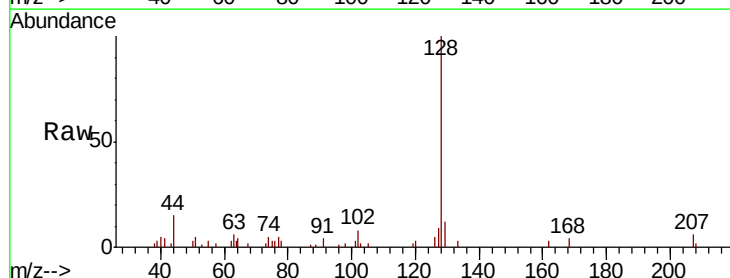
Tgt Ion: 128 Resp: 7510

Ion Ratio Lower Upper

128 100

127 11.7 9.9 14.9

129 14.6 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

