

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000961.D
 Acq On : 16 Dec 2019 17:40
 Operator : SY/MD
 Sample : K6318-01
 Misc : 6.5G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 X089-SB-1

Quant Time: Dec 17 06:07:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

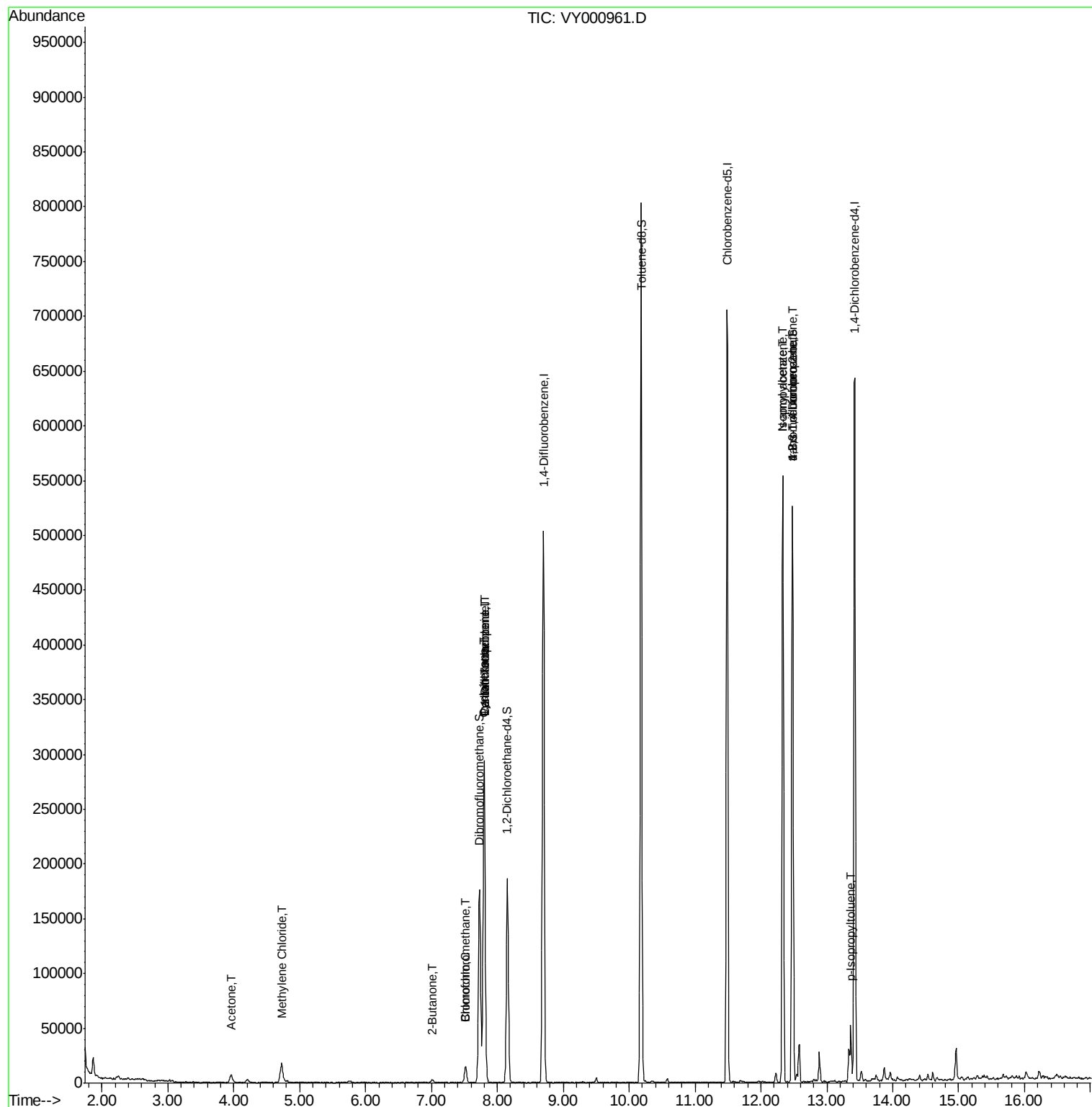
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	230738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	432170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	382135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	136820	55.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.60%	
35) Dibromofluoromethane	7.73	113	126066	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
50) Toluene-d8	10.18	98	513369	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.48	95	168464	44.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.10%	
Target Compounds						
5) Bromomethane	2.65	94	35	Below Cal		95
16) Acetone	3.96	43	12630	22.456	ug/l	94
20) Methylene Chloride	4.72	84	12727	4.293	ug/l	95
25) 2-Butanone	7.00	43	4054	3.902	ug/l #	77
28) Bromochloromethane	7.52	49	1137	2.621	ug/l #	15
30) Chloroform	7.52	83	14158	2.872	ug/l	90
31) Cyclohexane	7.79	56	5222	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18750	4.363	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22842	5.969	ug/l #	14
73) Isopropylbenzene	12.33	105	20550	1.605	ug/l #	59
74) N-amyl acetate	12.33	43	11588	3.251	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	85807	47.089	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85807	92.496	ug/l #	17
86) p-Isopropyltoluene	13.36	119	28303	2.510	ug/l	93

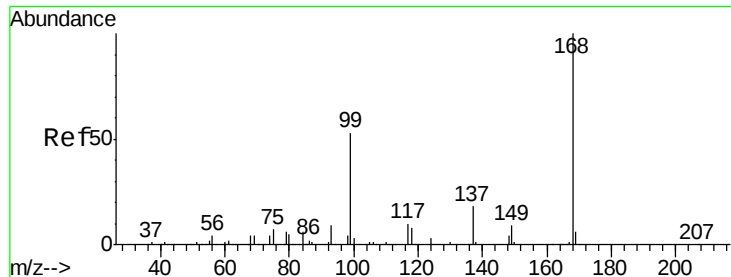
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

Instrument :

MSVOA_Y

ClientSampleId :

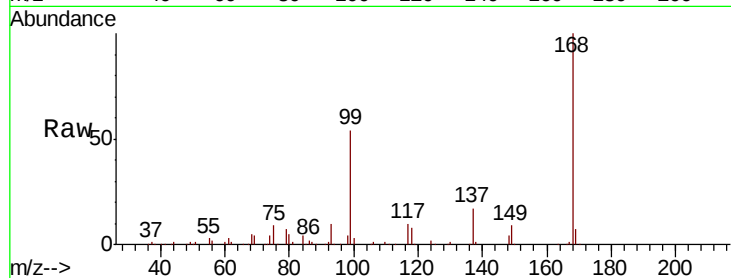
X089-SB-1

Tgt Ion:168 Resp: 230738

Ion Ratio Lower Upper

168 100

99 53.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000961.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000961.D (-946) (-)

7.80

100000

80000

60000

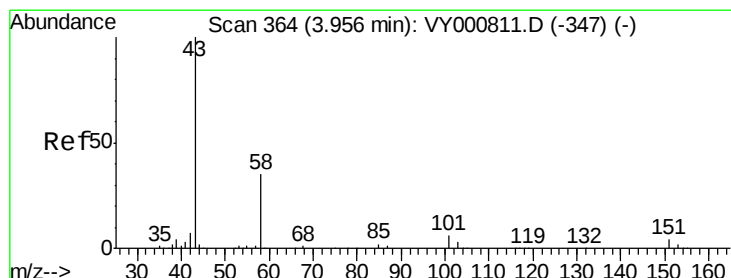
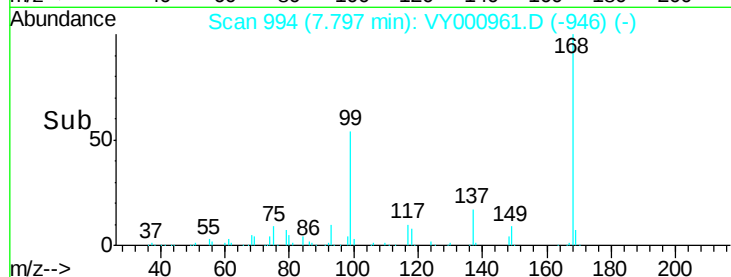
40000

20000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#16

Acetone

Concen: 22.456 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000961.D

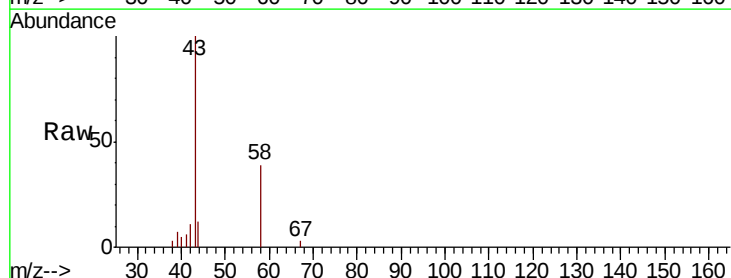
Acq: 16 Dec 2019 17:40

Tgt Ion: 43 Resp: 12630

Ion Ratio Lower Upper

43 100

58 38.6 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000961.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY000961.D (-315) (-)

3.96

5000

4000

3000

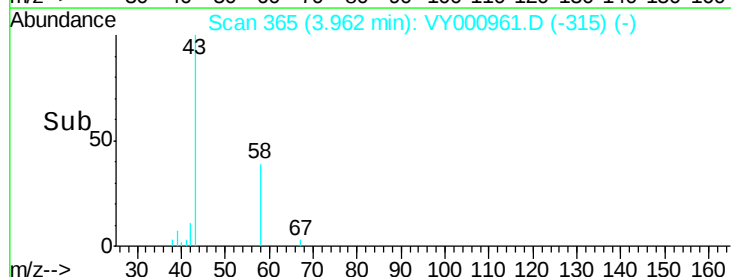
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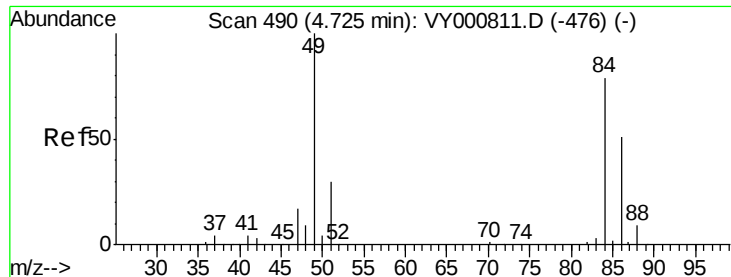
1000

0

3.90 3.95 4.00 4.05 4.10

Time-->

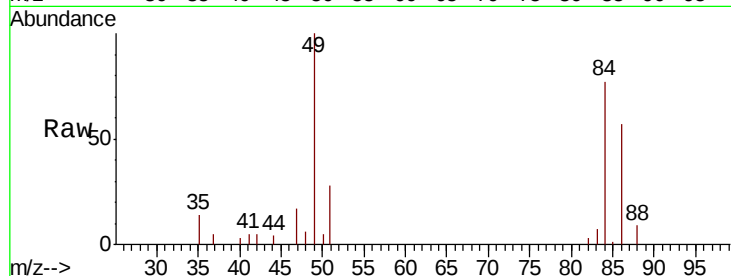




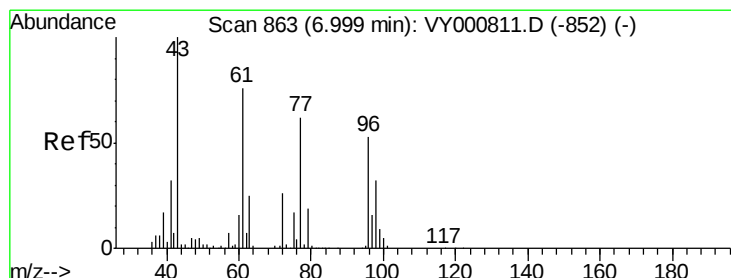
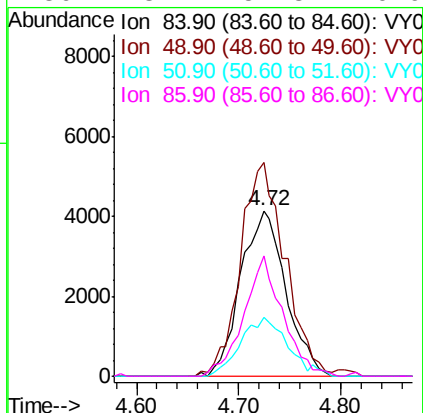
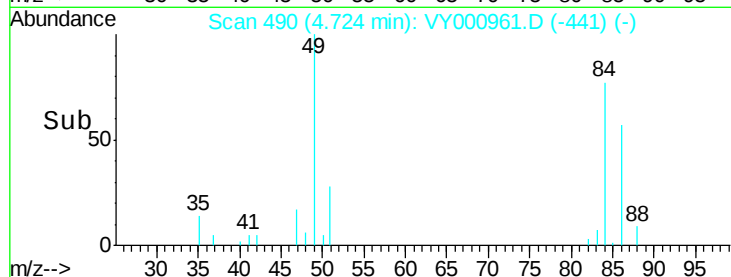
#20
Methylene Chloride
Concen: 4.293 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

Instrument :
MSVOA_Y
ClientSampleId :
X089-SB-1

Tgt Ion: 84 Resp: 12727
Ion Ratio Lower Upper
84 100
49 129.2 101.3 151.9
51 36.0 30.6 45.8
86 73.2 51.3 76.9

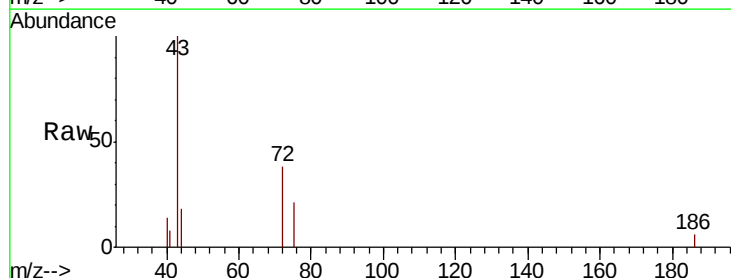


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

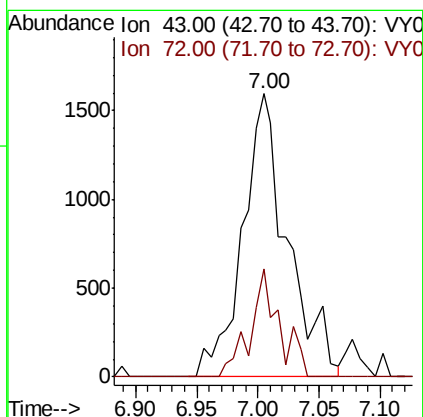
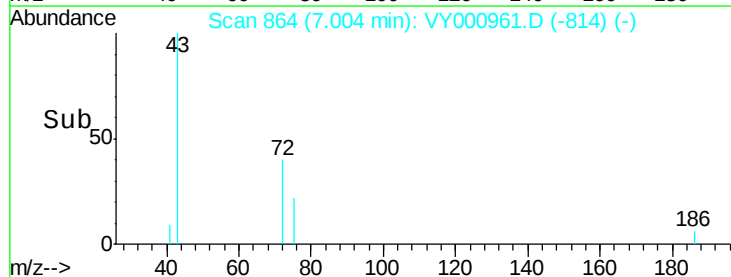


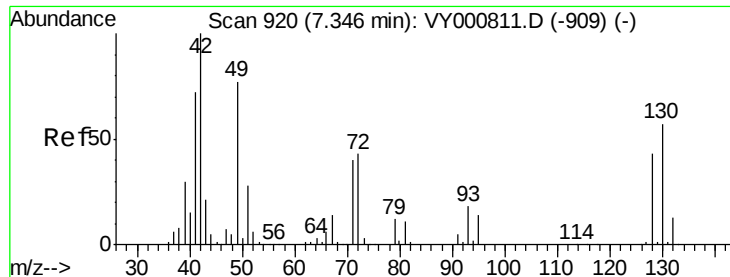
#25
2-Butanone
Concen: 3.902 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

Tgt Ion: 43 Resp: 4054
Ion Ratio Lower Upper
43 100
72 38.1 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

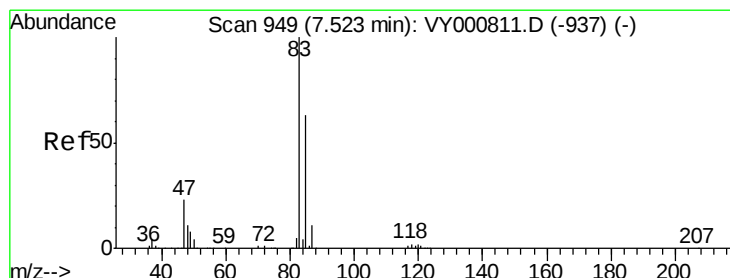
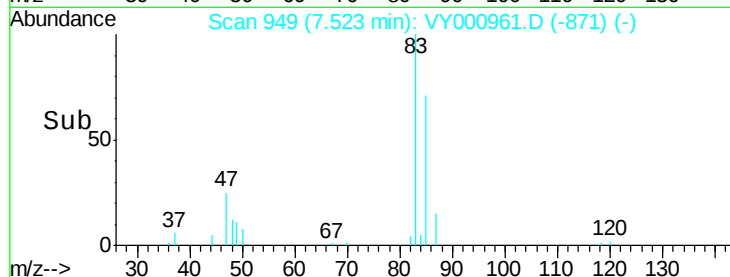
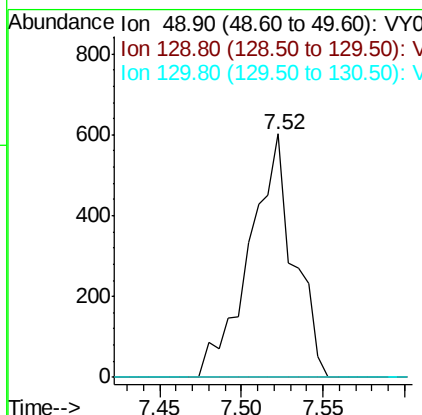
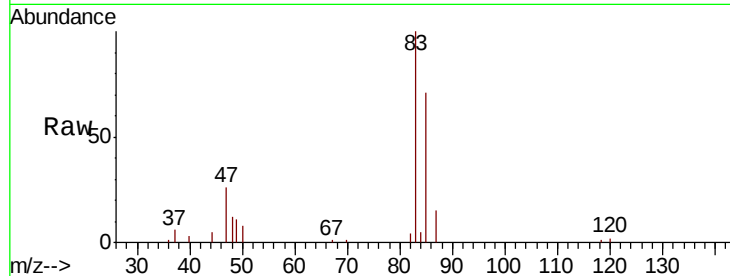




#28
Bromochloromethane
Concen: 2.621 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.18 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

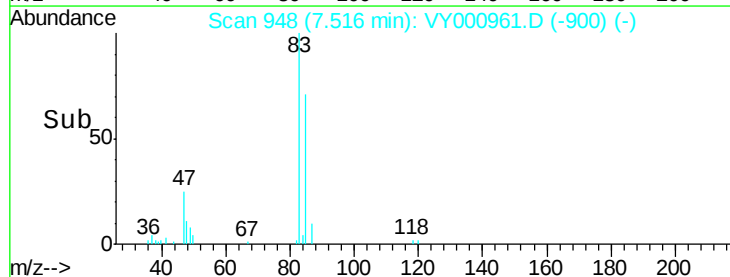
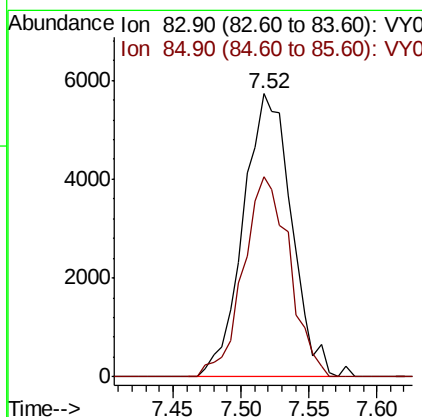
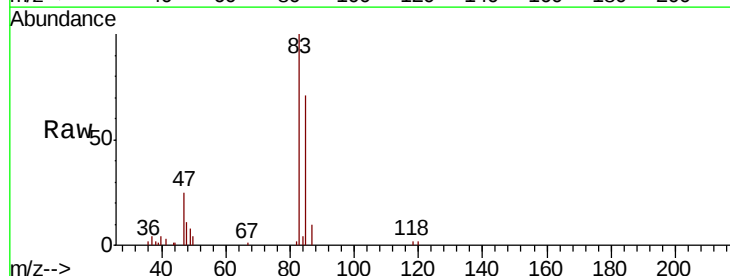
Instrument :
MSVOA_Y
ClientSampleId :
X089-SB-1

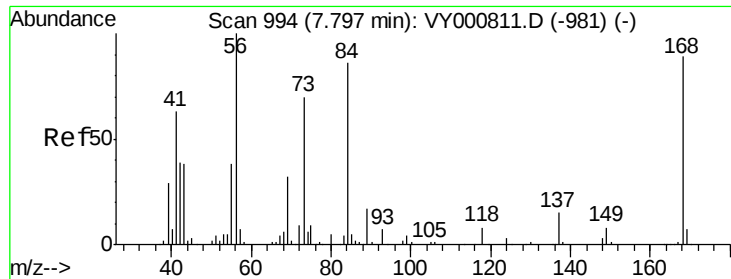
Tgt Ion: 49 Resp: 1137
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



#30
Chloroform
Concen: 2.872 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

Tgt Ion: 83 Resp: 14158
Ion Ratio Lower Upper
83 100
85 70.6 50.4 75.6

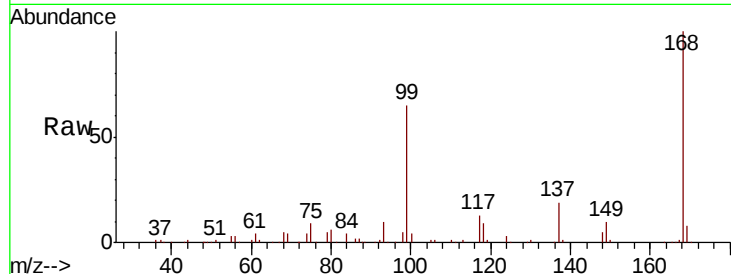




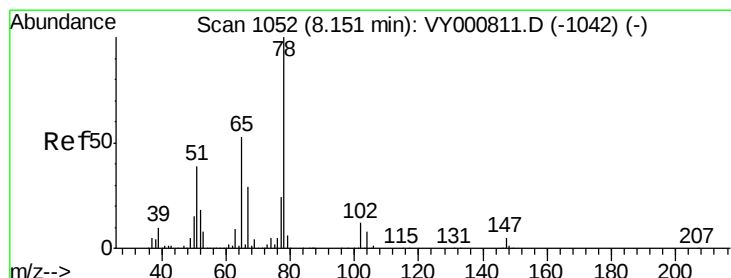
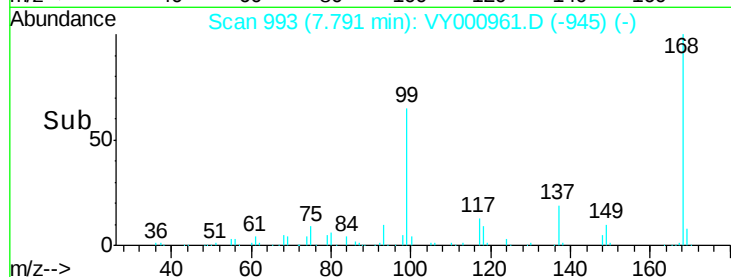
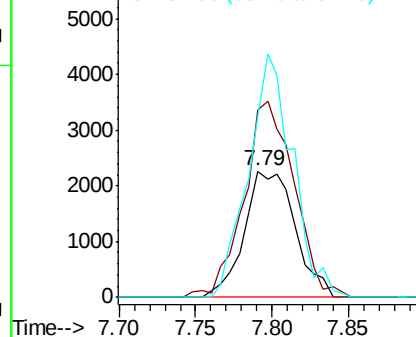
#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

Instrument :
MSVOA_Y
ClientSampleId :
X089-SB-1

Tgt Ion: 56 Resp: 5222
Ion Ratio Lower Upper
56 100
69 144.7 25.9 38.9#
84 144.2 68.6 102.8#

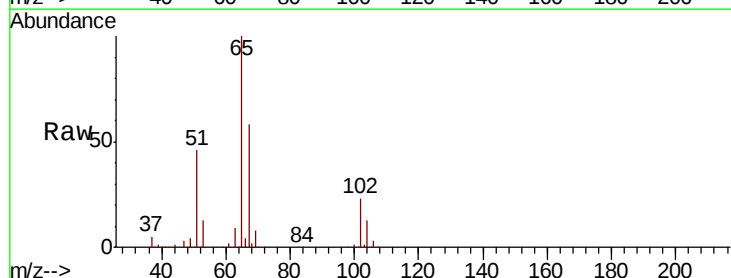


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

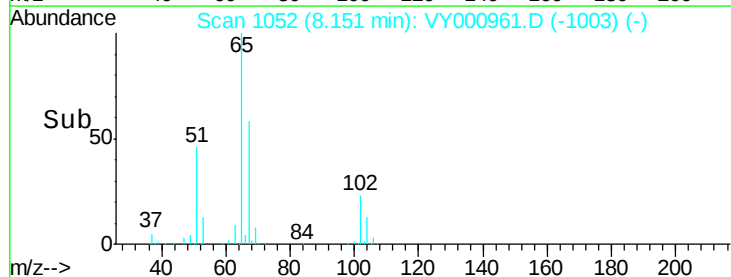
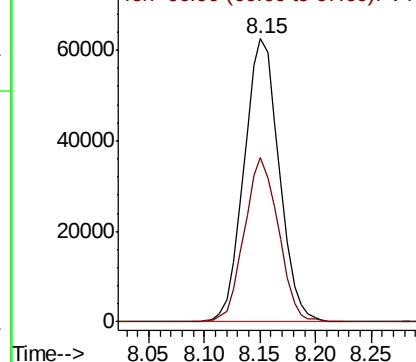


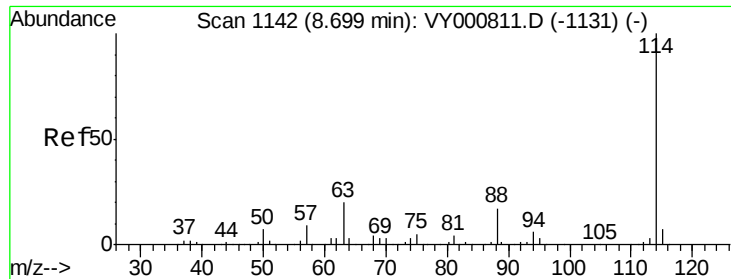
#33
1,2-Dichloroethane-d4
Concen: 55.804 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

Tgt Ion: 65 Resp: 136820
Ion Ratio Lower Upper
65 100
67 56.6 0.0 112.0



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

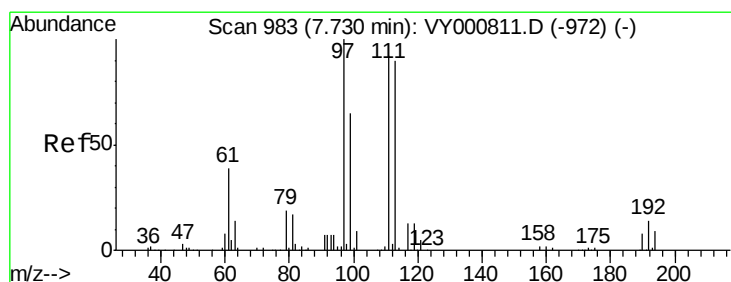
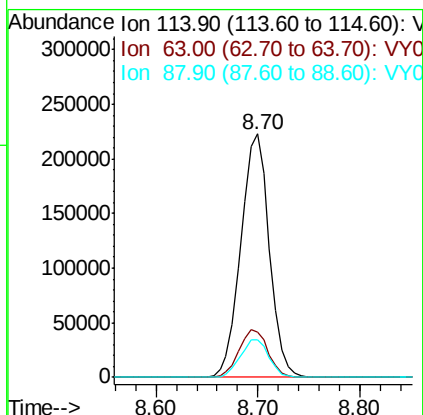
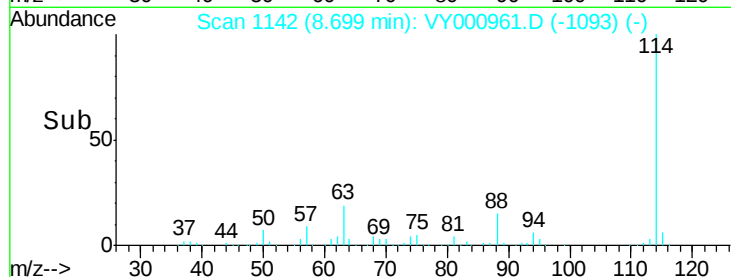
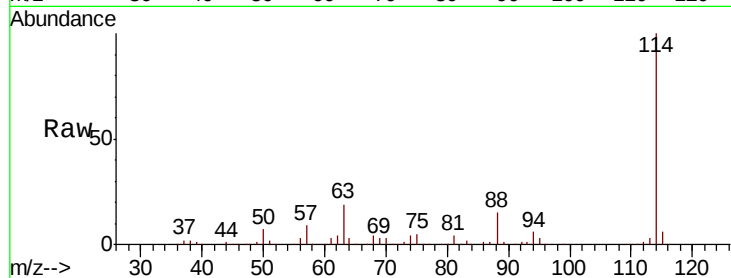




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000961.D
 Acq: 16 Dec 2019 17:40

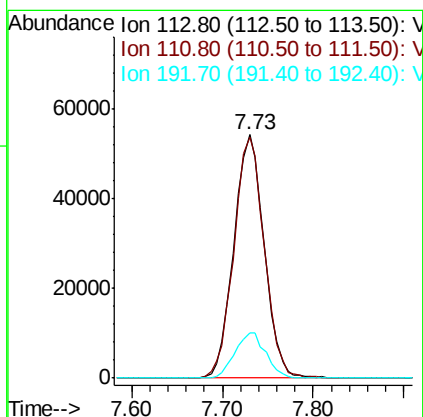
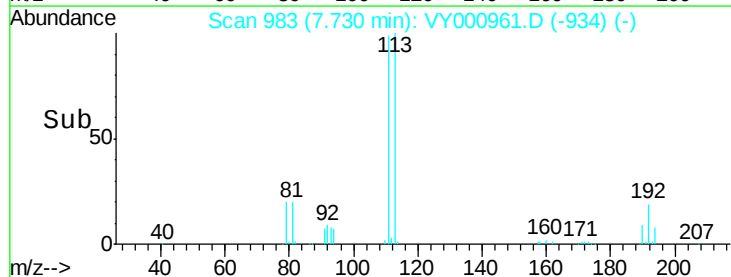
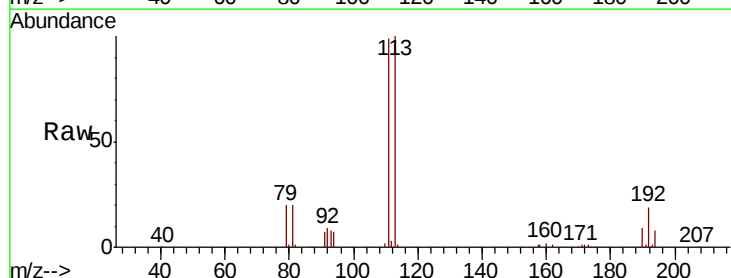
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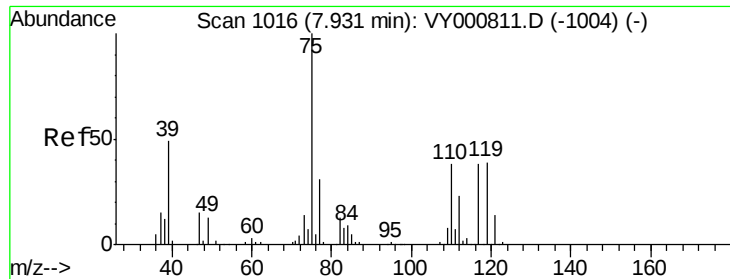
Tgt Ion:114 Resp: 432170
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.8
 88 15.2 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.052 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000961.D
 Acq: 16 Dec 2019 17:40

Tgt Ion:113 Resp: 126066
 Ion Ratio Lower Upper
 113 100
 111 99.2 82.4 123.6
 192 18.9 14.2 21.2

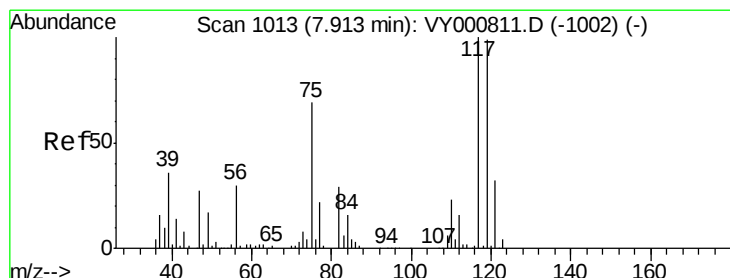
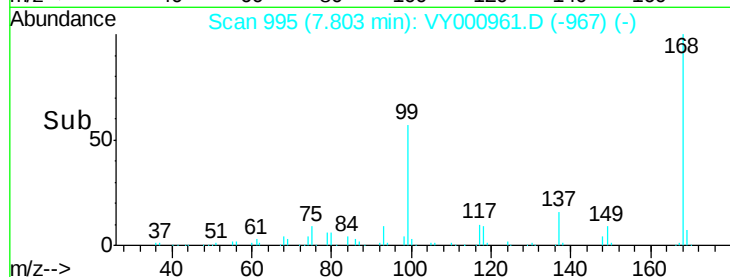
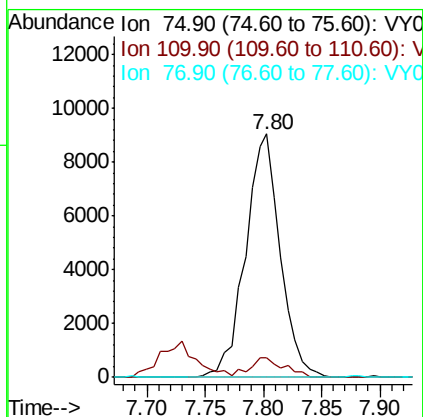
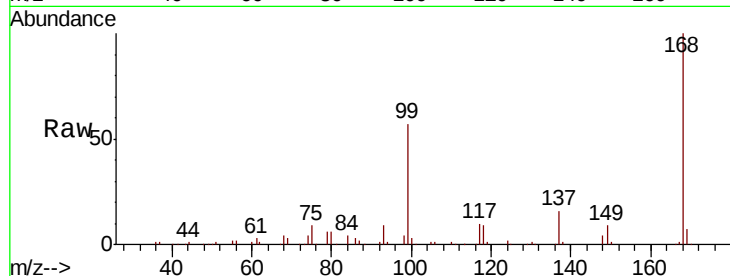




#36
 1,1-Dichloropropene
 Concen: 4.363 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000961.D
 Acq: 16 Dec 2019 17:40

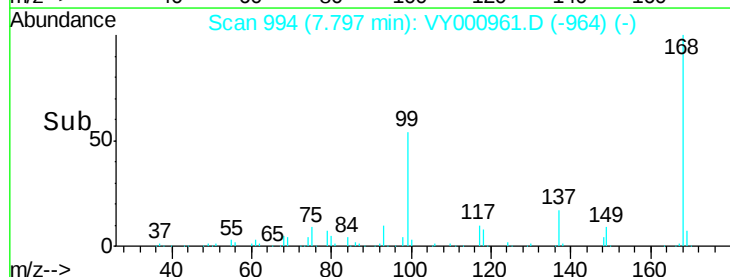
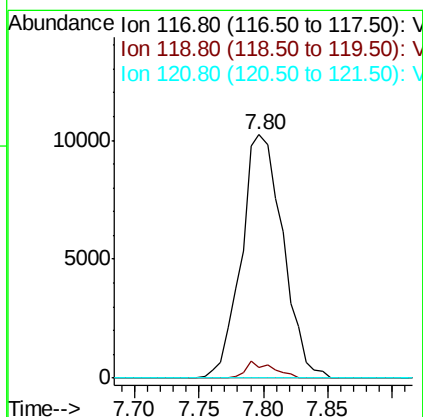
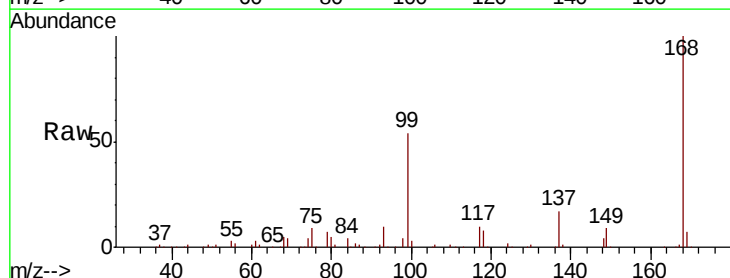
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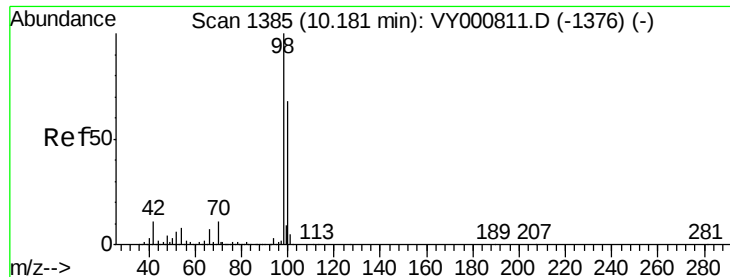
Tgt Ion: 75 Resp: 18750
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.969 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000961.D
 Acq: 16 Dec 2019 17:40

Tgt Ion: 117 Resp: 22842
 Ion Ratio Lower Upper
 117 100
 119 4.2 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.982 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

Instrument :

MSVOA_Y

ClientSampleId :

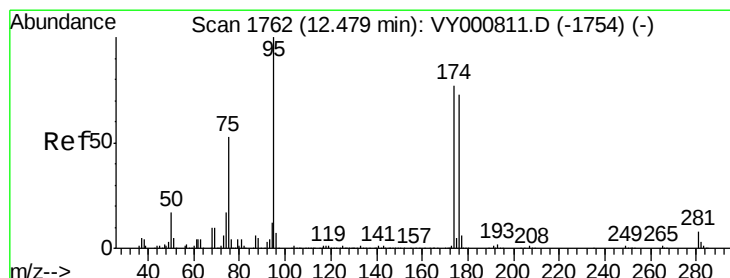
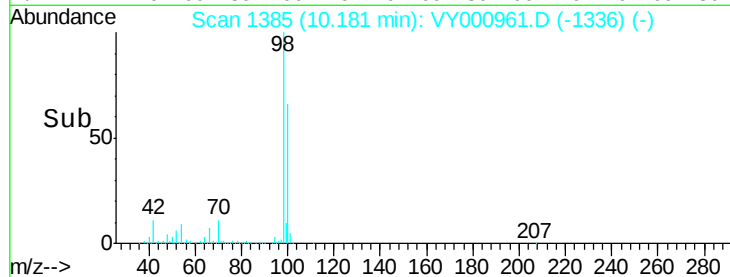
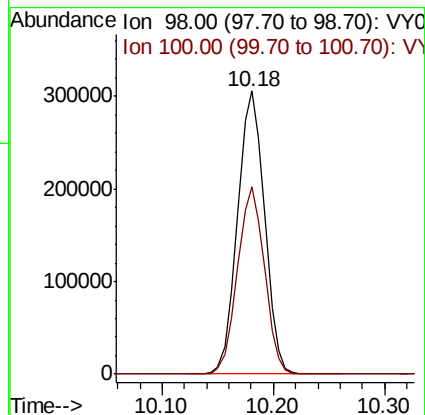
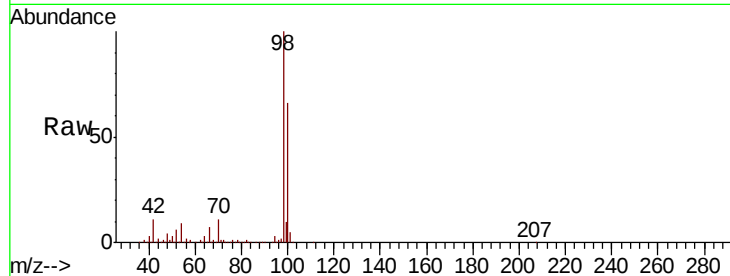
X089-SB-1

Tgt Ion: 98 Resp: 513369

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.548 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

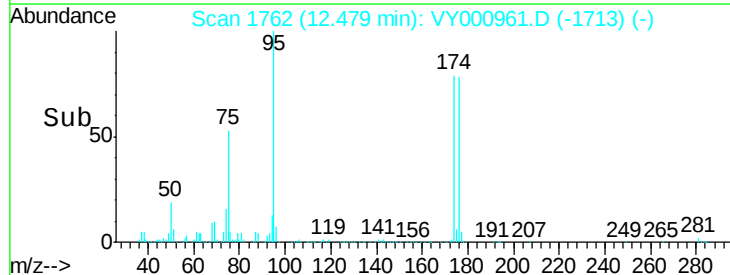
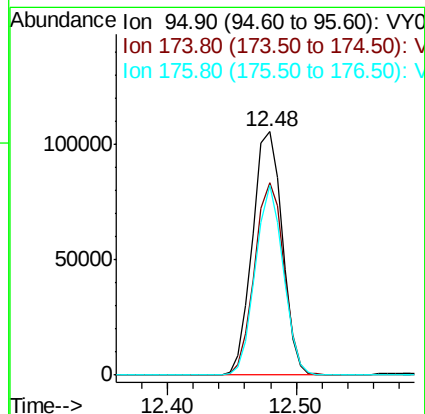
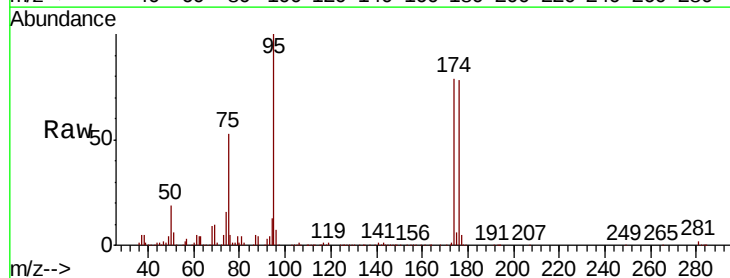
Tgt Ion: 95 Resp: 168464

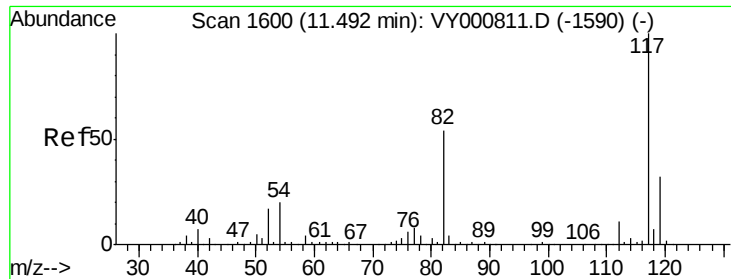
Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.6

176 73.1 0.0 145.2

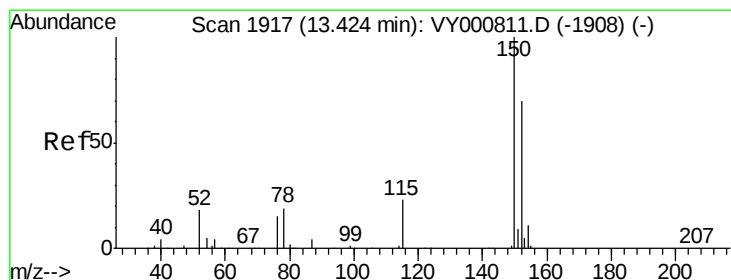
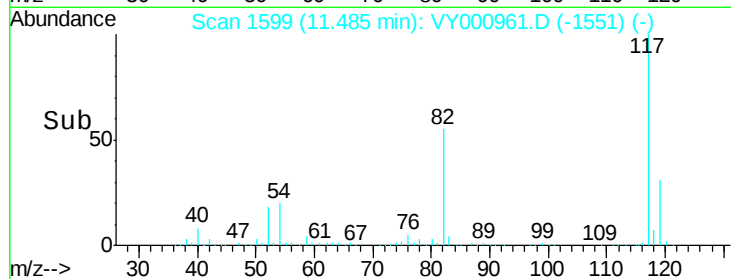
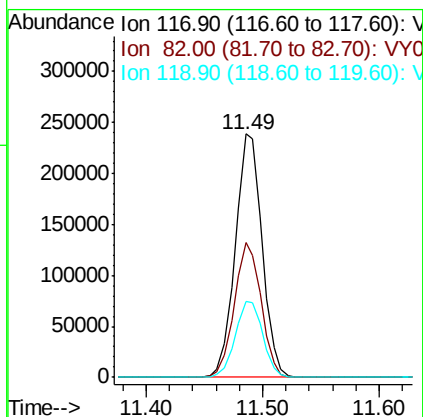
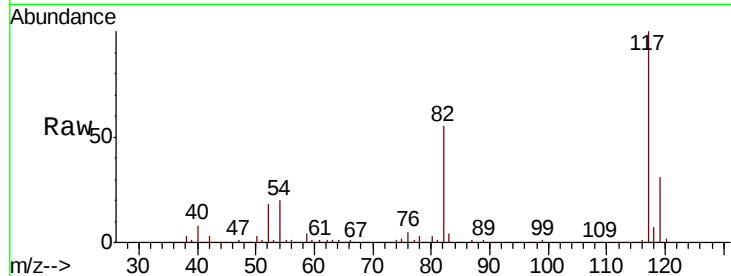




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

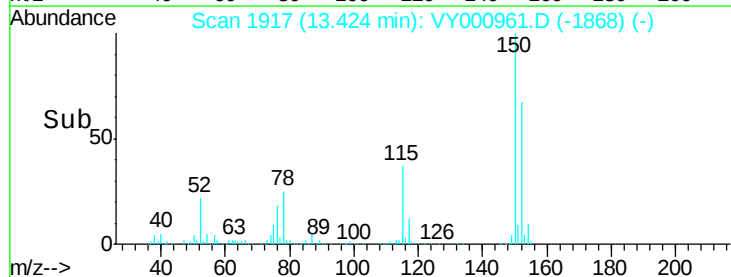
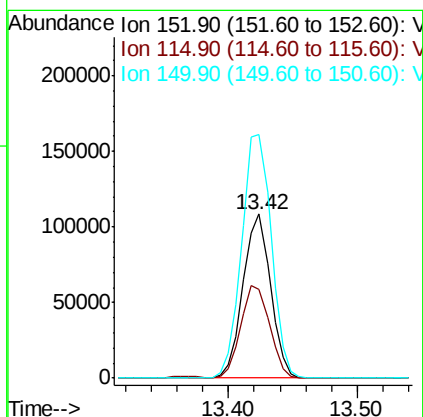
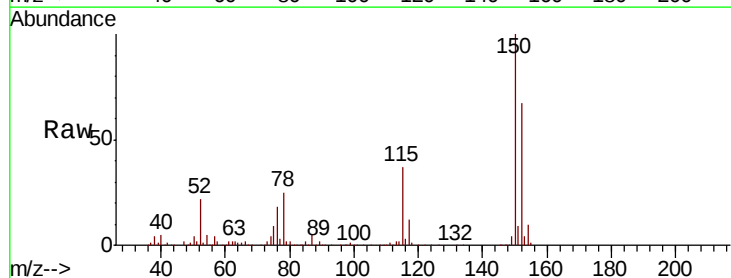
Instrument :
MSVOA_Y
ClientSampleId :
X089-SB-1

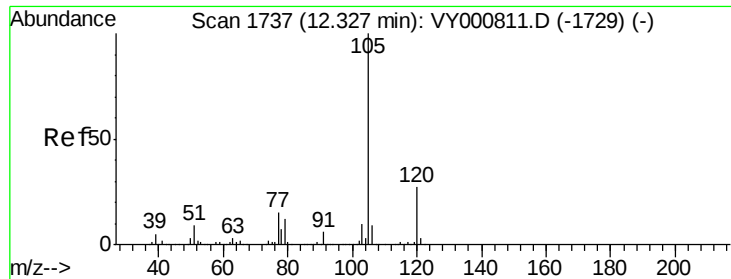
Tgt Ion:117 Resp: 382135
Ion Ratio Lower Upper
117 100
82 55.2 43.1 64.7
119 31.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000961.D
Acq: 16 Dec 2019 17:40

Tgt Ion:152 Resp: 160835
Ion Ratio Lower Upper
152 100
115 59.5 29.3 87.8
150 159.1 0.0 351.2





#73

Isopropylbenzene

Concen: 1.605 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

Instrument :

MSVOA_Y

ClientSampleId :

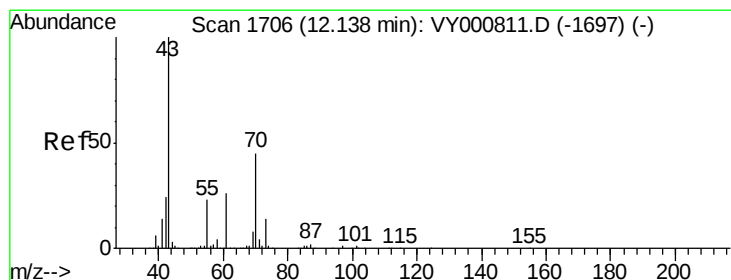
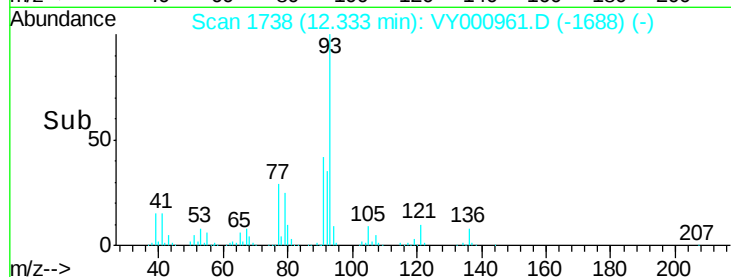
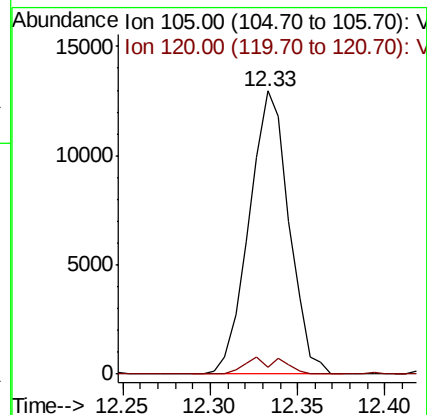
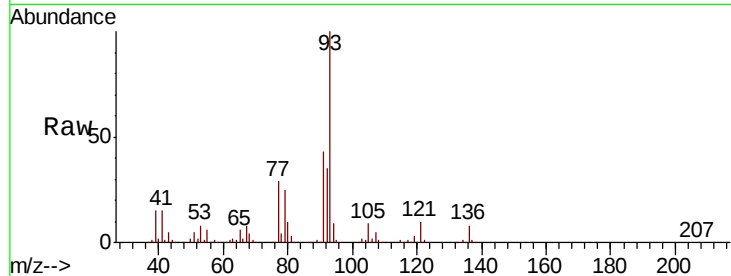
X089-SB-1

Tgt Ion:105 Resp: 20550

Ion Ratio Lower Upper

105 100

120 5.6 13.4 40.2#



#74

N-ethyl acetate

Concen: 3.251 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.19 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

Tgt Ion: 43 Resp: 11588

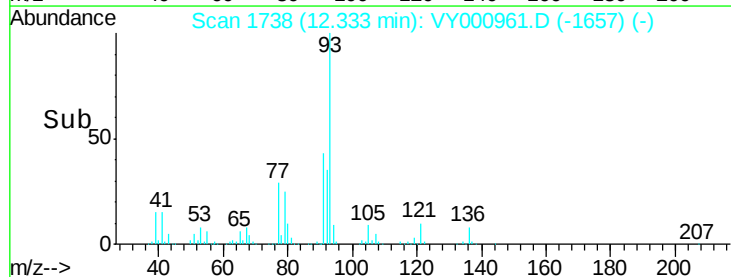
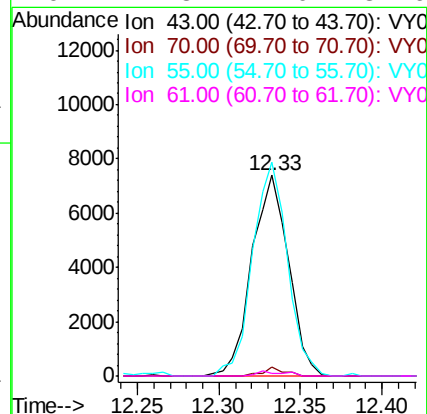
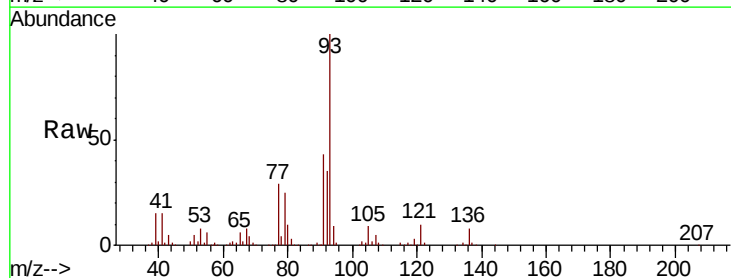
Ion Ratio Lower Upper

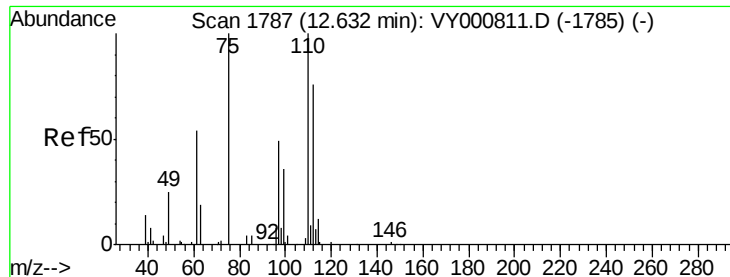
43 100

70 2.4 36.6 54.8#

55 101.6 18.8 28.2#

61 1.8 21.0 31.6#





#76

1,2,3-Trichloropropane

Concen: 47.089 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

Instrument :

MSVOA_Y

ClientSampleId :

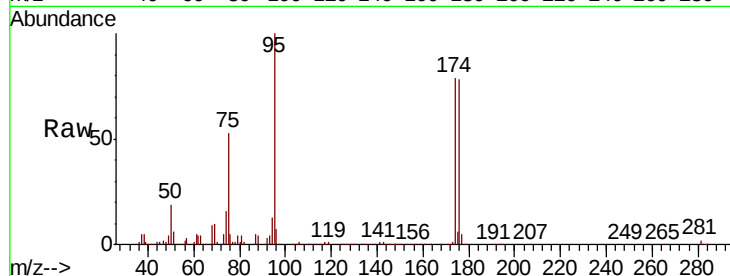
X089-SB-1

Tgt Ion: 75 Resp: 85807

Ion Ratio Lower Upper

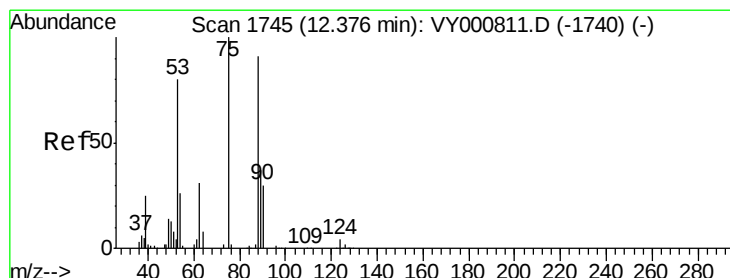
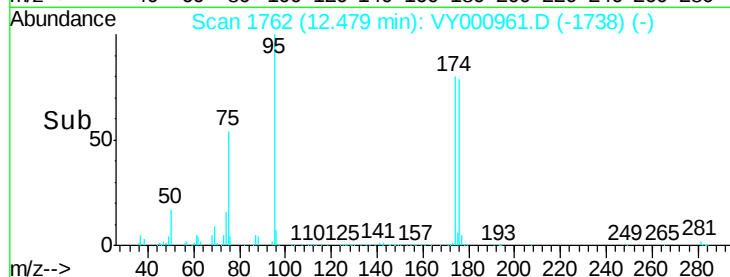
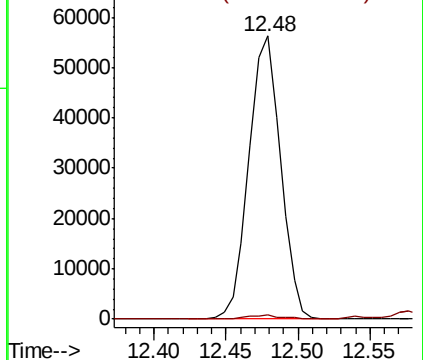
75 100

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: 92.496 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000961.D

Acq: 16 Dec 2019 17:40

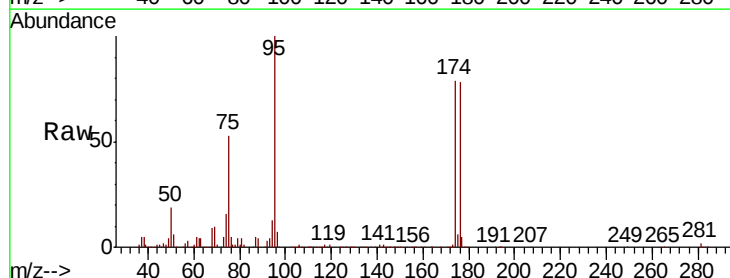
Tgt Ion: 75 Resp: 85807

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

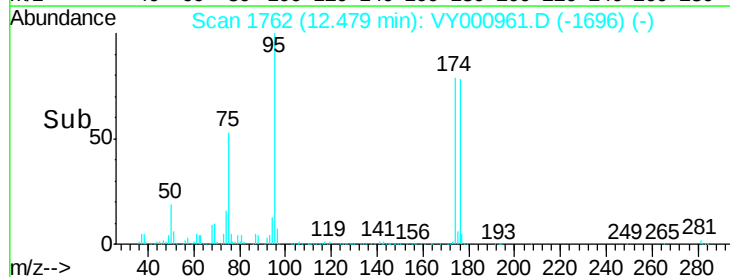
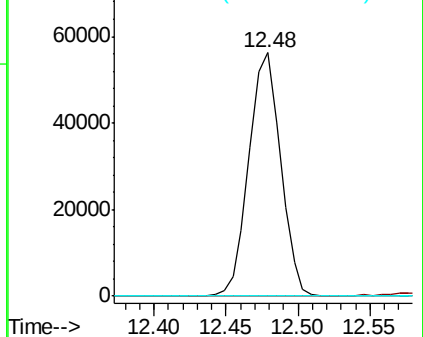
89 0.0 33.6 50.4#

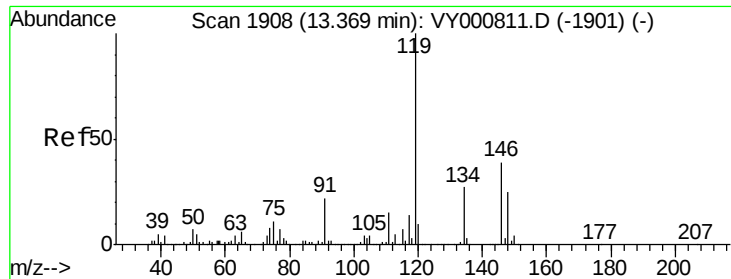


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#86
 p-Isopropyltoluene
 Concen: 2.510 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000961.D
 Acq: 16 Dec 2019 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 X089-SB-1

Tgt Ion:	119	Resp:	28303
Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	30.6	11.5	34.5

