

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112219\
 Data File : VY000785.D
 Acq On : 22 Nov 2019 12:05
 Operator : SY/MD
 Sample : K5959-12RE
 Misc : 6.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-4-5-GRAB-B2

Quant Time: Nov 23 04:01:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	520869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	449846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	187383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	163982	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
35) Dibromofluoromethane	7.73	113	150898	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	10.18	98	613066	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.48	95	197982	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

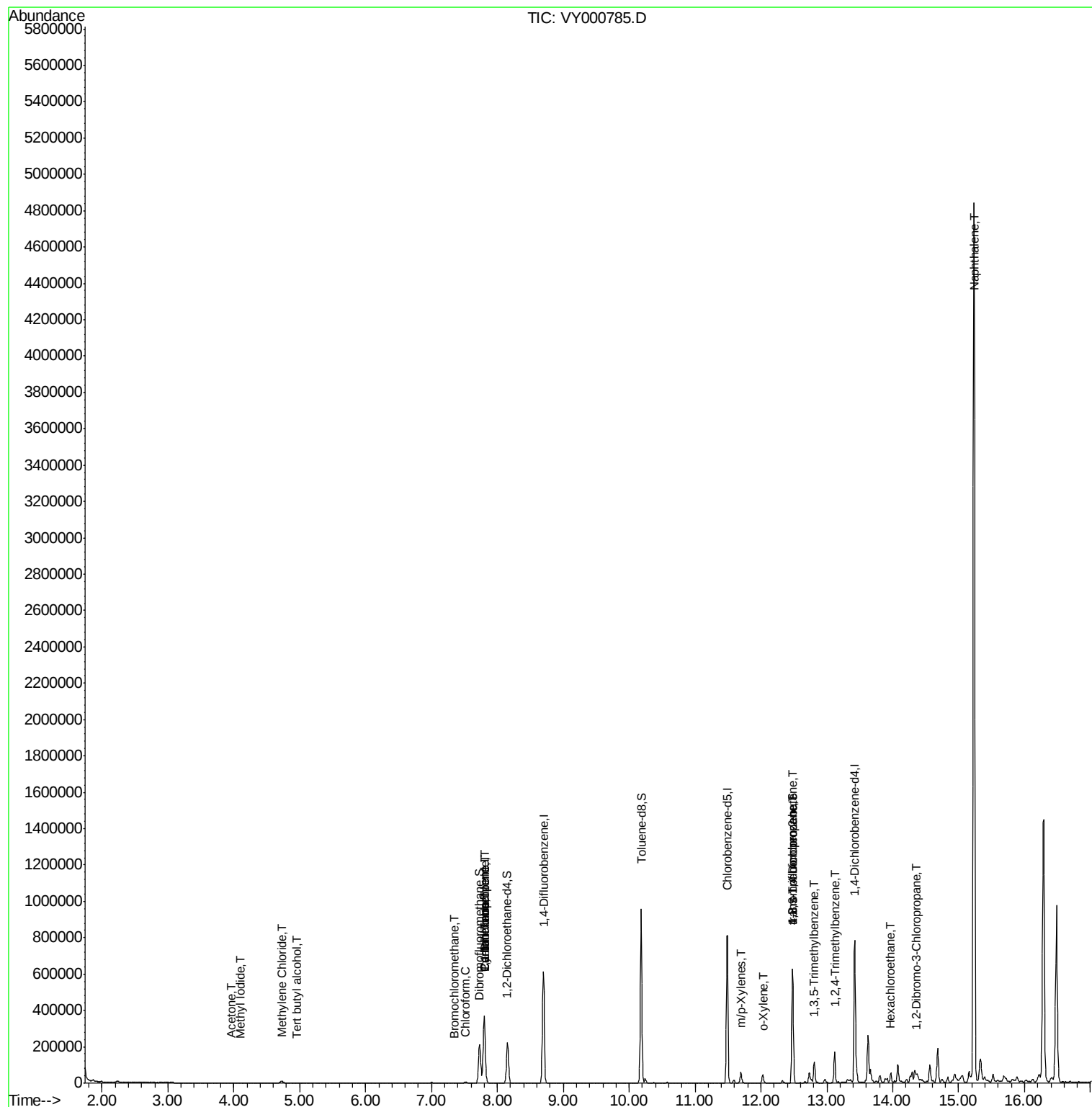
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	93	3.222	ug/l #	65
11) Tert butyl alcohol	4.96	59	347	1.217	ug/l #	72
16) Acetone	3.96	43	2957	3.664	ug/l #	74
20) Methylene Chloride	4.73	84	7033	2.034	ug/l	99
28) Bromochloromethane	7.34	49	28	4.103	ug/l #	14
30) Chloroform	7.51	83	6314	1.153	ug/l #	81
31) Cyclohexane	7.80	56	6527	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22428	4.555	ug/l #	48
38) Carbon Tetrachloride	7.80	117	29039	6.129	ug/l #	16
68) m/p-Xylenes	11.69	106	17120	2.635	ug/l	93
69) o-Xylene	12.02	106	11954	1.958	ug/l	96
76) 1,2,3-Trichloropropane	12.48	75	100985	47.331	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	55676	4.827	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	100985	106.121	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	91419	7.960	ug/l	99
90) Hexachloroethane	13.97	117	3076	1.331	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1761	3.629	ug/l #	1
95) Naphthalene	15.23	128	3900466	462.348	ug/l	100

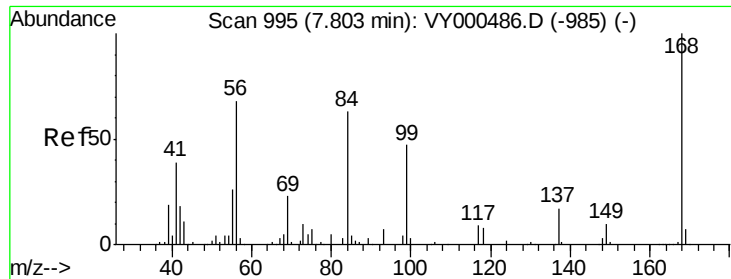
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Instrument :

MSVOA_Y

ClientSampleId :

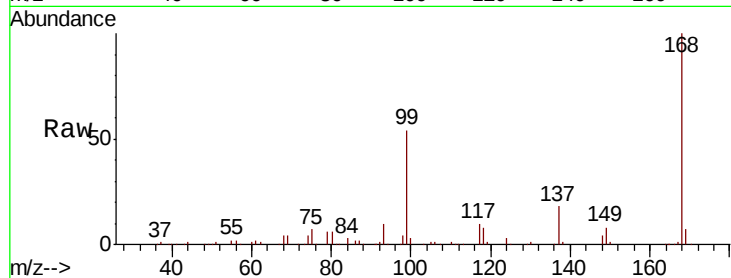
WS-112019-4-5-GRAB-B2

Tot Ion:168 Resp: 282965

Ion Ratio Lower Upper

168 100

99 54.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

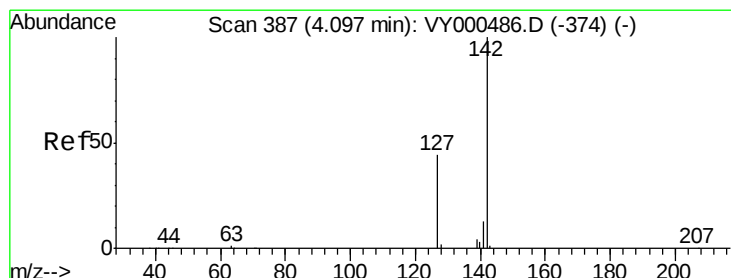
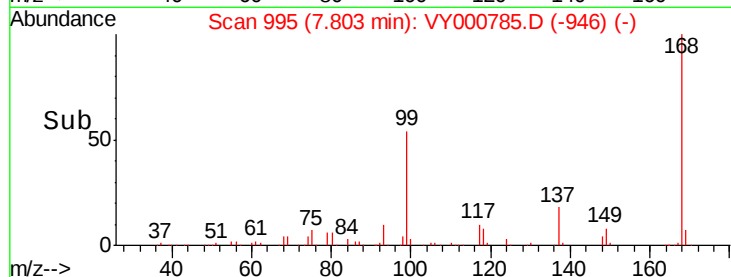
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.222 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

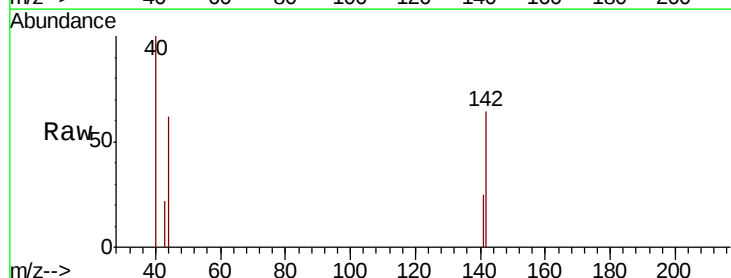
Tgt Ion:142 Resp: 93

Ion Ratio Lower Upper

142 100

127 33.3 33.7 50.5#

141 53.8 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

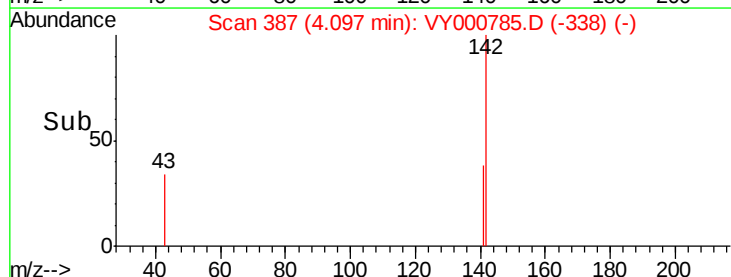
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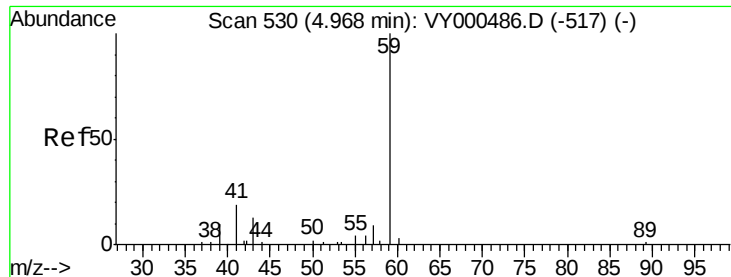
100

50

0

Time-->

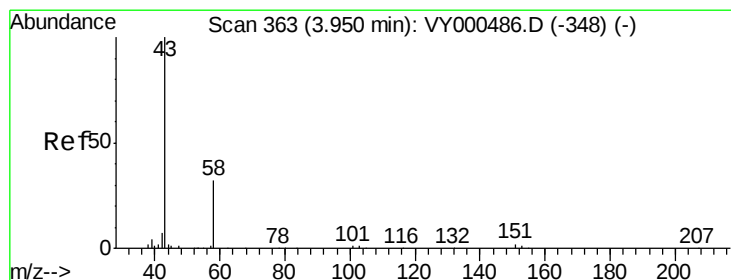
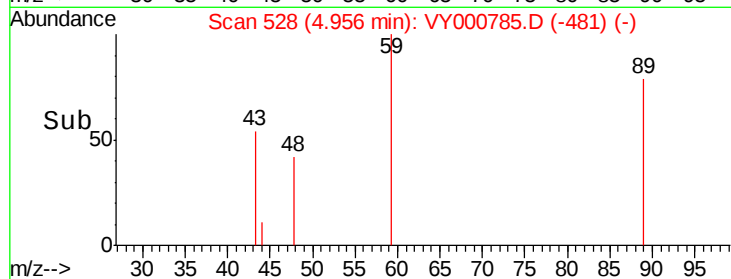
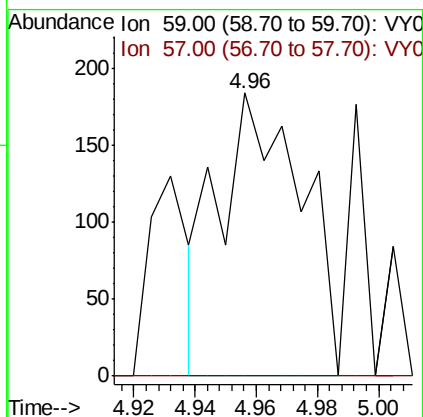
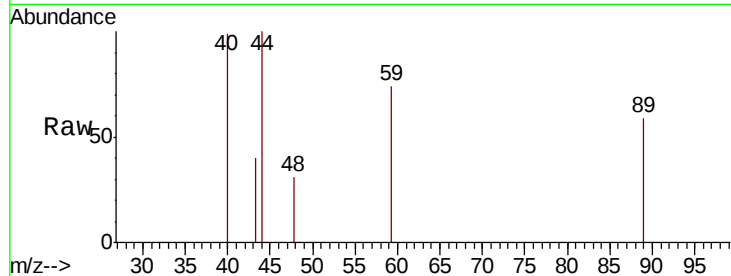




#11
Tert butyl alcohol
Concen: 1.217 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

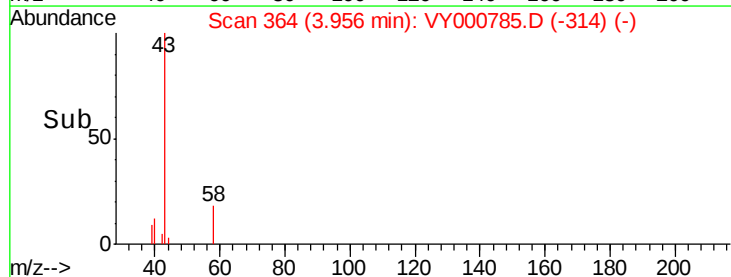
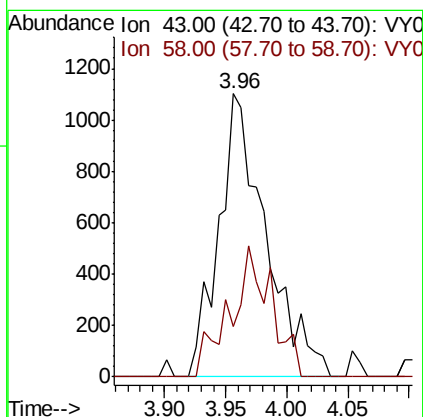
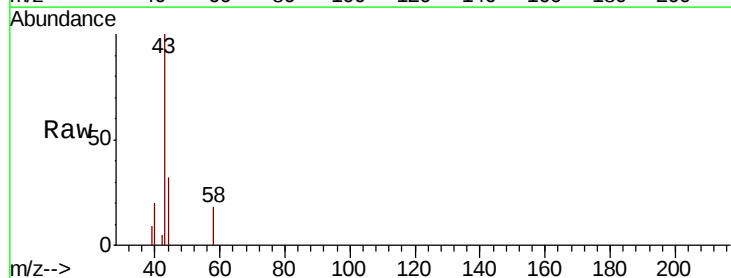
Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-4-5-GRAB-B2

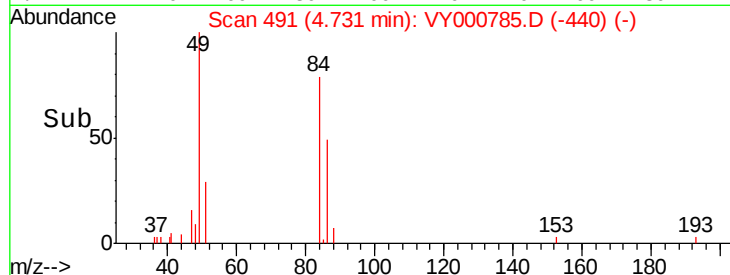
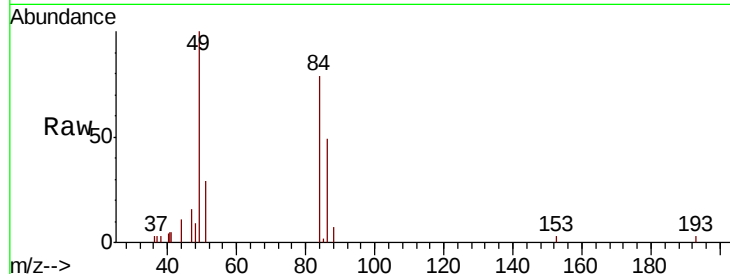
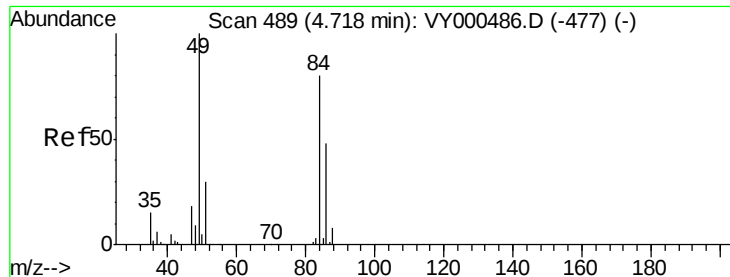
Tot Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 3.664 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Tgt Ion: 43 Resp: 2957
Ion Ratio Lower Upper
43 100
58 17.7 25.8 38.6#

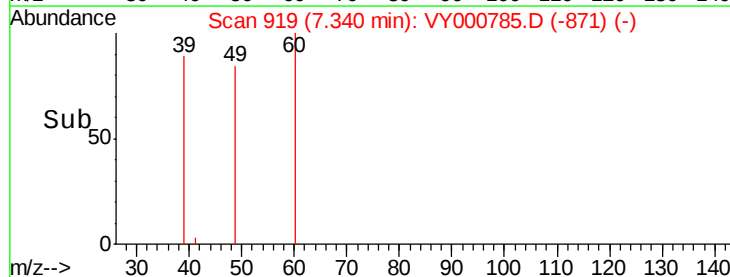
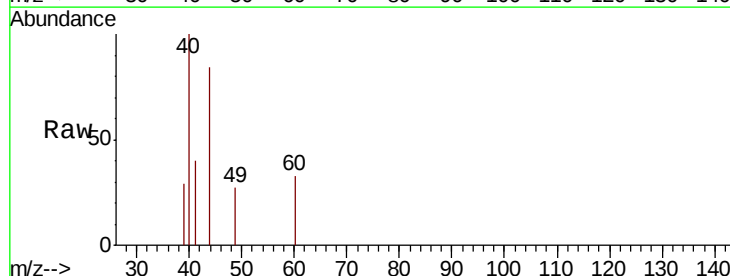
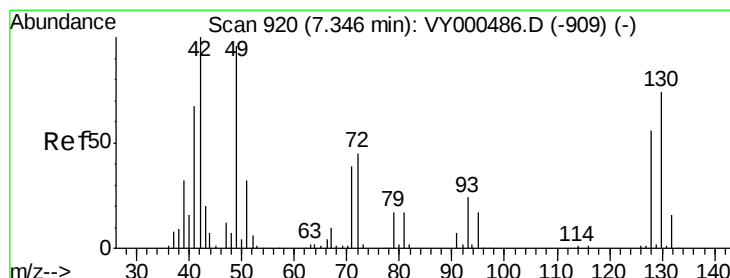
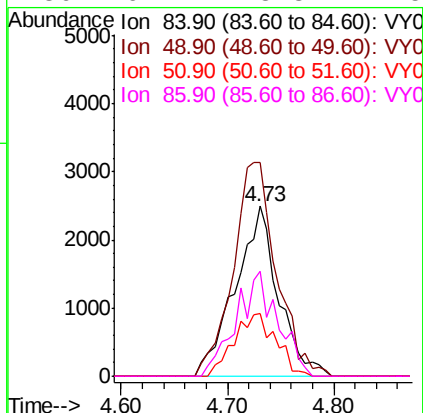




#20
Methvlene Chloride
Concen: 2.034 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

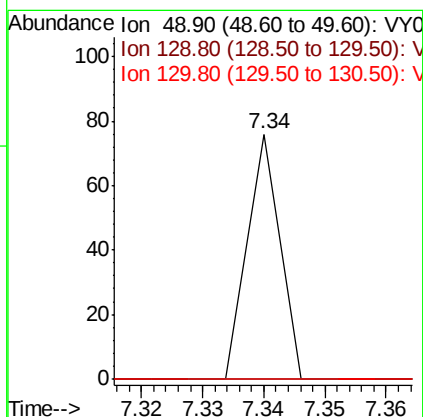
Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-4-5-GRAB-B2

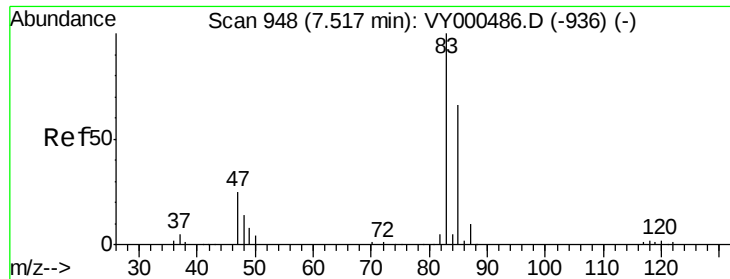
Tot Ion:	84	Resp:	7033
Ion	Ratio	Lower	Upper
84	100		
49	125.9	100.2	150.4
51	37.1	29.6	44.4
86	61.7	48.3	72.5



#28
Bromochloromethane
Concen: 4.103 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Tgt Ion:	49	Resp:	28
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#

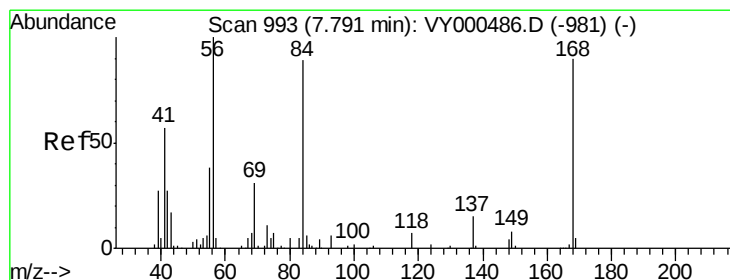
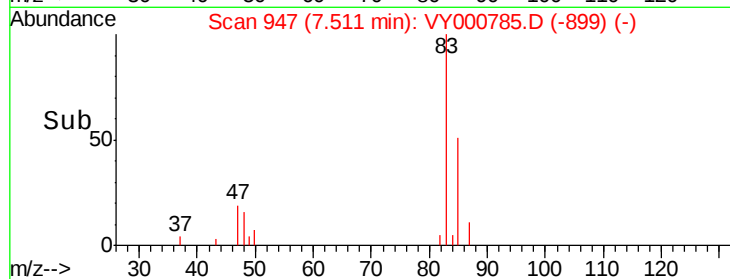
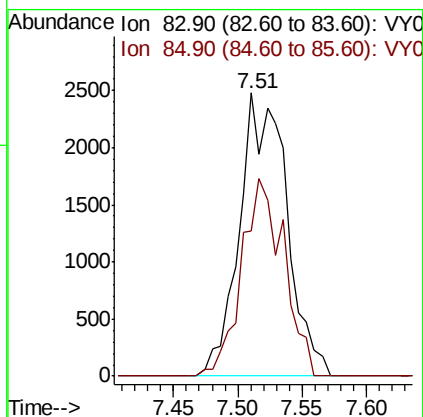
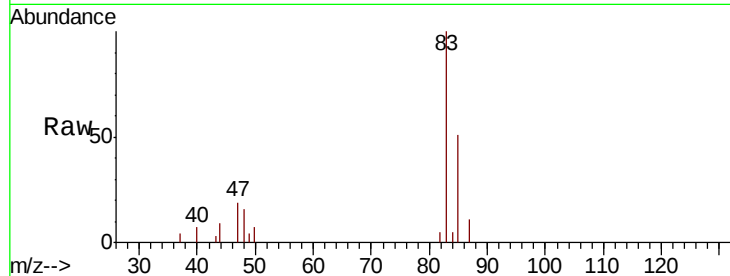




#30
Chloroform
Concen: 1.153 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

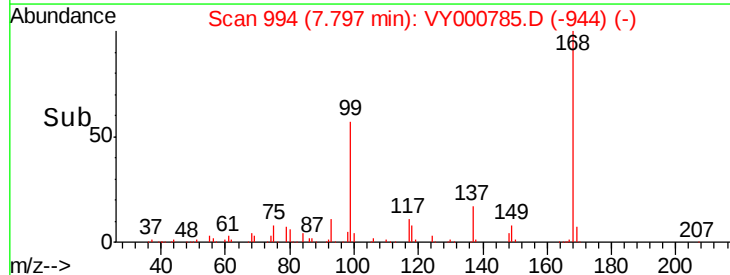
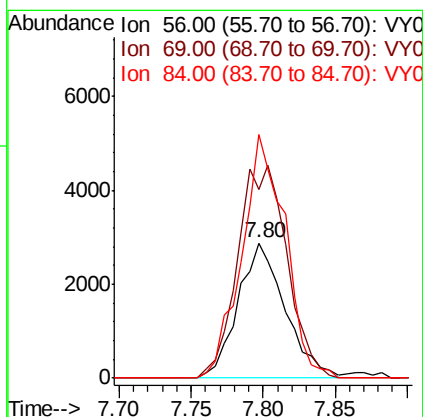
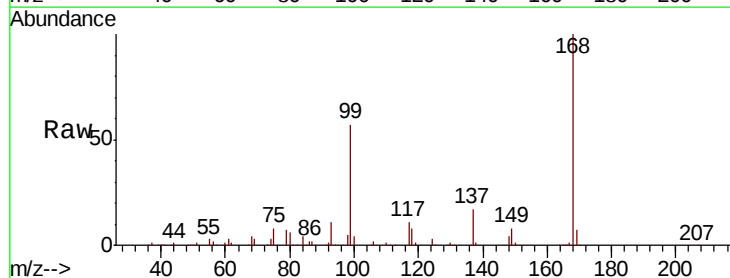
Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-4-5-GRAB-B2

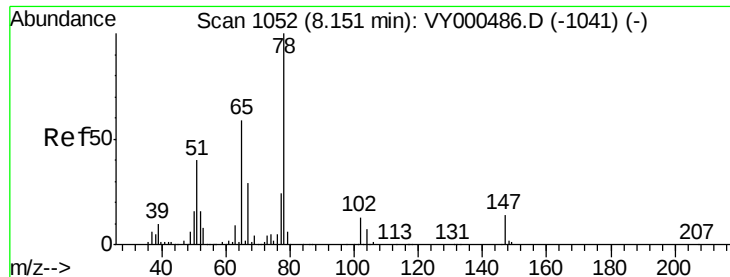
Tot Ion: 83 Resp: 6314
Ion Ratio Lower Upper
83 100
85 51.1 53.0 79.4#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Tgt Ion: 56 Resp: 6527
Ion Ratio Lower Upper
56 100
69 139.6 25.0 37.6#
84 180.0 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 55.999 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Instrument :

MSVOA_Y

ClientSampleId :

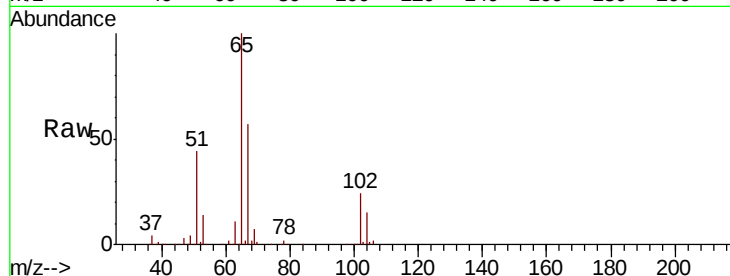
WS-112019-4-5-GRAB-B2

Tot Ion: 65 Resp: 163982

Ion Ratio Lower Upper

65 100

67 55.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

80000

60000

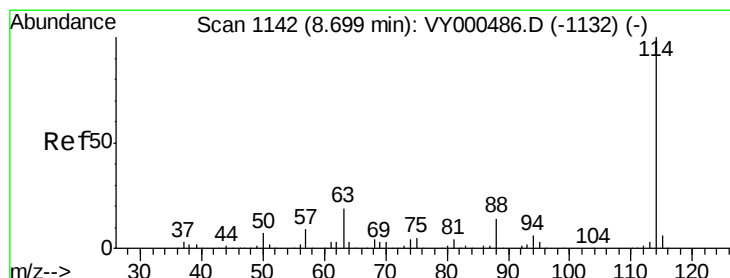
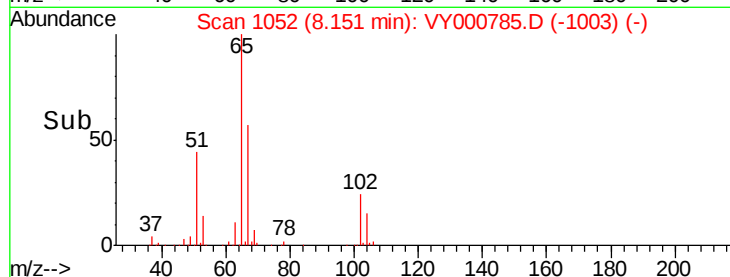
40000

20000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

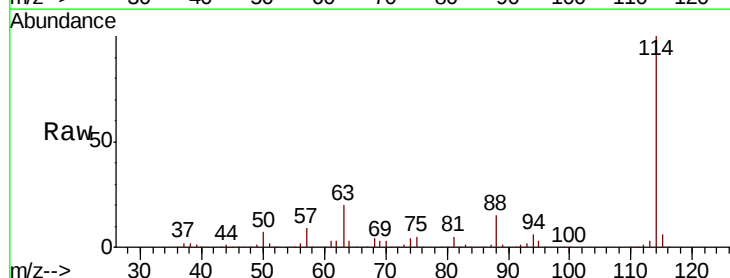
Tgt Ion: 114 Resp: 520869

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

88 15.4 0.0 28.6



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

8.70

300000

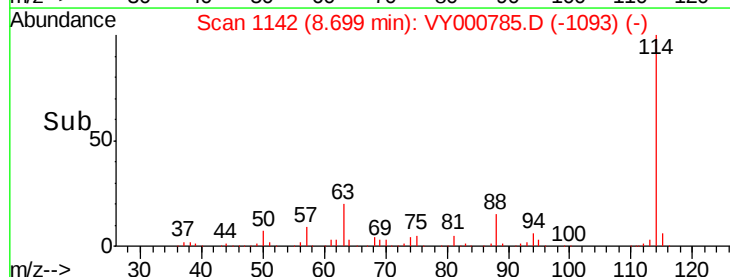
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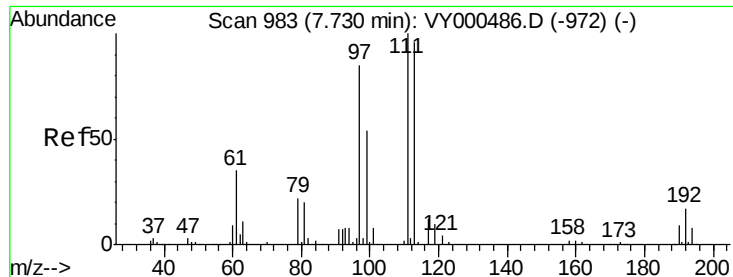
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0

8.60 8.70 8.80

Time-->

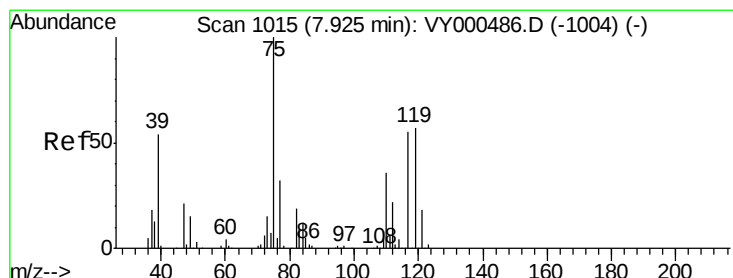
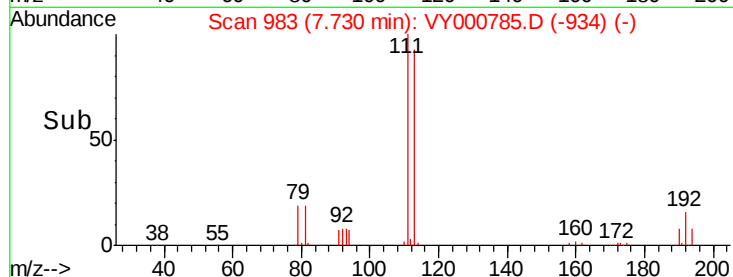
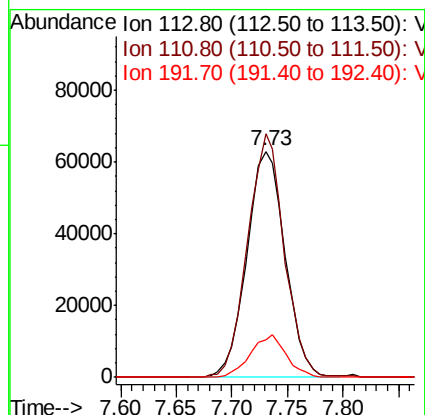
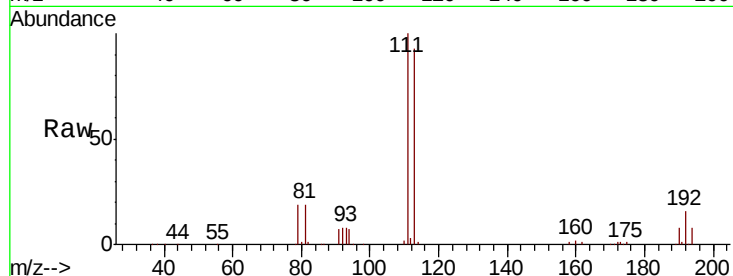




#35
Dibromofluoromethane
Concen: 49.348 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

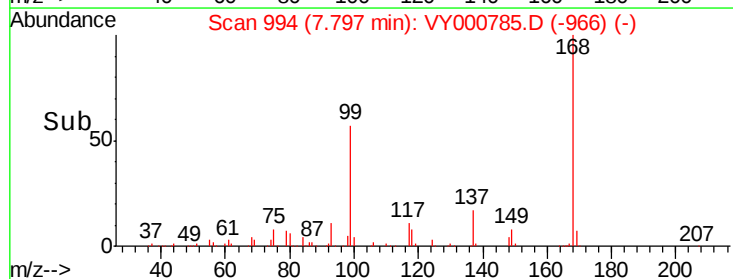
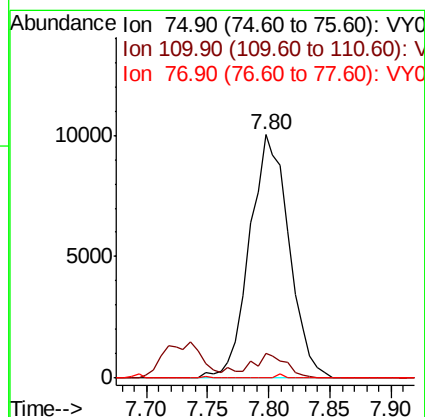
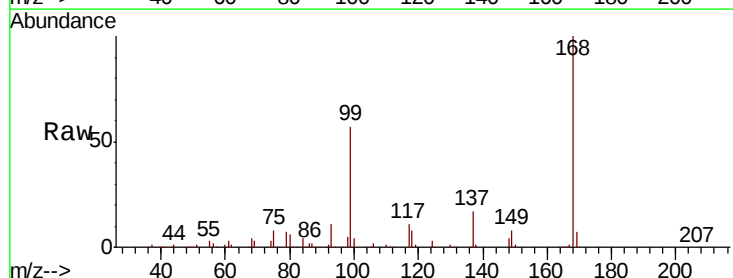
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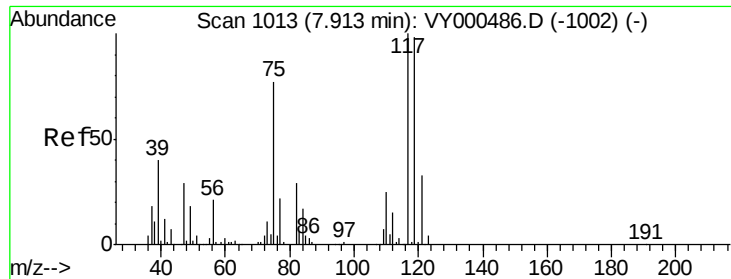
Tot Ion:113 Resp: 150898
Ion Ratio Lower Upper
113 100
111 103.1 81.7 122.5
192 17.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Tgt Ion: 75 Resp: 22428
Ion Ratio Lower Upper
75 100
110 8.0 18.1 54.1#
77 0.3 25.0 37.6#

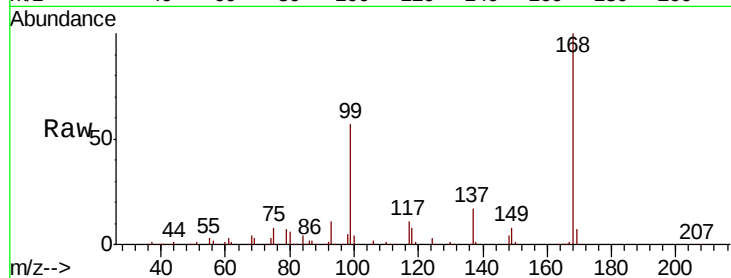




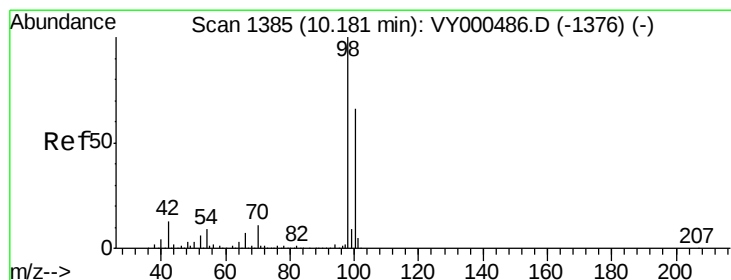
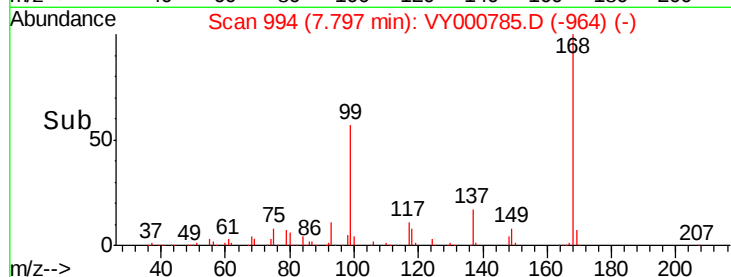
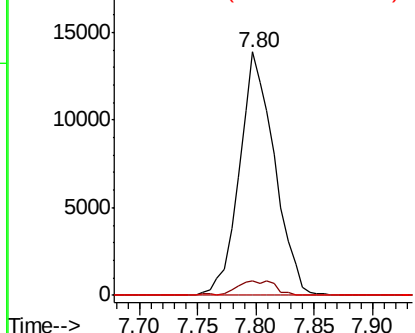
#38
Carbon Tetrachloride
Concen: 6.129 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-4-5-GRAB-B2

Tot Ion:117 Resp: 29039
Ion Ratio Lower Upper
117 100
119 6.2 78.0 117.0#
121 0.0 26.6 40.0#

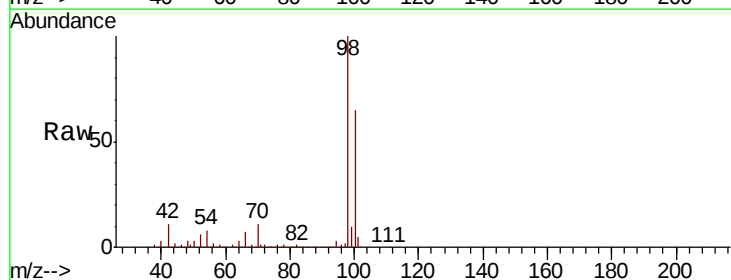


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

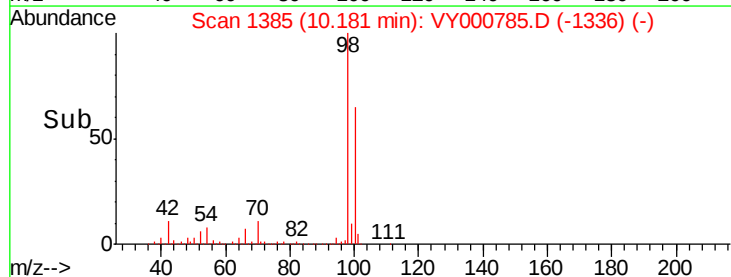
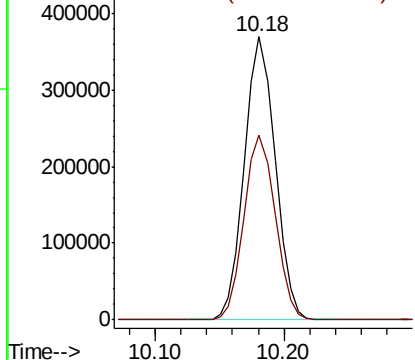


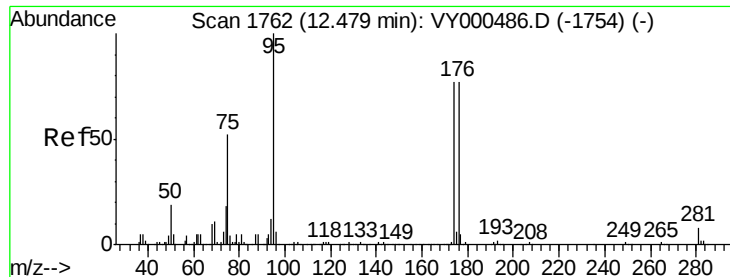
#50
Toluene-d8
Concen: 52.837 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Tgt Ion: 98 Resp: 613066
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



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

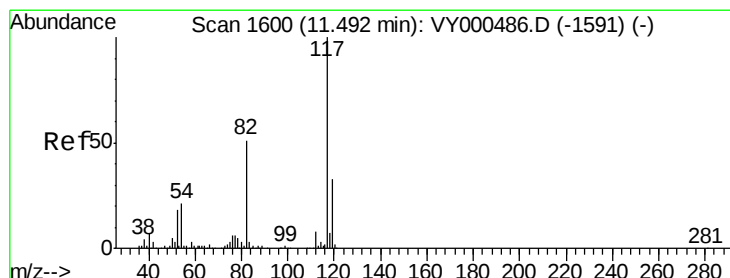
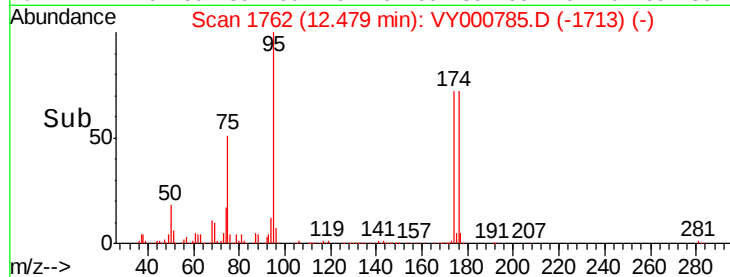
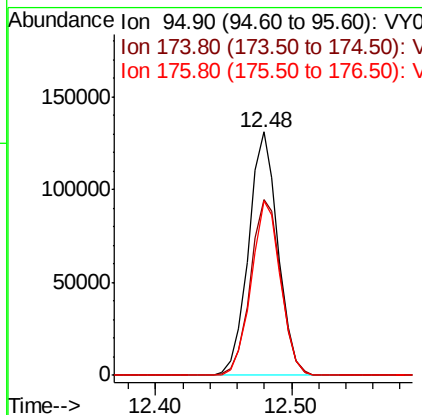
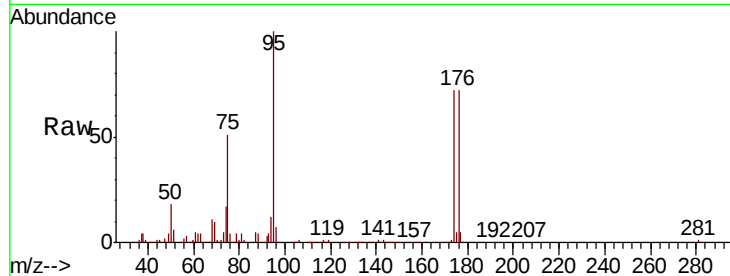




#62
4-Bromofluorobenzene
Concen: 44.821 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

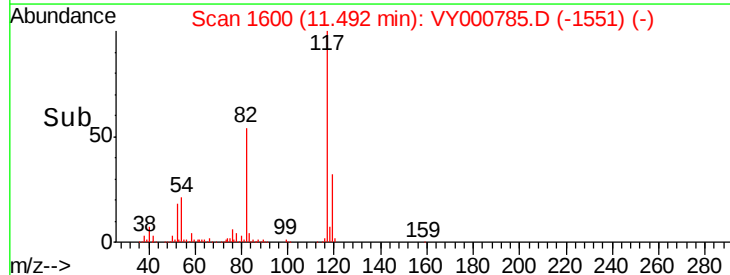
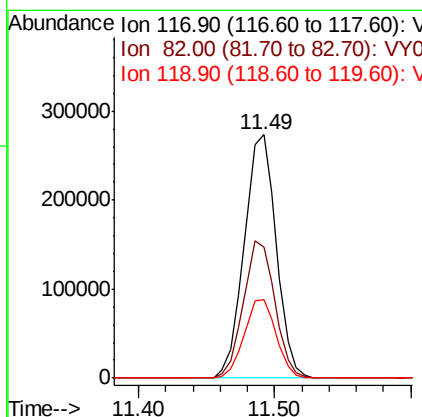
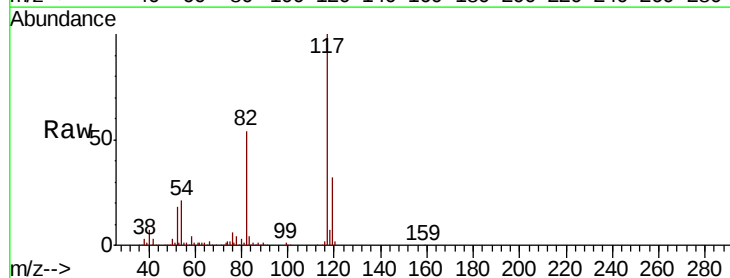
Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-4-5-GRAB-B2

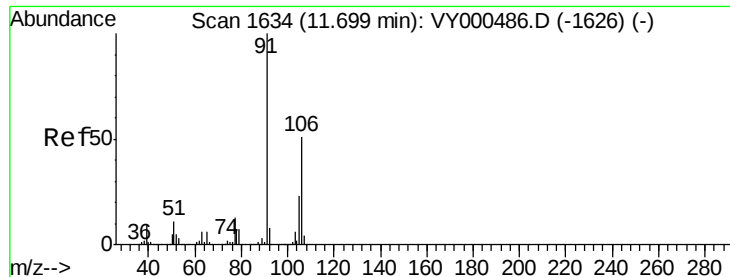
Tot Ion	95	Resp	197982
Ion Ratio	100	Lower	Upper
174	74.9	0.0	161.6
176	71.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000785.D
Acq: 22 Nov 2019 12:05

Tgt Ion	117	Resp	449846
Ion Ratio	100	Lower	Upper
82	54.0	40.8	61.2
119	32.4	26.2	39.2





#68

m/p-Xylenes

Concen: 2.635 ug/l

RT: 11.69 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Instrument :

MSVOA_Y

ClientSampleId :

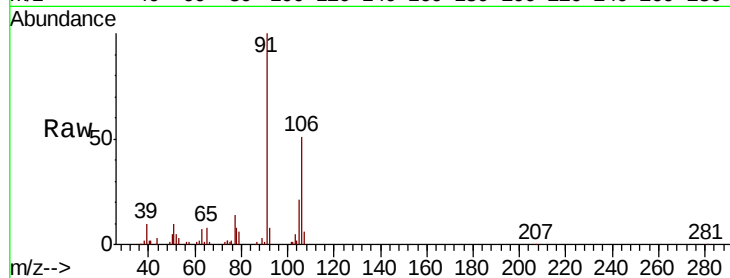
WS-112019-4-5-GRAB-B2

Tot Ion:106 Resp: 17120

Ion Ratio Lower Upper

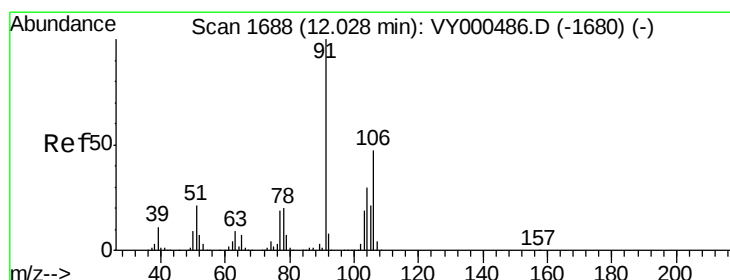
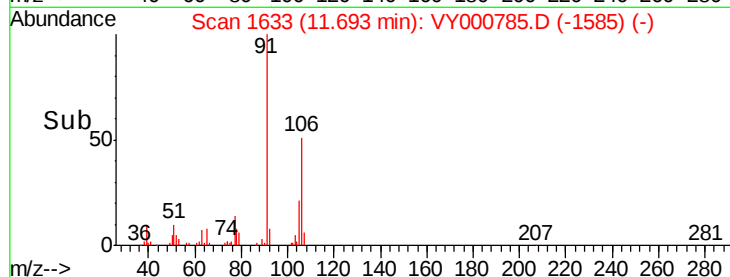
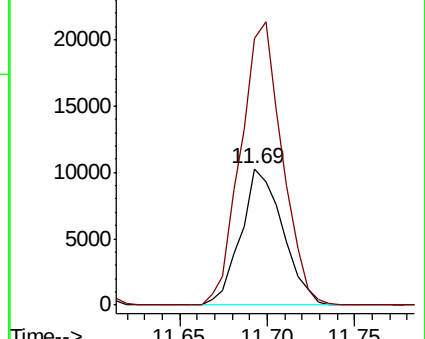
106 100

91 205.2 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 1.958 ug/l

RT: 12.02 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VY000785.D

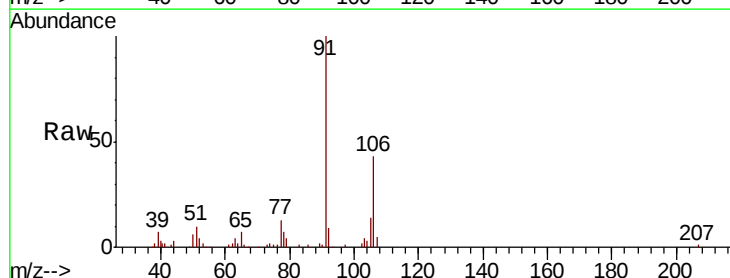
Acq: 22 Nov 2019 12:05

Tgt Ion:106 Resp: 11954

Ion Ratio Lower Upper

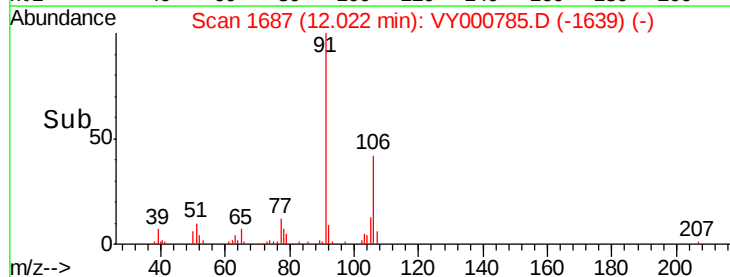
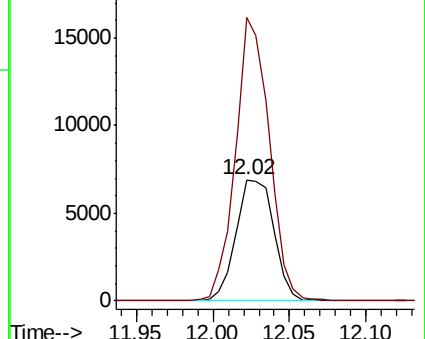
106 100

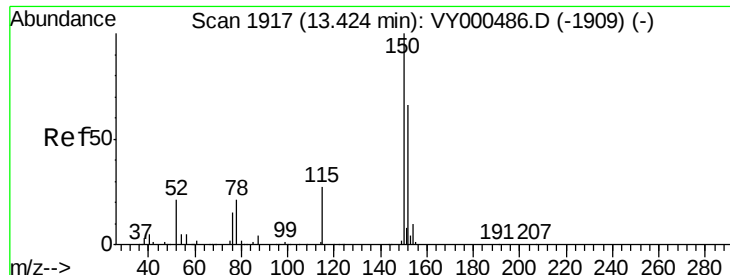
91 206.9 106.5 319.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-4-5-GRAB-B2

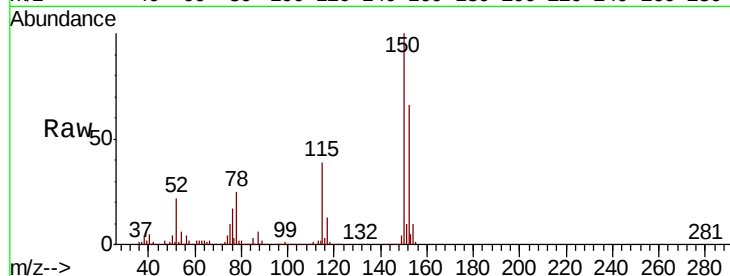
Tot Ion:152 Resp: 187383

Ion Ratio Lower Upper

152 100

115 60.9 29.1 87.4

150 157.5 0.0 348.8

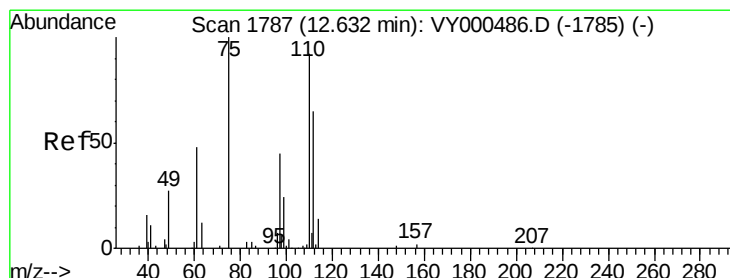
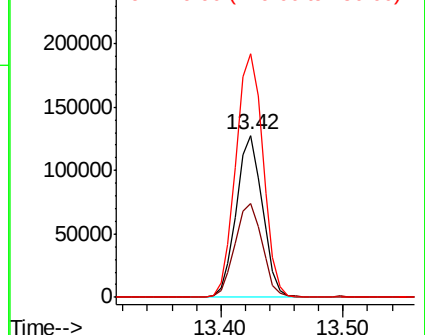
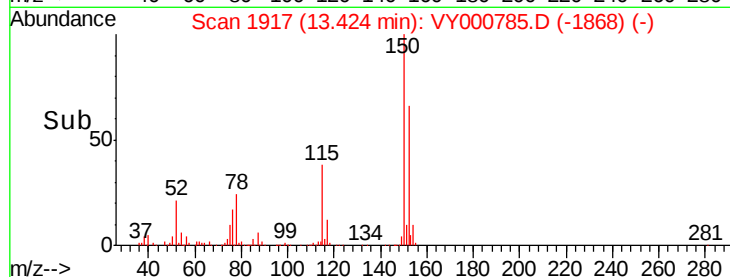


Abundance

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: 47.331 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000785.D

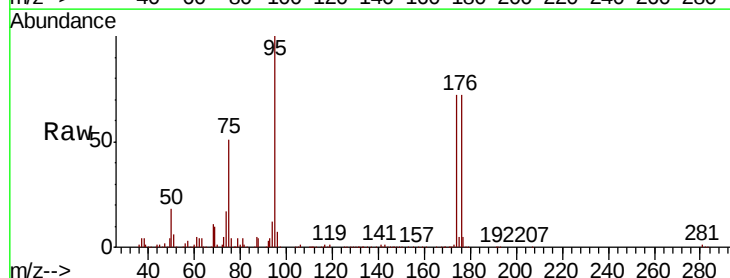
Acq: 22 Nov 2019 12:05

Tgt Ion: 75 Resp: 100985

Ion Ratio Lower Upper

75 100

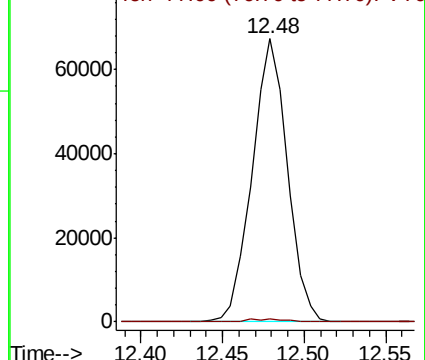
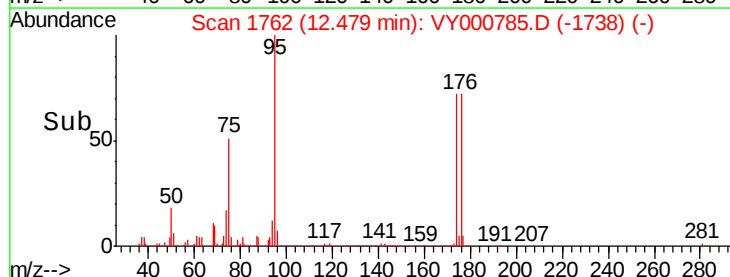
77 1.2 0.0 0.0#

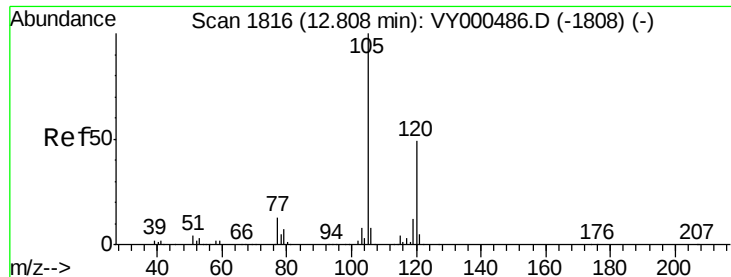


Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 4.827 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Instrument :

MSVOA_Y

ClientSampleId :

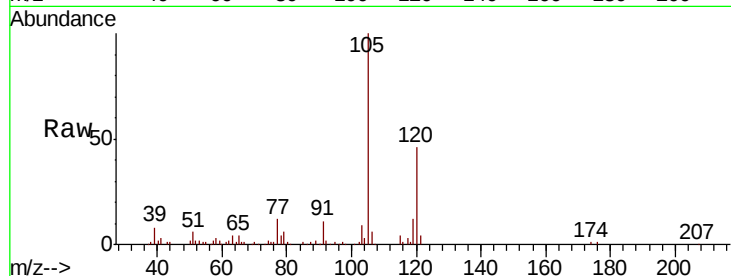
WS-112019-4-5-GRAB-B2

Tot Ion:105 Resp: 55676

Ion Ratio Lower Upper

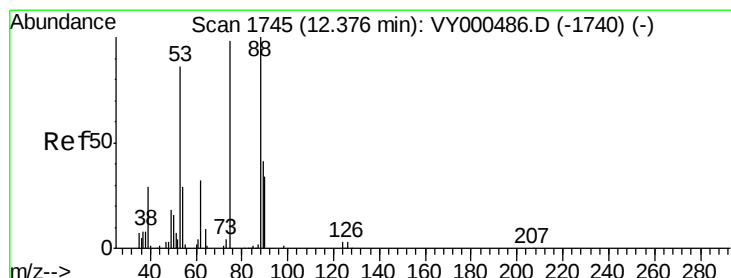
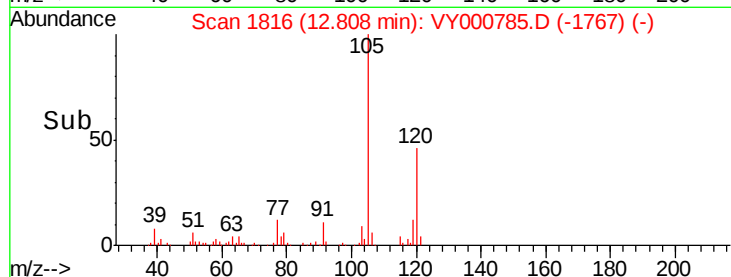
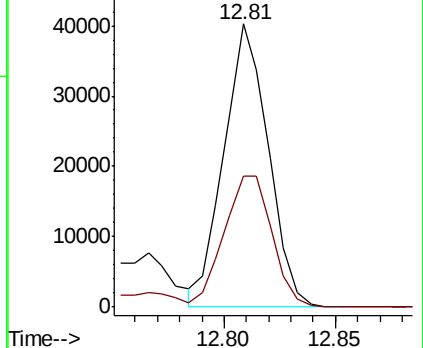
105 100

120 50.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 106.121 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

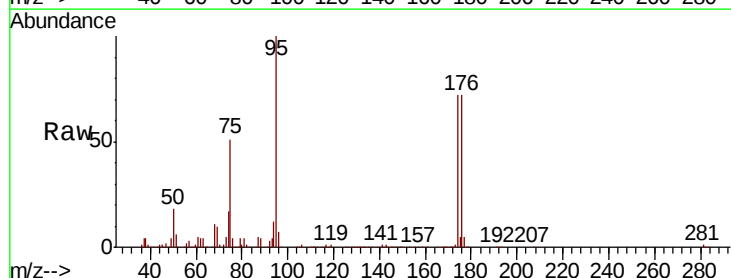
Tgt Ion: 75 Resp: 100985

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

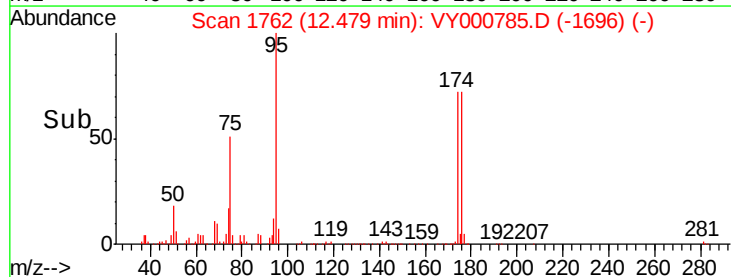
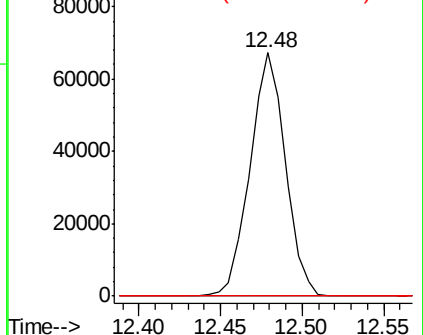
89 0.1 35.9 53.9#

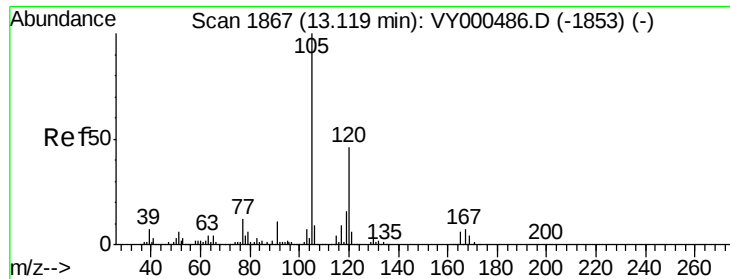


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

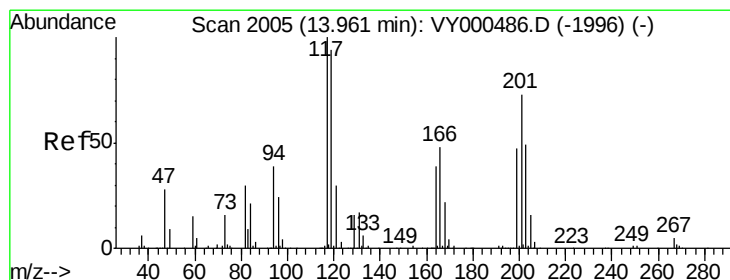
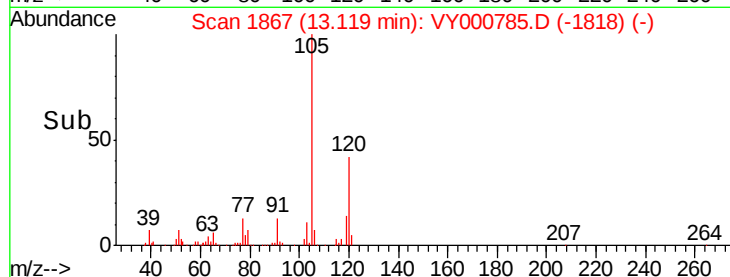
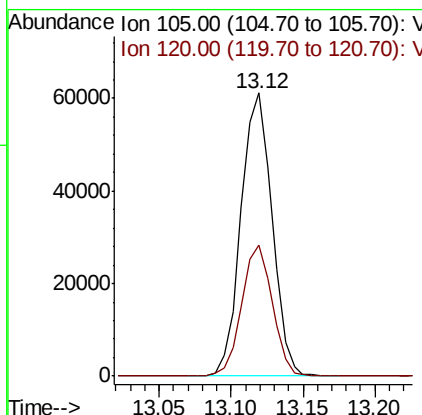
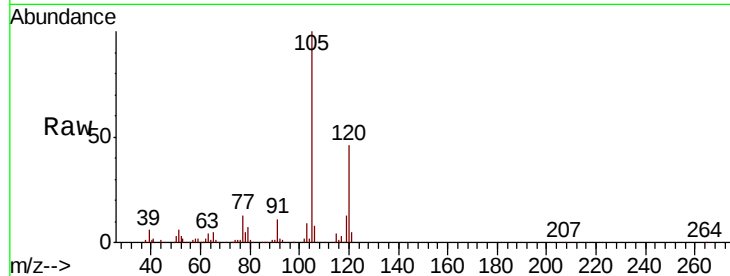




#84
 1,2,4-Trimethylbenzene
 Concen: 7.960 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000785.D
 Acq: 22 Nov 2019 12:05

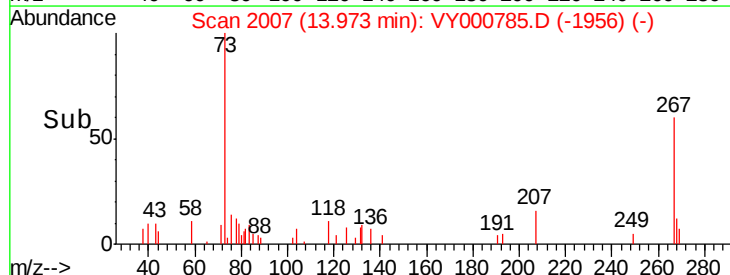
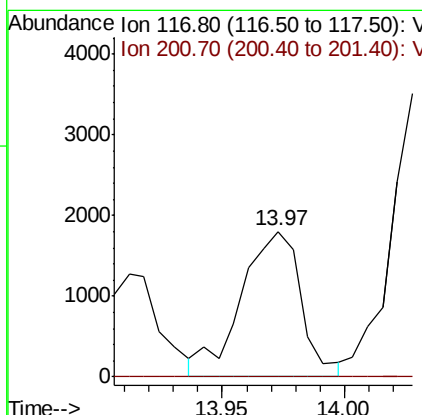
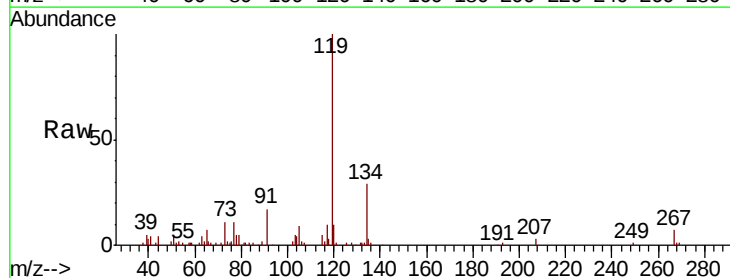
Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-4-5-GRAB-B2

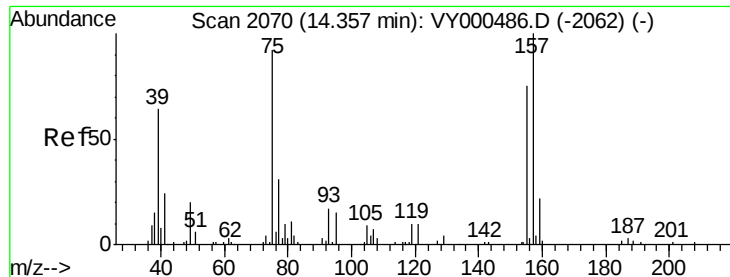
Tot Ion:105 Resp: 91419
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.3 69.9



#90
 Hexachloroethane
 Concen: 1.331 ug/l
 RT: 13.97 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: VY000785.D
 Acq: 22 Nov 2019 12:05

Tgt Ion:117 Resp: 3076
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.8 107.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.629 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-4-5-GRAB-B2

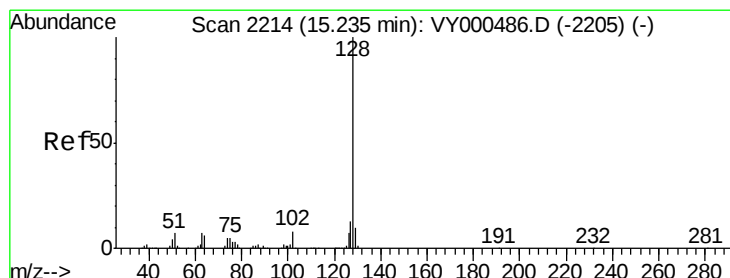
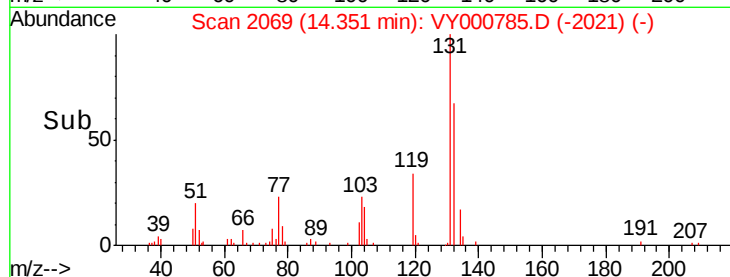
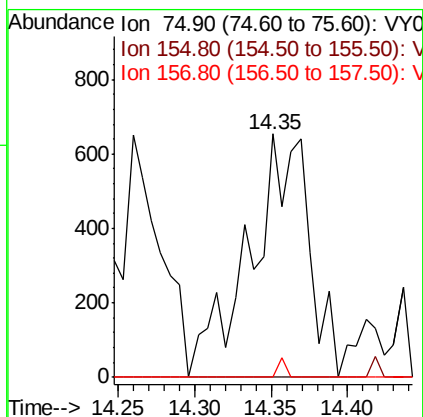
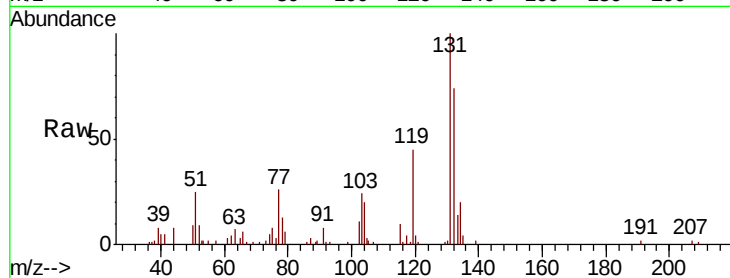
Tot Ion: 75 Resp: 1761

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.1#

157 1.1 55.1 165.3#



#95

Naphthalene

Concen: 462.348 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000785.D

Acq: 22 Nov 2019 12:05

Tgt Ion: 128 Resp: 3900466

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.6

129 10.9 8.7 13.1

