

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112619\
 Data File : VY000794.D
 Acq On : 26 Nov 2019 11:23
 Operator : SY/MD
 Sample : VY1126SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1126SBL01

Quant Time: Nov 26 12:31:33 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	281477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	513184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	449878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	198792	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	167293	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
35) Dibromofluoromethane	7.73	113	153203	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	10.18	98	607885	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.48	95	203833	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

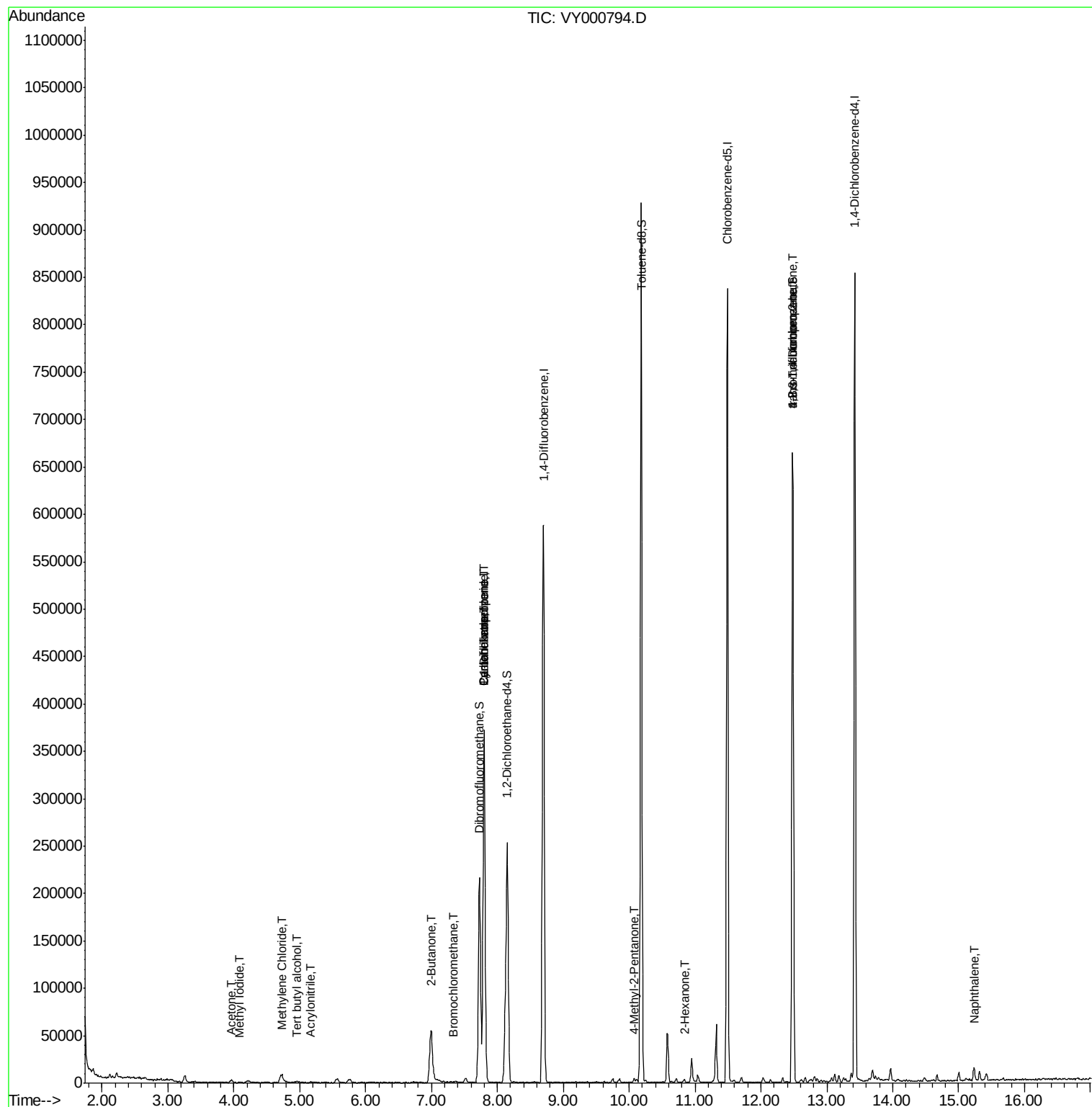
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	232	3.256	ug/l #	1
11) Tert butyl alcohol	4.96	59	744	2.624	ug/l #	92
15) Acrylonitrile	5.17	53	956	1.097	ug/l	93
16) Acetone	3.96	43	4197	5.228	ug/l	95
20) Methylene Chloride	4.74	84	6056	1.760	ug/l	89
25) 2-Butanone	6.99	43	4341	3.388	ug/l #	72
28) Bromochloromethane	7.34	49	91	4.127	ug/l #	40
31) Cyclohexane	7.80	56	6259	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	23618	4.868	ug/l #	48
38) Carbon Tetrachloride	7.80	117	28019	6.002	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	2920	1.015	ug/l	100
59) 2-Hexanone	10.84	43	2510	1.198	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	106153	46.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	106153	105.150	ug/l #	13
95) Naphthalene	15.23	128	10065	1.125	ug/l	98

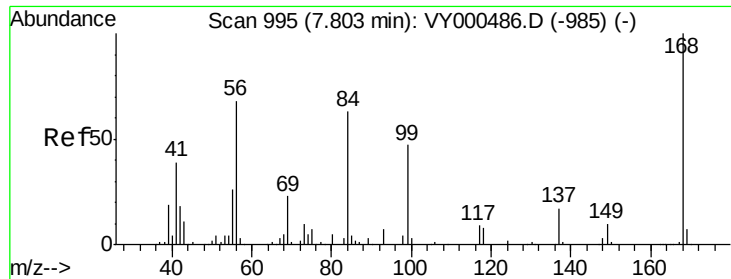
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000794.D

Acq: 26 Nov 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

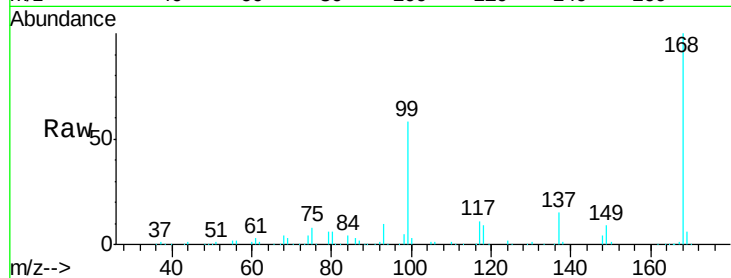
VY1126SBL01

Tgt Ion:168 Resp: 281477

Ion Ratio Lower Upper

168 100

99 57.8 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

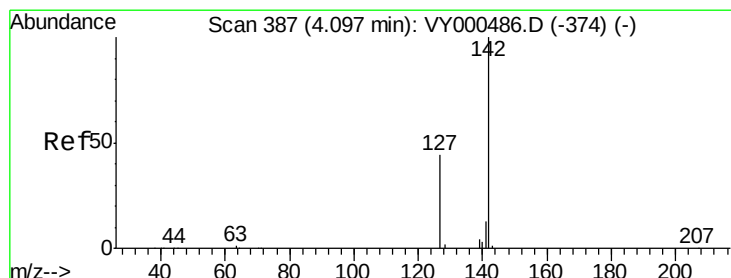
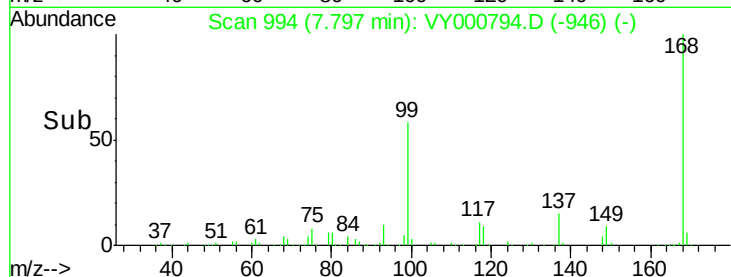
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Time-->

7.70

7.80

7.90



#10

Methyl Iodide

Concen: 3.256 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

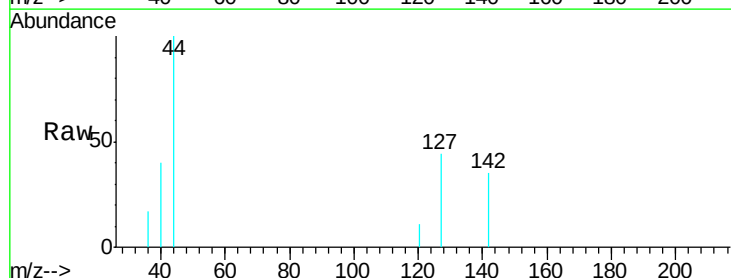
Tgt Ion:142 Resp: 232

Ion Ratio Lower Upper

142 100

127 126.3 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

250

200

150

100

50

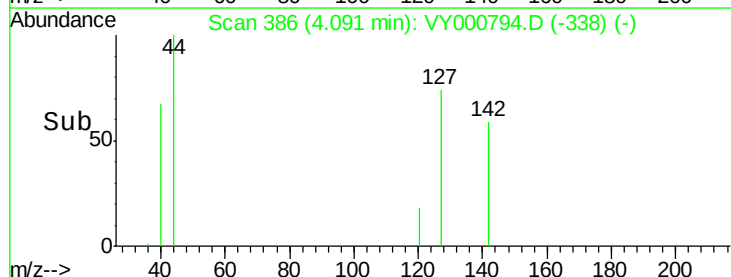
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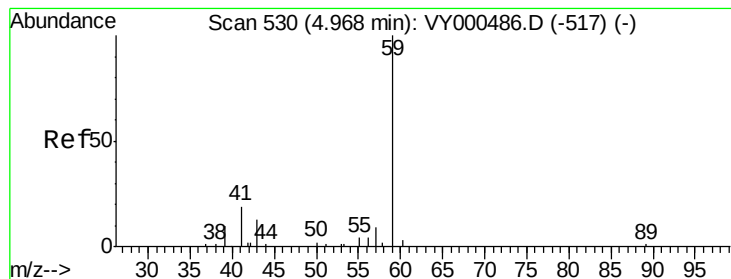
Time-->

4.06

4.08

4.10





#11

Tert butyl alcohol

Concen: 2.624 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

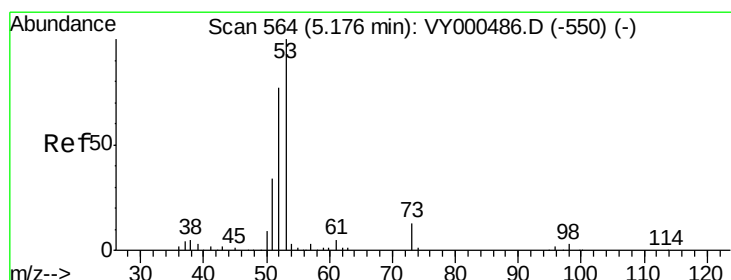
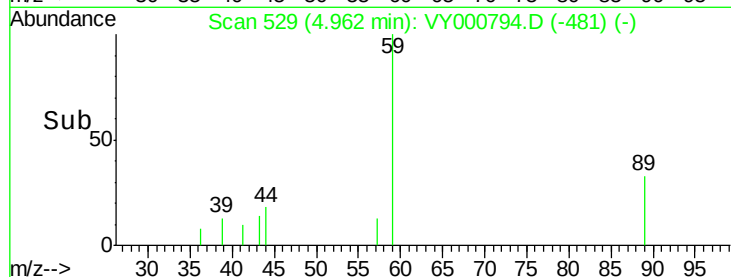
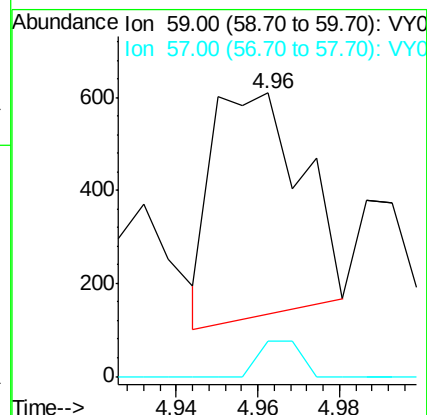
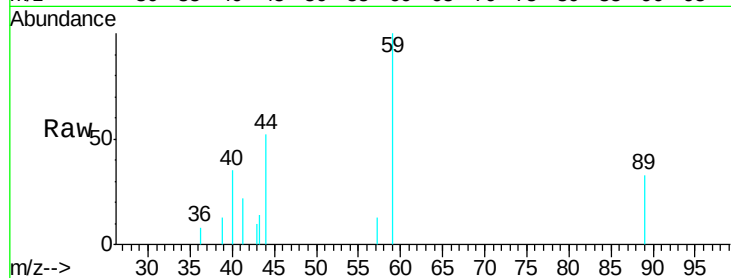
VY1126SBL01

Tgt Ion: 59 Resp: 744

Ion Ratio Lower Upper

59 100

57 7.5 8.6 12.8#



#15

Acrylonitrile

Concen: 1.097 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

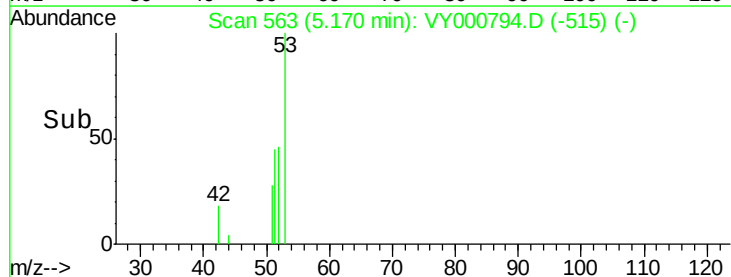
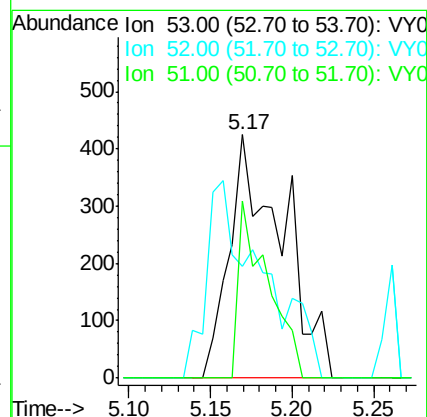
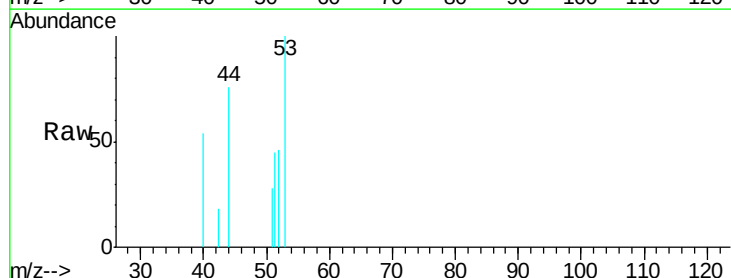
Tgt Ion: 53 Resp: 956

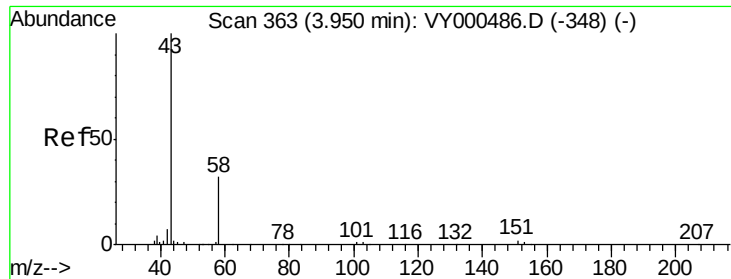
Ion Ratio Lower Upper

53 100

52 86.7 64.9 97.3

51 40.4 27.6 41.4





#16

Acetone

Concen: 5.228 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

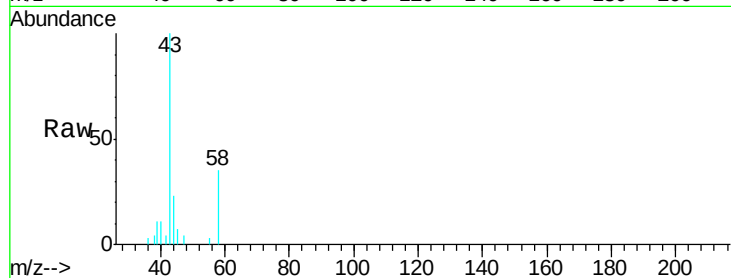
VY1126SBL01

Tgt Ion: 43 Resp: 4197

Ion Ratio Lower Upper

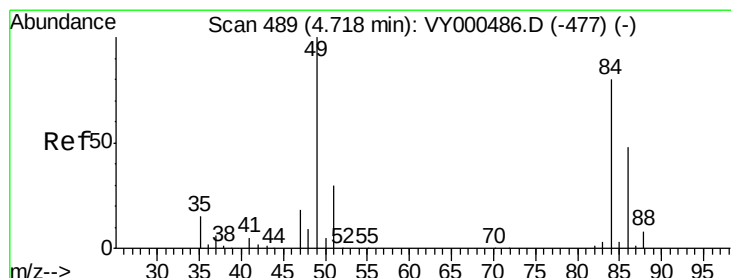
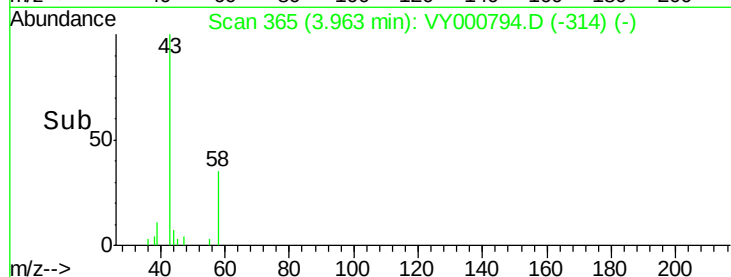
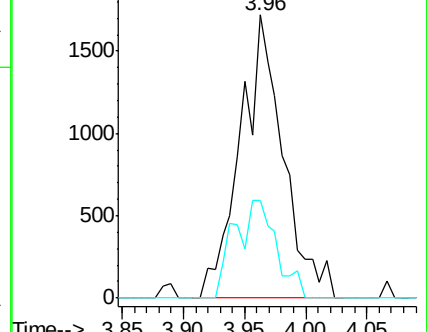
43 100

58 34.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-348) (-)



#20

Methylene Chloride

Concen: 1.760 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.02 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

Tgt Ion: 84 Resp: 6056

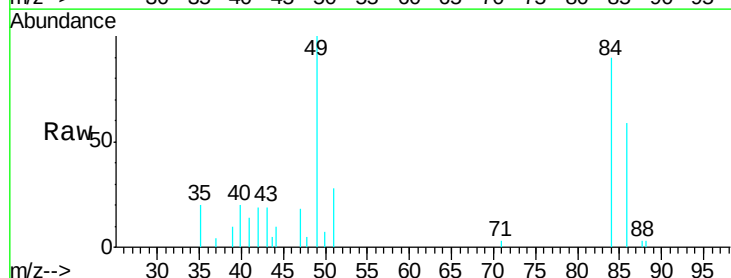
Ion Ratio Lower Upper

84 100

49 111.4 100.2 150.4

51 30.8 29.6 44.4

86 66.0 48.3 72.5

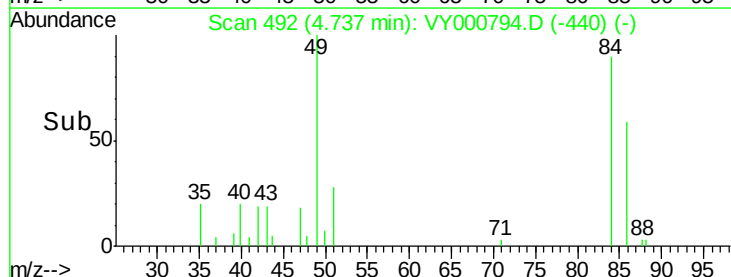
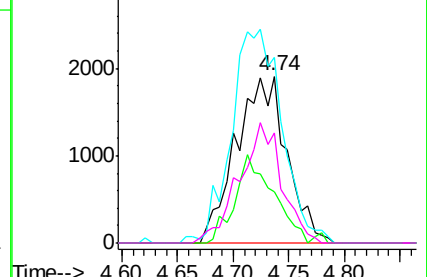


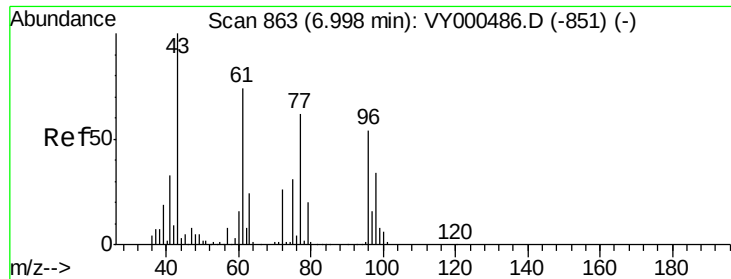
Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)

Ion 48.90 (48.60 to 49.60): VY000486.D (-477) (-)

Ion 50.90 (50.60 to 51.60): VY000486.D (-477) (-)

Ion 85.90 (85.60 to 86.60): VY000486.D (-477) (-)





#25

2-Butanone

Concen: 3.388 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

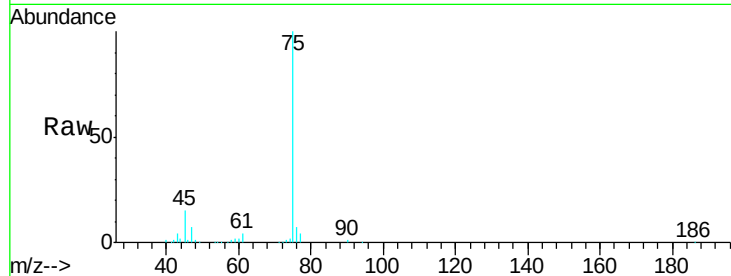
VY1126SBL01

Tgt Ion: 43 Resp: 4341

Ion Ratio Lower Upper

43 100

72 12.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

1500

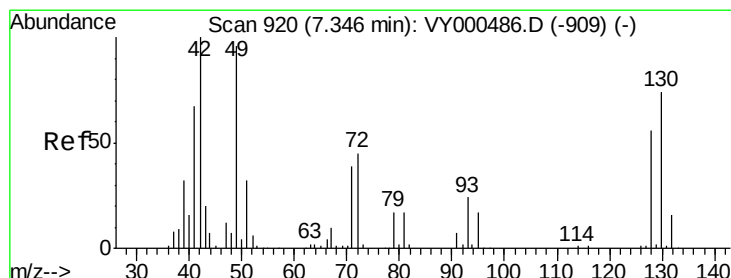
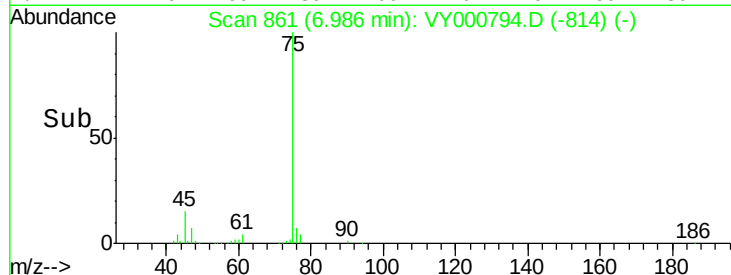
1000

500

0

6.90 6.95 7.00 7.05

Time-->



#28

Bromochloromethane

Concen: 4.127 ug/l

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

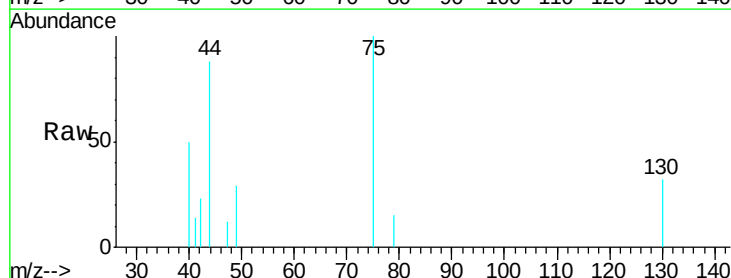
Tgt Ion: 49 Resp: 91

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 126.4 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

200

150

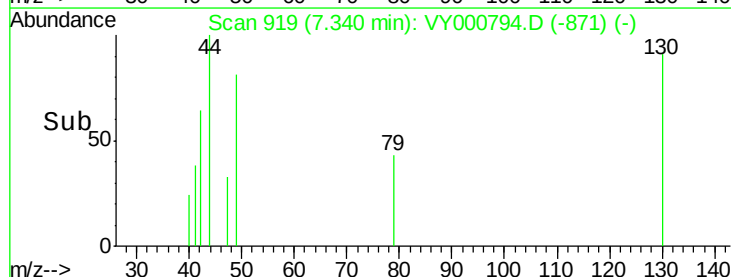
100

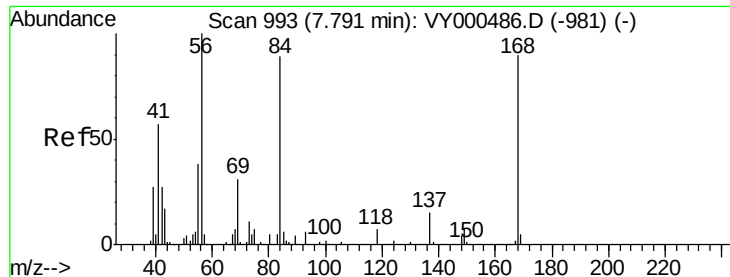
50

0

7.32 7.33 7.34 7.35 7.36

Time-->

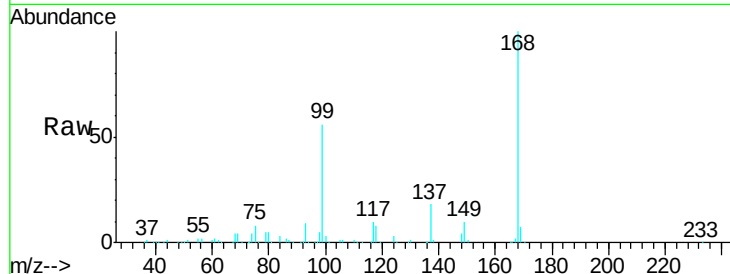




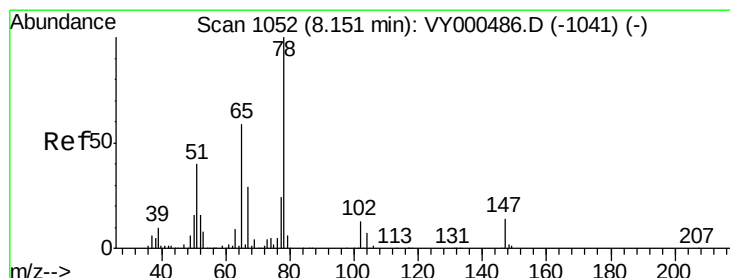
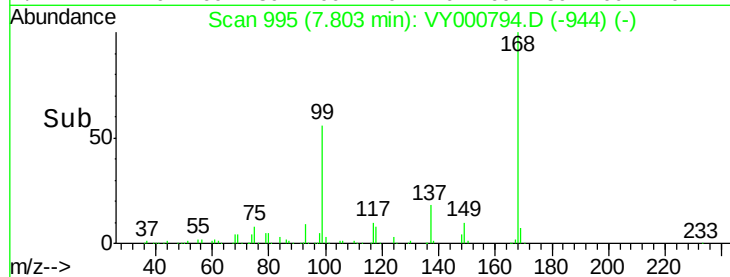
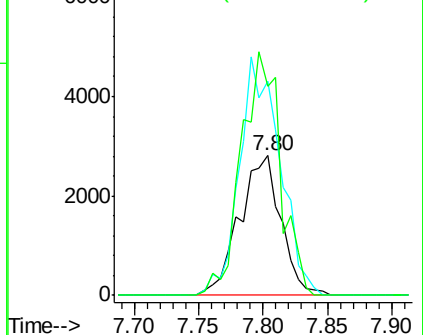
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY1126SBL01

Tgt Ion: 56 Resp: 6259
Ion Ratio Lower Upper
56 100
69 153.4 25.0 37.6#
84 149.8 71.4 107.2#

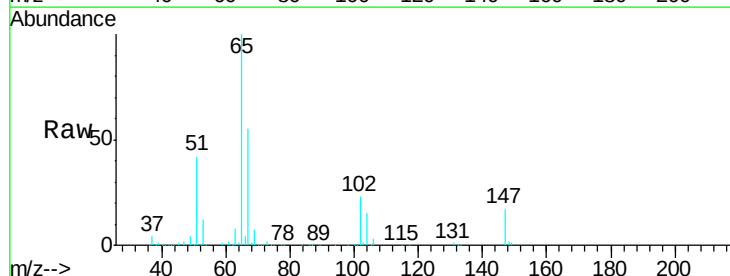


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

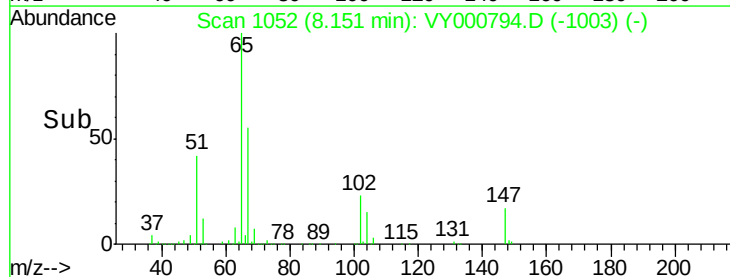
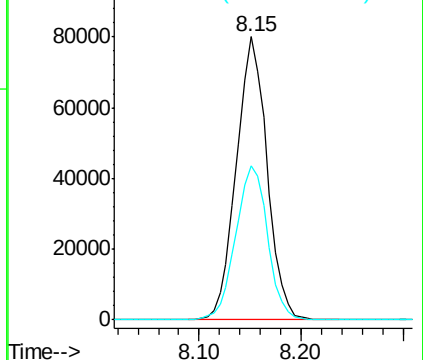


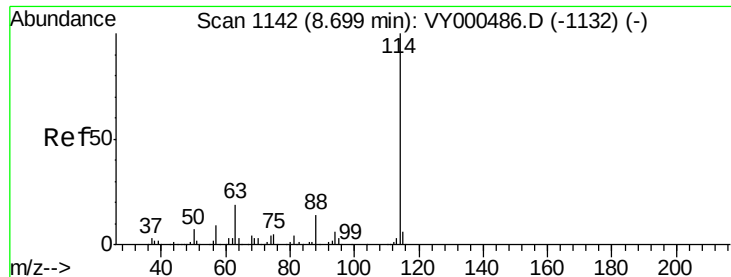
#33
1,2-Dichloroethane-d4
Concen: 57.431 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

Tgt Ion: 65 Resp: 167293
Ion Ratio Lower Upper
65 100
67 56.5 0.0 107.2



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

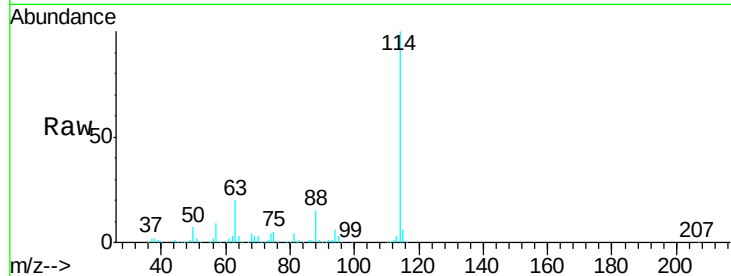




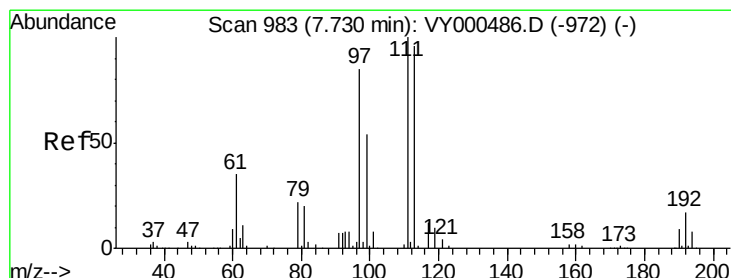
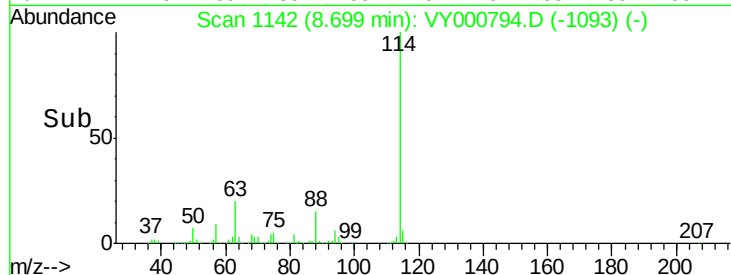
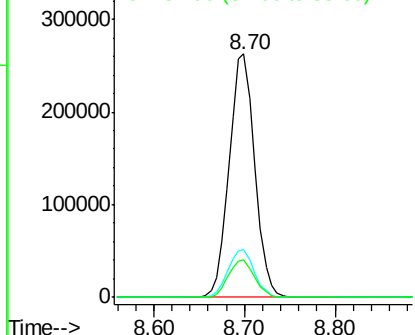
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000794.D
 Acq: 26 Nov 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1126SBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.0
88	15.3	0.0	28.6

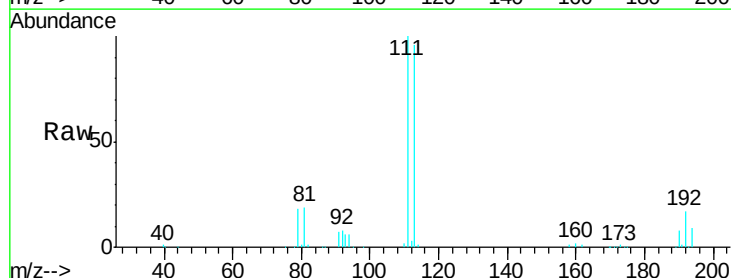


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

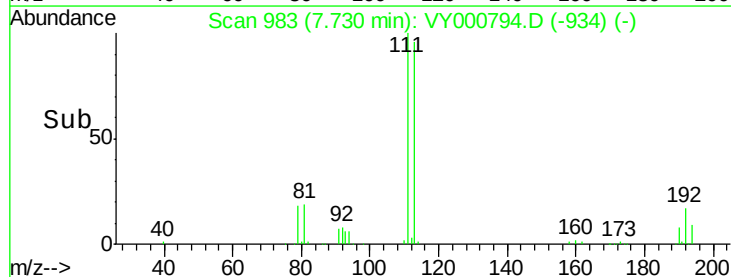
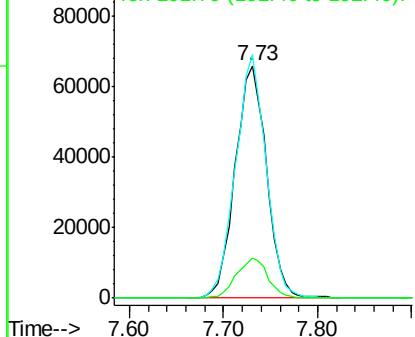


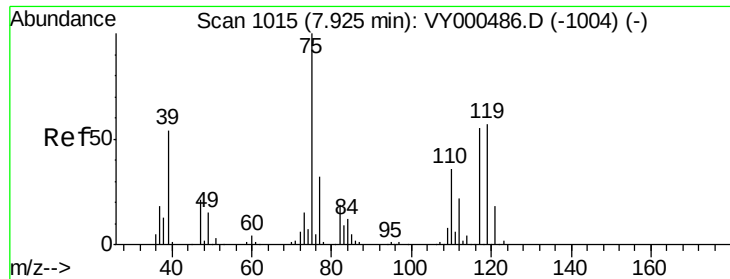
#35
 Dibromofluoromethane
 Concen: 50.852 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000794.D
 Acq: 26 Nov 2019 11:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.7	122.5
192	17.2	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

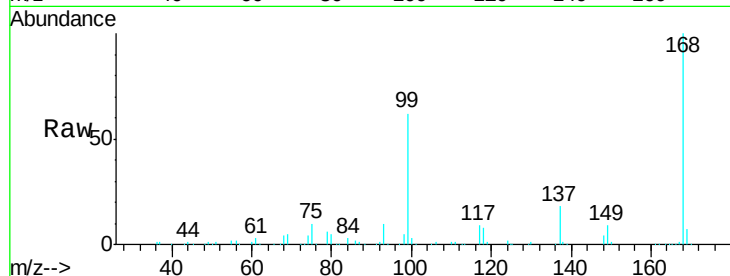




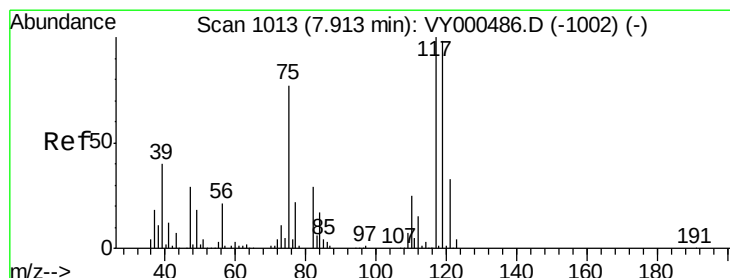
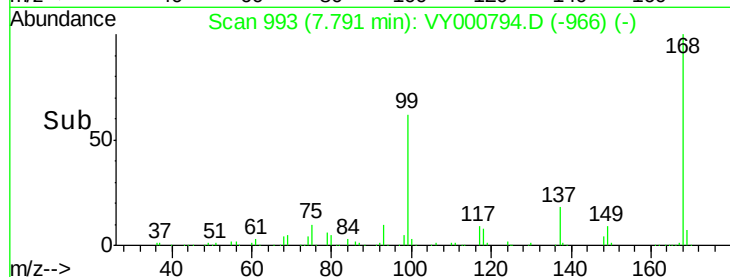
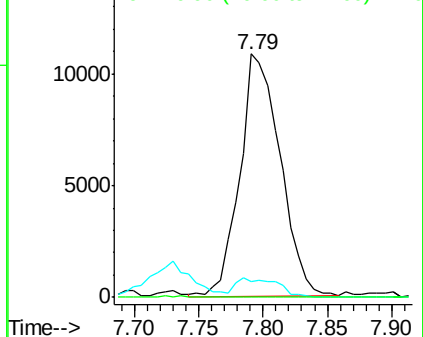
#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000794.D
 Acq: 26 Nov 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1126SBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.1#
77	0.0	25.0	37.6#

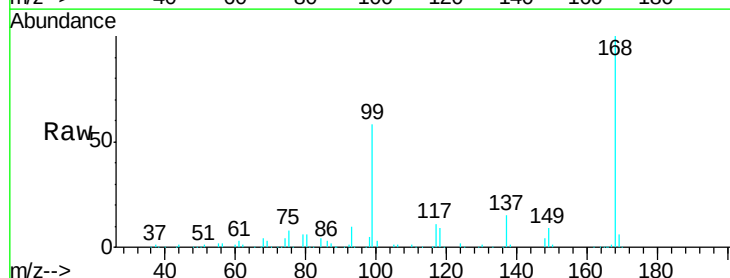


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

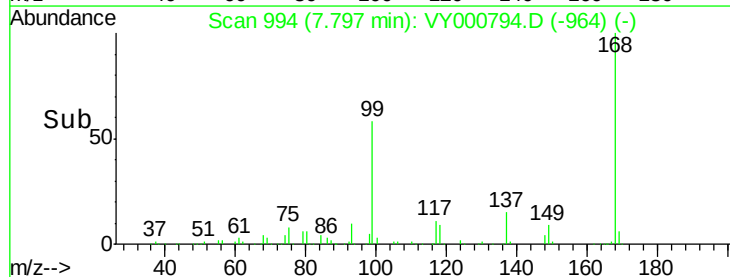
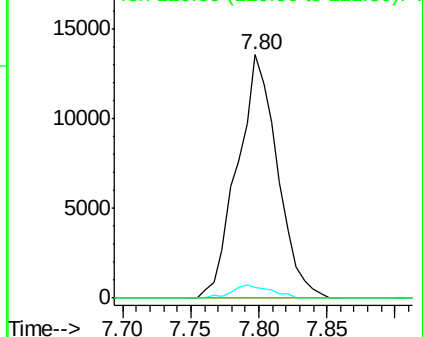


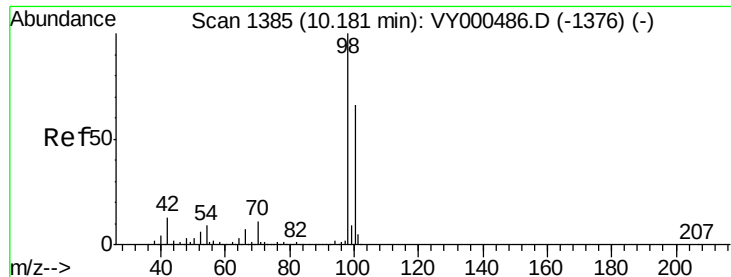
#38
 Carbon Tetrachloride
 Concen: 6.002 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000794.D
 Acq: 26 Nov 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	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: 53.176 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

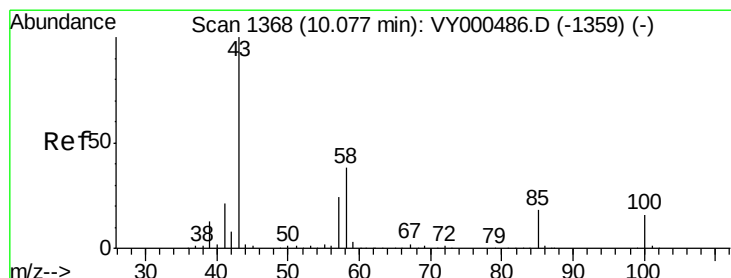
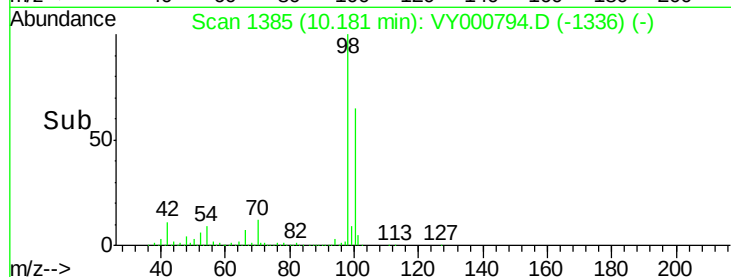
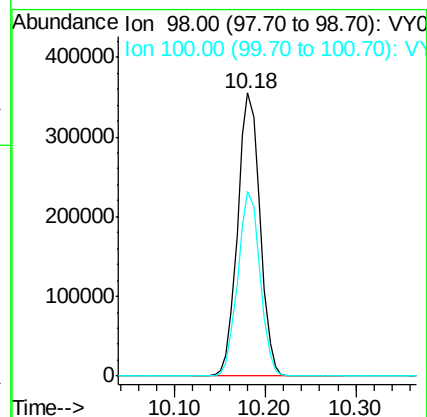
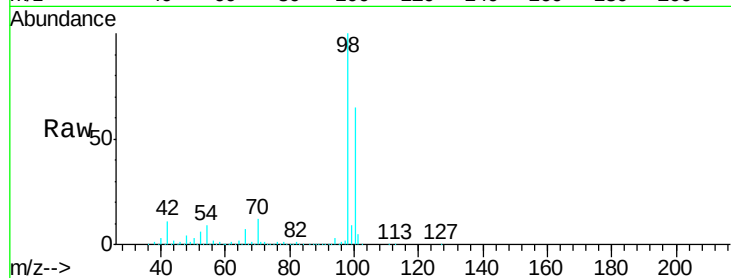
VY1126SBL01

Tgt Ion: 98 Resp: 607885

Ion Ratio Lower Upper

98 100

100 64.7 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY000794.D

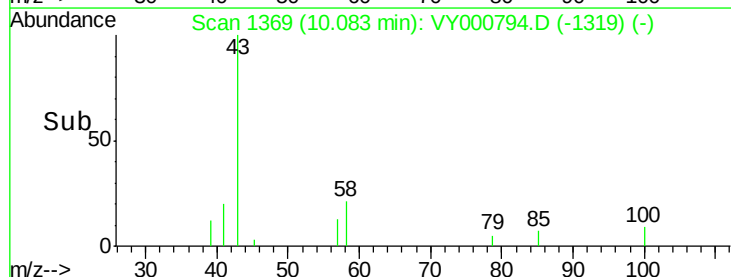
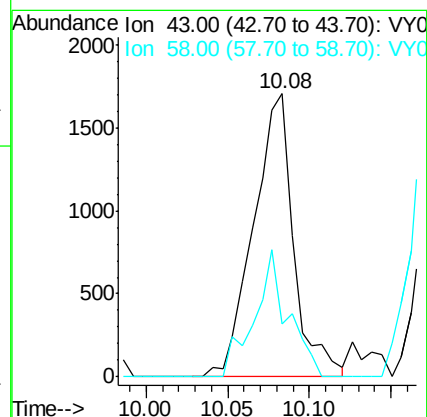
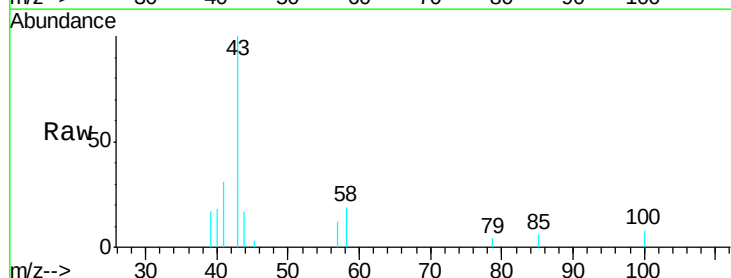
Acq: 26 Nov 2019 11:23

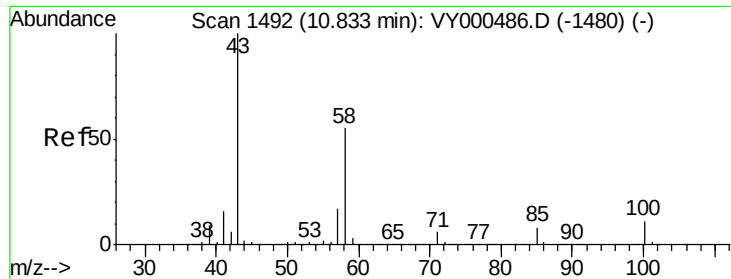
Tgt Ion: 43 Resp: 2920

Ion Ratio Lower Upper

43 100

58 38.0 30.2 45.4

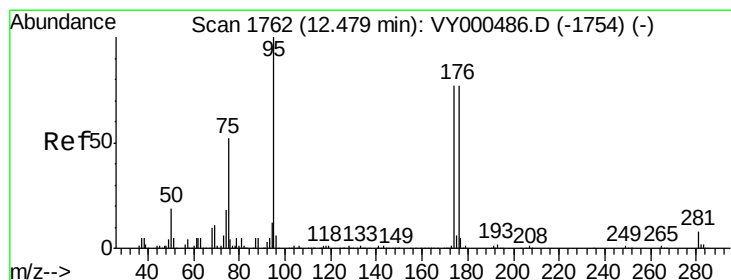
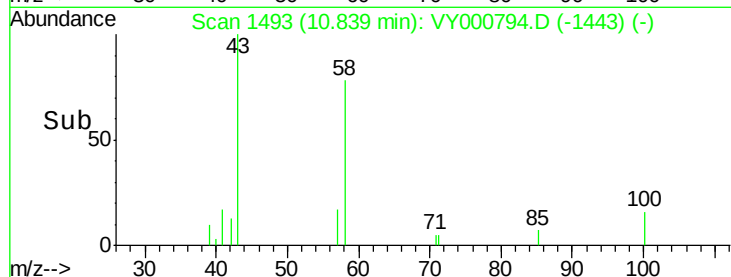
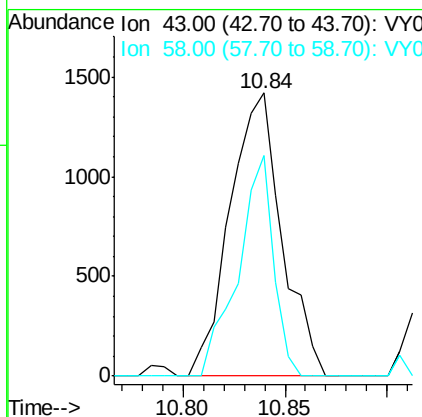
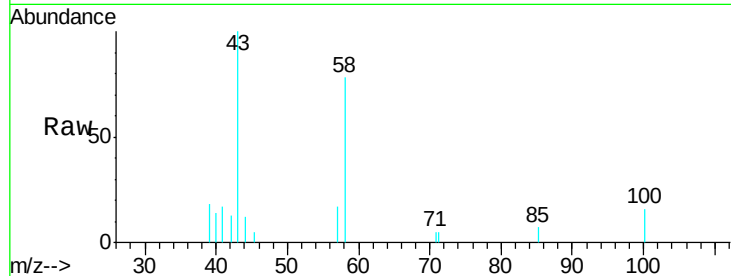




#59
2-Hexanone
Concen: 1.198 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

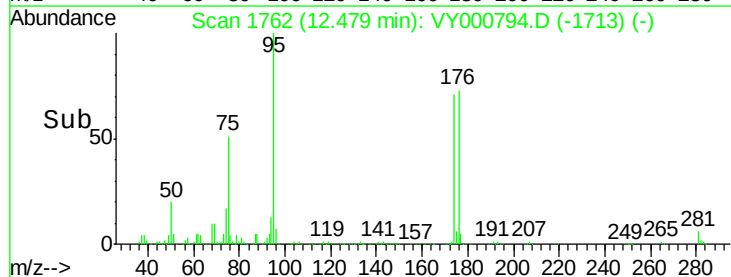
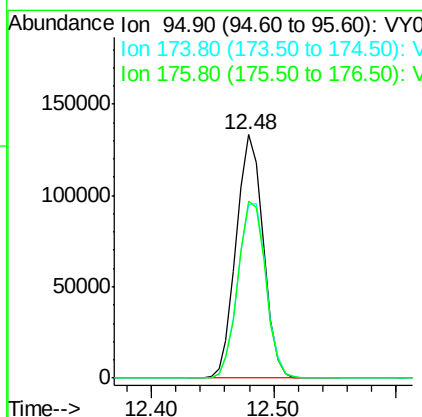
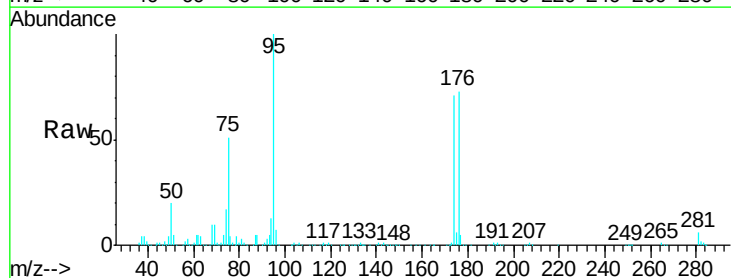
Instrument :
MSVOA_Y
ClientSampleId :
VY1126SBL01

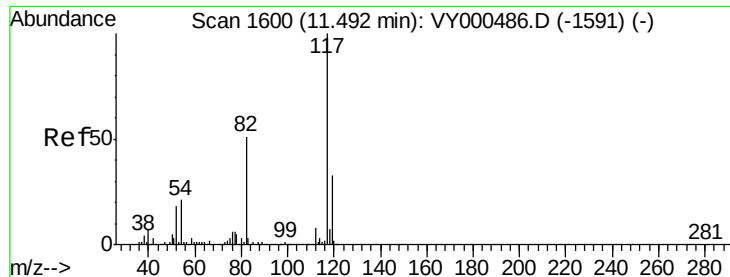
Tgt Ion: 43 Resp: 2510
Ion Ratio Lower Upper
43 100
58 53.2 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 46.837 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

Tgt Ion: 95 Resp: 203833
Ion Ratio Lower Upper
95 100
174 75.2 0.0 161.6
176 74.0 0.0 157.8

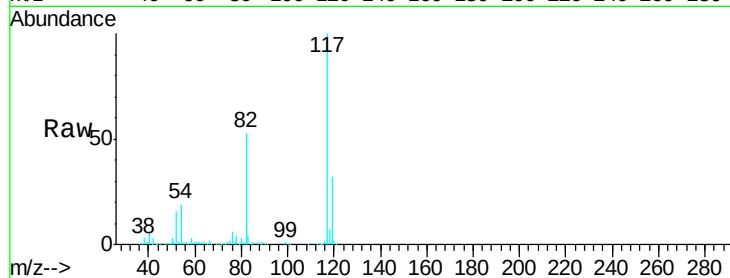




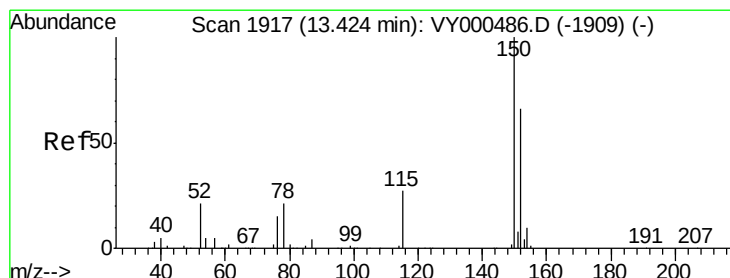
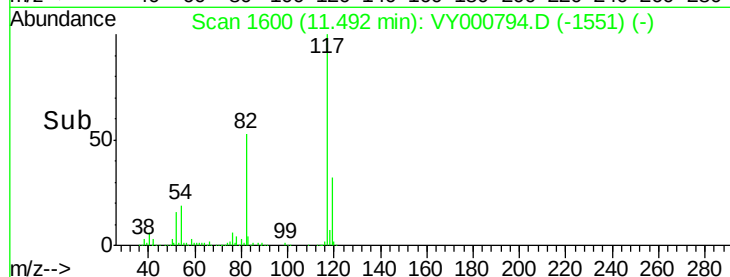
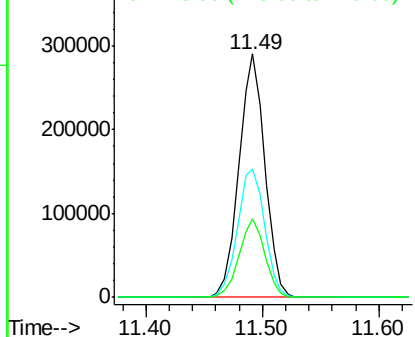
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY1126SBL01

Tgt Ion:117 Resp: 449878
Ion Ratio Lower Upper
117 100
82 52.6 40.8 61.2
119 32.2 26.2 39.2

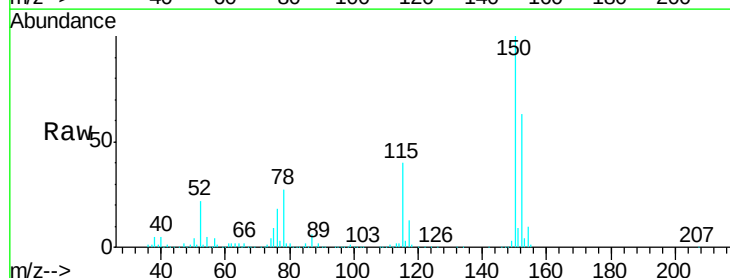


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

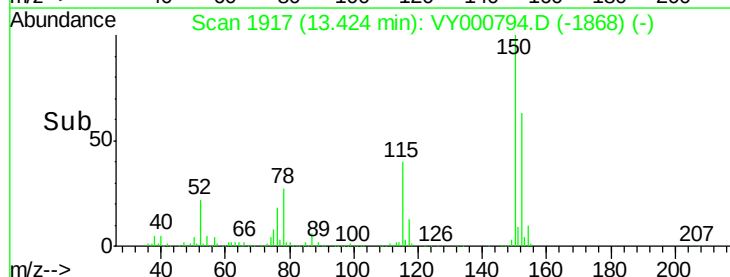
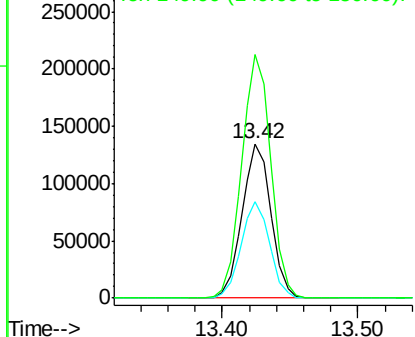


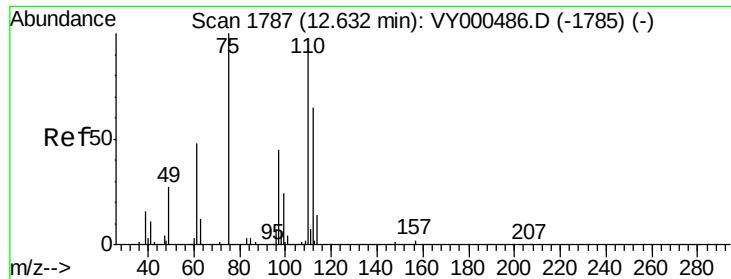
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

Tgt Ion:152 Resp: 198792
Ion Ratio Lower Upper
152 100
115 62.3 29.1 87.4
150 159.5 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: 46.897 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

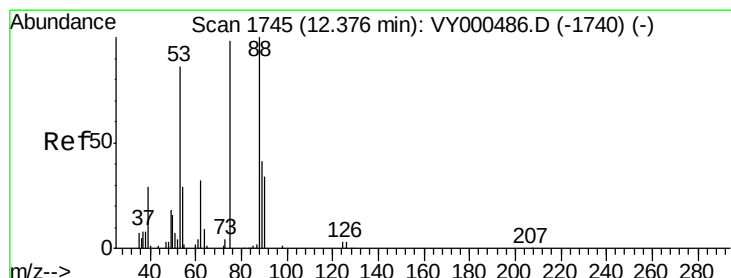
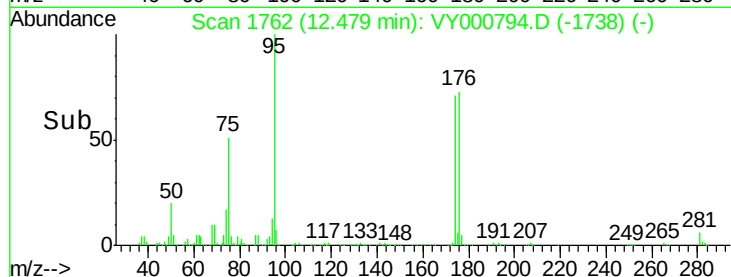
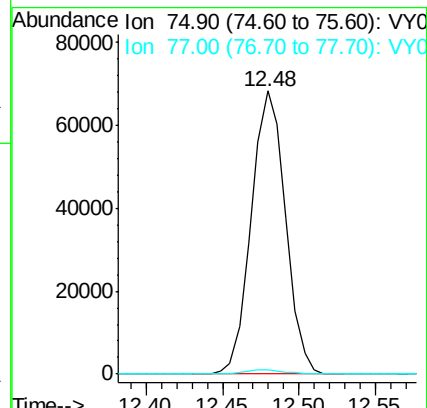
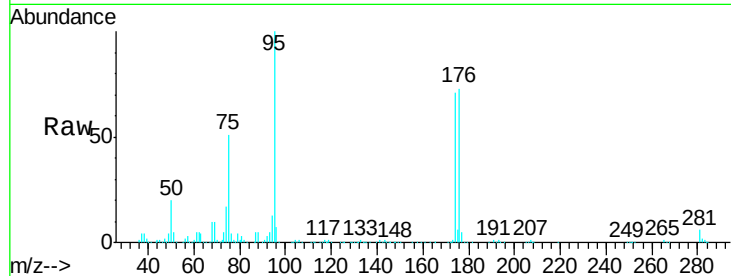
VY1126SBL01

Tgt Ion: 75 Resp: 106153

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.150 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000794.D

Acq: 26 Nov 2019 11:23

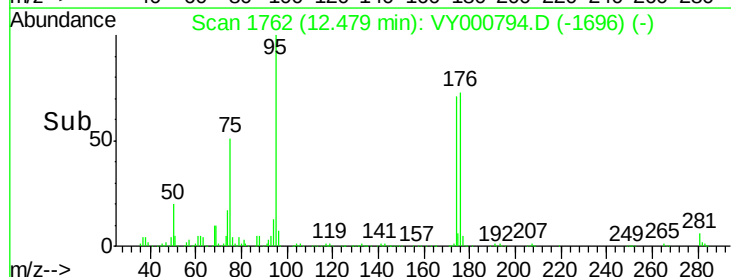
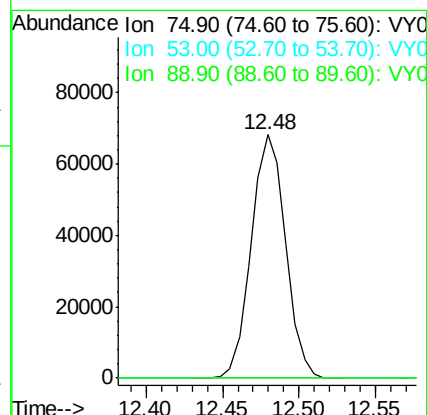
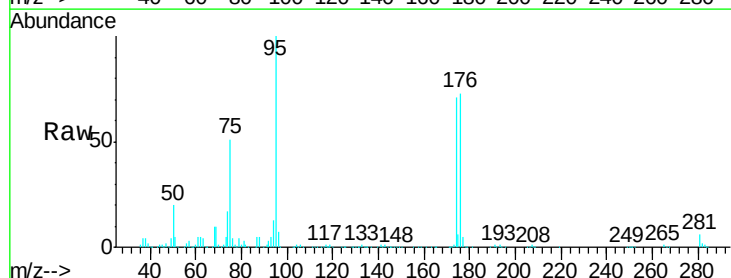
Tgt Ion: 75 Resp: 106153

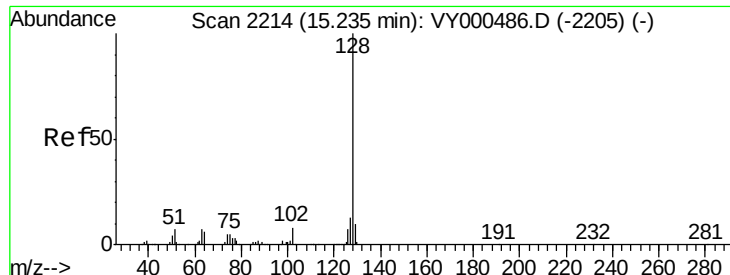
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#

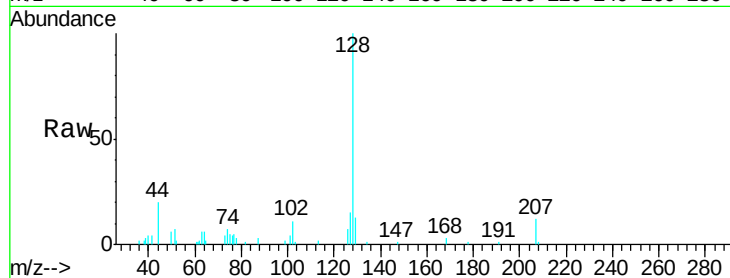




#95
Naphthalene
Concen: 1.125 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000794.D
Acq: 26 Nov 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY1126SBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.8	14.6
129	11.0	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

