

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000763.D
 Acq On : 21 Nov 2019 13:15
 Operator : SY/MD
 Sample : VY1121SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

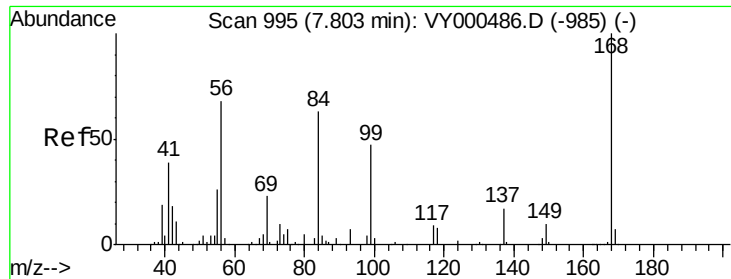
Quant Time: Nov 22 03:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	325102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	588374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	517994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	229571	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	185600	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
35) Dibromofluoromethane	7.72	113	168000	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.18	98	696876	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.48	95	234080	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	381	3.280	ug/l #	86
11) Tert butyl alcohol	4.96	59	868	2.650	ug/l #	79
15) Acrylonitrile	5.18	53	1179	1.172	ug/l #	88
16) Acetone	3.97	43	5142	5.545	ug/l	92
20) Methylene Chloride	4.72	84	8678	2.184	ug/l	86
25) 2-Butanone	7.00	43	3947	2.667	ug/l #	89
28) Bromochloromethane	7.35	49	337	4.202	ug/l #	39
30) Chloroform	7.52	83	8679	1.380	ug/l	88
31) Cyclohexane	7.80	56	7342	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	24709	4.442	ug/l #	50
38) Carbon Tetrachloride	7.80	117	33193	6.202	ug/l #	15
49) 1,4-Dioxane	9.30	88	128	4.309	ug/l #	26
59) 2-Hexanone	10.83	43	2759	1.148	ug/l	82
76) 1,2,3-Trichloropropane	12.48	75	118079	45.172	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118079	101.282	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	21071	1.498	ug/l	98
95) Naphthalene	15.23	128	13771	1.332	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000763.D

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MSVOA_Y

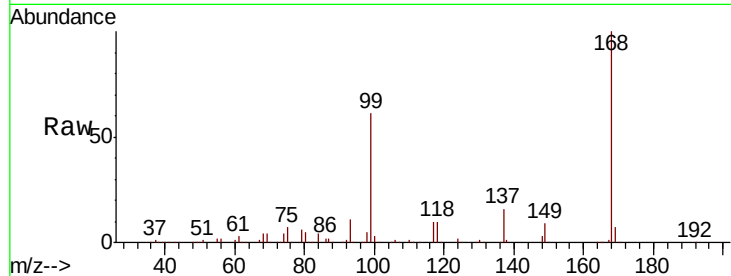
ClientSampleId :

Tot Ion:168 Resp: 325102

Ion Ratio Lower Upper

168 100

99 60.9 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

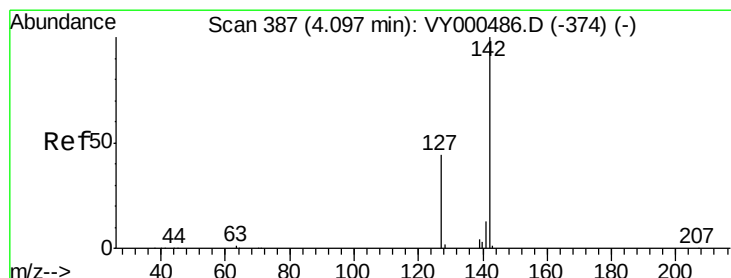
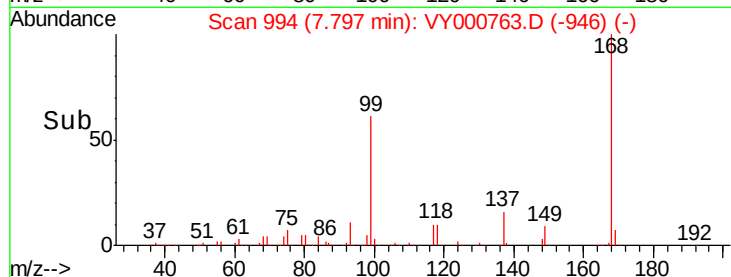
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.280 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

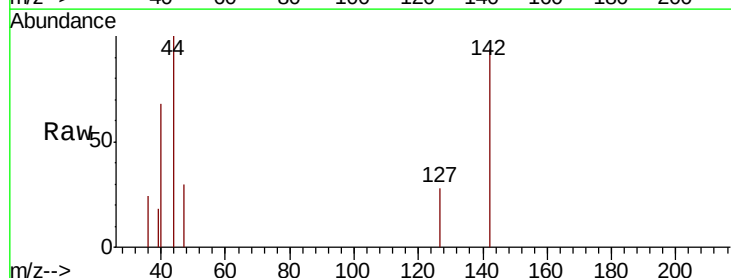
Tgt Ion:142 Resp: 381

Ion Ratio Lower Upper

142 100

127 37.3 33.7 50.5

141 0.0 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

4.10

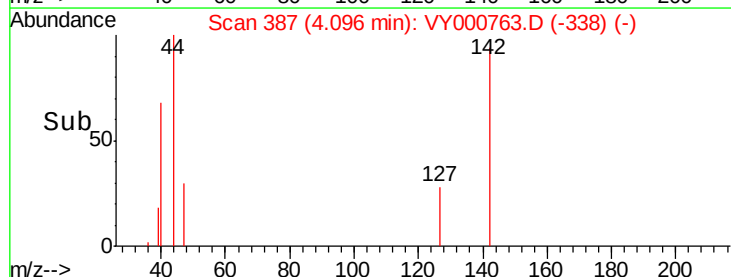
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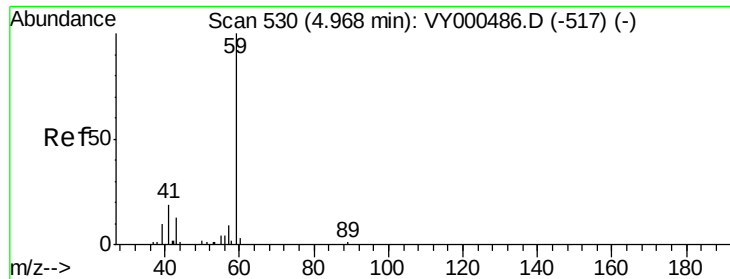
200

100

0

Time-->

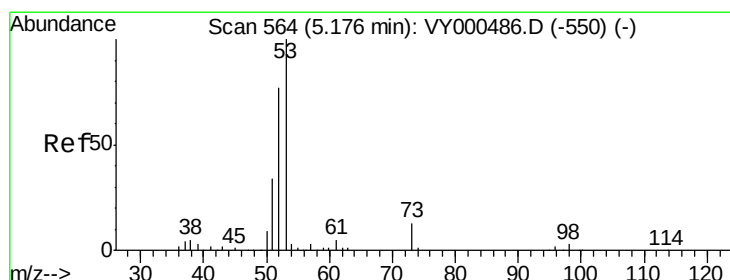
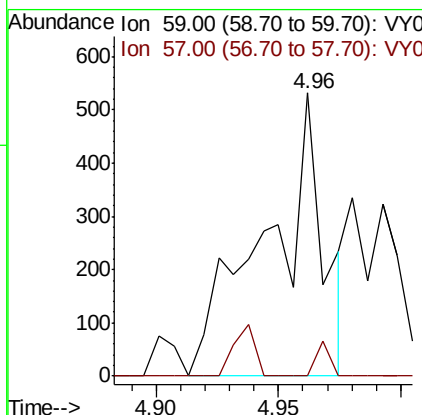
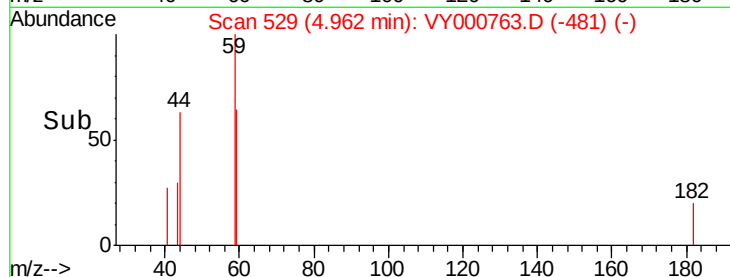
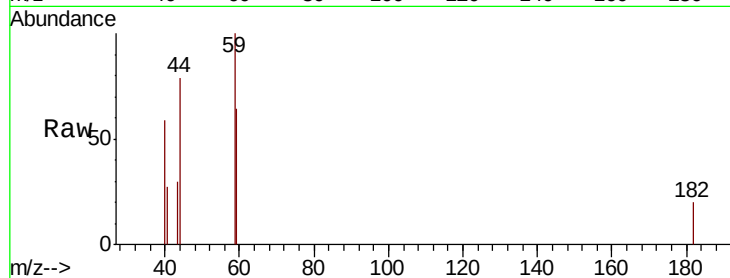




#11
Tert butyl alcohol
Concen: 2.650 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

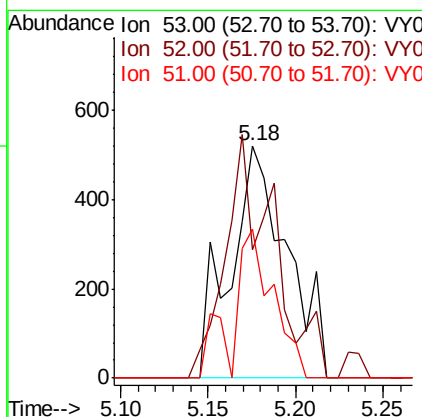
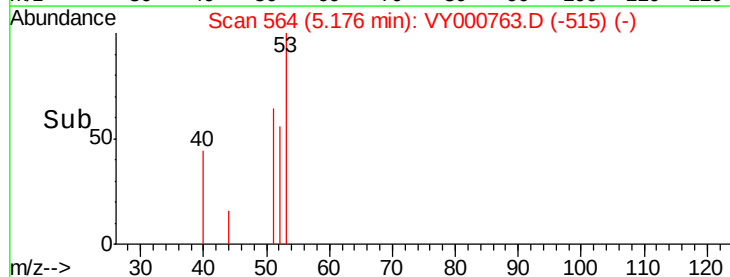
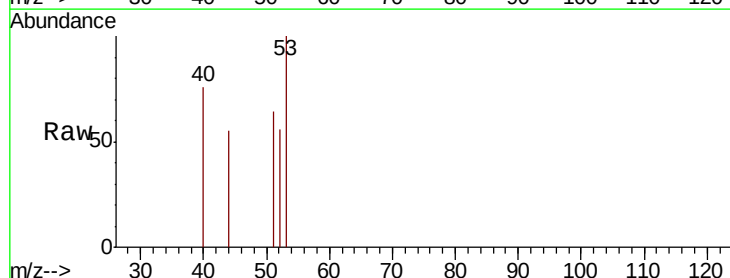
Instrument :
MSVOA_Y
ClientSampled :

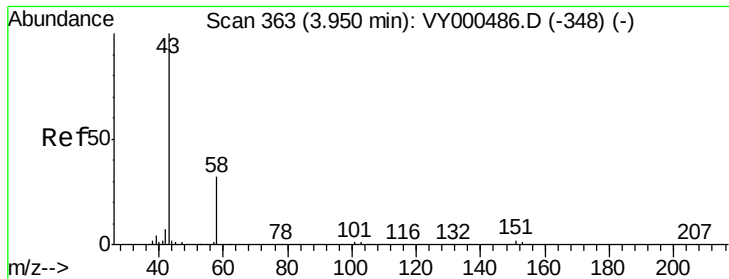
Tot Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 2.8 8.6 12.8#



#15
Acrylonitrile
Concen: 1.172 ug/l
RT: 5.18 min Scan# 564
Delta R.T. -0.00 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

Tgt Ion: 53 Resp: 1179
Ion Ratio Lower Upper
53 100
52 89.0 64.9 97.3
51 45.9 27.6 41.4#





#16

Acetone

Concen: 5.545 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

Instrument :

MSVOA_Y

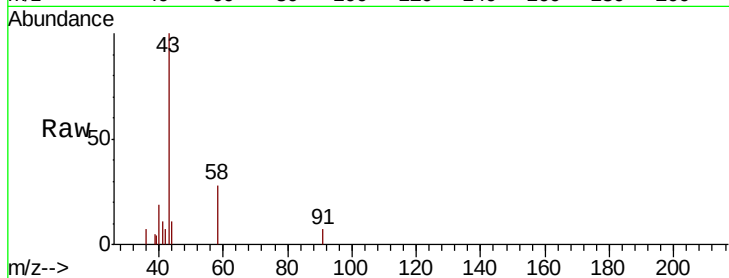
ClientSampleId :

Tot Ion: 43 Resp: 5142

Ion Ratio Lower Upper

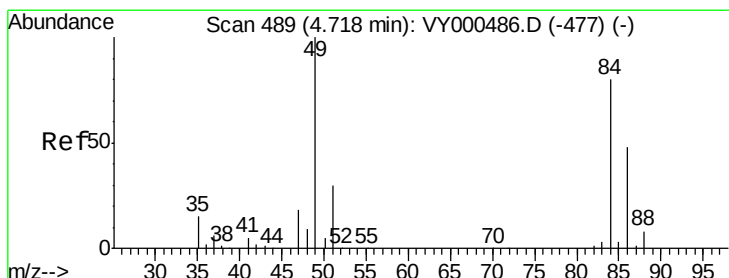
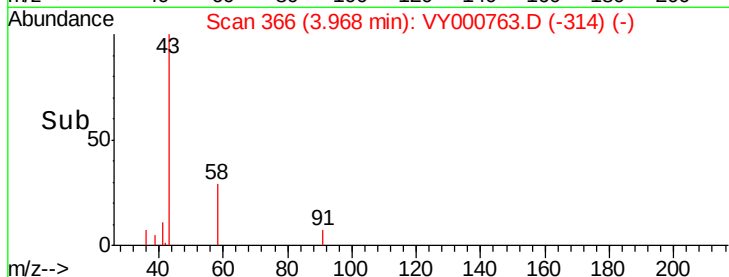
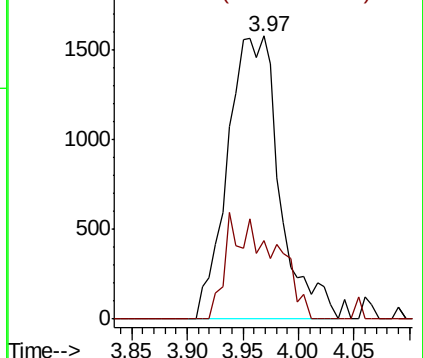
43 100

58 28.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.184 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

Tgt Ion: 84 Resp: 8678

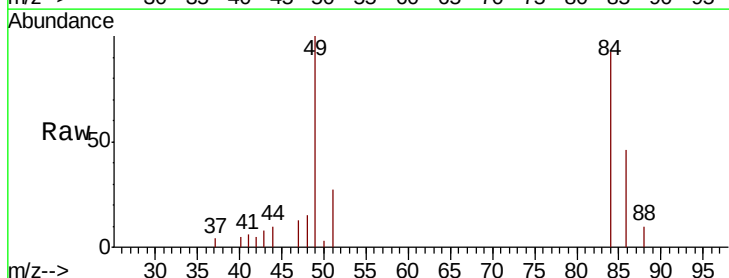
Ion Ratio Lower Upper

84 100

49 107.9 100.2 150.4

51 29.7 29.6 44.4

86 49.9 48.3 72.5

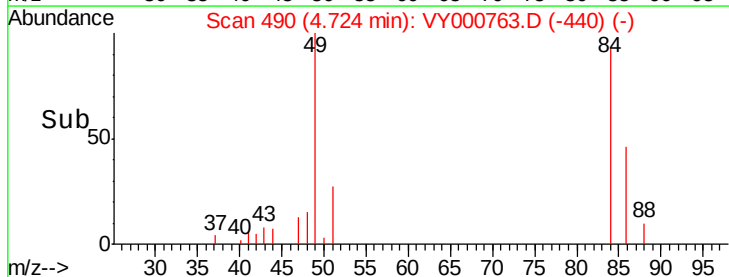
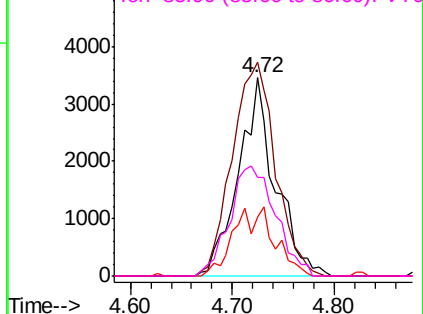


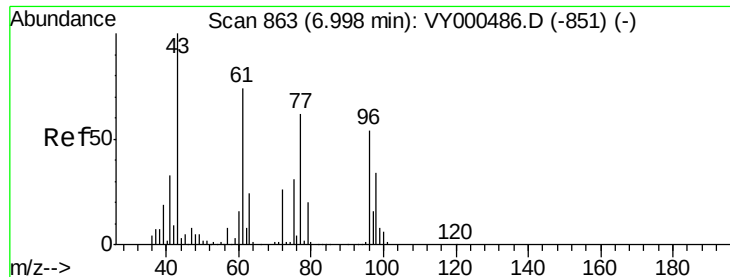
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

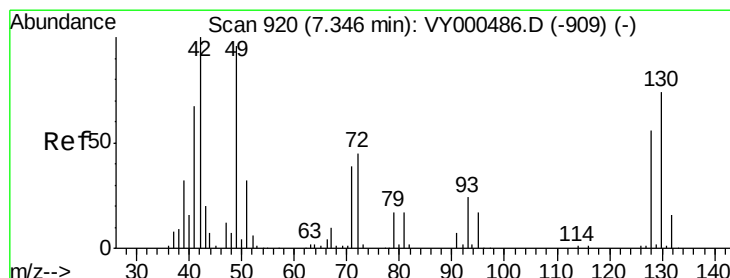
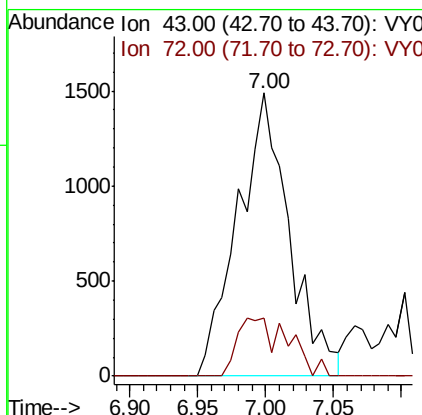
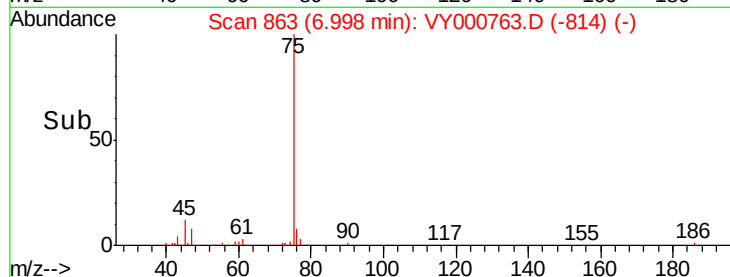
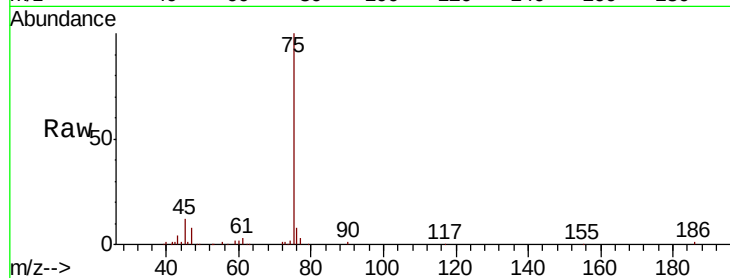




#25
2-Butanone
Concen: 2.667 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

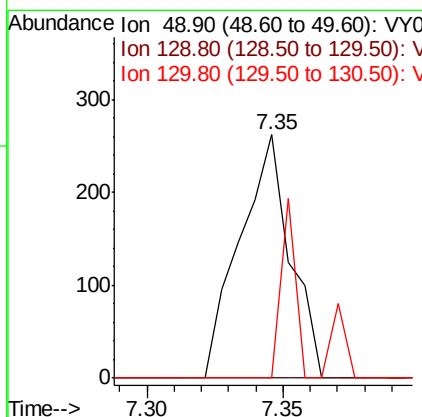
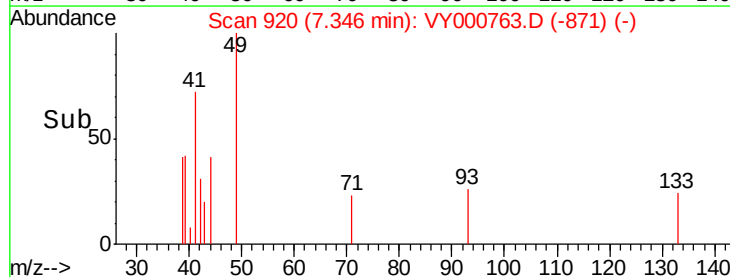
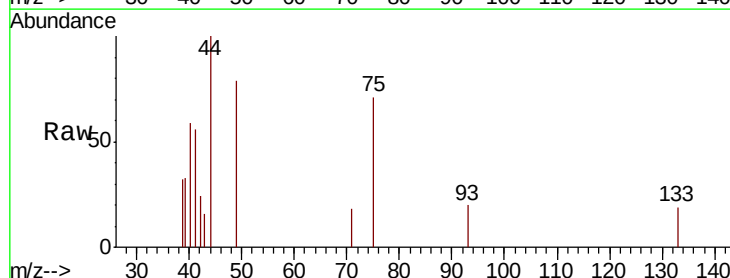
Instrument :
MSVOA_Y
ClientSampleId :

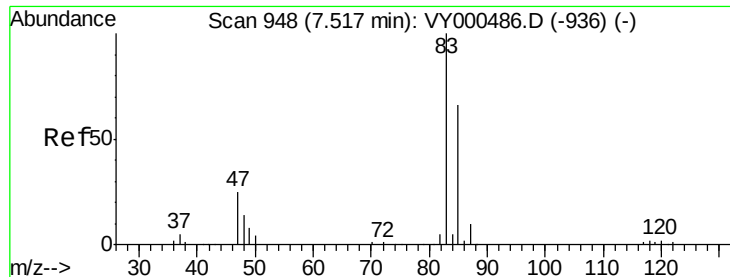
Tot Ion: 43 Resp: 3947
Ion Ratio Lower Upper
43 100
72 20.6 20.9 31.3#



#28
Bromochloromethane
Concen: 4.202 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

Tgt Ion: 49 Resp: 337
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 21.1 59.4 89.0#

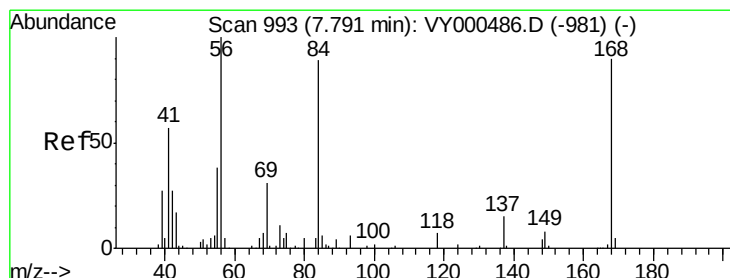
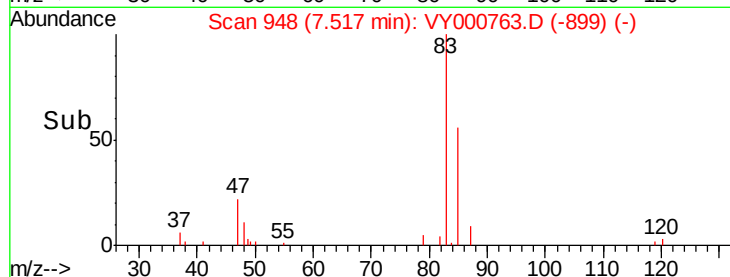
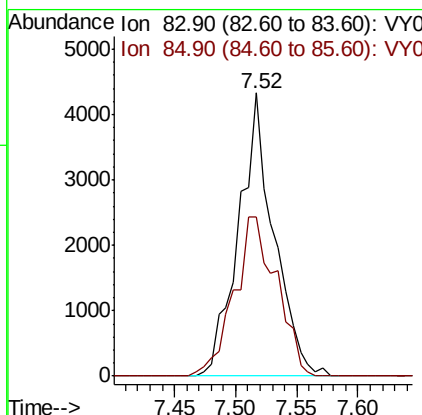
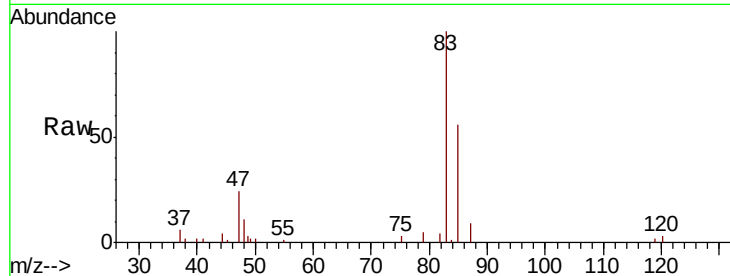




#30
Chloroform
Concen: 1.380 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

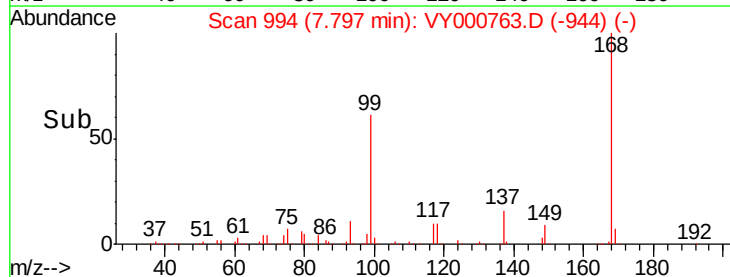
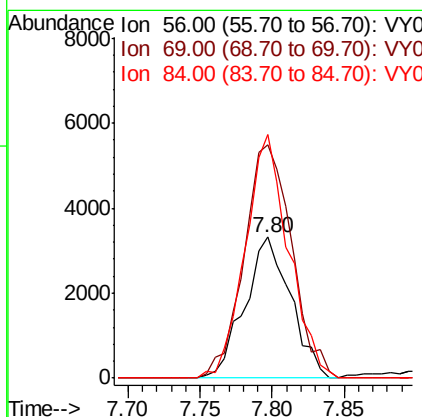
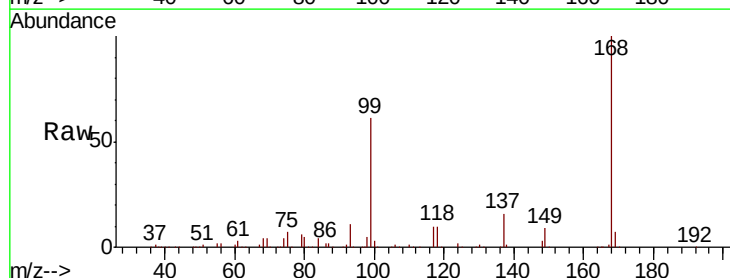
Instrument :
MSVOA_Y
ClientSampled :

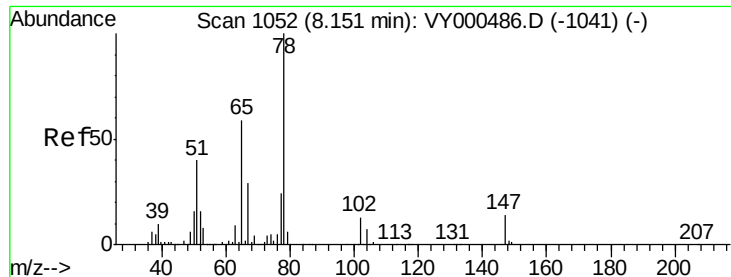
Tot Ion: 83 Resp: 8679
Ion Ratio Lower Upper
83 100
85 56.5 53.0 79.4



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

Tgt Ion: 56 Resp: 7342
Ion Ratio Lower Upper
56 100
69 165.4 25.0 37.6#
84 172.9 71.4 107.2#

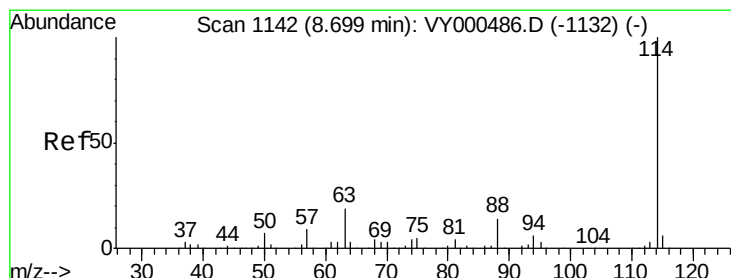
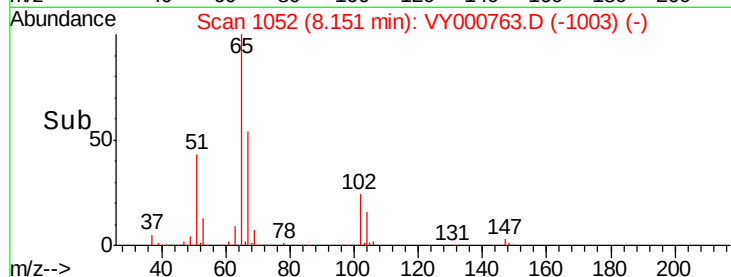
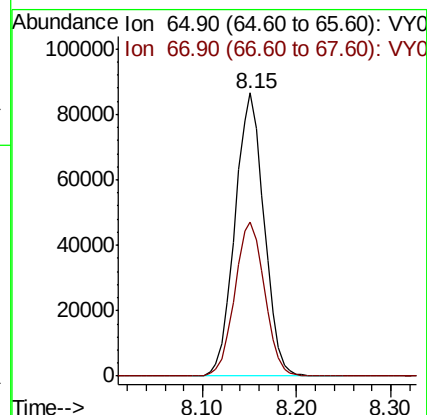
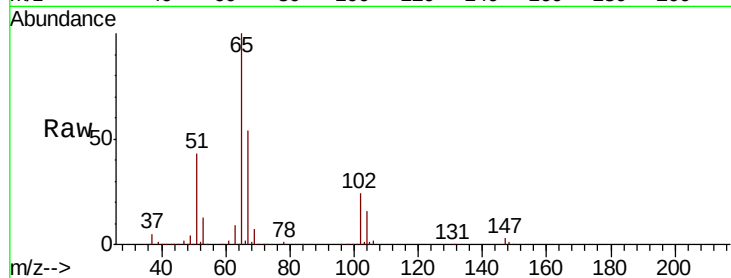




#33
 1,2-Dichloroethane-d4
 Concen: 55.166 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000763.D
 Acq: 21 Nov 2019 13:15

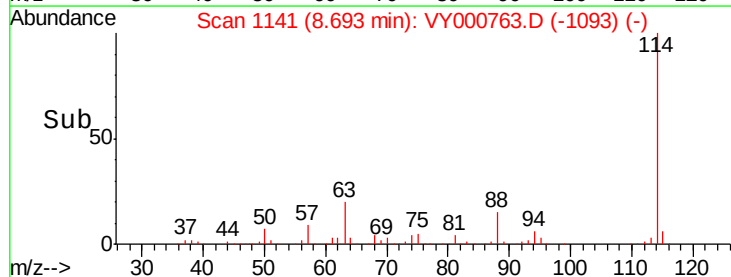
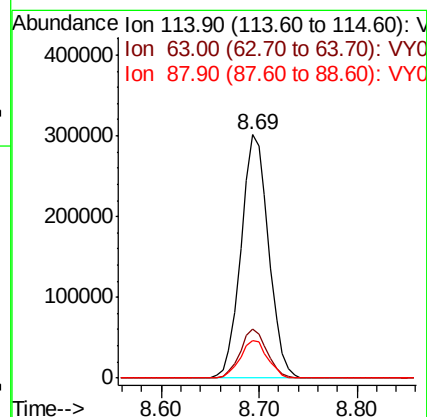
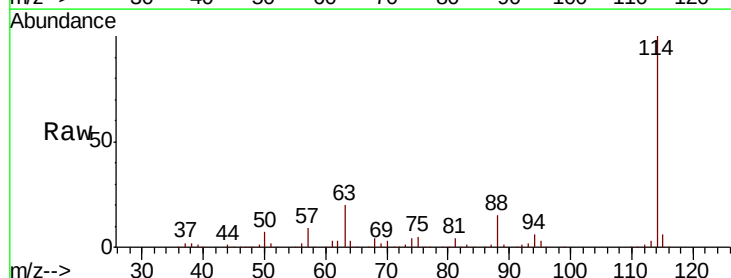
Instrument :
 MSVOA_Y
 ClientSampleId :

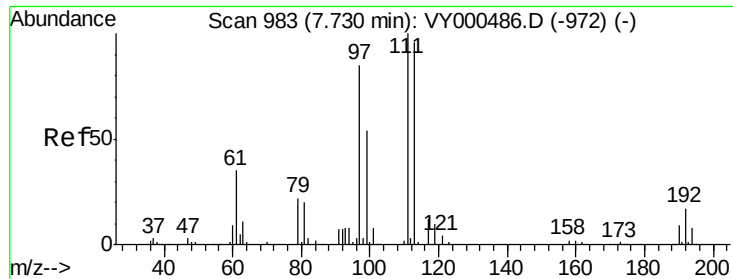
Tot Ion: 65 Resp: 185600
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000763.D
 Acq: 21 Nov 2019 13:15

Tgt Ion: 114 Resp: 588374
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 15.4 0.0 28.6

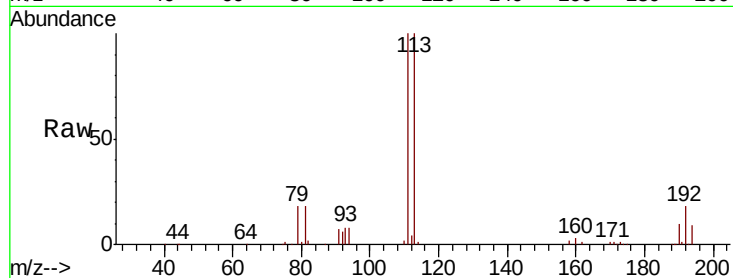




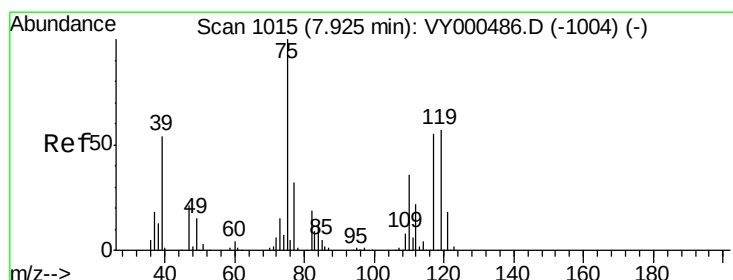
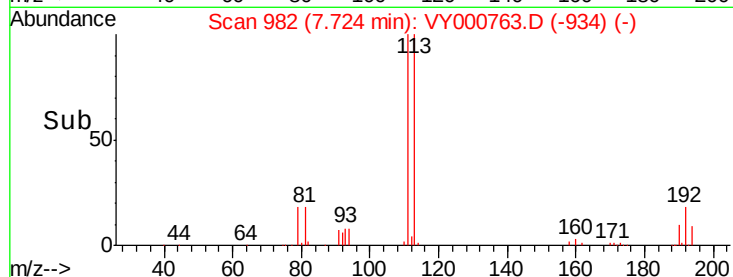
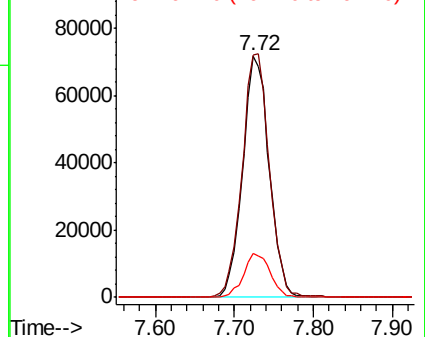
#35
 Dibromofluoromethane
 Concen: 48.637 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000763.D
 Acq: 21 Nov 2019 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 168000
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.7 122.5
 192 18.2 15.0 22.4

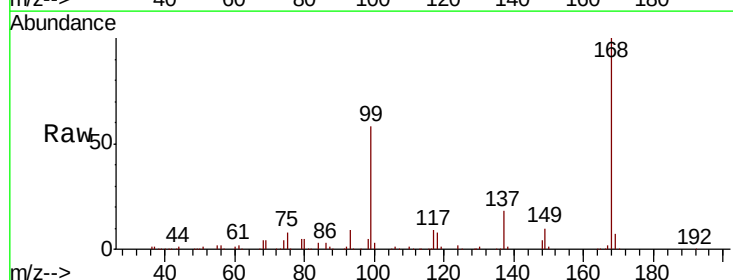


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

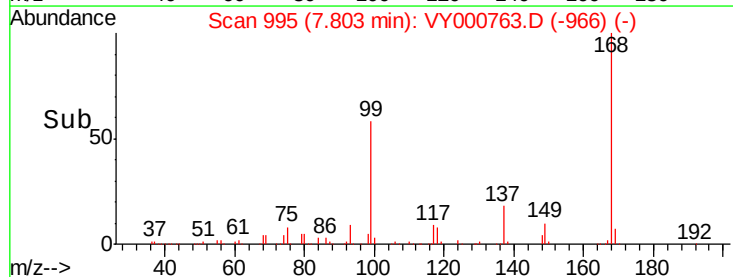
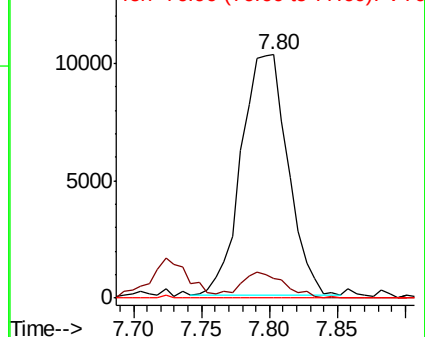


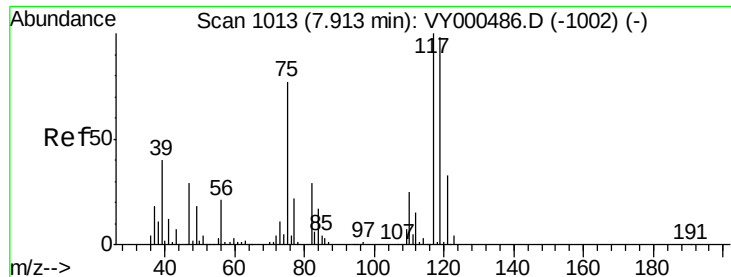
#36
 1,1-Dichloropropene
 Concen: 4.442 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000763.D
 Acq: 21 Nov 2019 13:15

Tgt Ion: 75 Resp: 24709
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.1#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.202 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

Instrument :

MSVOA_Y

ClientSampleId :

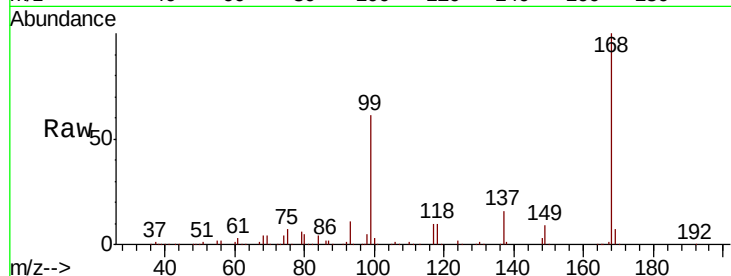
Tot Ion:117 Resp: 33193

Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

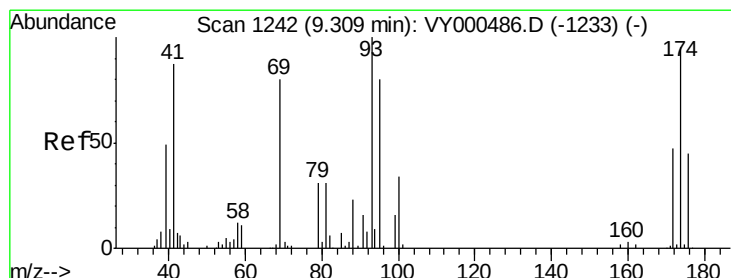
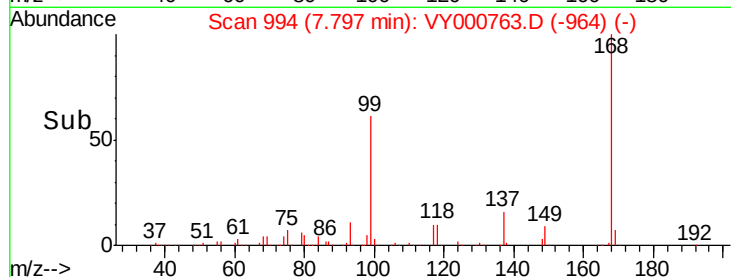
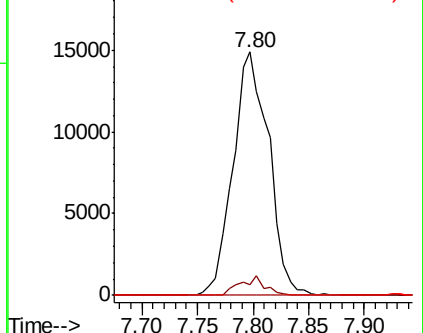
121 0.0 26.6 40.0#



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



#49

1,4-Dioxane

Concen: 4.309 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

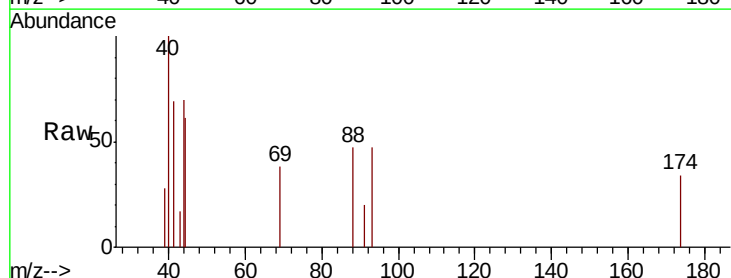
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 60.2 25.1 37.7#

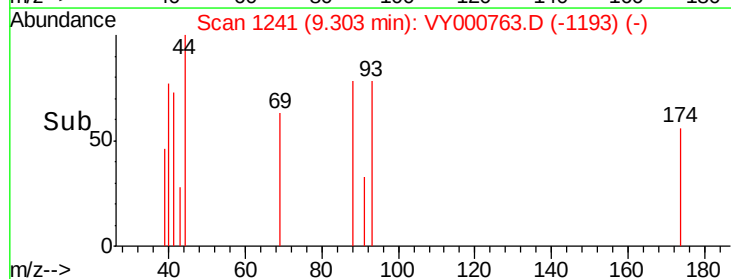
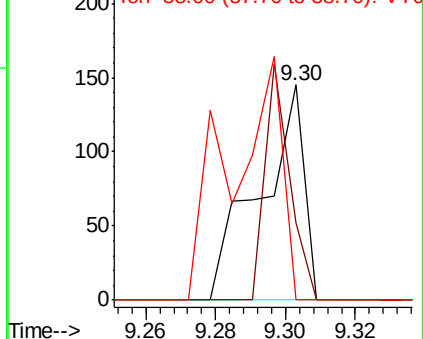
58 129.7 50.6 75.8#

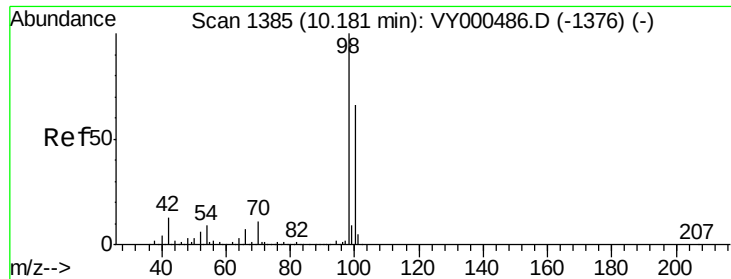


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 53.170 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

Instrument :

MSVOA_Y

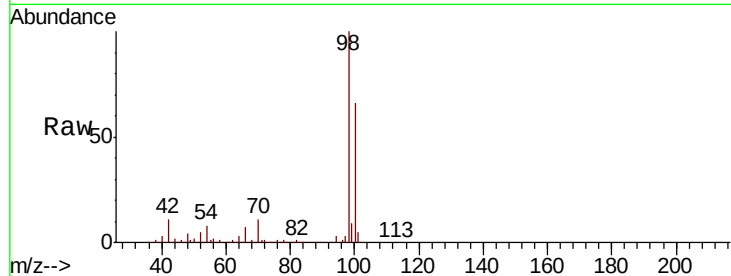
ClientSampleId :

Tot Ion: 98 Resp: 696876

Ion Ratio Lower Upper

98 100

100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000486.D (-1376) (-)

10.18

400000

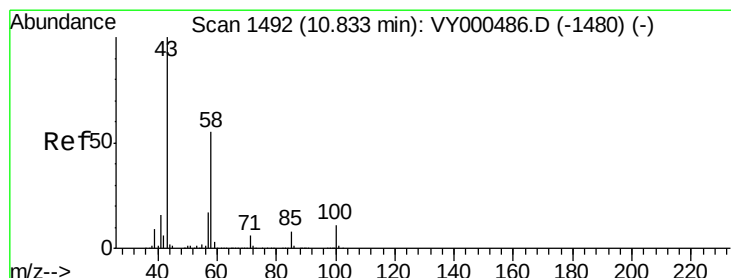
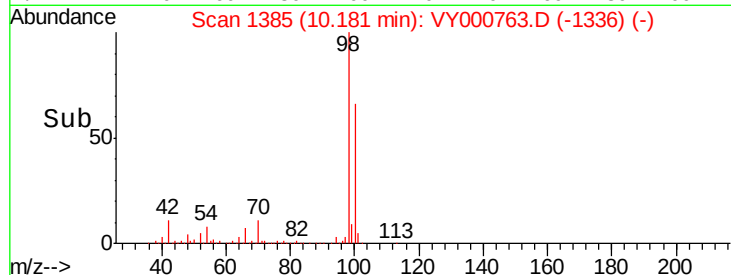
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 1.148 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000763.D

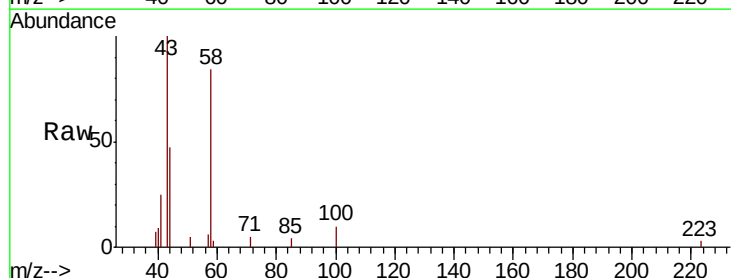
Acq: 21 Nov 2019 13:15

Tgt Ion: 43 Resp: 2759

Ion Ratio Lower Upper

43 100

58 67.2 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1480) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1480) (-)

10.83

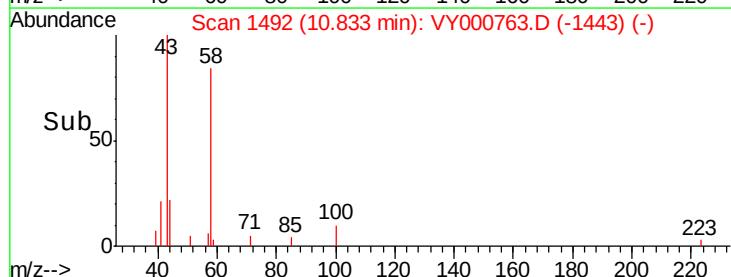
1500

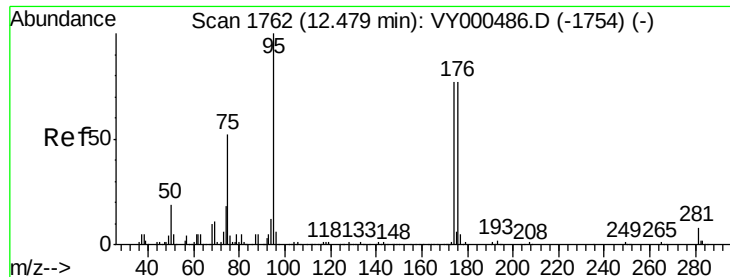
1000

500

0

Time-->

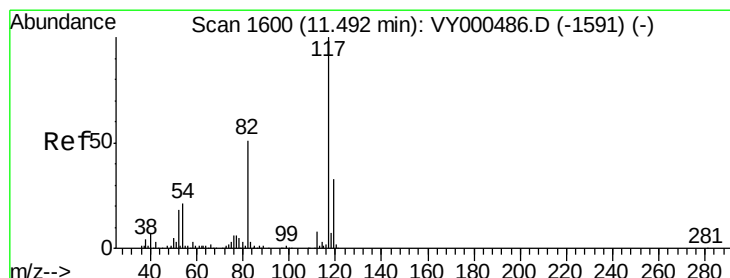
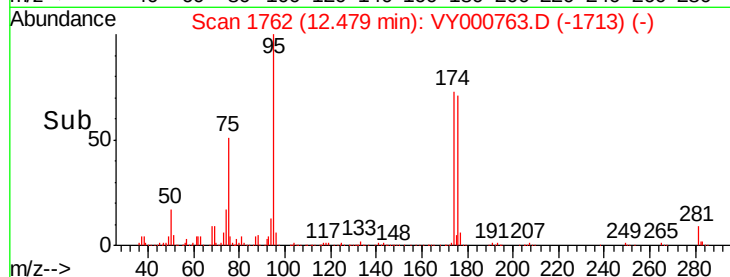
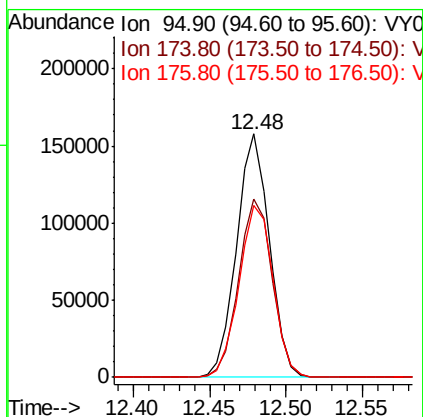
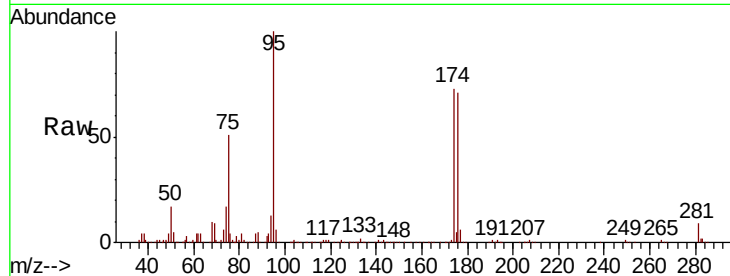




#62
4-Bromofluorobenzene
Concen: 46.913 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

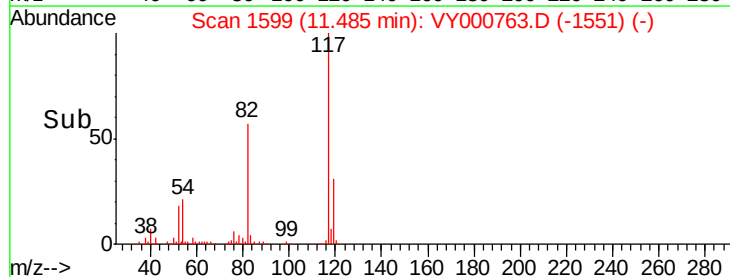
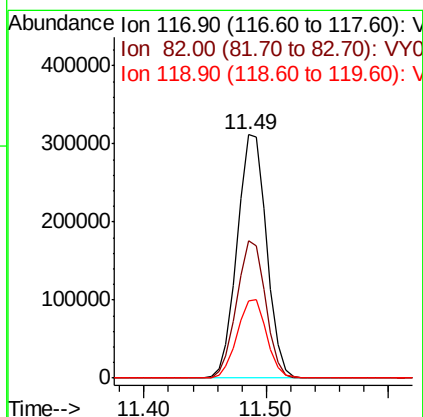
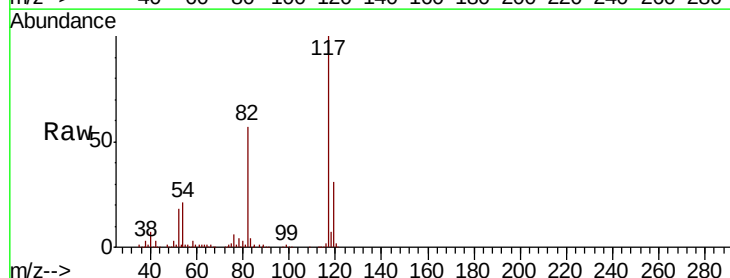
Instrument :
MSVOA_Y
ClientSampleId :

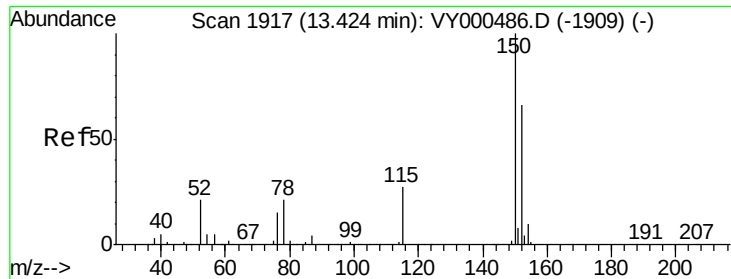
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	161.6
176	73.5	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.8	61.2
119	31.5	26.2	39.2



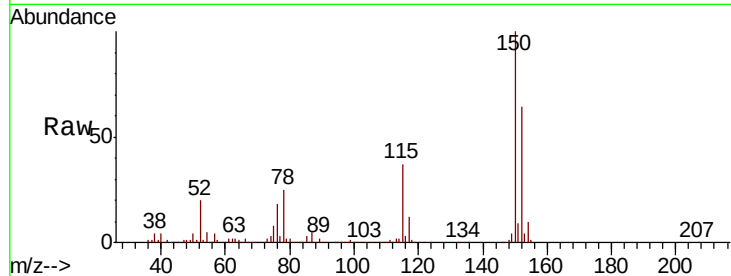


#72

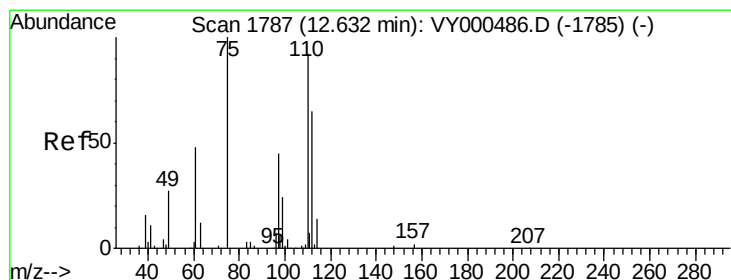
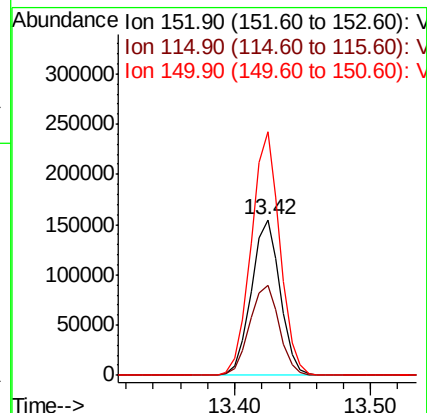
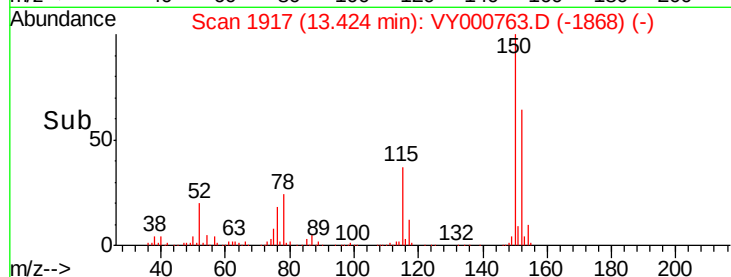
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.1	87.4
150	156.0	0.0	348.8



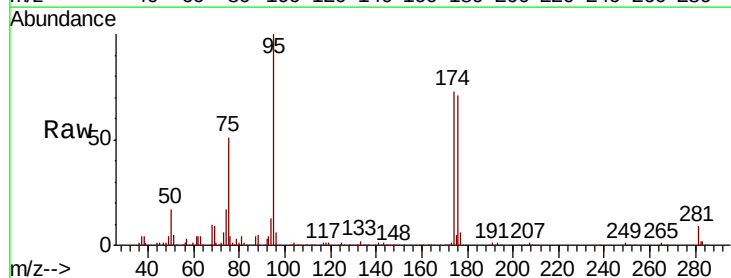
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



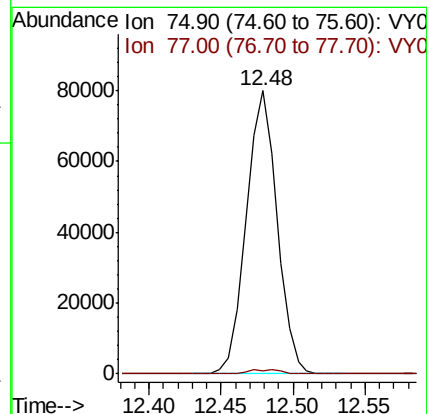
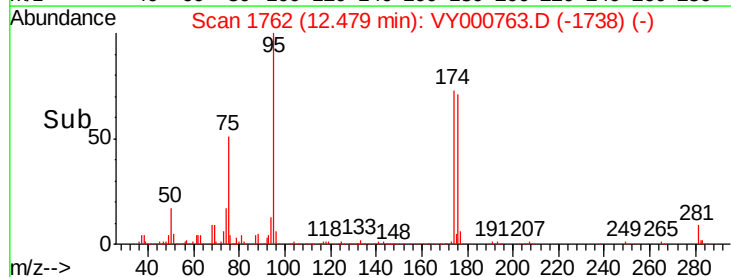
#76

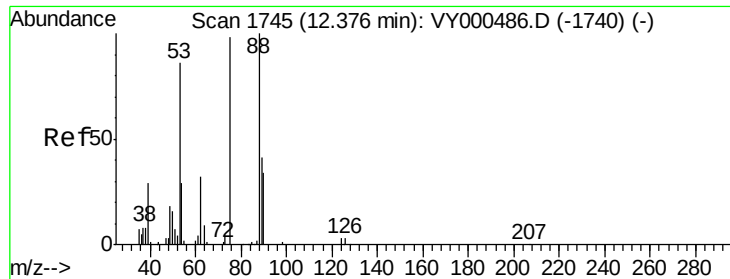
1,2,3-Trichloropropane
Concen: 45.172 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000763.D
Acq: 21 Nov 2019 13:15

Tgt 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: 101.282 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

Instrument :

MSVOA_Y

ClientSampled :

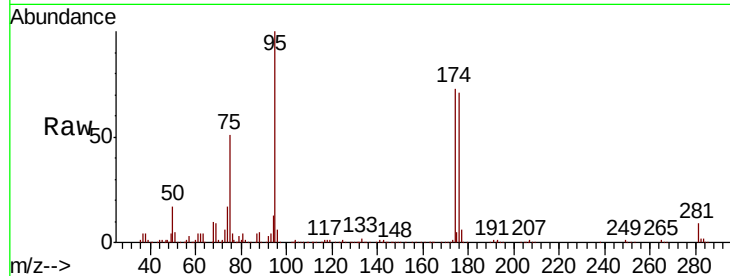
Tot Ion: 75 Resp: 118079

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

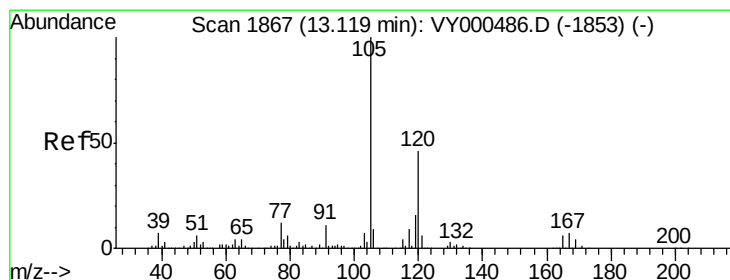
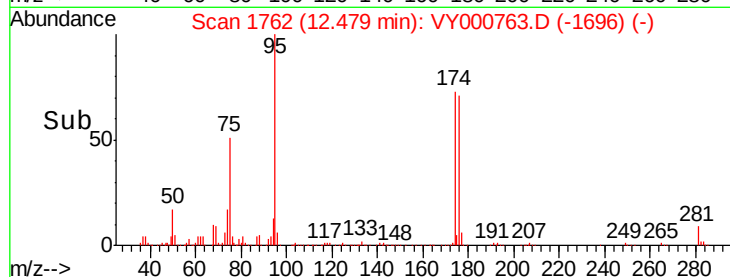
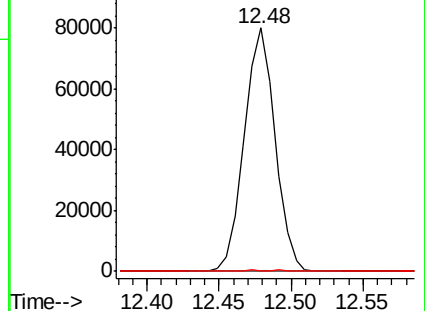
89 0.2 35.9 53.9#



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: 1.498 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000763.D

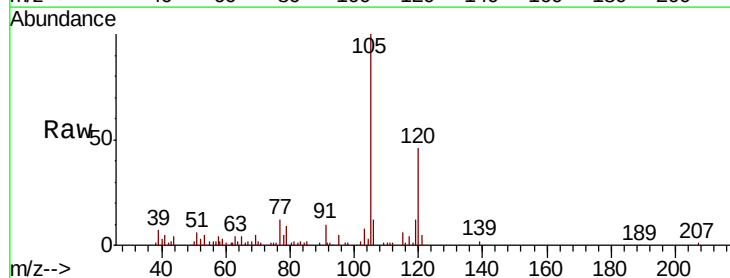
Acq: 21 Nov 2019 13:15

Tgt Ion:105 Resp: 21071

Ion Ratio Lower Upper

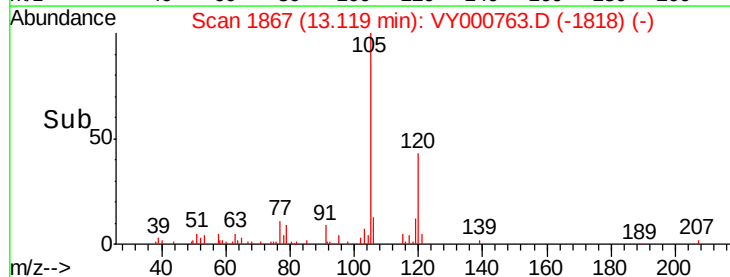
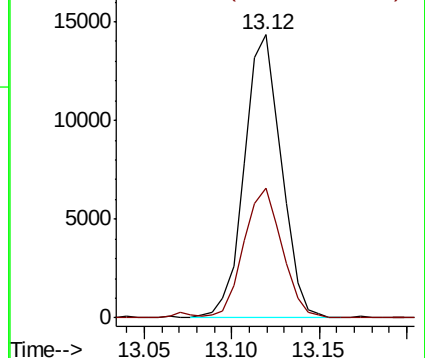
105 100

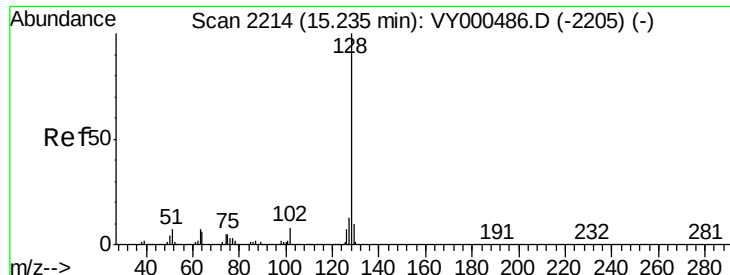
120 47.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.332 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000763.D

Acq: 21 Nov 2019 13:15

Instrument :

MSVOA_Y

ClientSampleId :

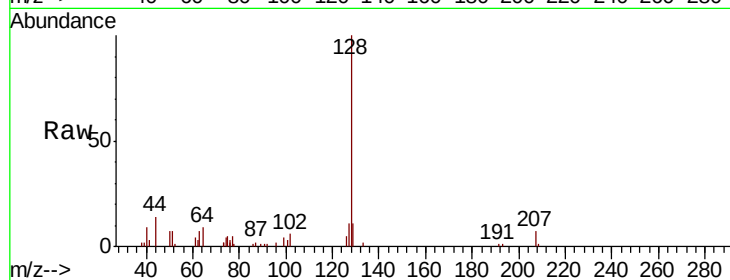
Tot Ion:128 Resp: 13771

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.6

129 12.0 8.7 13.1



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

