

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001672.D
 Acq On : 18 Feb 2020 15:43
 Operator : SY/MD
 Sample : L1548-02RE
 Misc : 4.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-PS-01-063

Quant Time: Feb 19 06:46:55 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	156212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	286100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	249033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	98381	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	95859	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	
35) Dibromofluoromethane	7.75	113	84693	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.20	98	348603	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
62) 4-Bromofluorobenzene	12.49	95	108396	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	

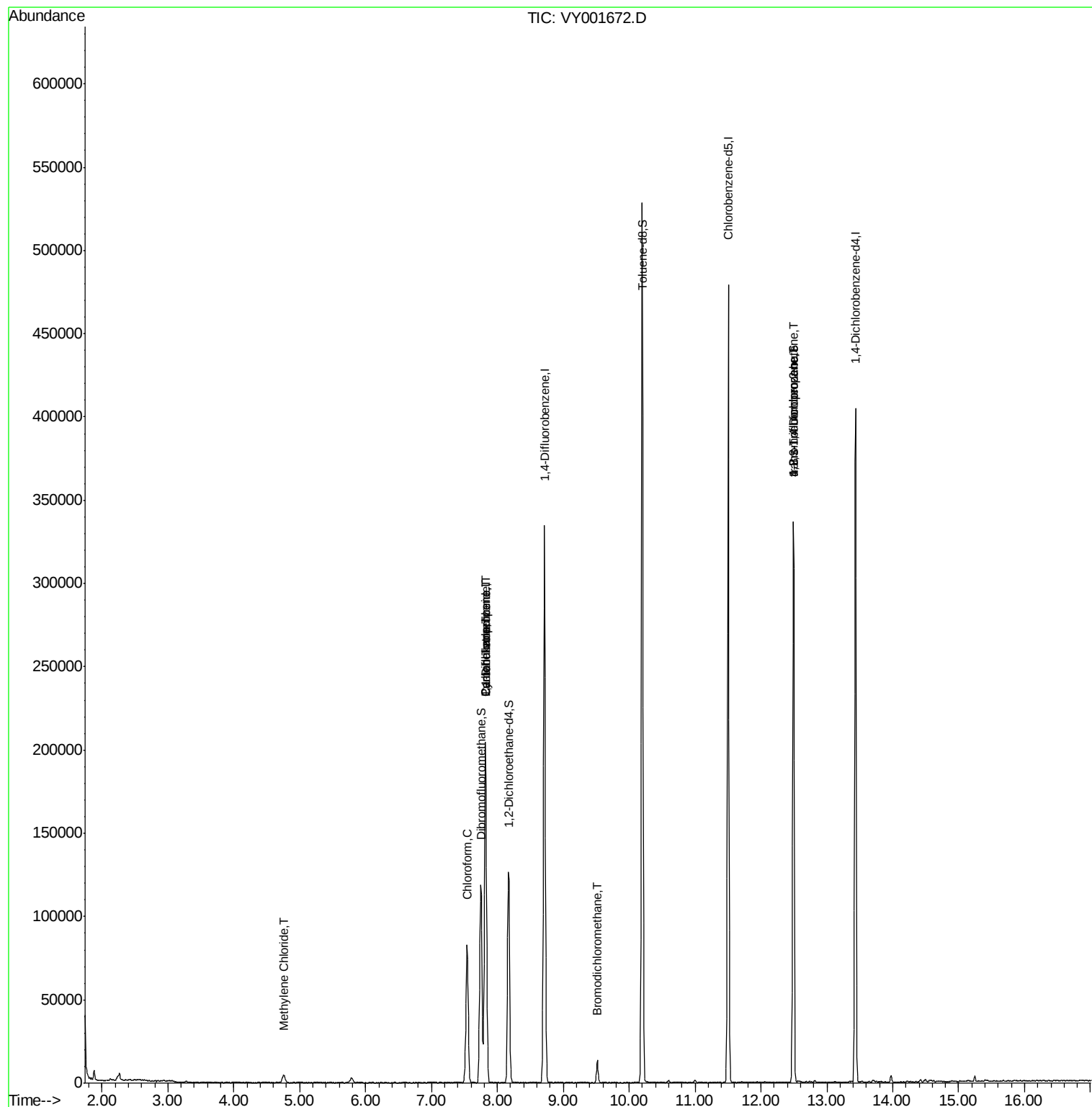
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	350	Below Cal	#	74
20) Methylene Chloride	4.76	84	3262	1.580	ug/l	96
30) Chloroform	7.54	83	80317	24.827	ug/l	100
31) Cyclohexane	7.82	56	3665	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13392	4.900	ug/l #	49
38) Carbon Tetrachloride	7.82	117	15180	6.324	ug/l #	17
47) Bromodichloromethane	9.52	83	8403	3.307	ug/l	89
76) 1,2,3-Trichloropropane	12.49	75	54270	48.088	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54270	91.231	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001672.D

Acq: 18 Feb 2020 15:43

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MSVOA_Y

ClientSampleId :

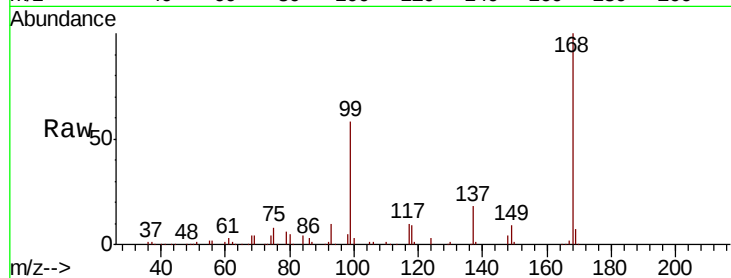
FK-PS-01-063

Tot Ion:168 Resp: 156212

Ion Ratio Lower Upper

168 100

99 57.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001672.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001672.D (-948) (-)

7.82

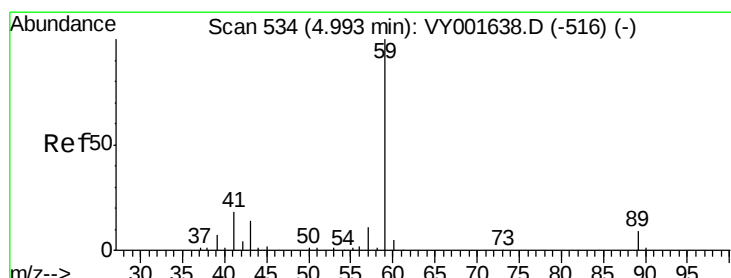
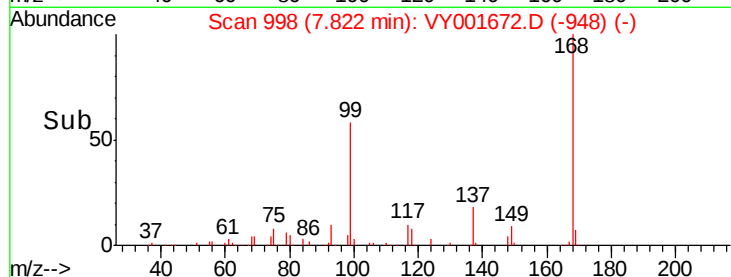
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001672.D

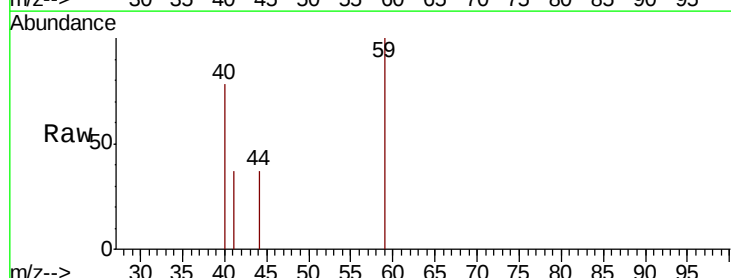
Acq: 18 Feb 2020 15:43

Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001672.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001672.D (-485) (-)

4.99

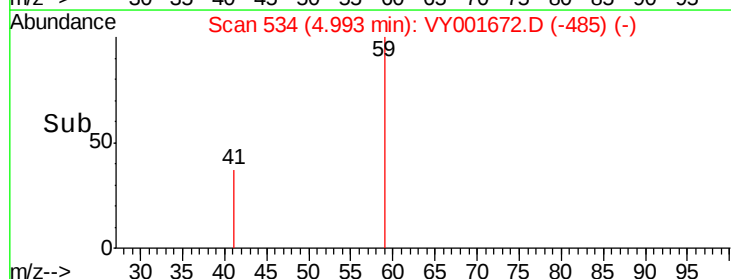
150

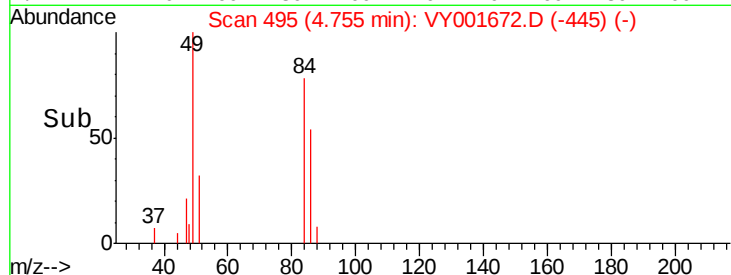
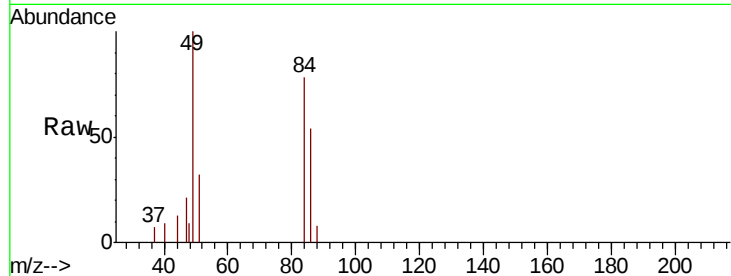
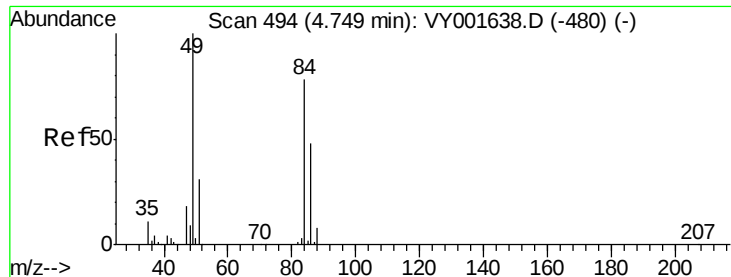
100

50

0

Time--> 4.95 5.00 5.05

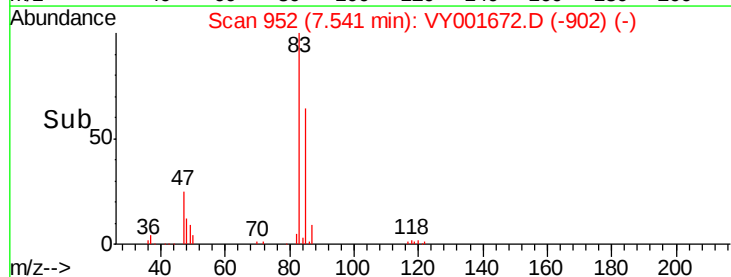
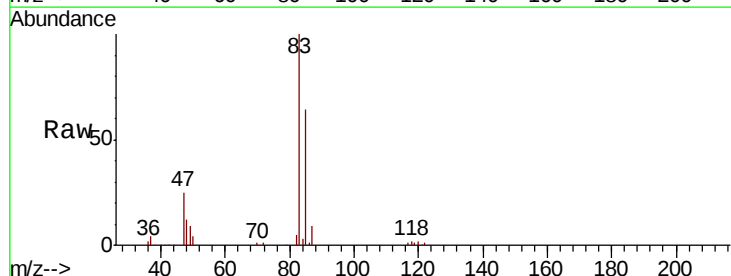
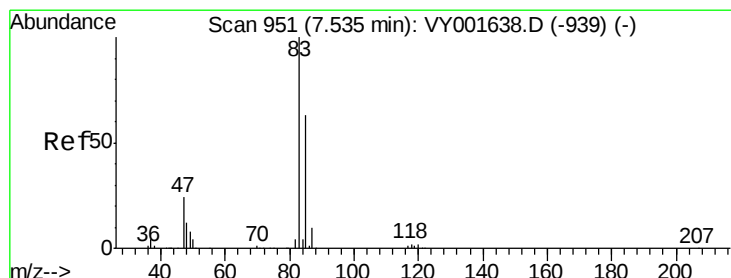
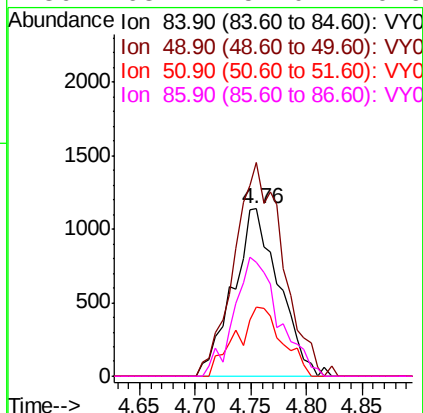




#20
Methvlene Chloride
Concen: 1.580 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

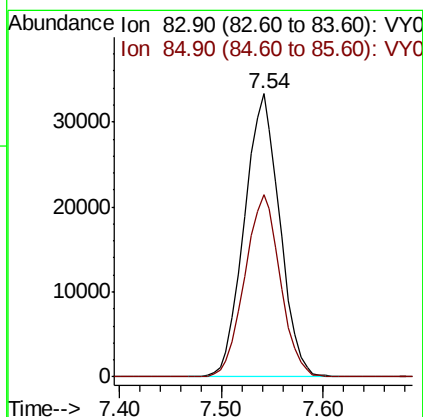
Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-063

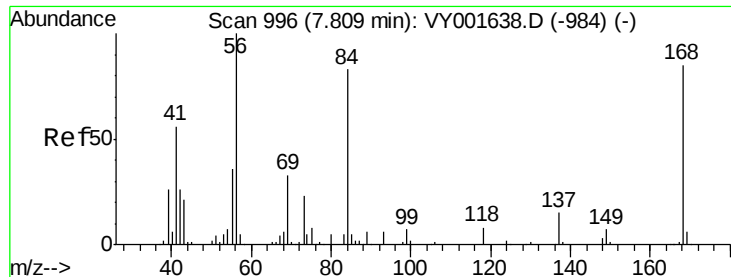
Tot Ion: 84 Resp: 3262
Ion Ratio Lower Upper
84 100
49 127.5 99.2 148.8
51 41.0 31.5 47.3
86 68.2 51.0 76.6



#30
Chloroform
Concen: 24.827 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

Tgt Ion: 83 Resp: 80317
Ion Ratio Lower Upper
83 100
85 64.4 51.6 77.4

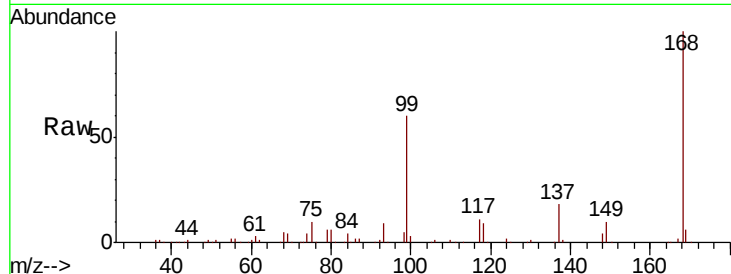




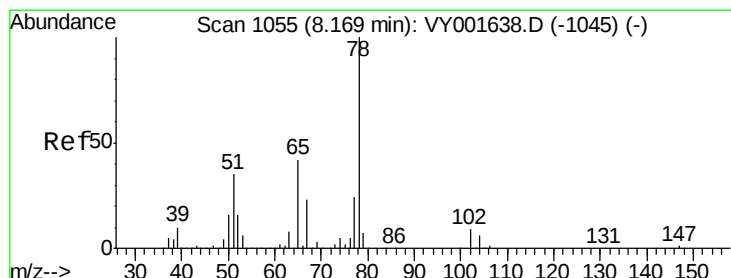
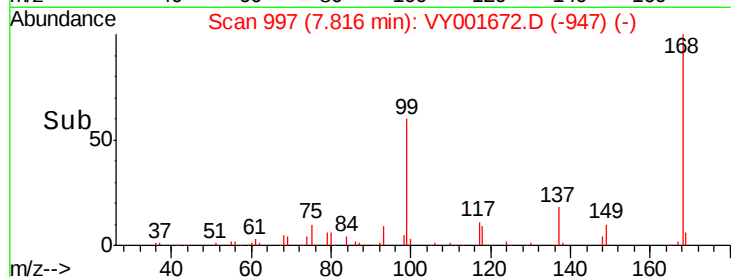
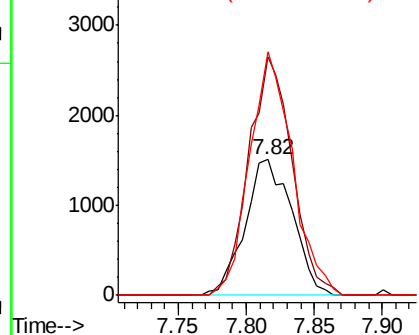
#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-063

Tot Ion: 56 Resp: 3665
Ion Ratio Lower Upper
56 100
69 174.9 25.1 37.7#
84 179.0 66.9 100.3#

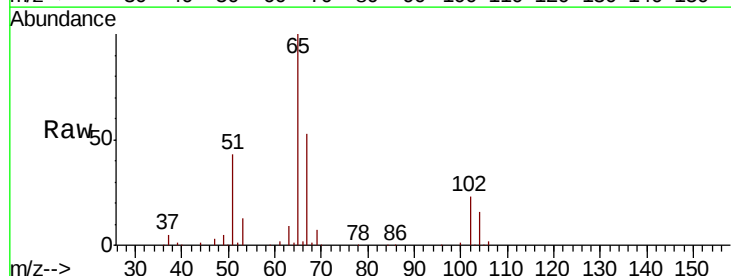


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

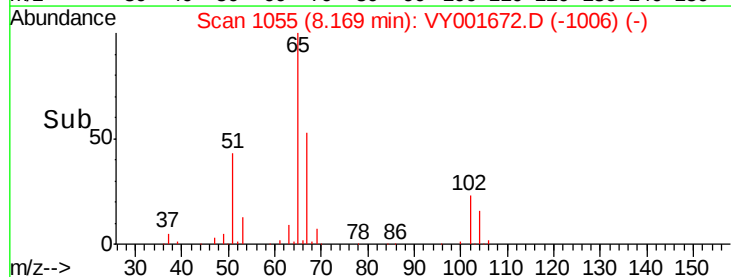
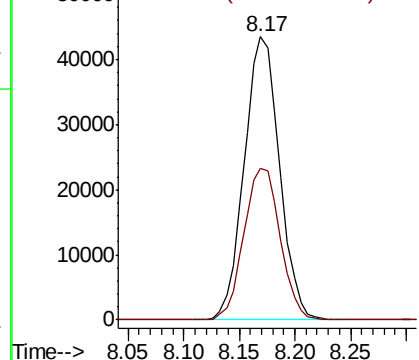


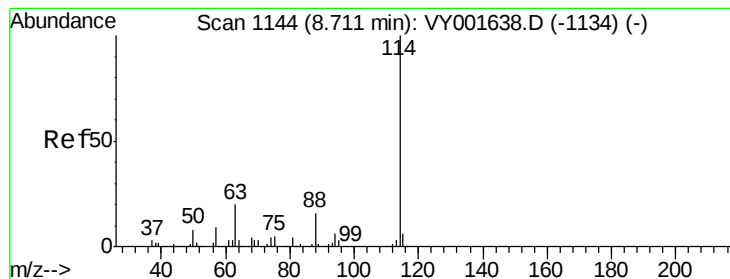
#33
1,2-Dichloroethane-d4
Concen: 57.049 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

Tgt Ion: 65 Resp: 95859
Ion Ratio Lower Upper
65 100
67 55.2 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: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001672.D

Acq: 18 Feb 2020 15:43

Instrument :

MSVOA_Y

ClientSampleId :

FK-PS-01-063

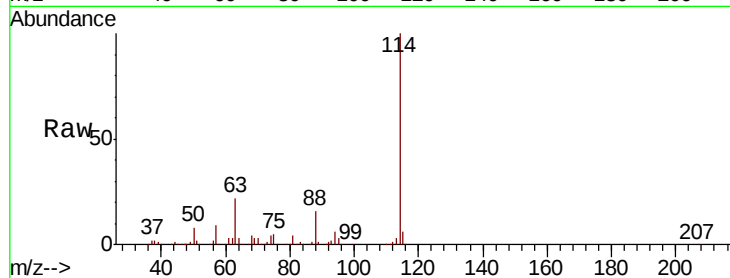
Tot Ion:114 Resp: 286100

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.4

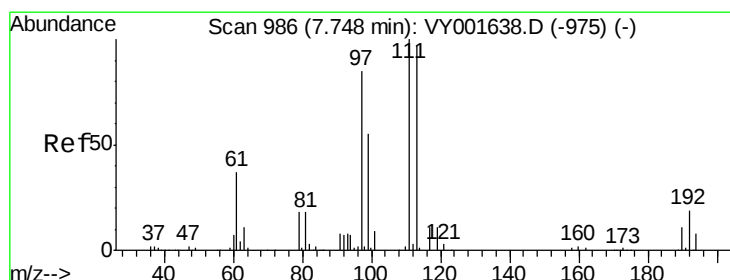
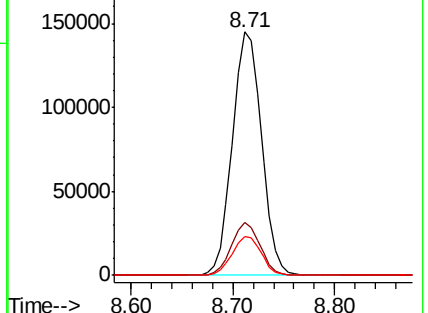
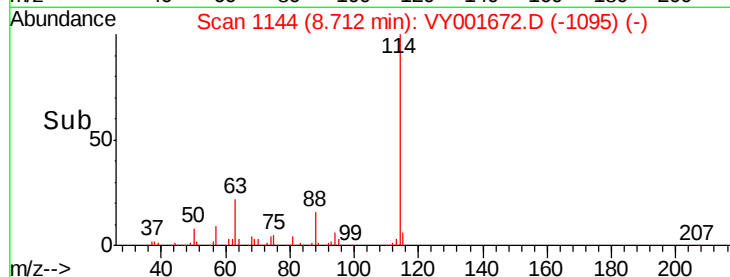
88 16.1 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 51.684 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001672.D

Acq: 18 Feb 2020 15:43

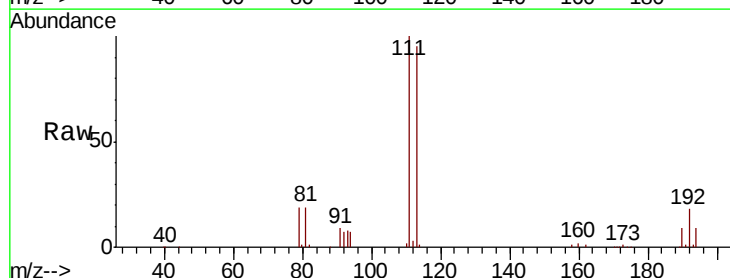
Tgt Ion:113 Resp: 84693

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

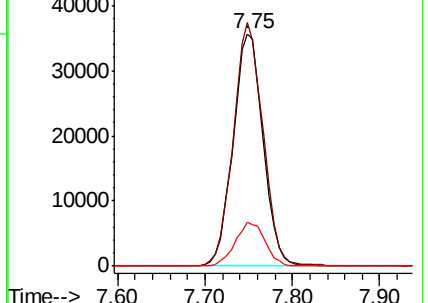
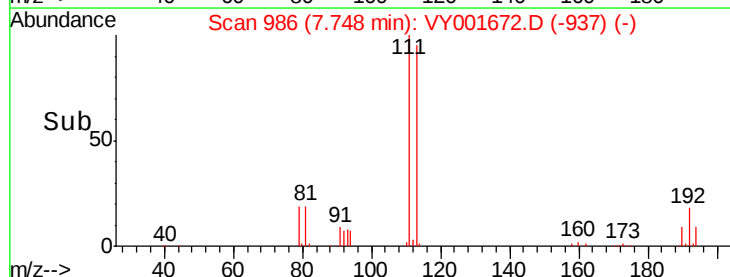
192 18.7 14.3 21.5

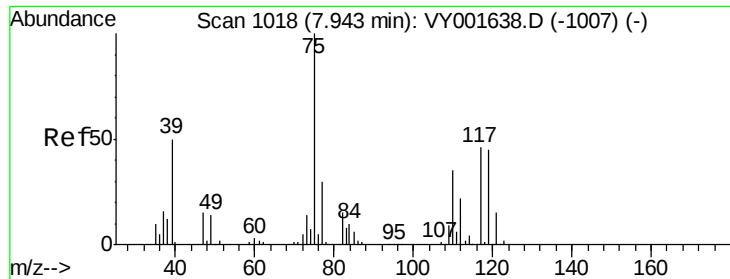


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

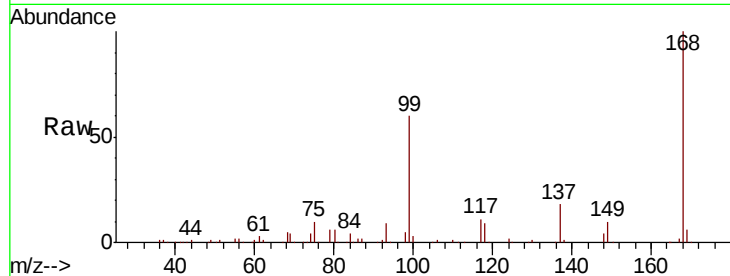




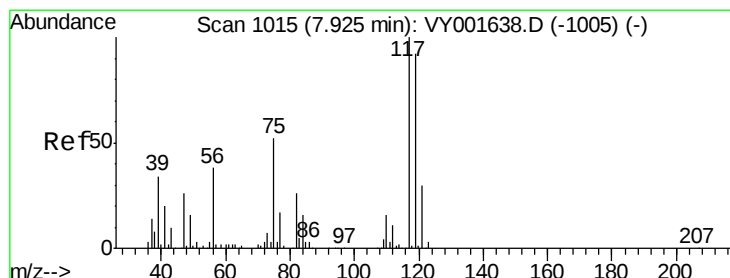
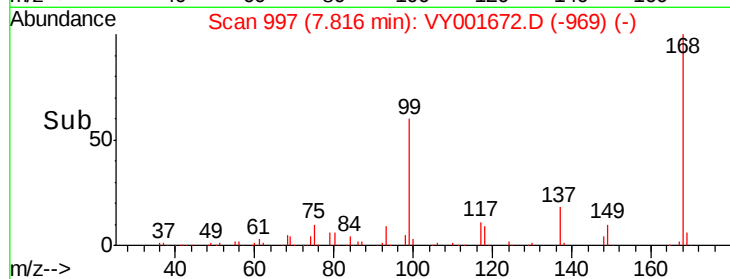
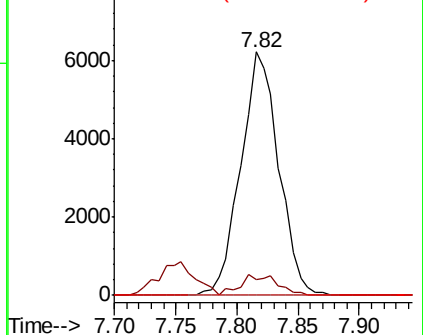
#36
 1,1-Dichloropropene
 Concen: 4.900 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001672.D
 Acq: 18 Feb 2020 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-PS-01-063

Tot Ion	75	Resp	13392
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	17.2	51.6#
77	0.0	24.8	37.2#

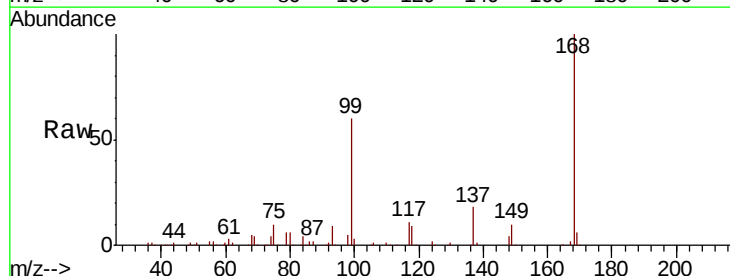


Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-1007) (-)
 Ion 109.90 (109.60 to 110.60): VY001638.D (-1007) (-)
 Ion 76.90 (76.60 to 77.60): VY001638.D (-1007) (-)

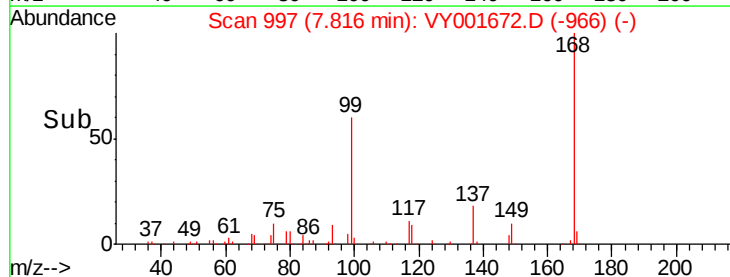
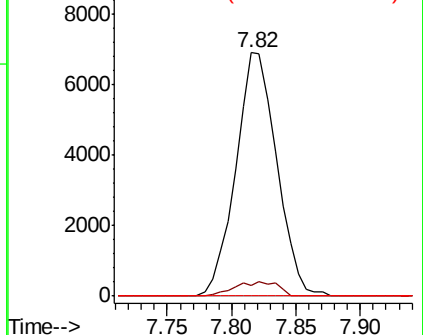


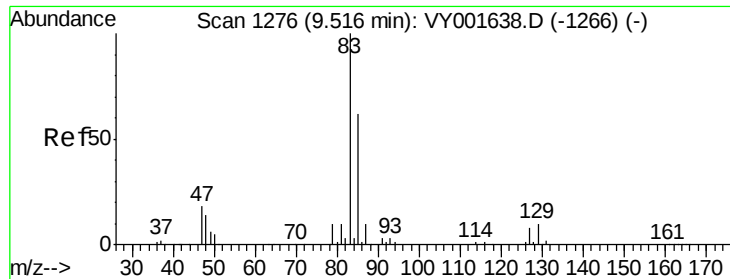
#38
 Carbon Tetrachloride
 Concen: 6.324 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001672.D
 Acq: 18 Feb 2020 15:43

Tgt Ion	117	Resp	15180
Ion Ratio	100	Lower	Upper
117	100		
119	4.6	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY001638.D (-1005) (-)
 Ion 118.80 (118.50 to 119.50): VY001638.D (-1005) (-)
 Ion 120.80 (120.50 to 121.50): VY001638.D (-1005) (-)

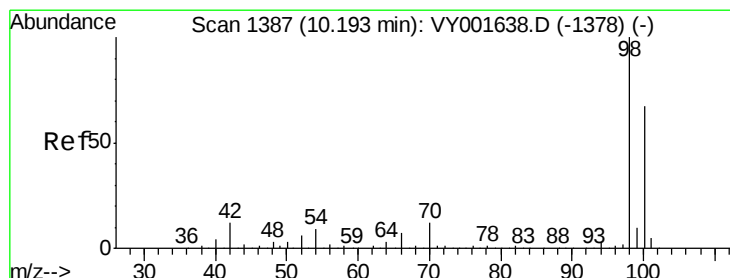
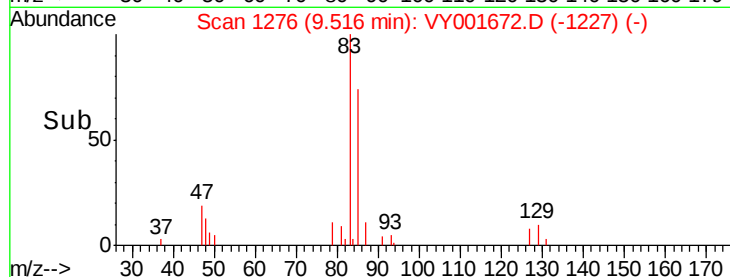
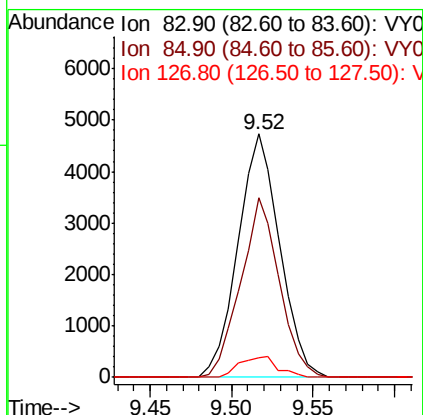
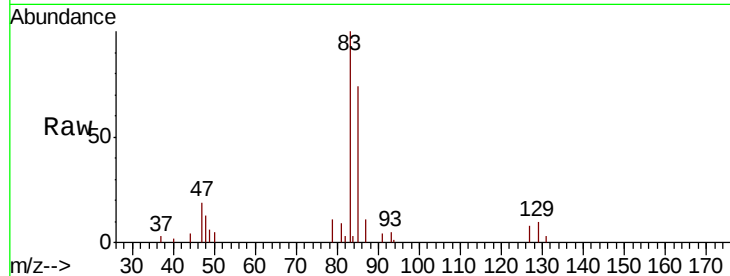




#47
Bromodichloromethane
Concen: 3.307 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

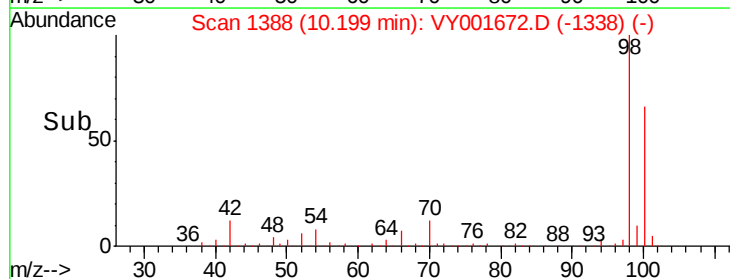
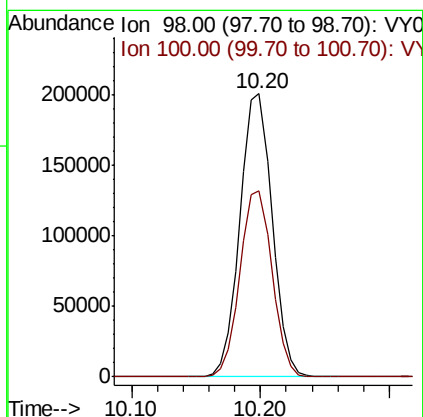
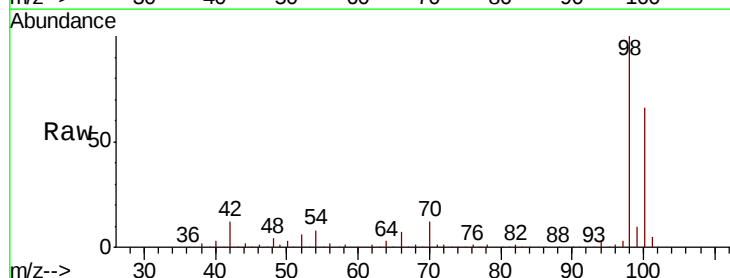
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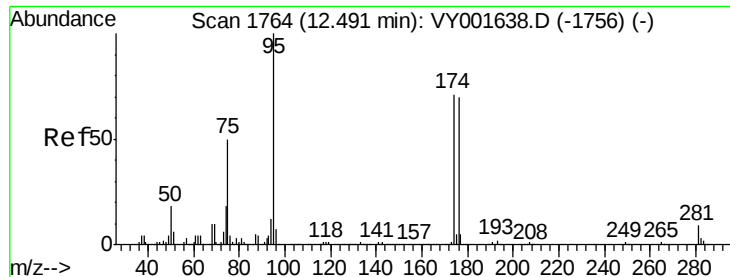
Tot Ion: 83 Resp: 8403
Ion Ratio Lower Upper
83 100
85 74.0 51.4 77.0
127 8.2 6.4 9.6



#50
Toluene-d8
Concen: 54.302 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

Tgt Ion: 98 Resp: 348603
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

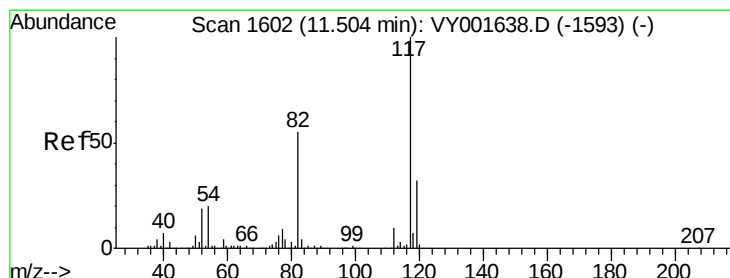
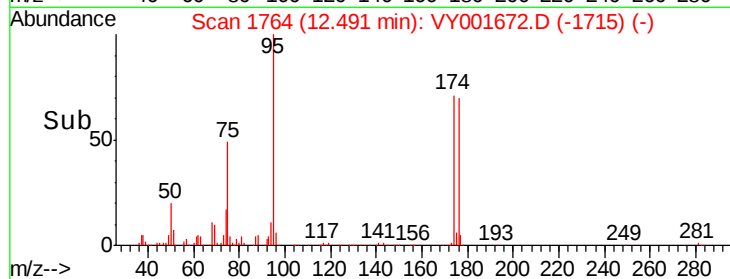
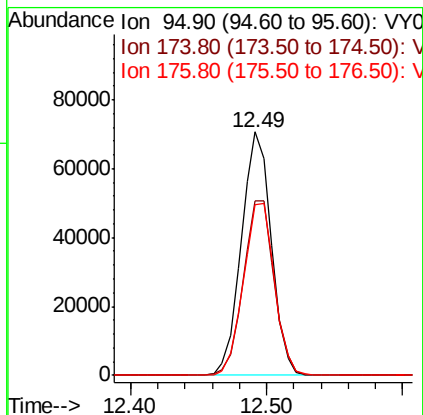
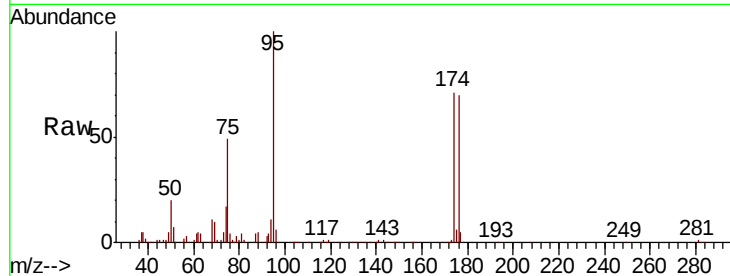




#62
4-Bromofluorobenzene
Concen: 43.462 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

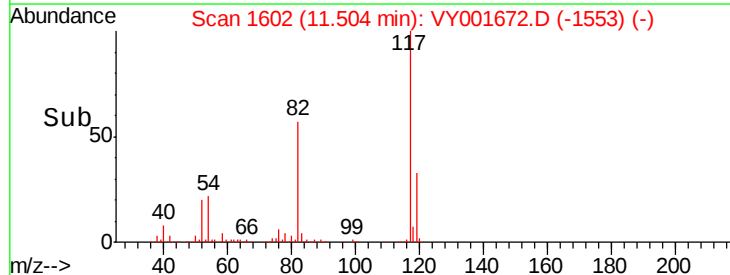
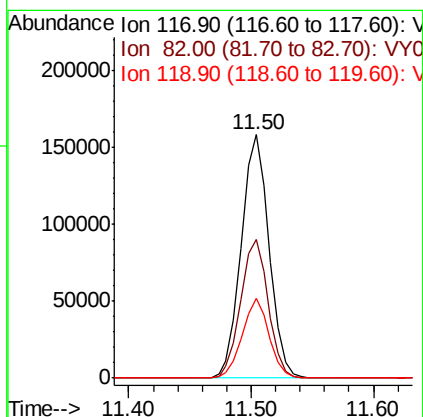
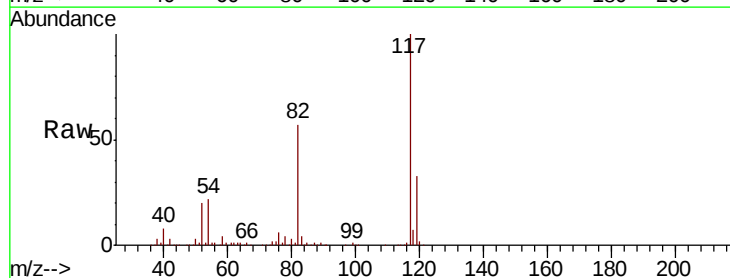
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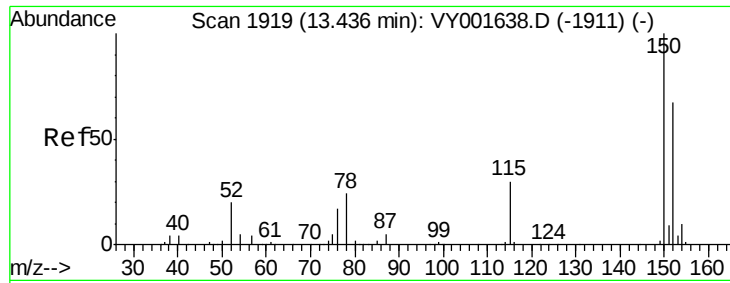
Tot Ion	95	Resp	108396
Ion Ratio	Lower	Upper	
95	100		
174	74.0	0.0	138.4
176	73.6	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001672.D
Acq: 18 Feb 2020 15:43

Tgt Ion	117	Resp	249033
Ion Ratio	Lower	Upper	
117	100		
82	56.8	45.5	68.3
119	32.7	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: VY001672.D

Acq: 18 Feb 2020 15:43

Instrument :

MSVOA_Y

ClientSampleId :

FK-PS-01-063

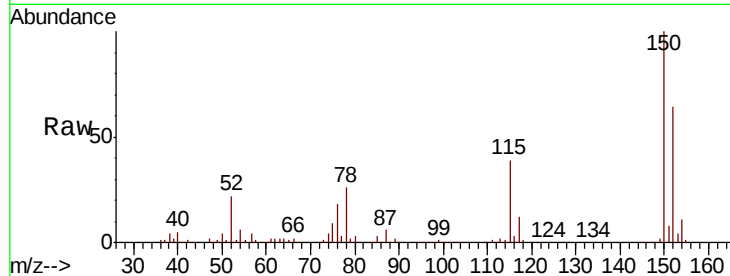
Tot Ion:152 Resp: 98381

Ion Ratio Lower Upper

152 100

115 60.2 31.4 94.2

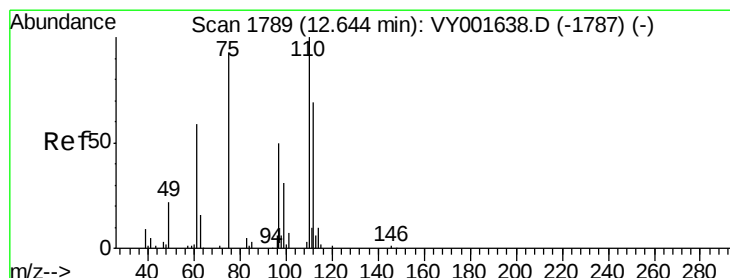
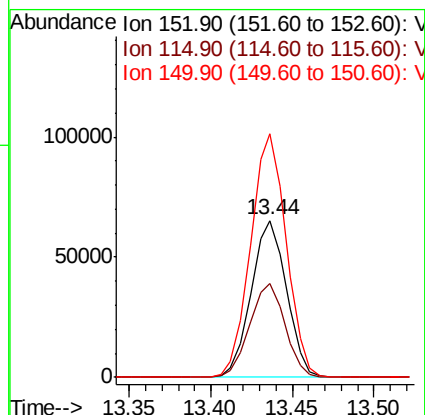
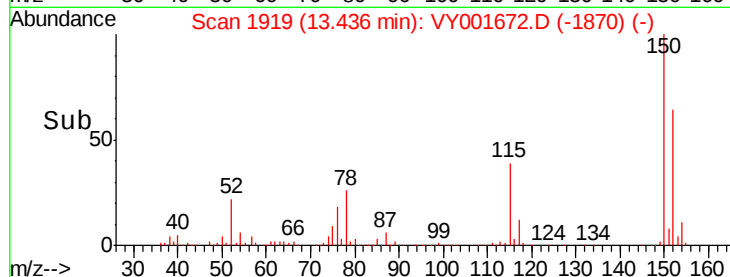
150 156.3 0.0 407.2



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: 48.088 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001672.D

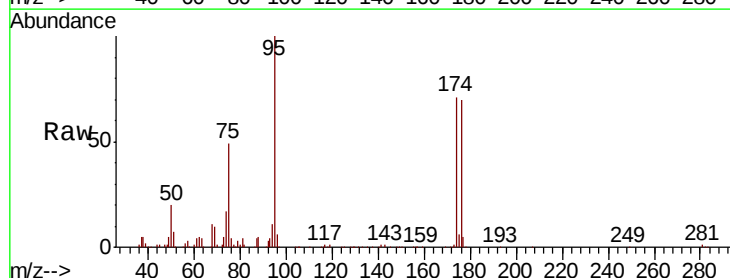
Acq: 18 Feb 2020 15:43

Tgt Ion: 75 Resp: 54270

Ion Ratio Lower Upper

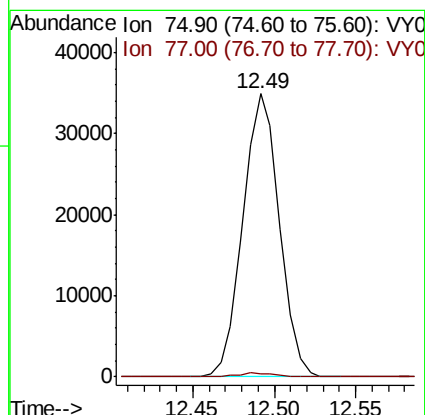
75 100

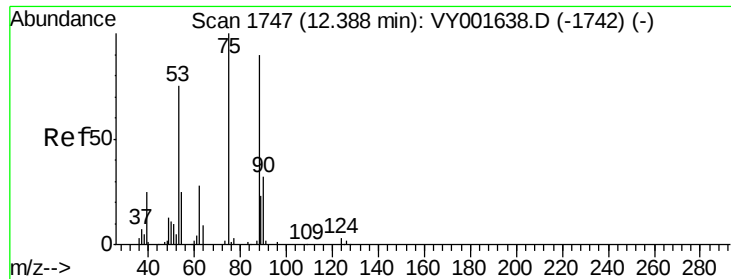
77 1.6 0.0 0.0#



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: 91.231 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001672.D

Acq: 18 Feb 2020 15:43

Instrument :

MSVOA_Y

ClientSampleId :

FK-PS-01-063

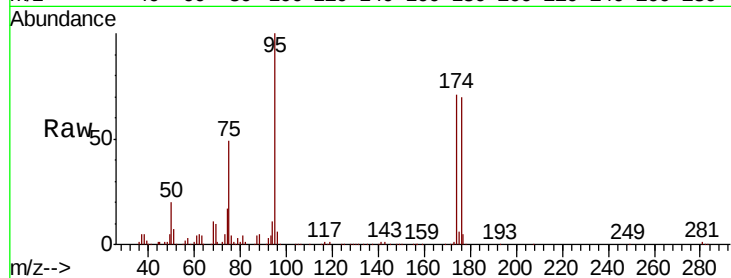
Tot Ion: 75 Resp: 54270

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 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

