

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001584.D
 Acq On : 10 Feb 2020 14:35
 Operator : SY/MD
 Sample : L1456-04
 Misc : 6.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 05:58:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

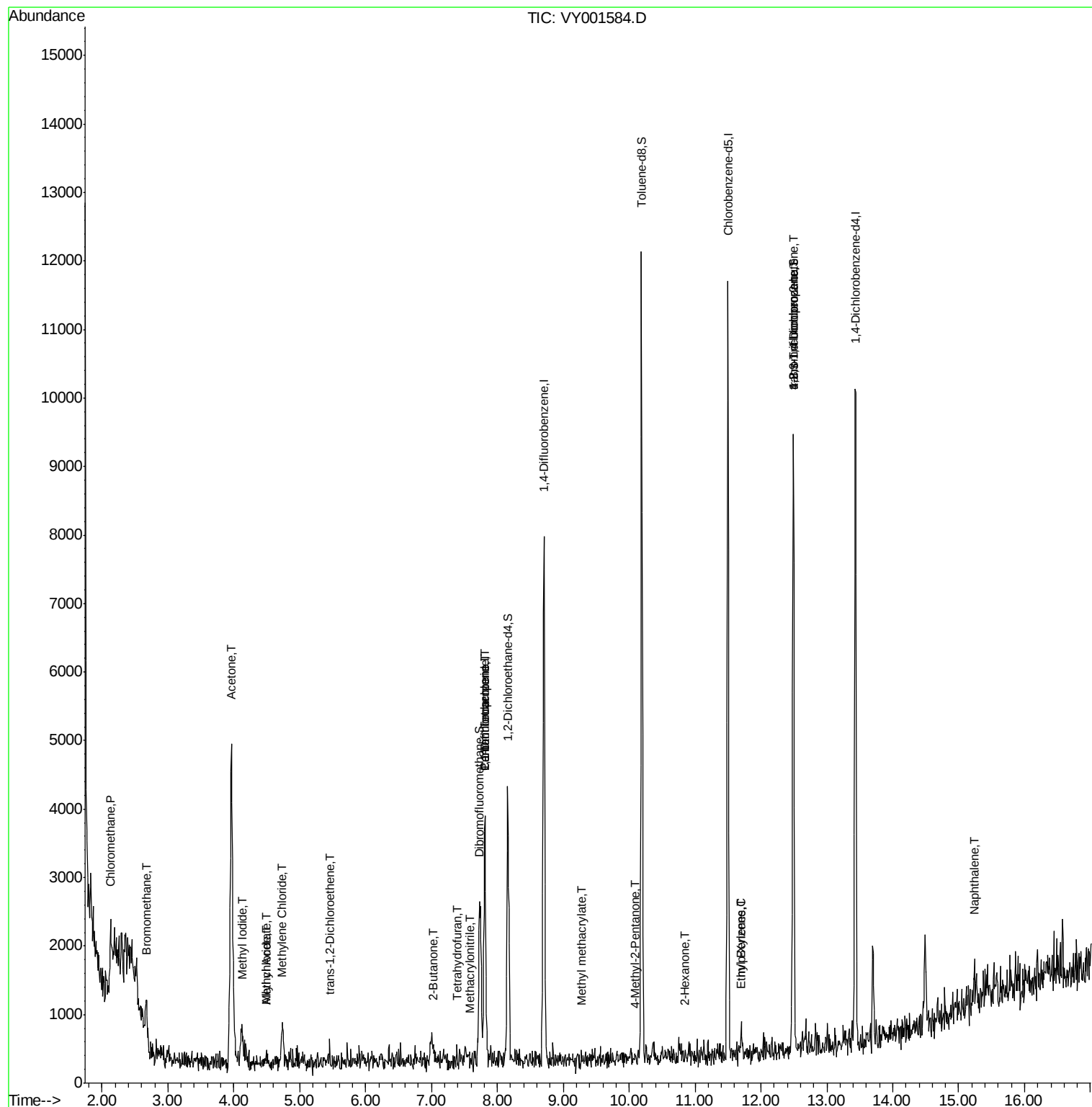
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	3192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	6529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	6557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	2842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	2825	87.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.80%	
35) Dibromofluoromethane	7.73	113	1738	46.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.19	98	7813	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
62) 4-Bromofluorobenzene	12.49	95	3058	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	341	10.442	ug/l	99
5) Bromomethane	2.68	94	359	16.834	ug/l #	48
10) Methyl Iodide	4.13	142	999	23.216	ug/l #	75
11) Tert butyl alcohol	4.99	59	39	Below Cal	#	76
14) Allyl chloride	4.49	41	53	1.032	ug/l #	24
16) Acetone	3.96	43	7952	855.375	ug/l	97
18) Methyl Acetate	4.49	43	141	7.107	ug/l #	49
20) Methylene Chloride	4.74	84	412	7.280	ug/l #	69
21) trans-1,2-Dichloroethene	5.46	96	43	1.153	ug/l #	1
25) 2-Butanone	7.04	43	26	2.156	ug/l #	45
29) Tetrahydrofuran	7.38	42	21	2.905	ug/l #	31
36) 1,1-Dichloropropene	7.82	75	221	3.700	ug/l #	41
38) Carbon Tetrachloride	7.82	117	281	4.863	ug/l #	12
41) Methacrylonitrile	7.60	41	45	3.358	ug/l #	1
48) Methyl methacrylate	9.27	41	44	1.693	ug/l #	10
51) 4-Methyl-2-Pentanone	10.10	43	62	2.199	ug/l #	33
59) 2-Hexanone	10.85	43	23	1.122	ug/l #	55
67) Ethyl Benzene	11.71	91	296	1.243	ug/l #	43
68) m/p-Xylenes	11.70	106	96	1.074	ug/l #	32
76) 1,2,3-Trichloropropane	12.49	75	1558	50.977	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	1558	98.638	ug/l #	16
95) Naphthalene	15.24	128	484	3.751	ug/l #	77

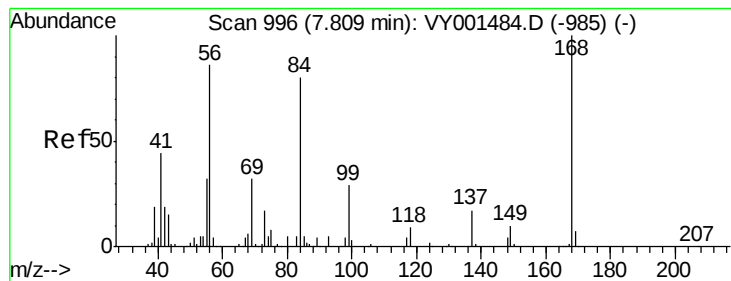
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
Data File : VY001584.D
Acq On : 10 Feb 2020 14:35
Operator : SY/MD
Sample : L1456-04
Misc : 6.05G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 11 05:58:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Instrument :

MSVOA_Y

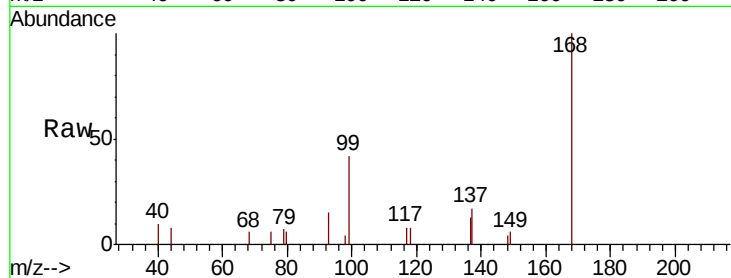
ClientSampleId :

Tot Ion:168 Resp: 3192

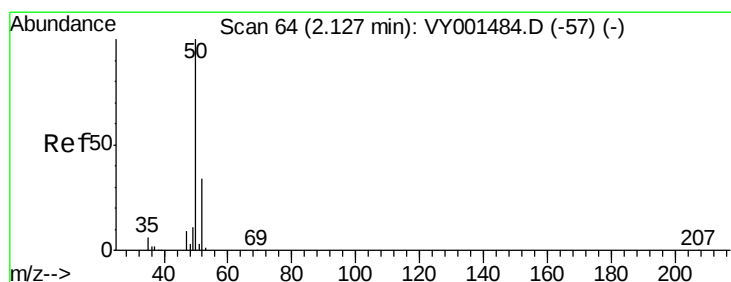
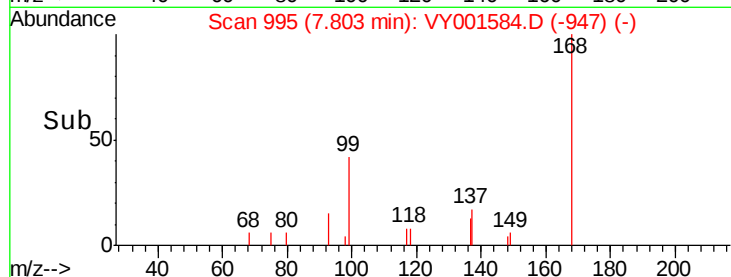
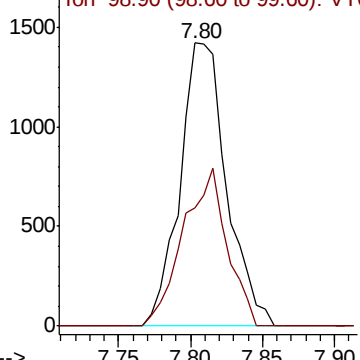
Ion Ratio Lower Upper

168 100

99 41.8 48.2 72.4#



Abundance Ion 167.90 (167.60 to 168.60): VY001584.D (-985) (-)



#3

Chloromethane

Concen: 10.442 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001584.D

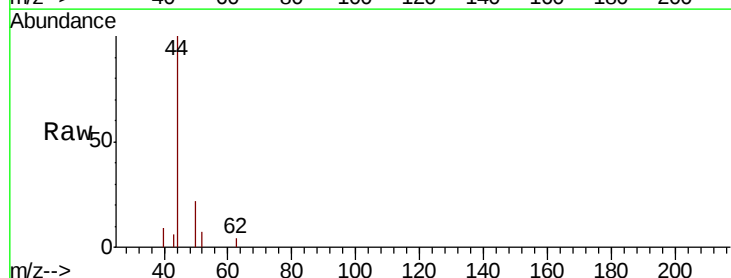
Acq: 10 Feb 2020 14:35

Tgt Ion: 50 Resp: 341

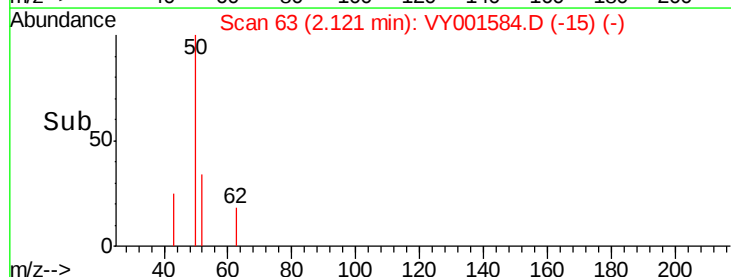
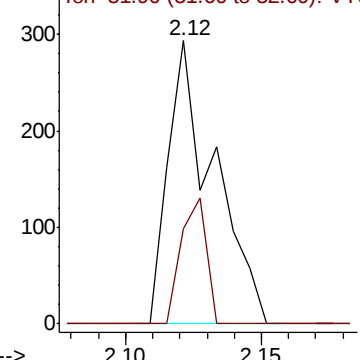
Ion Ratio Lower Upper

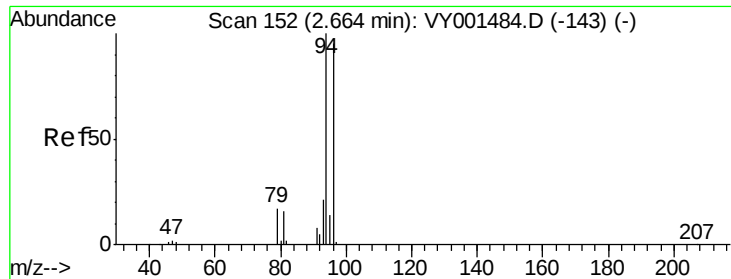
50 100

52 33.8 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY001584.D (-15) (-)





#5

Bromomethane

Concen: 16.834 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Instrument :

MSVOA_Y

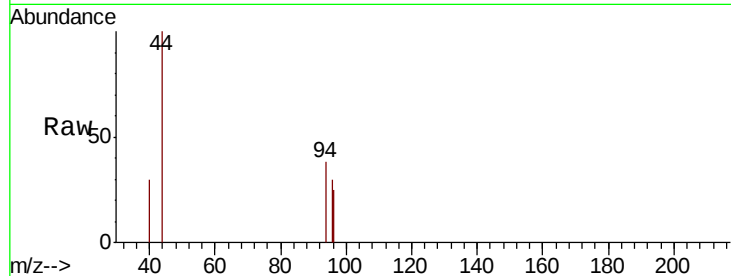
ClientSampleId :

Tot Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 146.1 76.2 114.2#

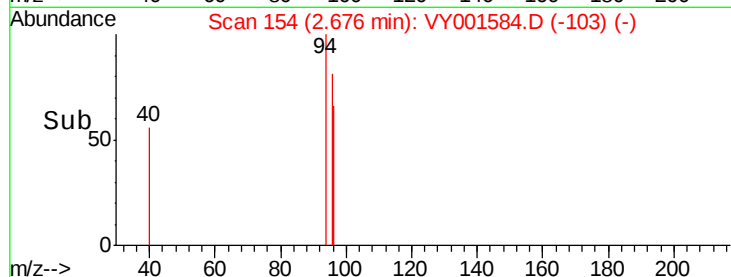


Abundance Ion 93.90 (93.60 to 94.60): VY0

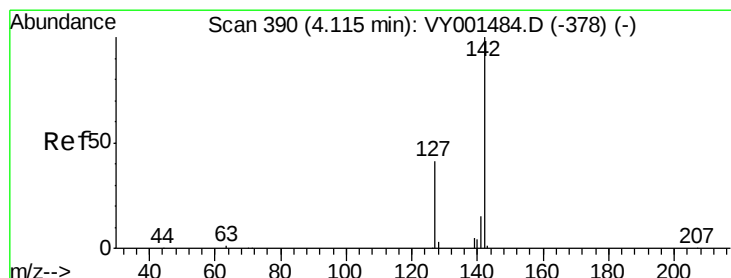
Ion 95.90 (95.60 to 96.60): VY0

2.68

Time-->



Time-->



#10

Methyl Iodide

Concen: 23.216 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

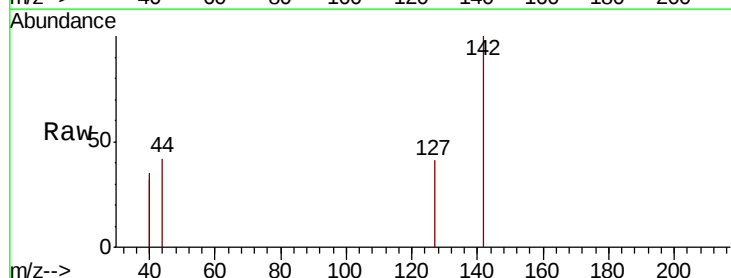
Tgt Ion: 142 Resp: 999

Ion Ratio Lower Upper

142 100

127 27.9 33.3 49.9#

141 0.0 11.5 17.3#



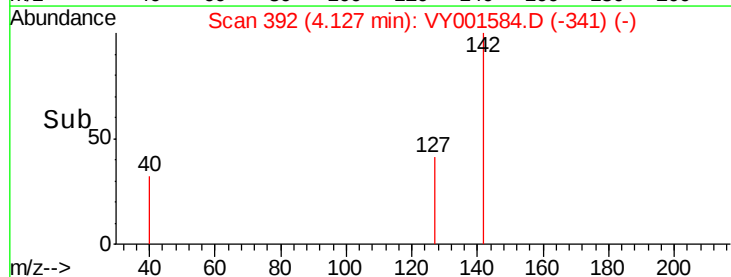
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

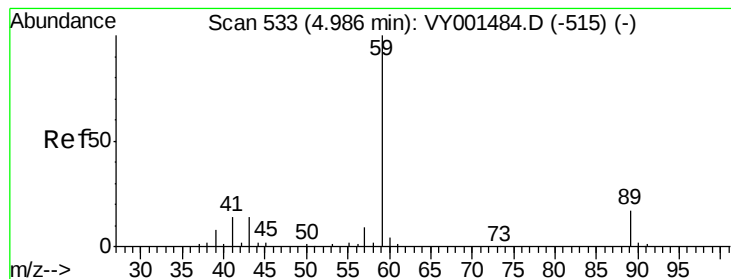
Ion 140.80 (140.50 to 141.50): V

4.13

Time-->



Time-->

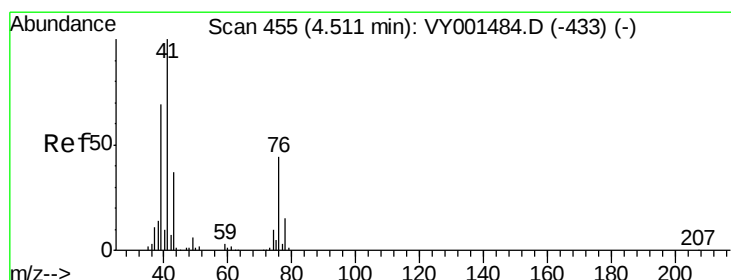
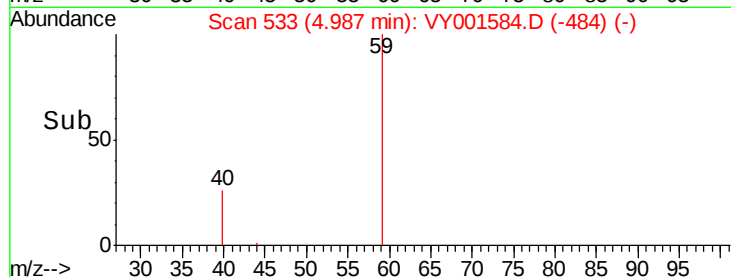
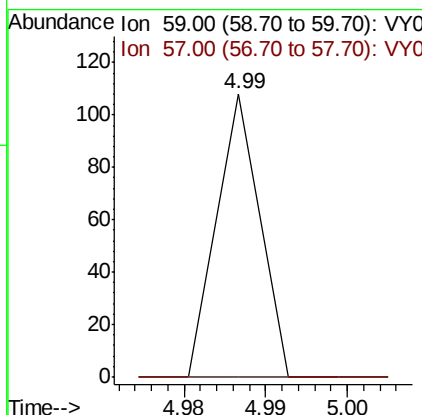
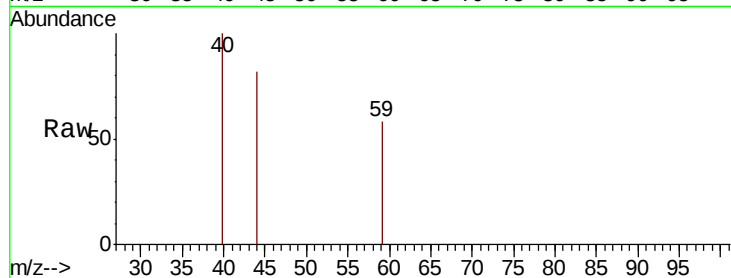


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VY001584.D
 Acq: 10 Feb 2020 14:35

Instrument :
 MSVOA_Y
 ClientSampled :

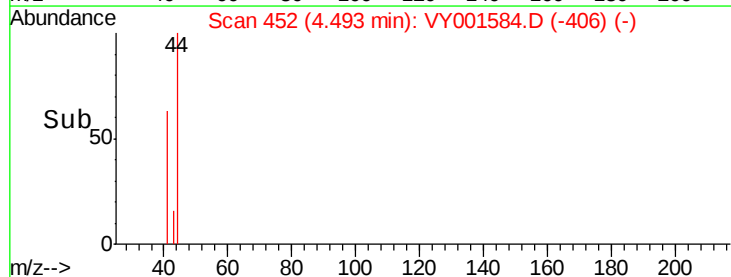
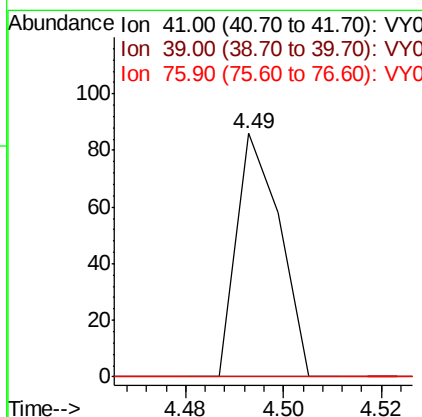
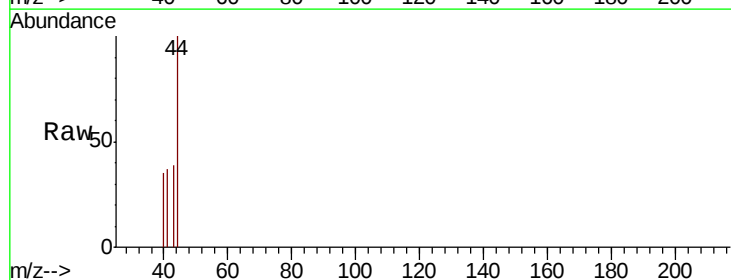
Tot Ion: 59 Resp: 39
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.6#

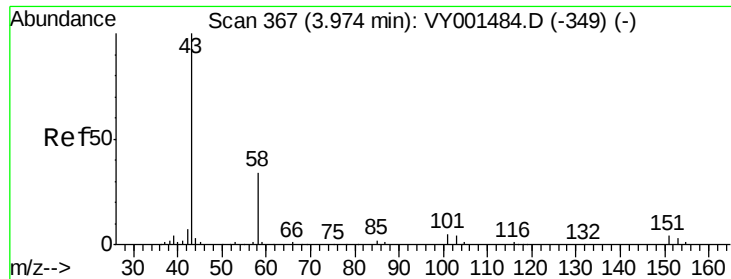


#14

Allyl chloride
 Concen: 1.032 ug/l
 RT: 4.49 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VY001584.D
 Acq: 10 Feb 2020 14:35

Tgt Ion: 41 Resp: 53
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.0 79.6#
 76 0.0 32.6 48.8#

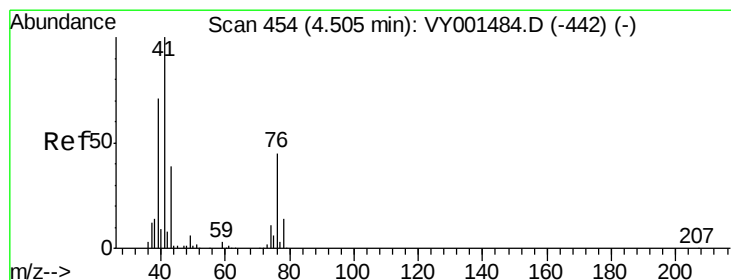
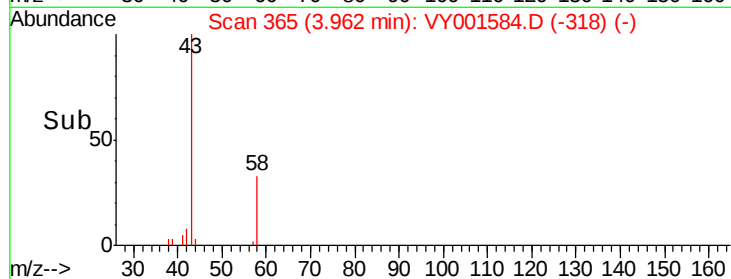
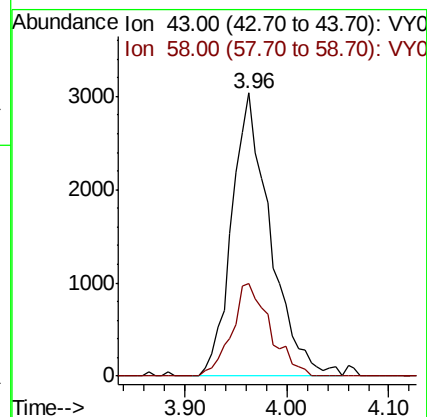
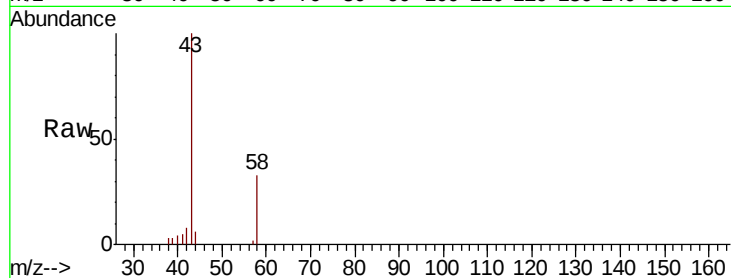




#16
Acetone
Concen: 855.375 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

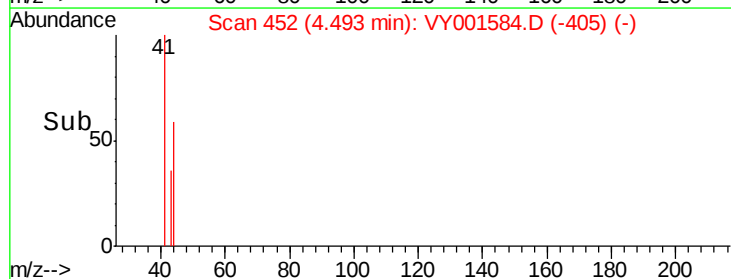
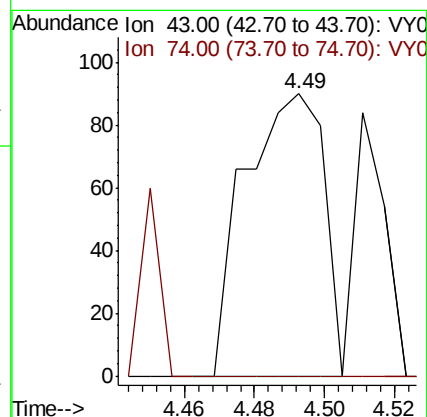
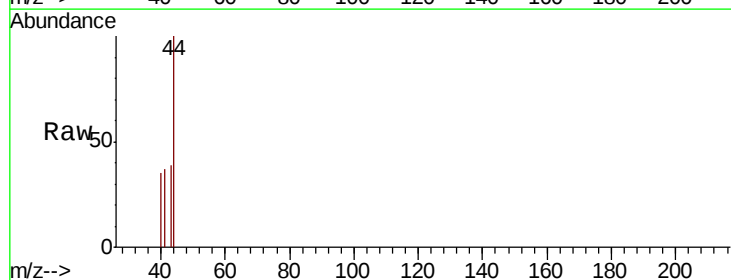
Instrument :
MSVOA_Y
ClientSampleId :

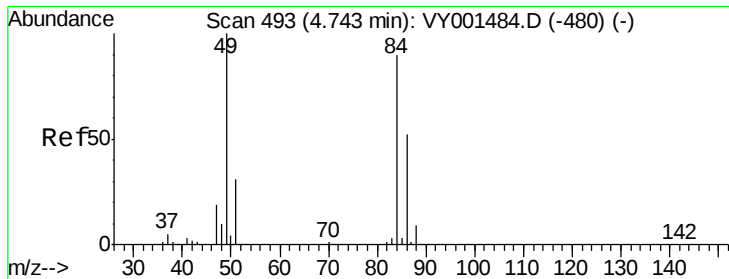
Tot Ion: 43 Resp: 7952
Ion Ratio Lower Upper
43 100
58 32.8 27.5 41.3



#18
Methyl Acetate
Concen: 7.107 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#





#20

Methylene Chloride

Concen: 7.280 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 412

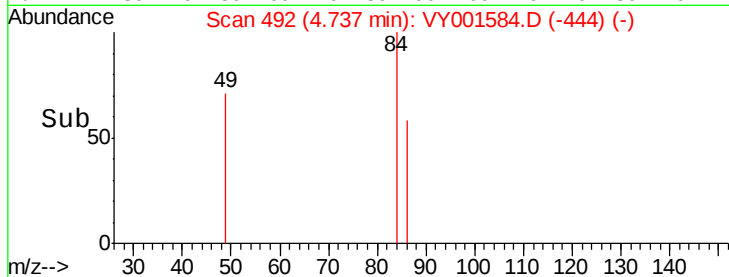
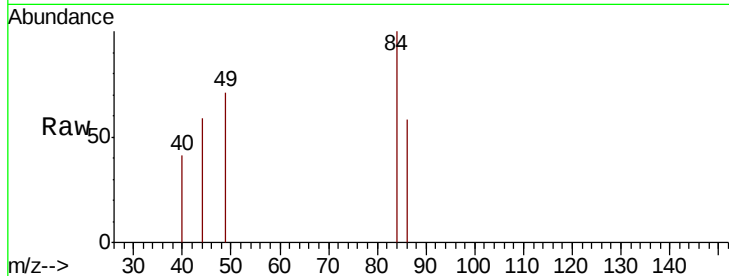
Ion Ratio Lower Upper

84 100

49 71.1 89.0 133.6#

51 0.0 27.4 41.2#

86 57.5 46.6 70.0

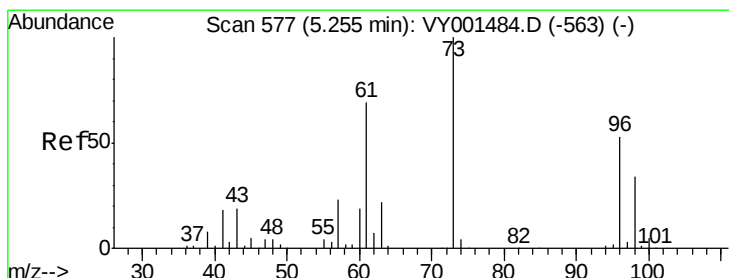
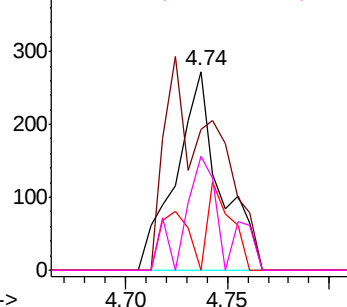


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#21

trans-1,2-Dichloroethene

Concen: 1.153 ug/l

RT: 5.46 min Scan# 610

Delta R.T. 0.20 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

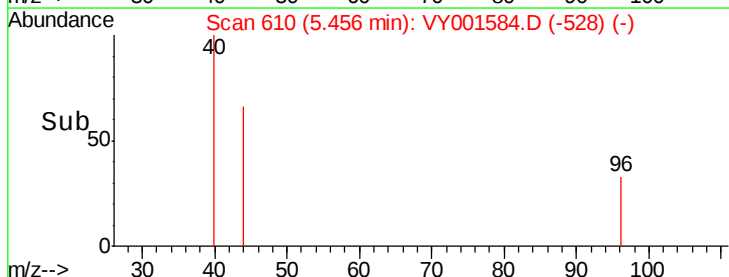
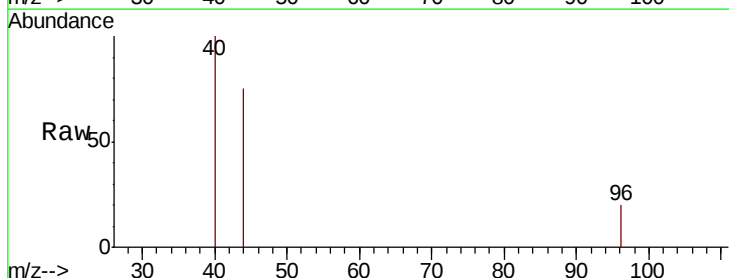
Tgt Ion: 96 Resp: 43

Ion Ratio Lower Upper

96 100

61 0.0 104.2 156.4#

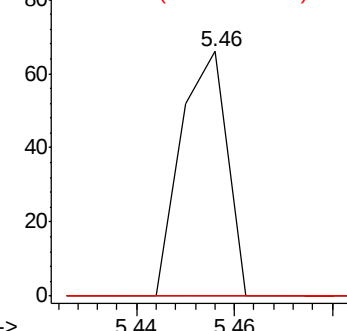
98 0.0 51.4 77.0#

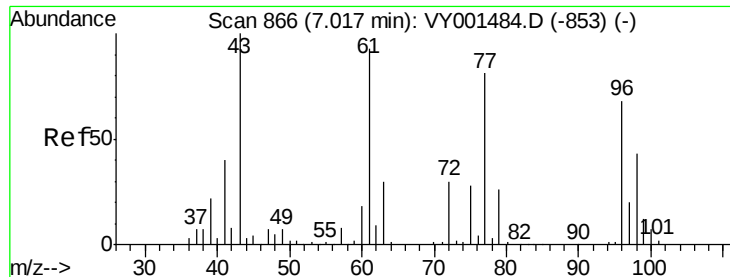


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

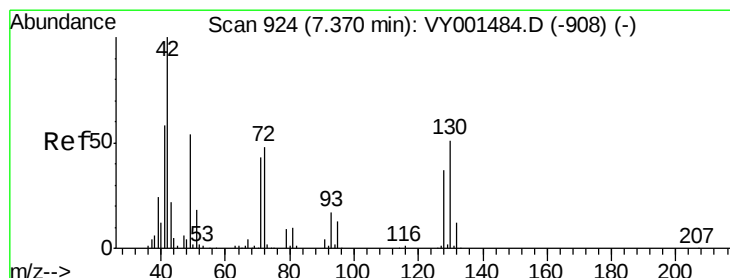
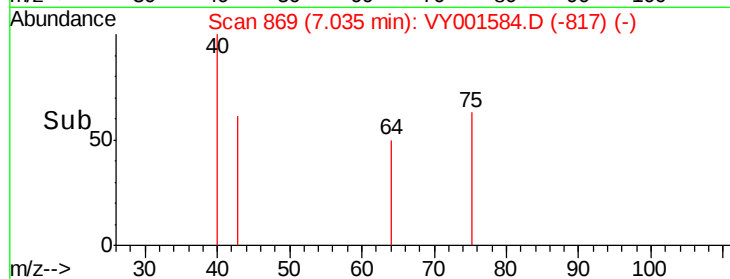
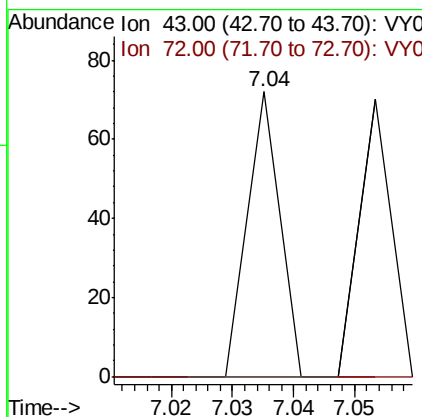
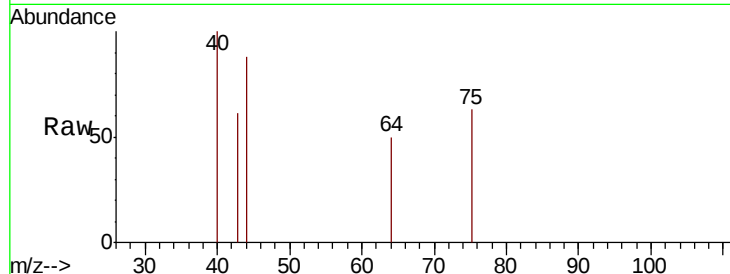




#25
2-Butanone
Concen: 2.156 ug/l
RT: 7.04 min Scan# 869
Delta R.T. 0.02 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

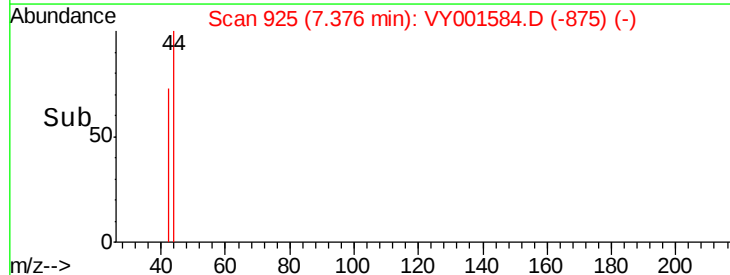
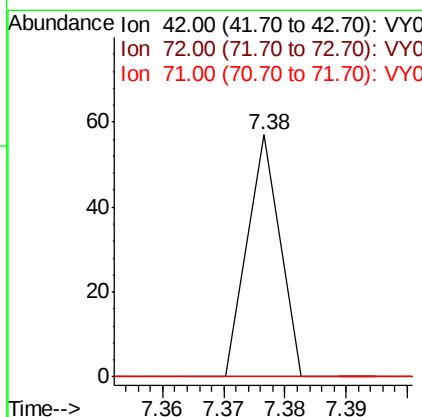
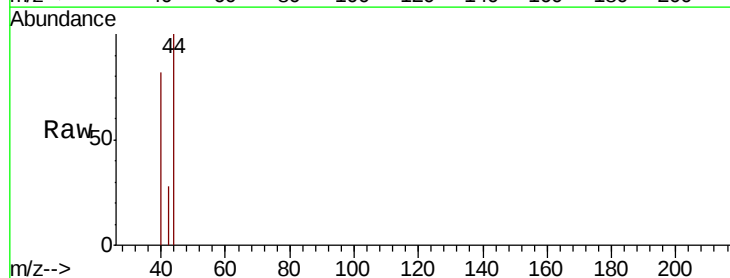
Instrument :
MSVOA_Y
ClientSampled :

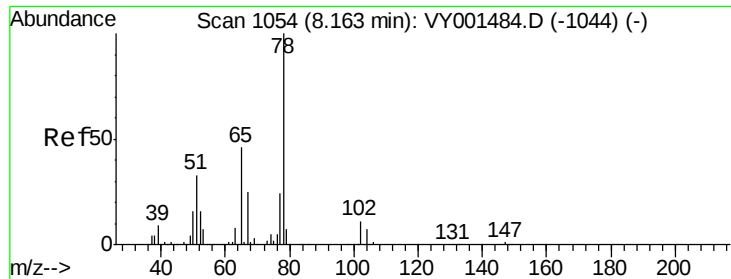
Tot Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.8#



#29
Tetrahydrofuran
Concen: 2.905 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion: 42 Resp: 21
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 34.8 52.2#





#33

1,2-Dichloroethane-d4

Concen: 87.900 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Instrument :

MSVOA_Y

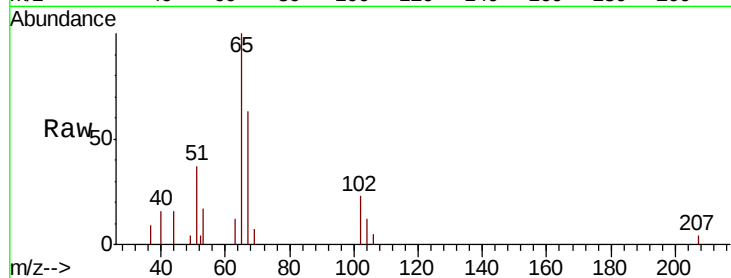
ClientSampled :

Tot Ion: 65 Resp: 2825

Ion Ratio Lower Upper

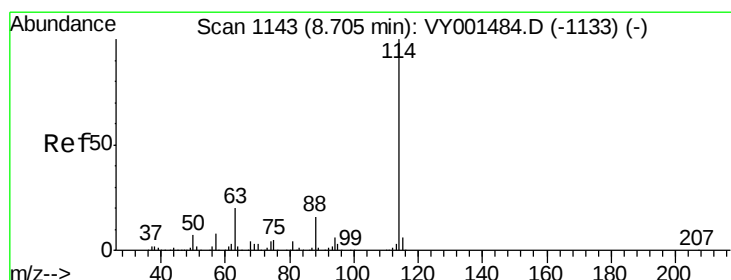
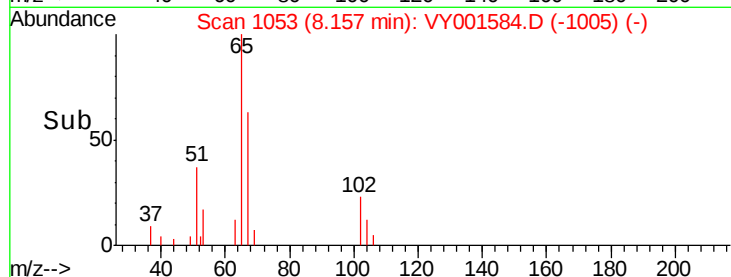
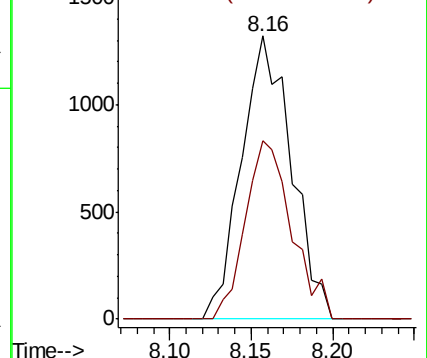
65 100

67 58.5 0.0 108.6



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# 1143

Delta R.T. 0.00 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

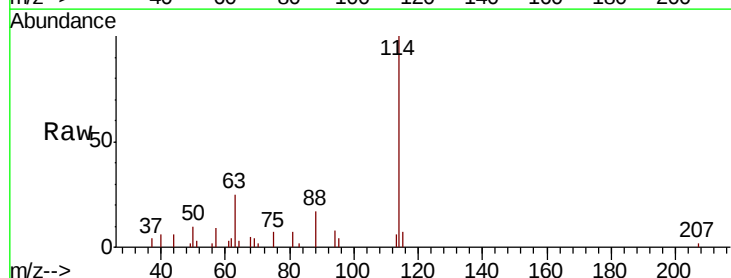
Tgt Ion: 114 Resp: 6529

Ion Ratio Lower Upper

114 100

63 24.5 0.0 39.8

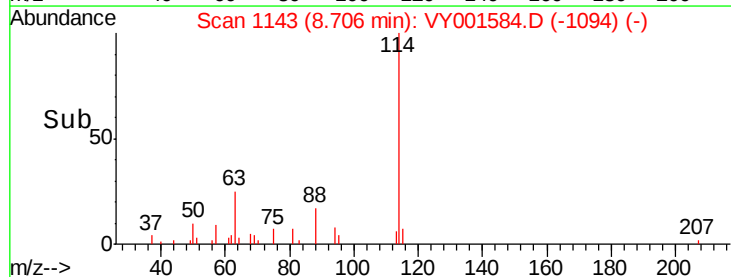
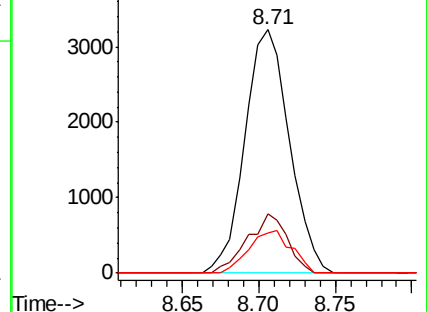
88 16.5 0.0 32.6

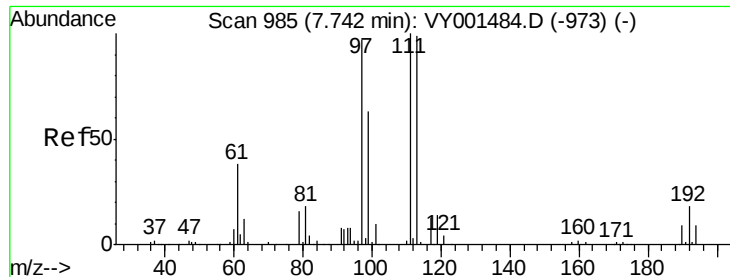


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

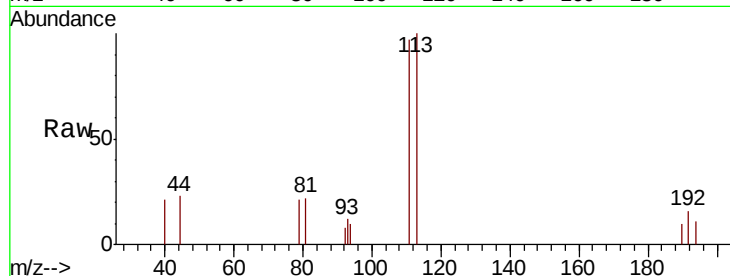




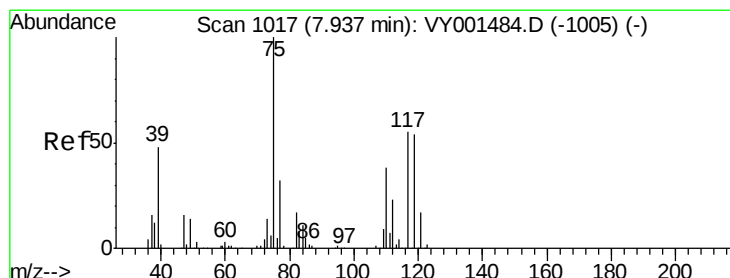
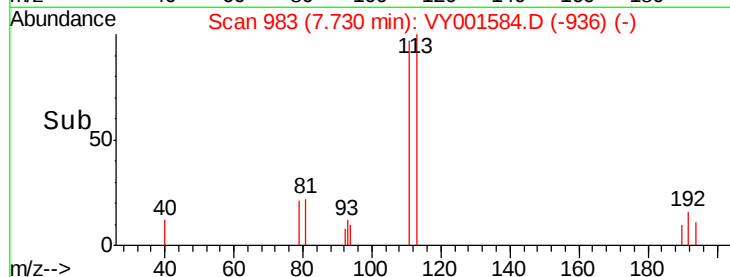
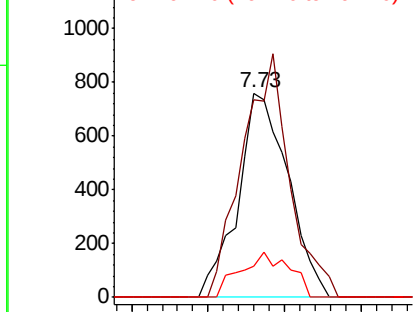
#35
 Dibromofluoromethane
 Concen: 46.163 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY001584.D
 Acq: 10 Feb 2020 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 1738
 Ion Ratio Lower Upper
 113 100
 111 112.0 82.9 124.3
 192 21.3 14.6 22.0

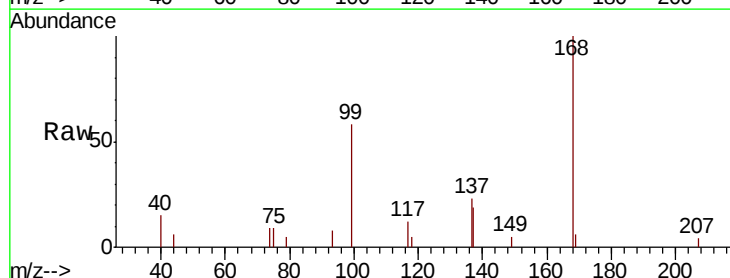


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

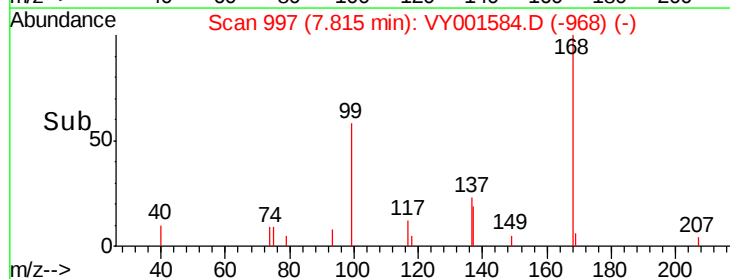
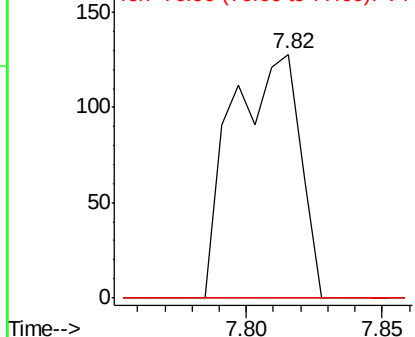


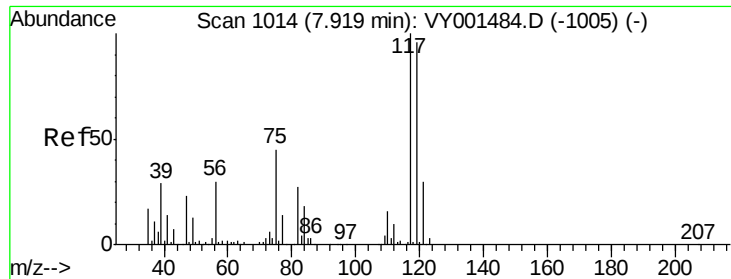
#36
 1,1-Dichloropropene
 Concen: 3.700 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001584.D
 Acq: 10 Feb 2020 14:35

Tgt Ion: 75 Resp: 221
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.2 54.6#
 77 0.0 25.0 37.4#



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: 4.863 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Instrument :

MSVOA_Y

ClientSampleId :

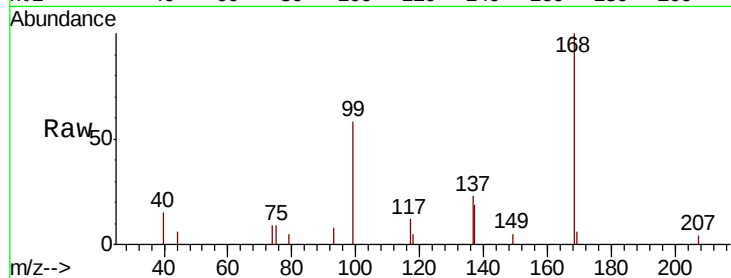
Tot Ion:117 Resp: 281

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

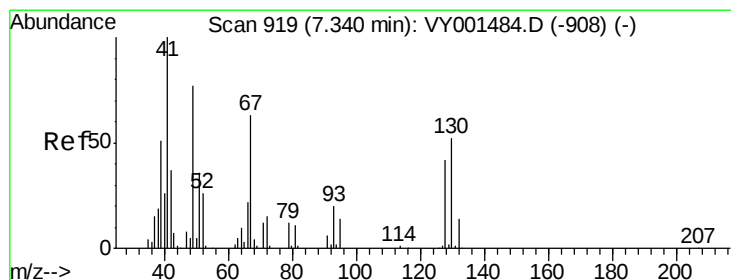
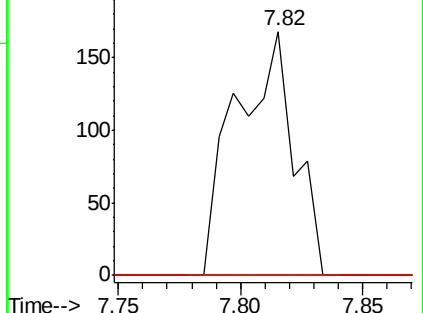
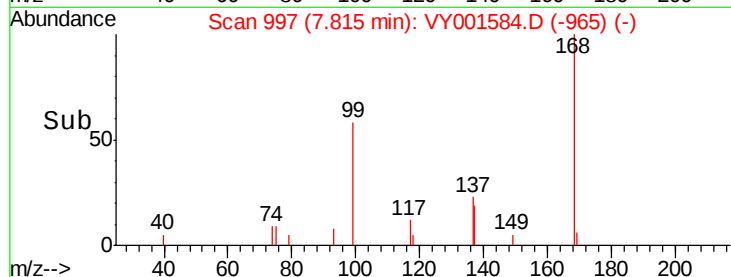
121 0.0 24.2 36.4#



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



#41

Methacrylonitrile

Concen: 3.358 ug/l

RT: 7.60 min Scan# 961

Delta R.T. 0.26 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Tgt Ion: 41 Resp: 45

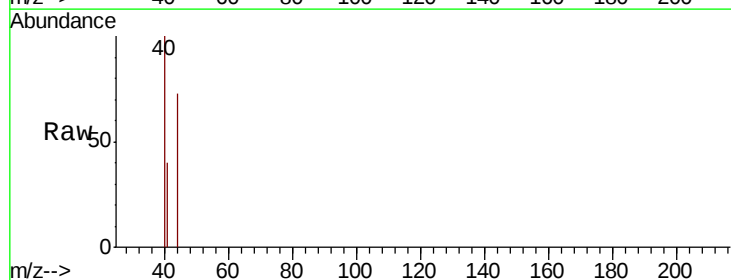
Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

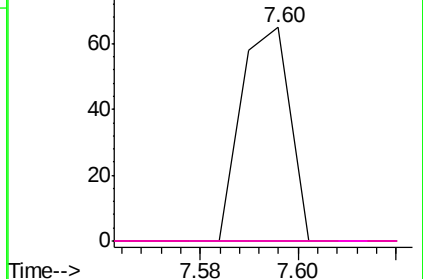
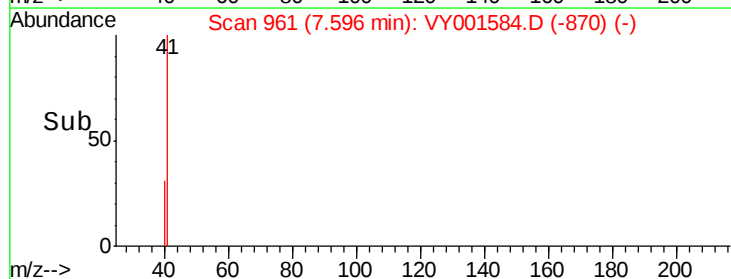


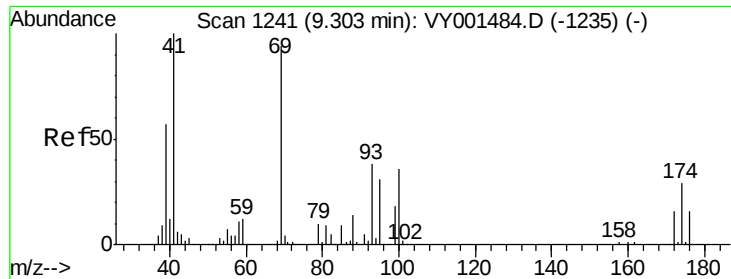
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

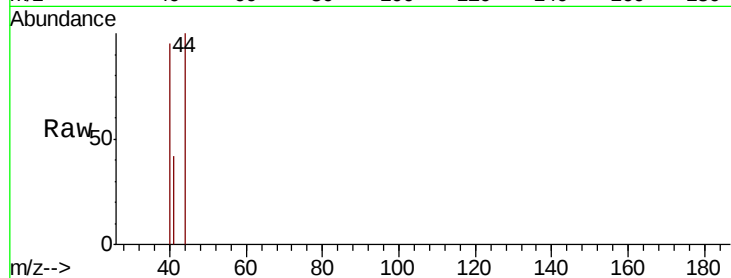




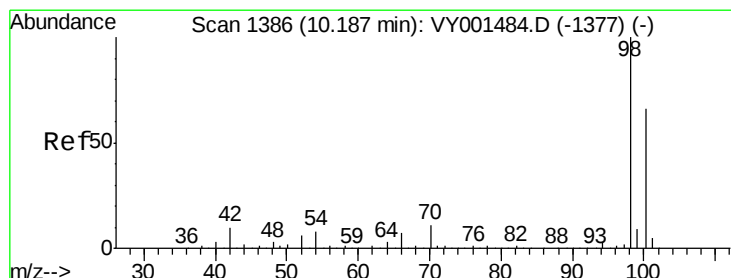
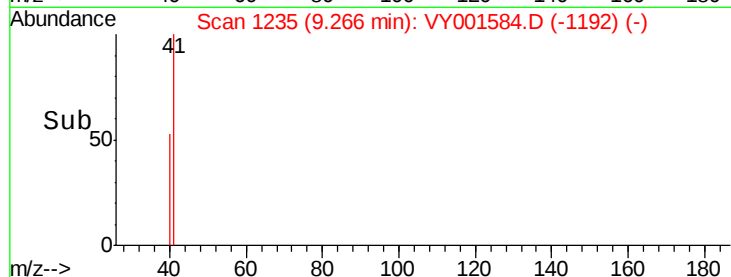
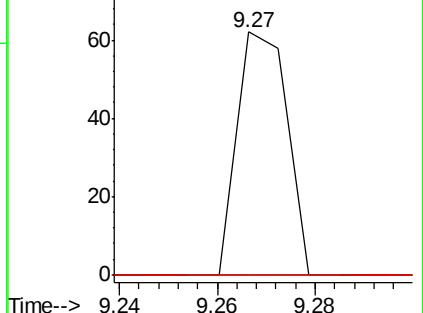
#48
Methvl methacrvlate
Concen: 1.693 ug/l
RT: 9.27 min Scan# 1235
Delta R.T. -0.04 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 44
Ion Ratio Lower Upper
41 100
69 0.0 76.6 114.8#
39 0.0 45.4 68.0#

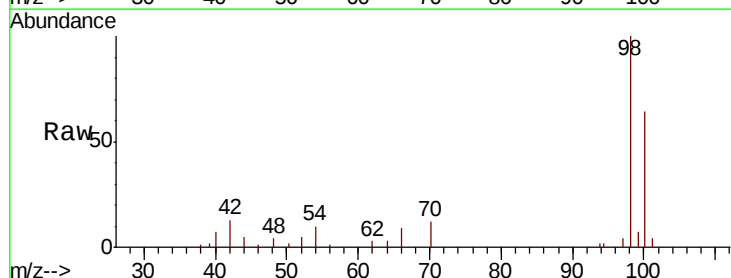


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

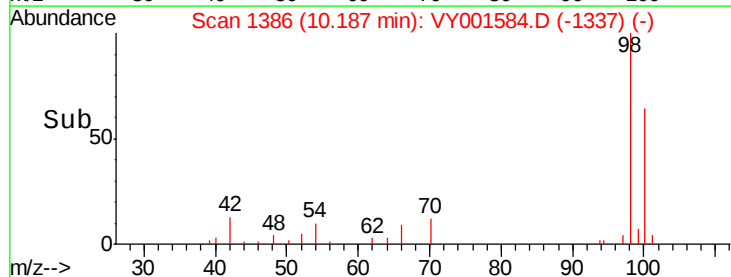
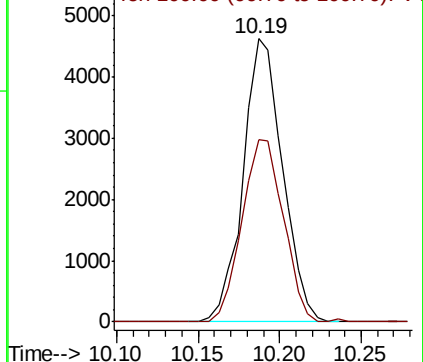


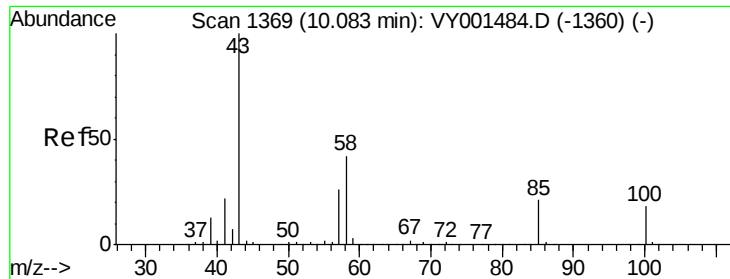
#50
Toluene-d8
Concen: 54.850 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion: 98 Resp: 7813
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.6



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

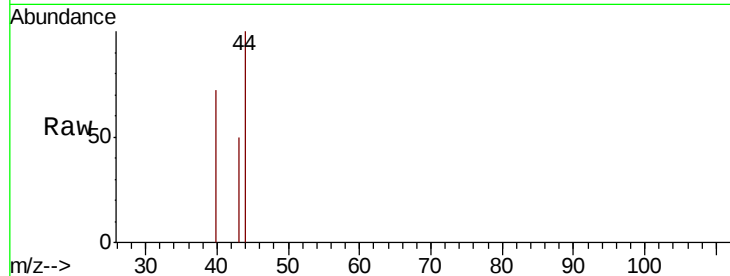




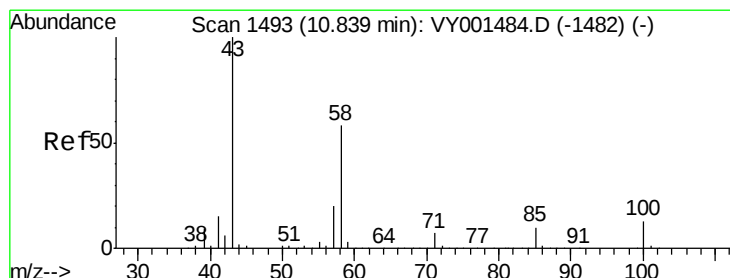
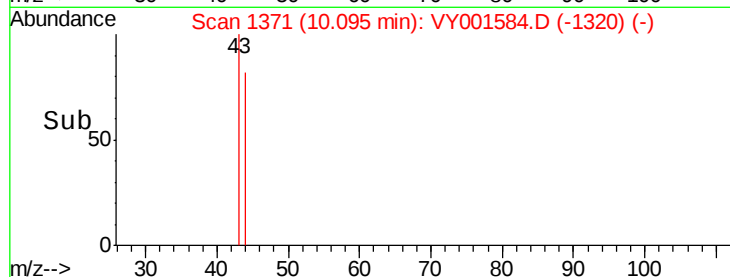
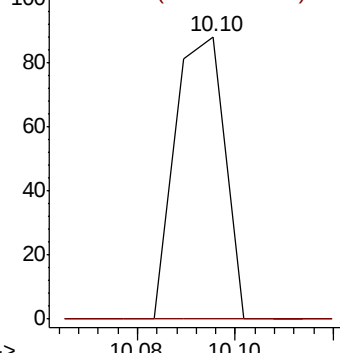
#51
4-Methyl-2-Pentanone
Concen: 2.199 ug/l
RT: 10.10 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

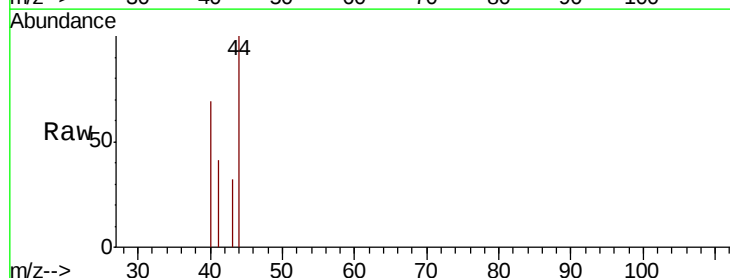


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

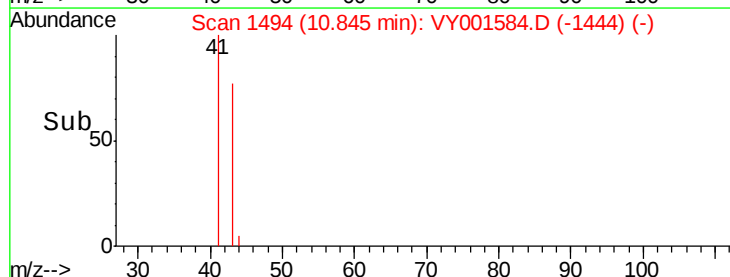
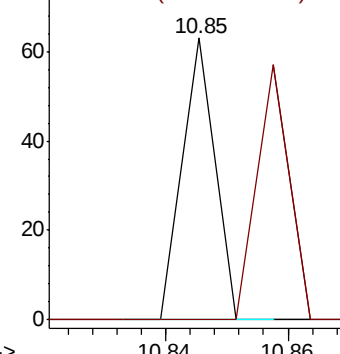


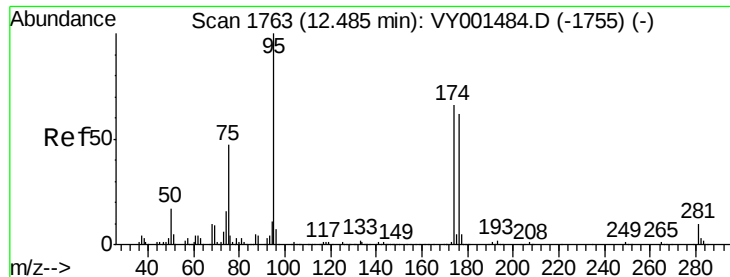
#59
2-Hexanone
Concen: 1.122 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
58 91.3 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

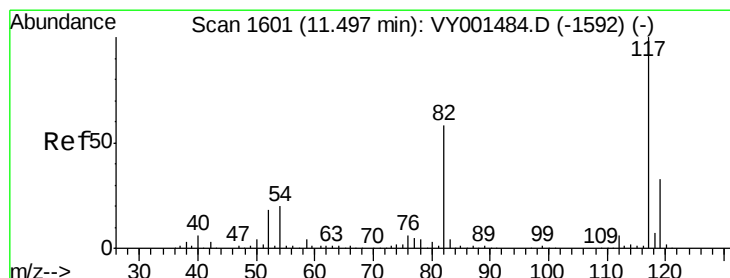
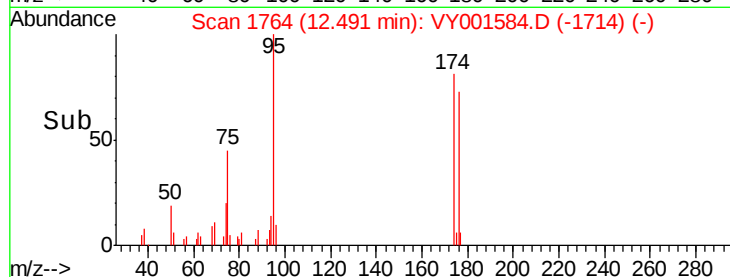
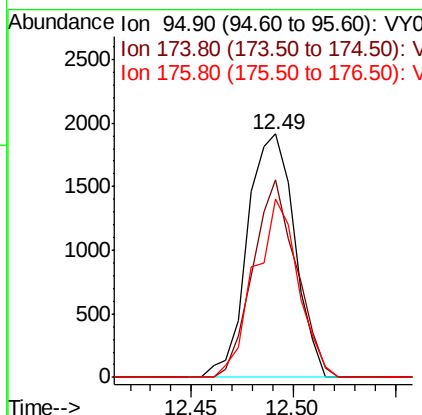
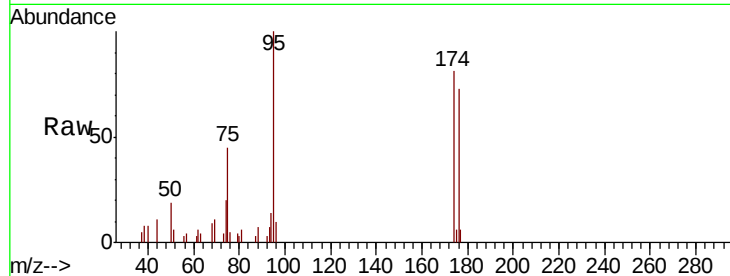




#62
4-Bromofluorobenzene
Concen: 54.495 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

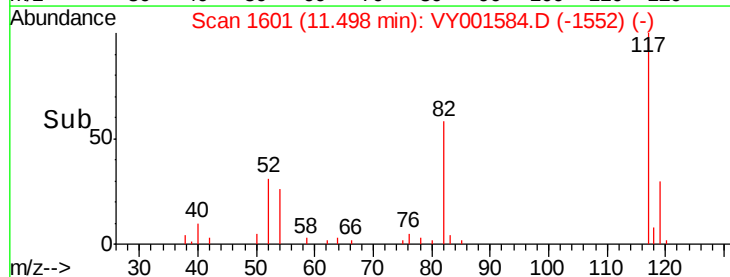
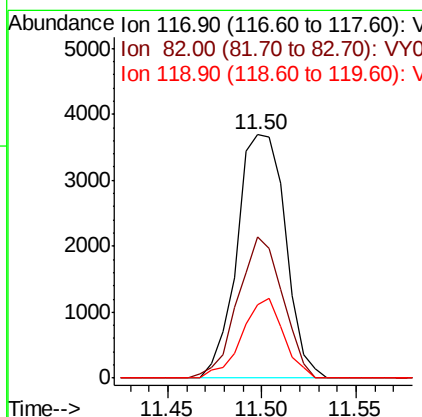
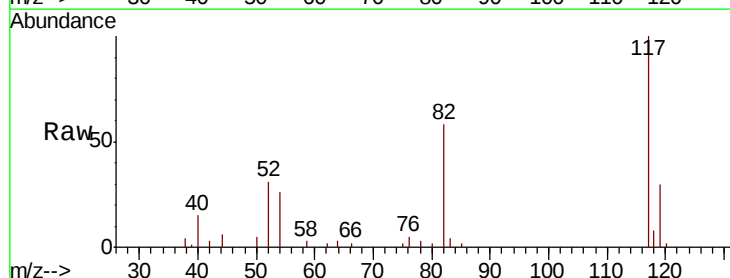
Instrument :
MSVOA_Y
ClientSampled :

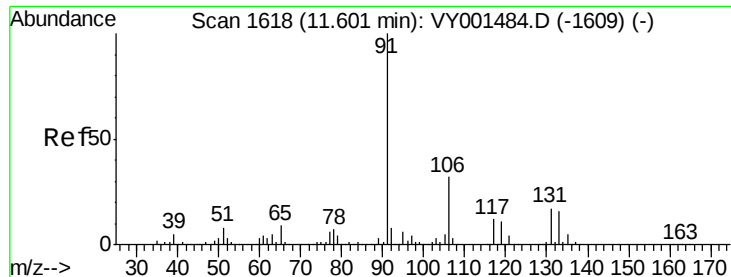
Tot Ion: 95 Resp: 3058
Ion Ratio Lower Upper
95 100
174 75.7 0.0 141.4
176 68.4 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion: 117 Resp: 6557
Ion Ratio Lower Upper
117 100
82 57.8 46.1 69.1
119 30.3 26.1 39.1

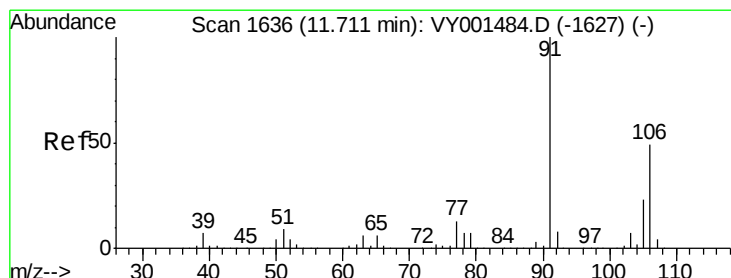
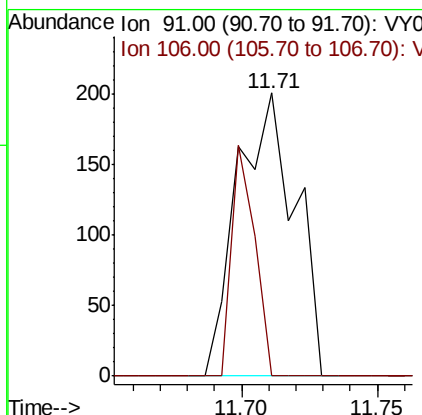
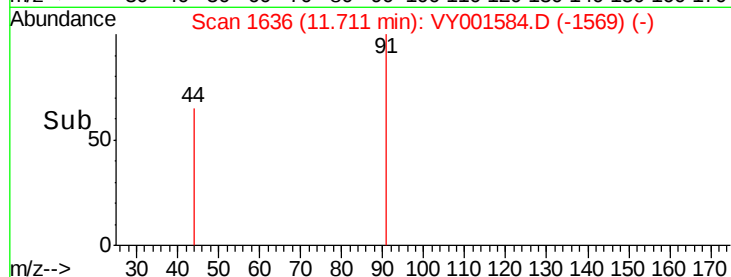
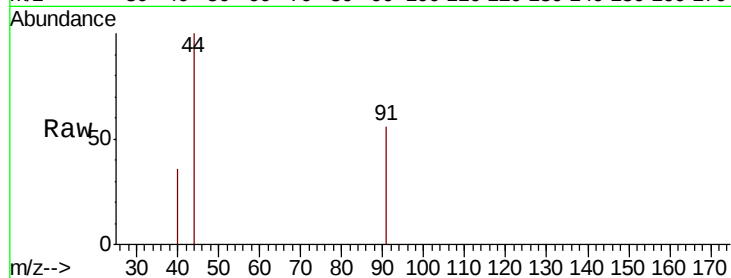




#67
Ethyl Benzene
Concen: 1.243 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.11 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

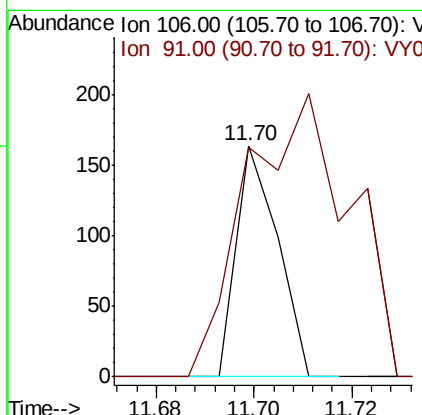
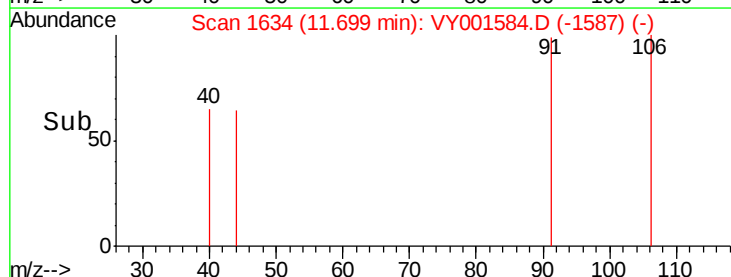
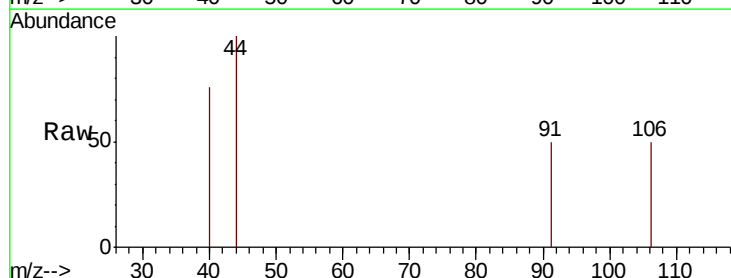
Instrument :
MSVOA_Y
ClientSampled :

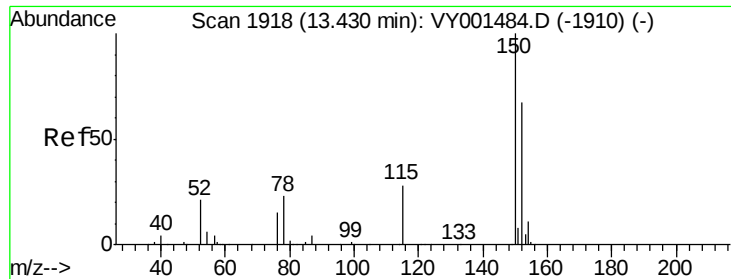
Tot Ion: 91 Resp: 296
Ion Ratio Lower Upper
91 100
106 0.0 25.3 37.9#



#68
m/p-Xylenes
Concen: 1.074 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion: 106 Resp: 96
Ion Ratio Lower Upper
106 100
91 308.3 163.6 245.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001584.D

Acq: 10 Feb 2020 14:35

Instrument :

MSVOA_Y

ClientSampleId :

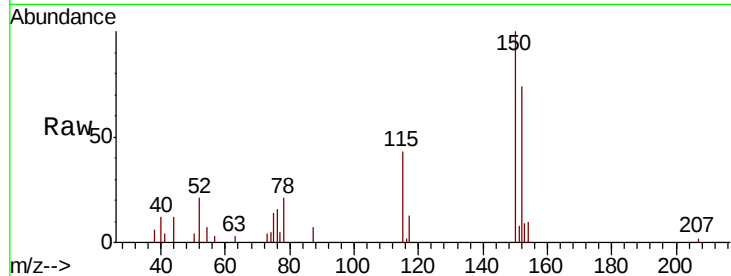
Tot Ion:152 Resp: 2842

Ion Ratio Lower Upper

152 100

115 61.2 31.4 94.3

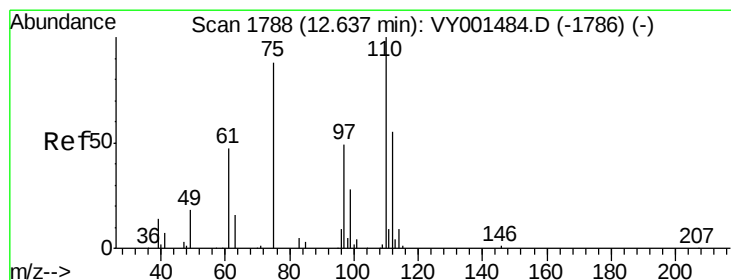
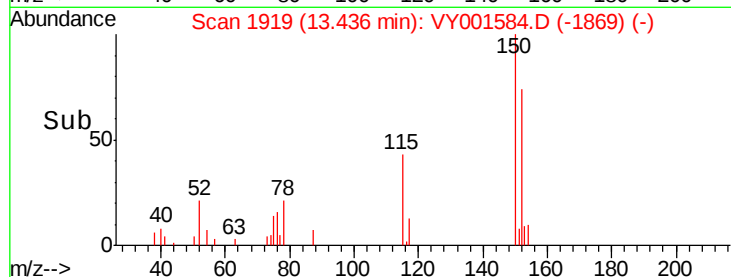
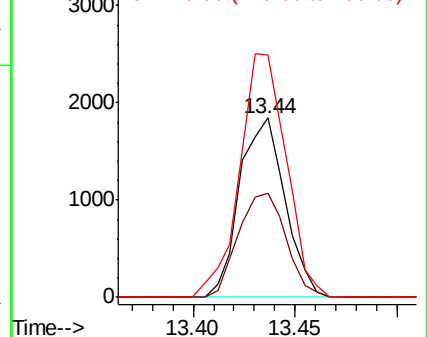
150 139.4 0.0 346.8



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: 50.977 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001584.D

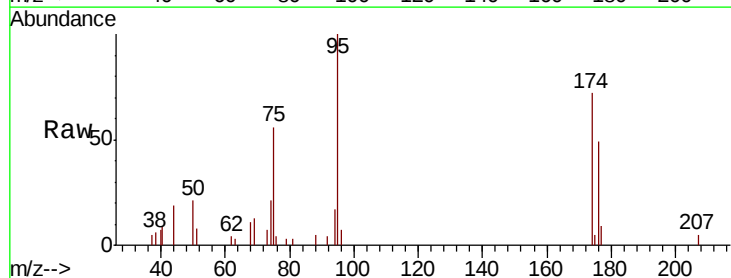
Acq: 10 Feb 2020 14:35

Tgt Ion: 75 Resp: 1558

Ion Ratio Lower Upper

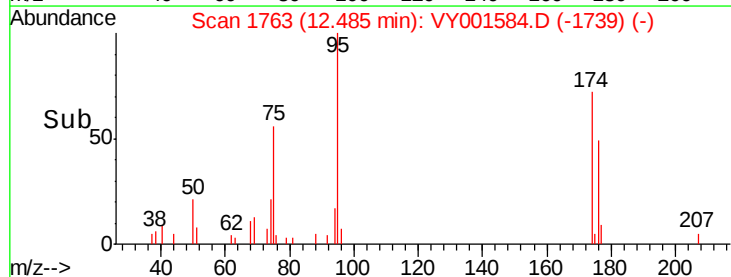
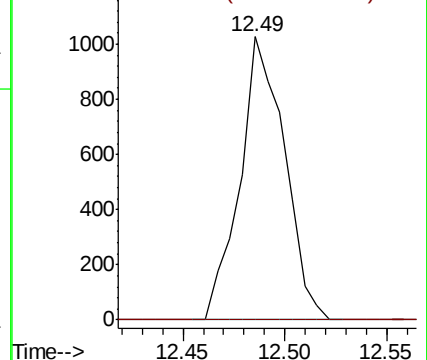
75 100

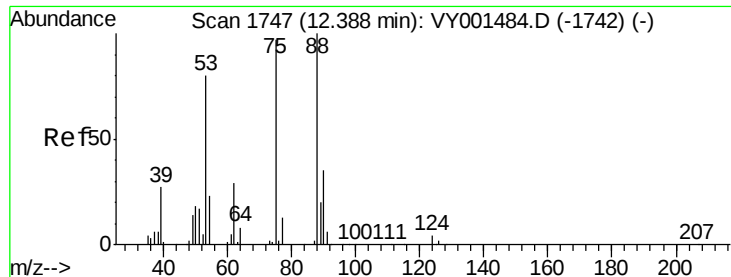
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

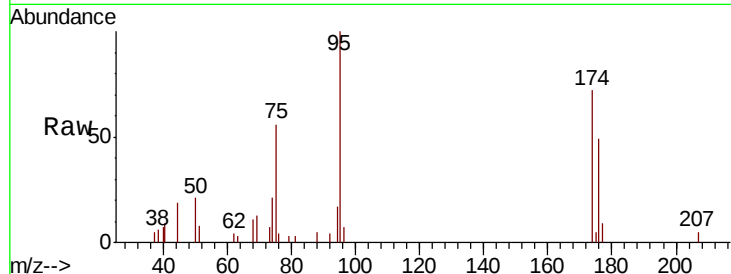




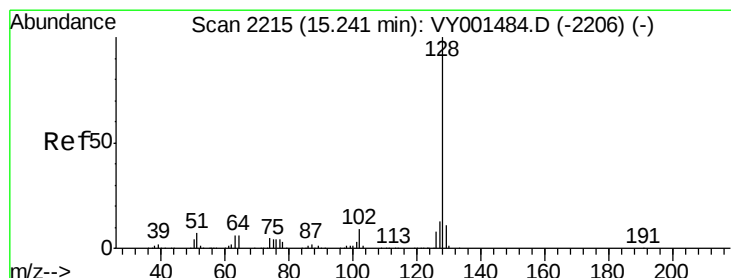
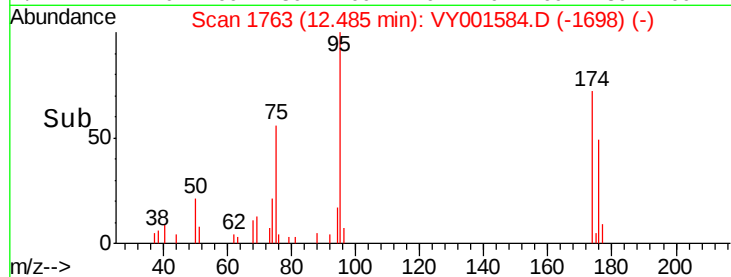
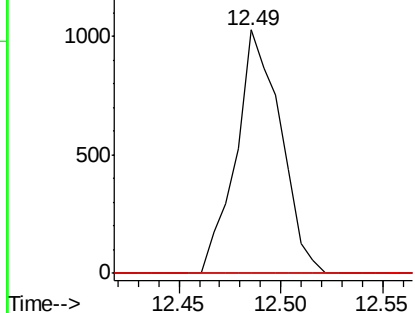
#81
trans-1,4-Dichloro-2-butene
Concen: 98.638 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 1558
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 34.6 52.0#

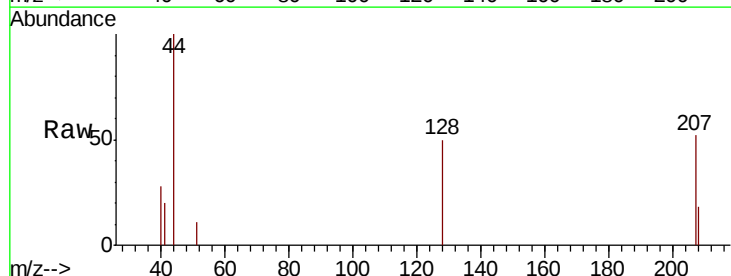


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#95
Naphthalene
Concen: 3.751 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001584.D
Acq: 10 Feb 2020 14:35

Tgt Ion:128 Resp: 484
Ion Ratio Lower Upper
128 100
127 6.0 10.1 15.1#
129 0.0 8.9 13.3#



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

