

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111819\
 Data File : VY000723.D
 Acq On : 18 Nov 2019 13:50
 Operator : SY/MD
 Sample : K5861-19
 Misc : 4.88G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-16

Quant Time: Nov 18 14:17:24 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	89493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	144029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	116076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	51187	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	43938	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.73	113	40038	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	10.18	98	158934	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.48	95	49354	40.41	ug/l	0.00
Spiked Amount			Recovery	=	80.82%	

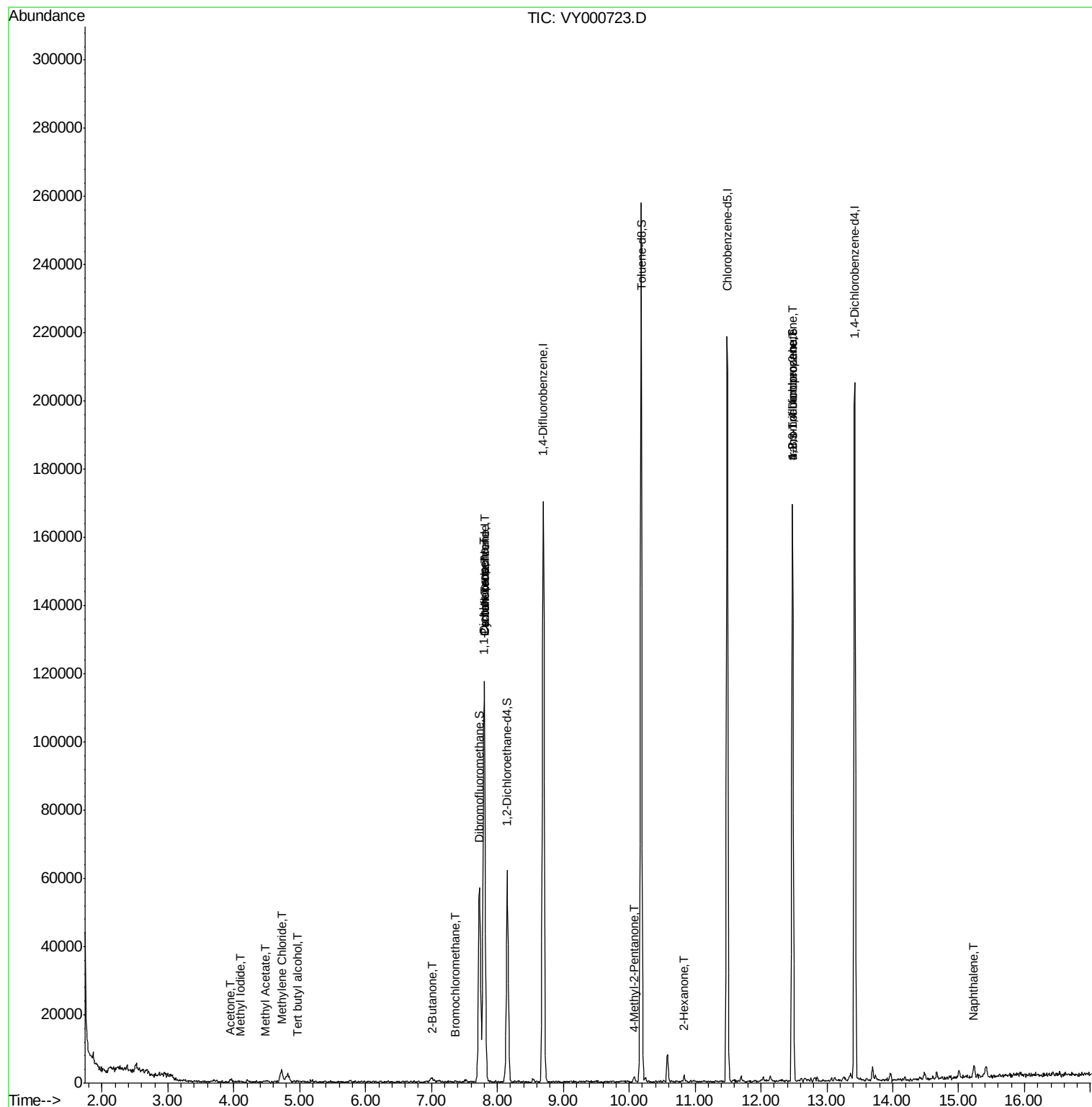
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	98	3.275	ug/l #	41
11) Tert butyl alcohol	4.97	59	392	4.348	ug/l #	72
16) Acetone	3.95	43	569	2.229	ug/l	97
18) Methyl Acetate	4.48	43	940	1.184	ug/l #	51
20) Methylene Chloride	4.72	84	2542	2.324	ug/l	91
25) 2-Butanone	7.02	43	462	1.134	ug/l #	49
28) Bromochloromethane	7.37	49	23	4.120	ug/l #	14
31) Cyclohexane	7.80	56	2081	1.161	ug/l #	13
36) 1,1-Dichloropropene	7.79	75	7602	5.583	ug/l #	50
38) Carbon Tetrachloride	7.80	117	9025	6.889	ug/l #	11
51) 4-Methyl-2-Pentanone	10.08	43	1097	1.359	ug/l #	82
59) 2-Hexanone	10.83	43	1123	1.909	ug/l	89
76) 1,2,3-Trichloropropane	12.48	75	25756	44.191	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	25756	99.082	ug/l #	13
95) Naphthalene	15.23	128	3498	1.518	ug/l	97

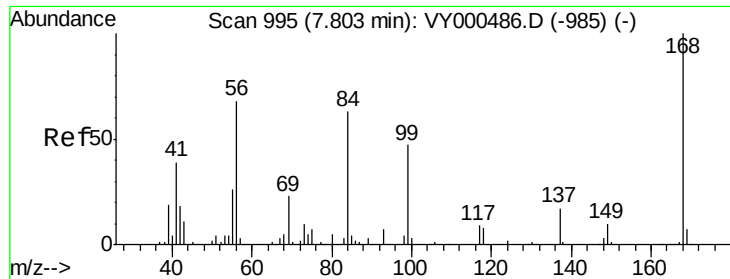
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

Instrument :

MSVOA_Y

ClientSampled :

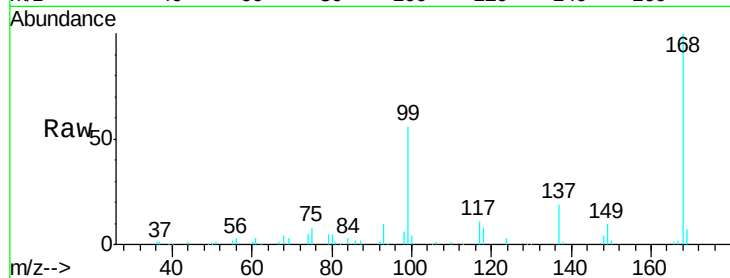
EP-16

Tgt Ion:168 Resp: 89493

Ion Ratio Lower Upper

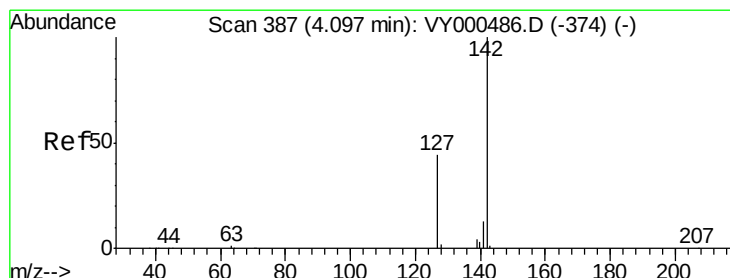
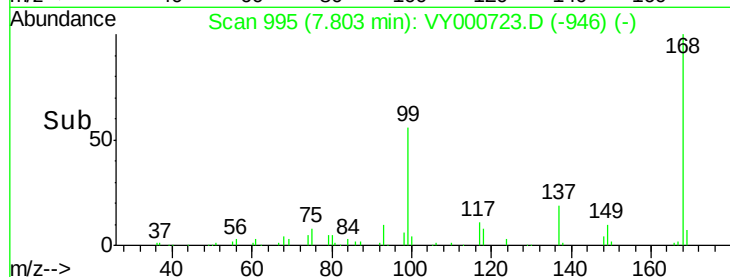
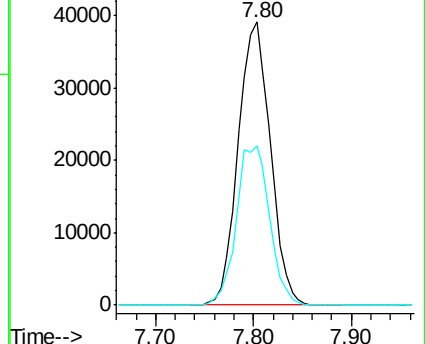
168 100

99 56.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.275 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

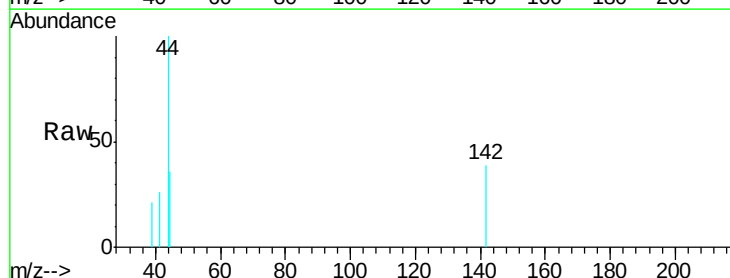
Tgt Ion:142 Resp: 98

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

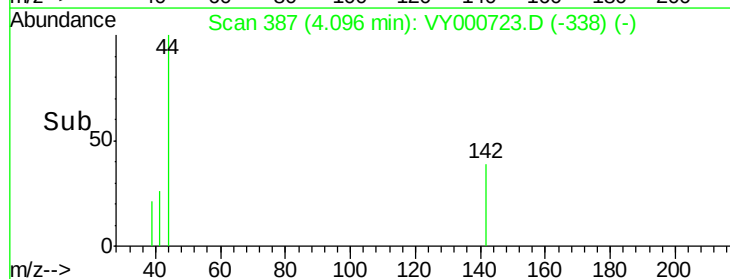
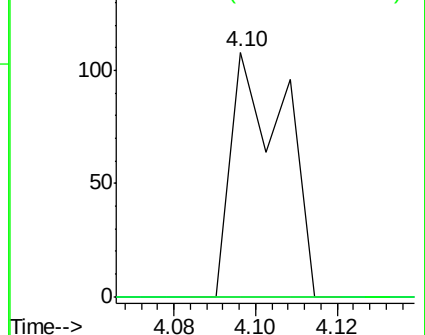
141 0.0 10.9 16.3#

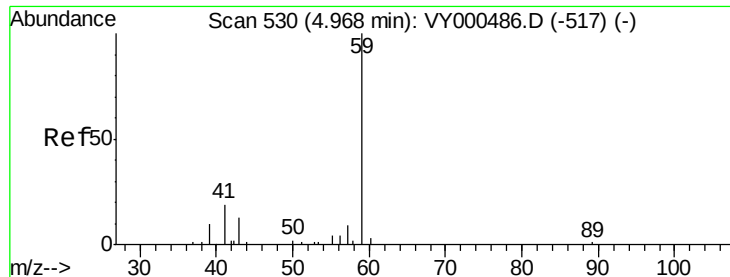


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

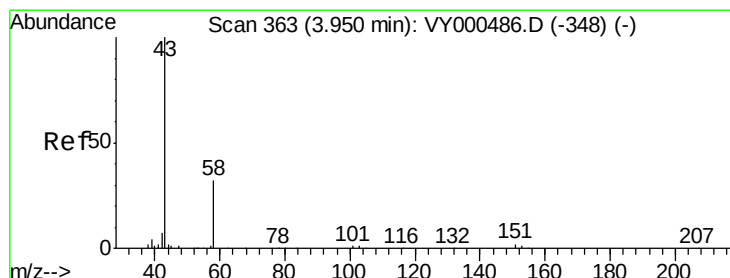
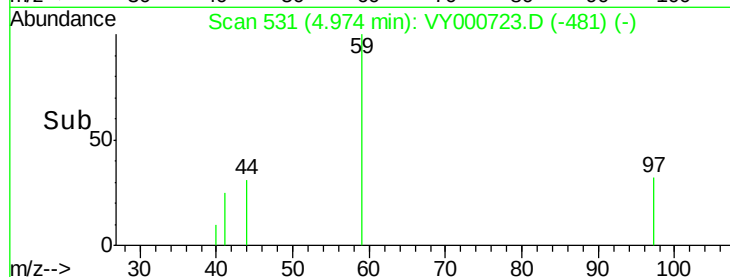
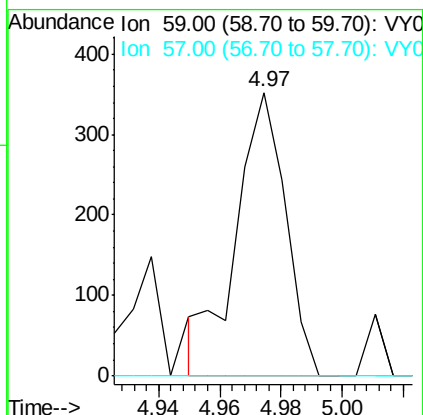
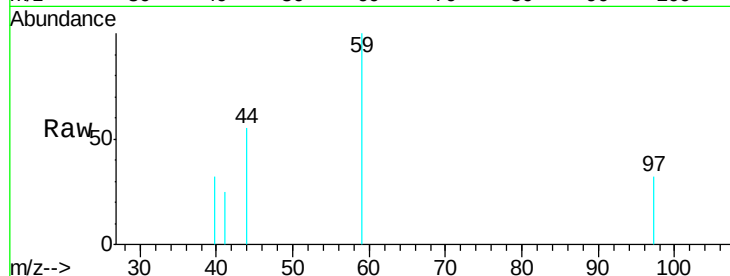




#11
Tert butyl alcohol
Concen: 4.348 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

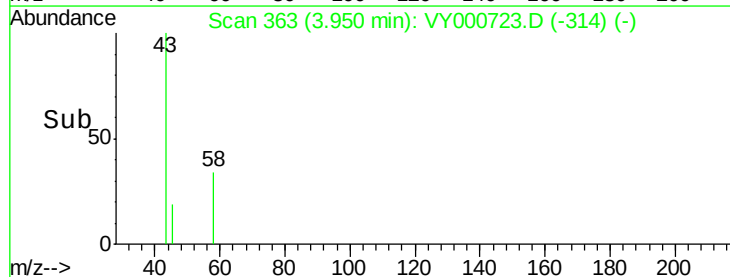
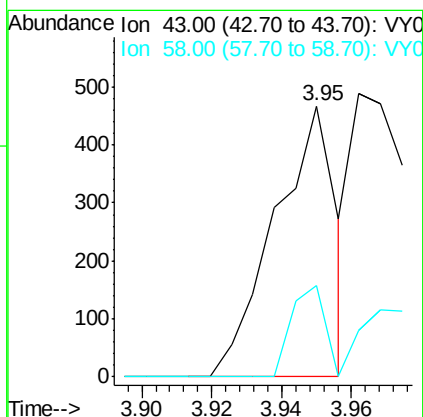
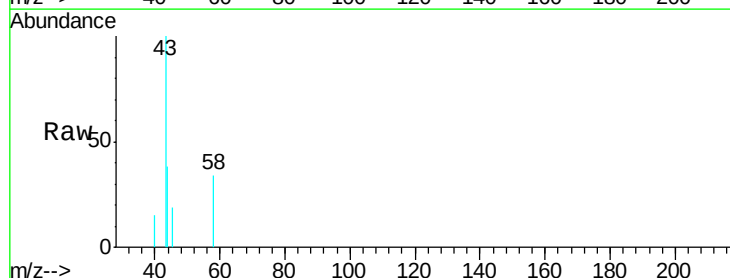
Instrument :
MSVOA_Y
ClientSampled :
EP-16

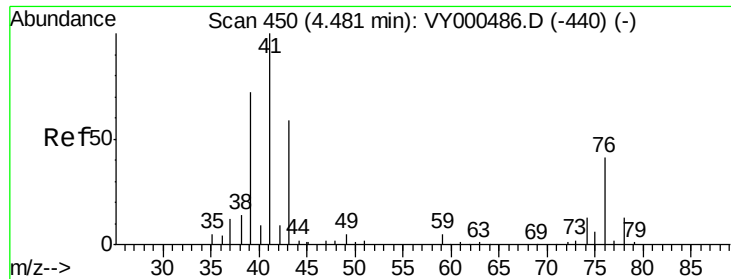
Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 2.229 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
58 33.6 25.8 38.6

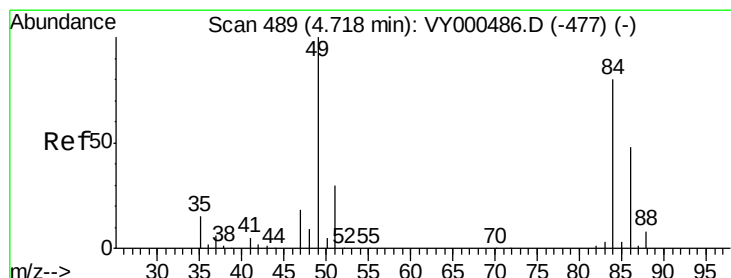
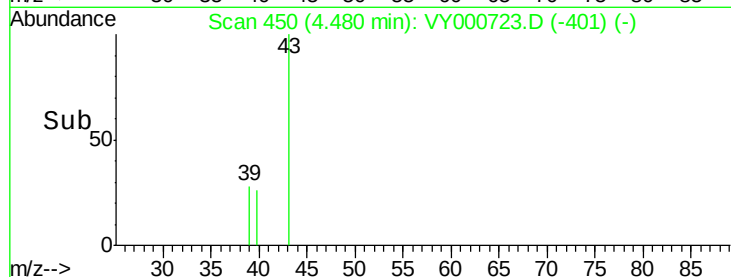
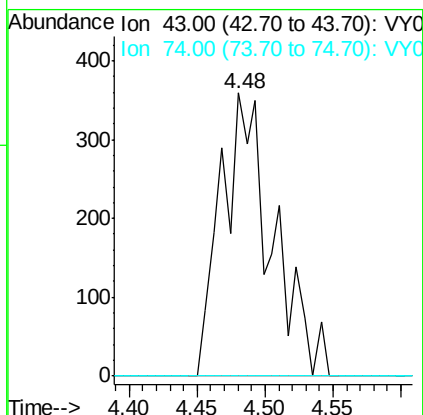
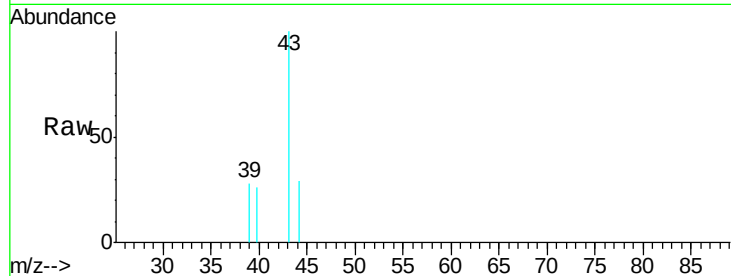




#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

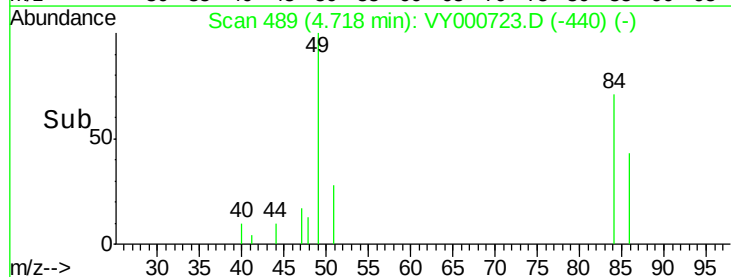
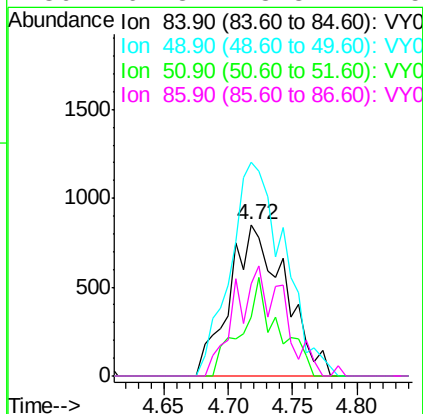
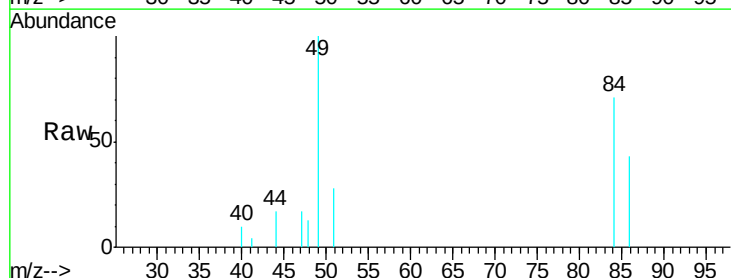
Instrument :
MSVOA_Y
ClientSampled :
EP-16

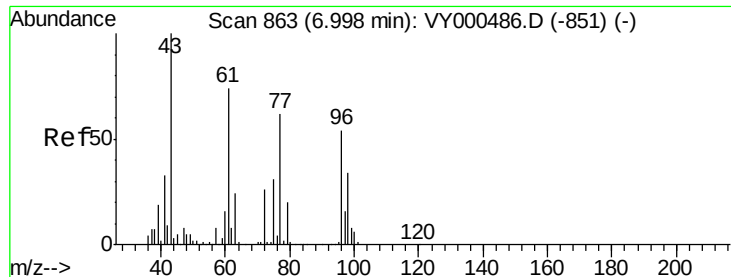
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 2.324 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

Tgt Ion: 84 Resp: 2542
Ion Ratio Lower Upper
84 100
49 141.1 100.2 150.4
51 39.3 29.6 44.4
86 61.3 48.3 72.5





#25

2-Butanone

Concen: 1.134 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

Instrument :

MSVOA_Y

ClientSampled :

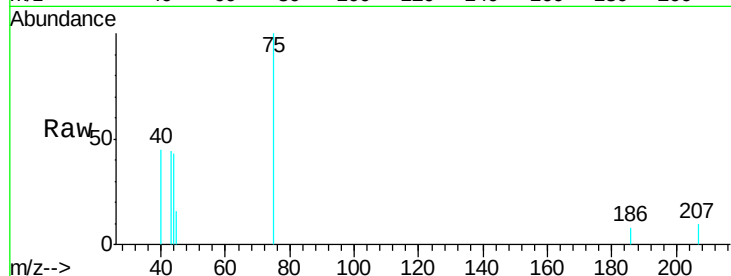
EP-16

Tgt Ion: 43 Resp: 462

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.02

250

200

150

100

50

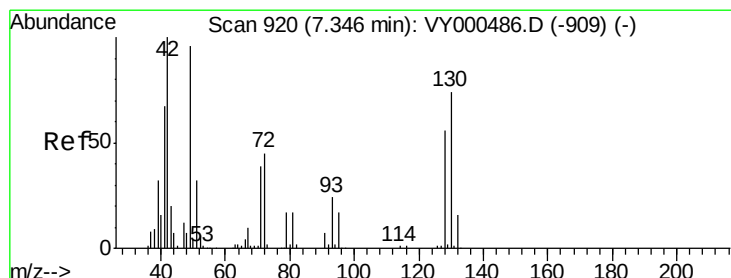
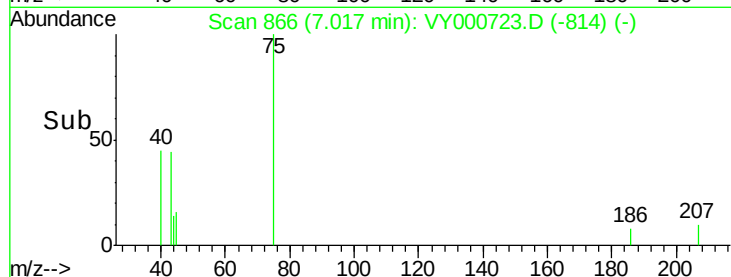
0

6.95

7.00

7.05

Time-->



#28

Bromochloromethane

Concen: 4.120 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.03 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

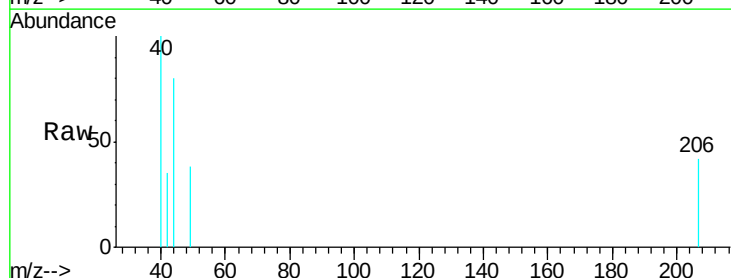
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 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

7.37

60

40

20

0

7.35

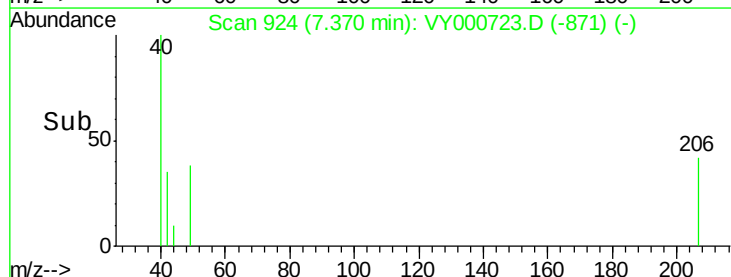
7.36

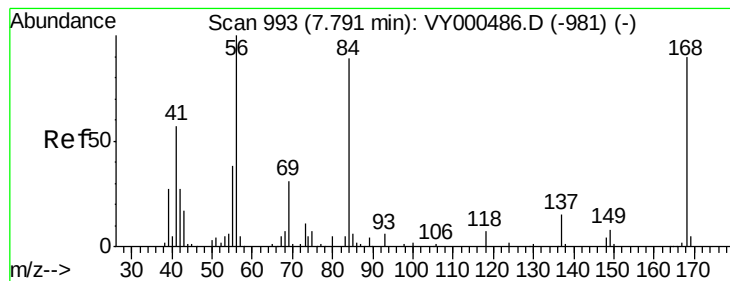
7.37

7.38

7.39

Time-->





#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

Instrument :

MSVOA_Y

ClientSampled :

EP-16

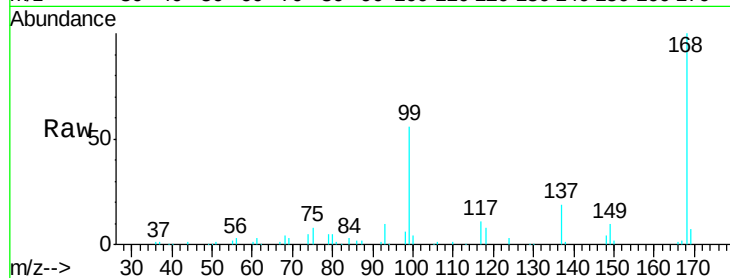
Tgt Ion: 56 Resp: 2081

Ion Ratio Lower Upper

56 100

69 137.9 25.0 37.6#

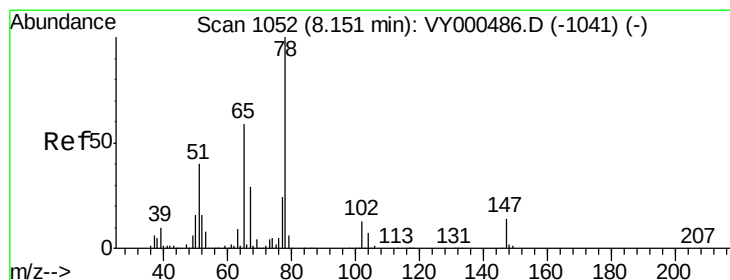
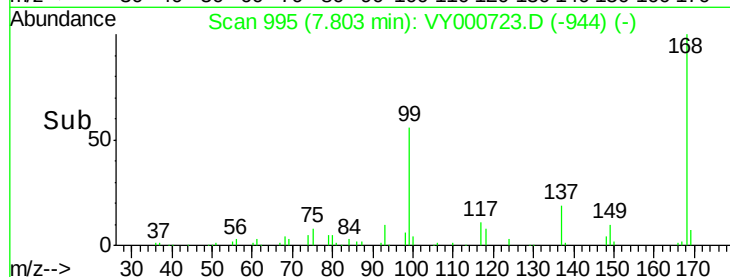
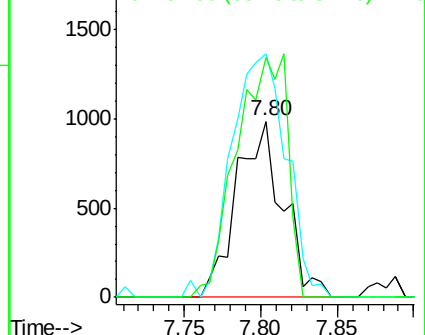
84 135.8 71.4 107.2#



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: 47.442 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000723.D

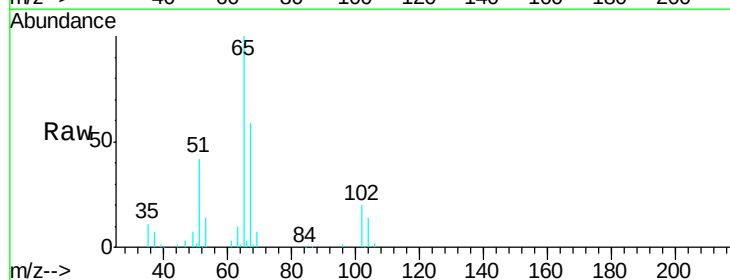
Acq: 18 Nov 2019 13:50

Tgt Ion: 65 Resp: 43938

Ion Ratio Lower Upper

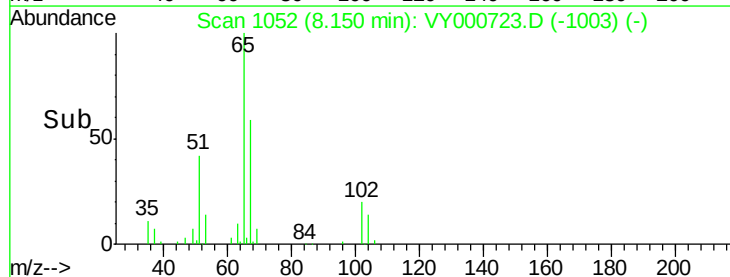
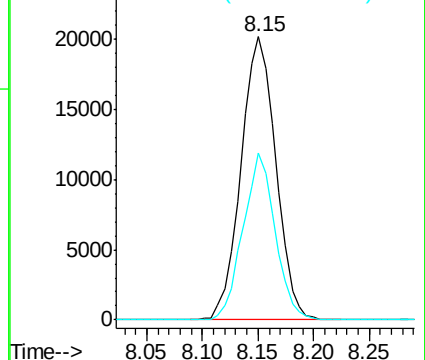
65 100

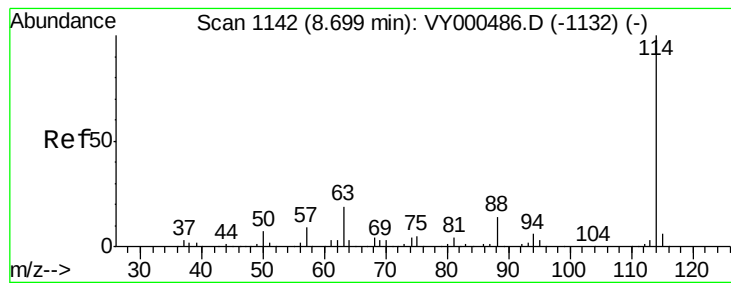
67 54.3 0.0 107.2



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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

Instrument :

MSVOA_Y

ClientSampleId :

EP-16

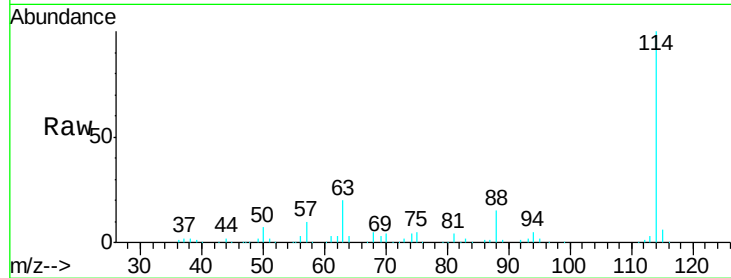
Tgt Ion:114 Resp: 144029

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

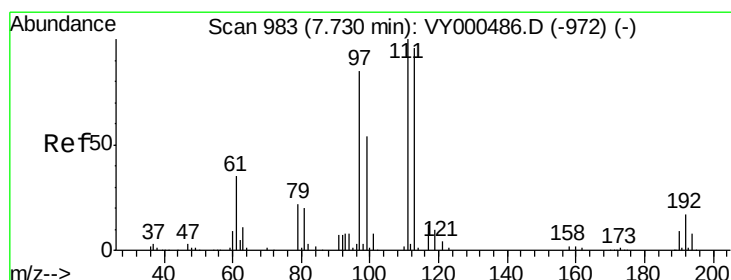
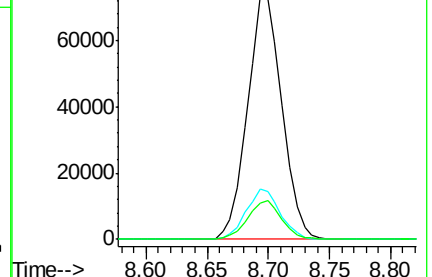
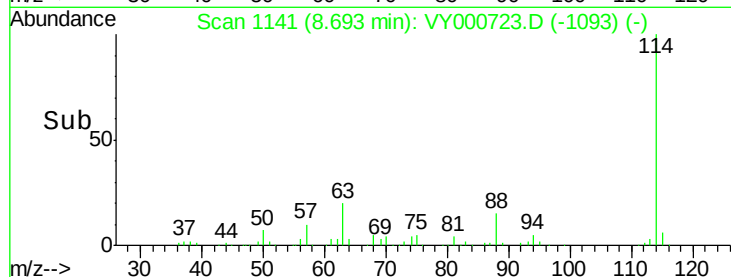
88 15.0 0.0 28.6



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: 47.352 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

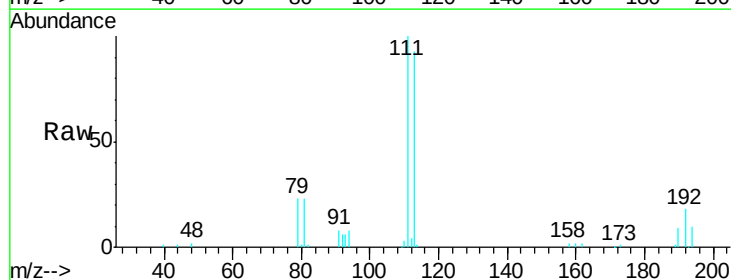
Tgt Ion:113 Resp: 40038

Ion Ratio Lower Upper

113 100

111 104.7 81.7 122.5

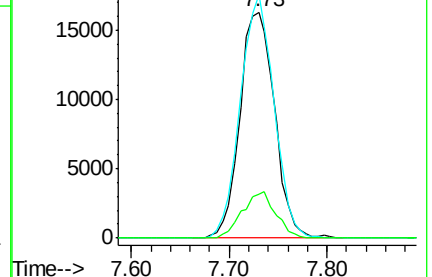
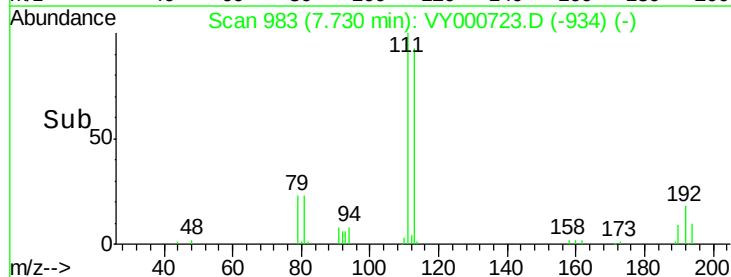
192 19.6 15.0 22.4

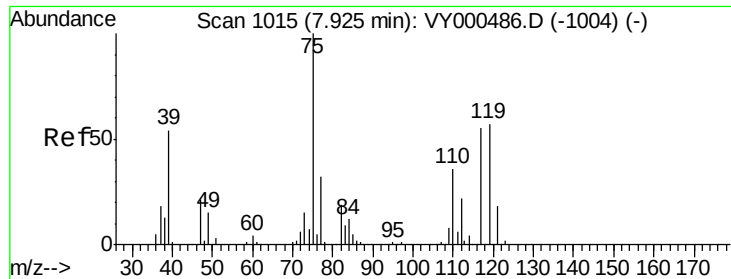


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

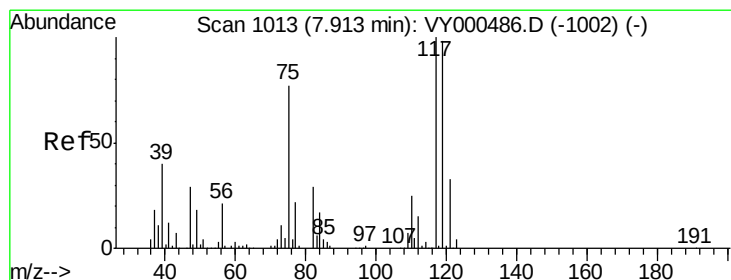
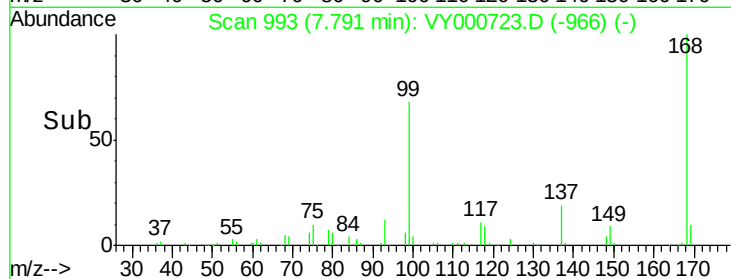
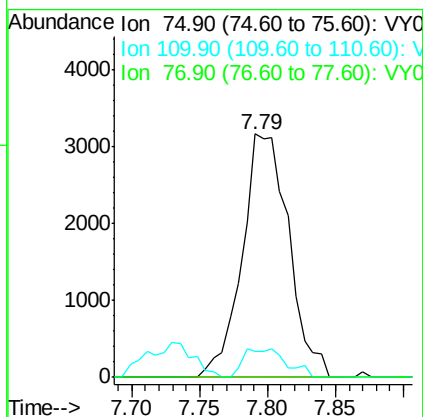
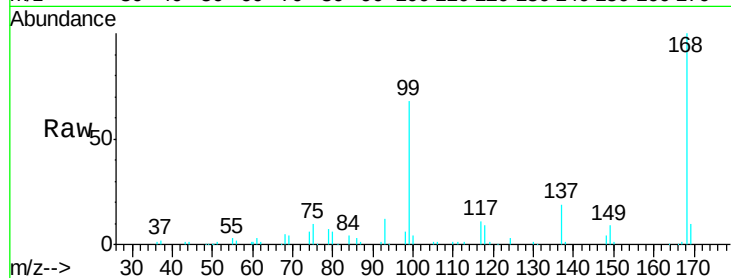




#36
 1,1-Dichloropropene
 Concen: 5.583 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000723.D
 Acq: 18 Nov 2019 13:50

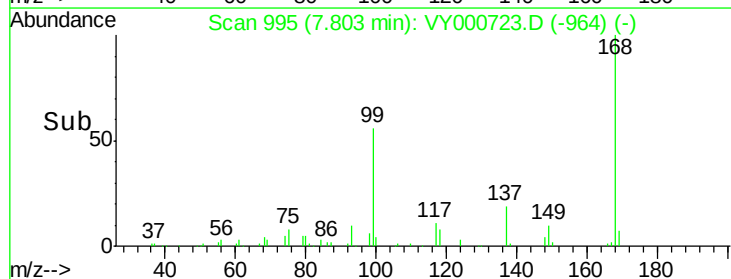
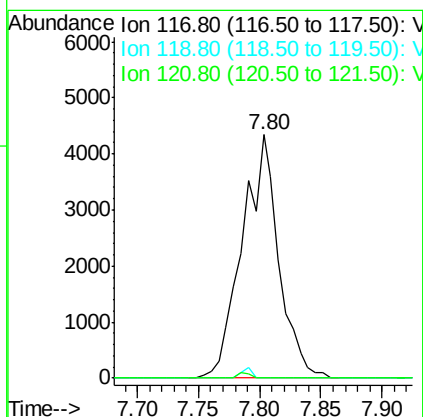
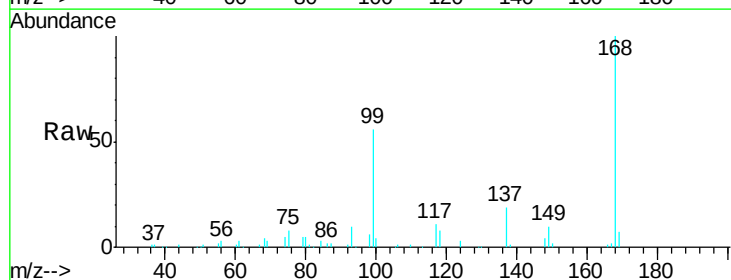
Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-16

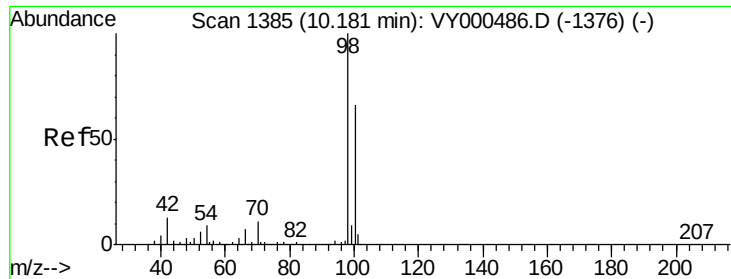
Tgt Ion: 75 Resp: 7602
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.889 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000723.D
 Acq: 18 Nov 2019 13:50

Tgt Ion: 117 Resp: 9025
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.0 117.0#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 49.537 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000723.D

Acq: 18 Nov 2019 13:50

Instrument :

MSVOA_Y

ClientSampled :

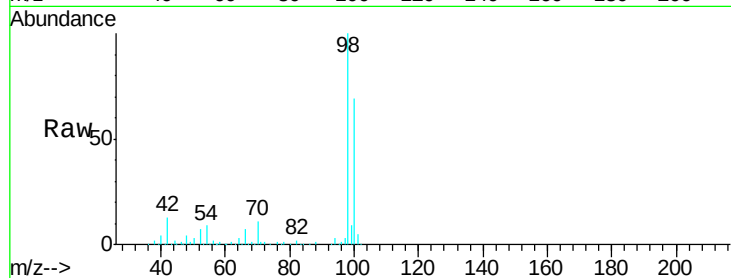
EP-16

Tgt Ion: 98 Resp: 158934

Ion Ratio Lower Upper

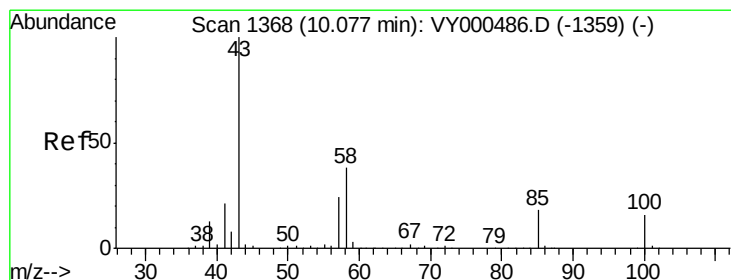
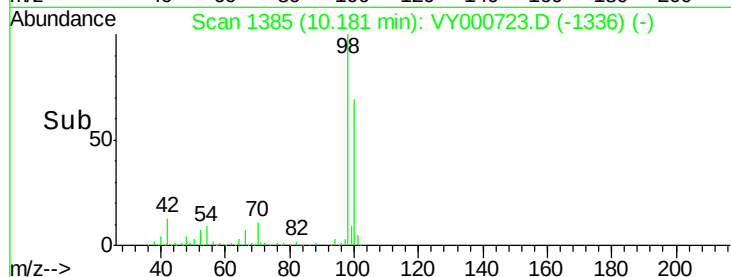
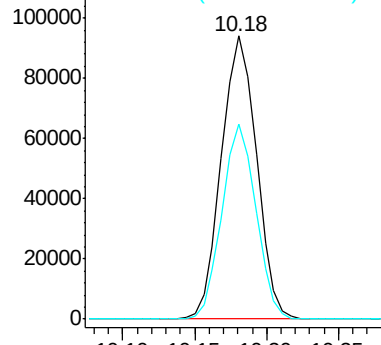
98 100

100 66.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#51

4-Methyl-2-Pentanone

Concen: 1.359 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000723.D

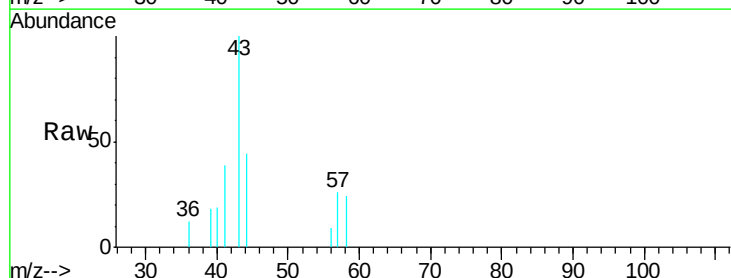
Acq: 18 Nov 2019 13:50

Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

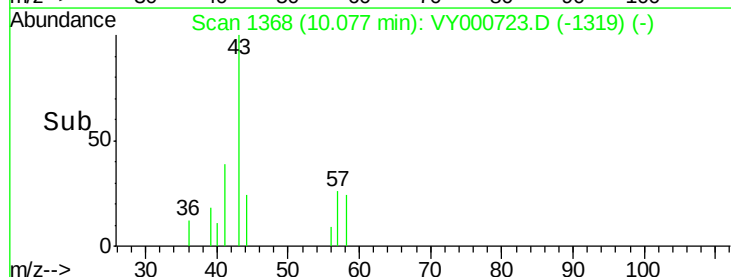
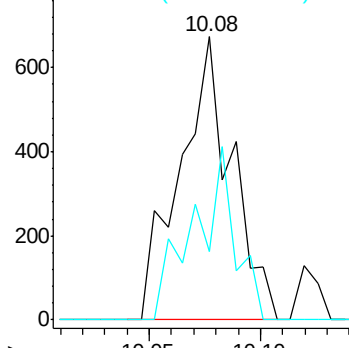
43 100

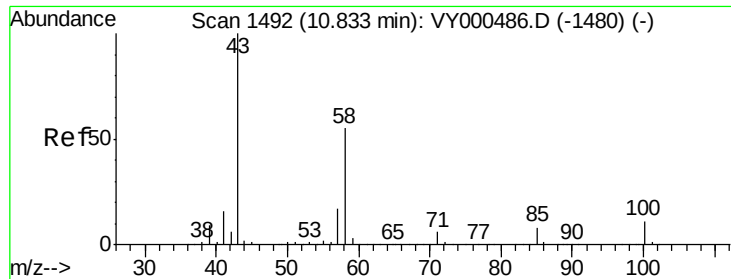
58 48.4 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

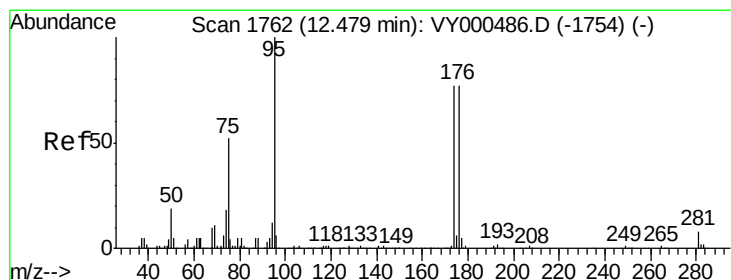
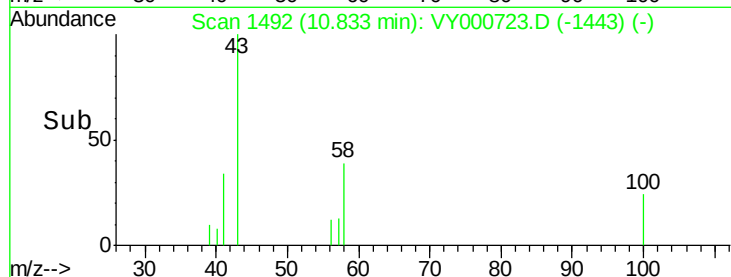
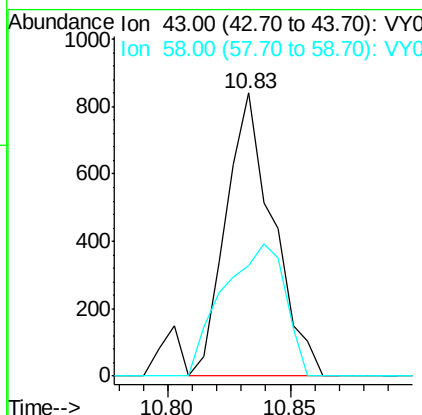
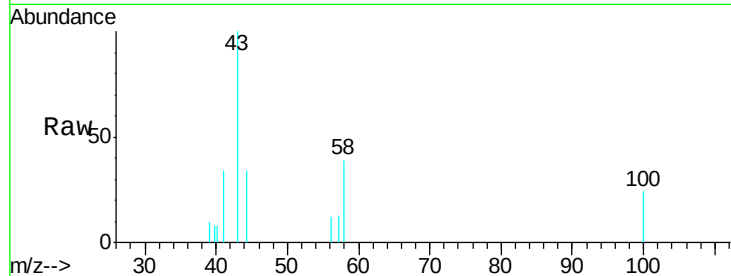




#59
2-Hexanone
Concen: 1.909 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

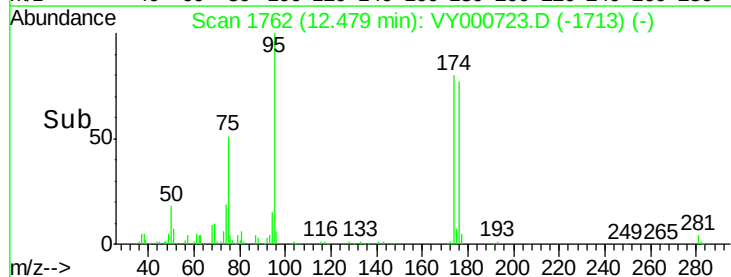
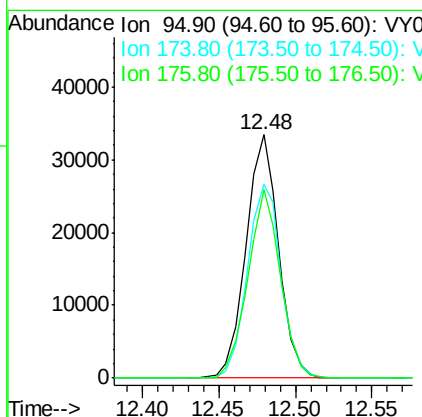
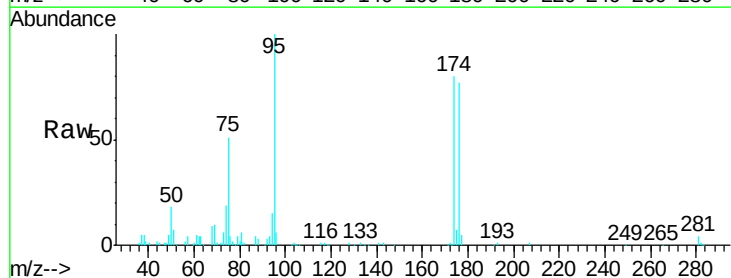
Instrument :
MSVOA_Y
ClientSampled :
EP-16

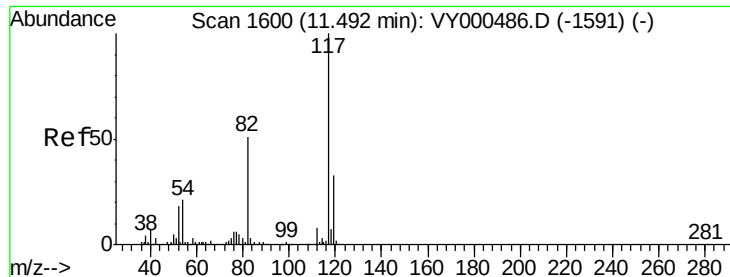
Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
58 62.0 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 40.407 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

Tgt Ion: 95 Resp: 49354
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.6
176 77.4 0.0 157.8

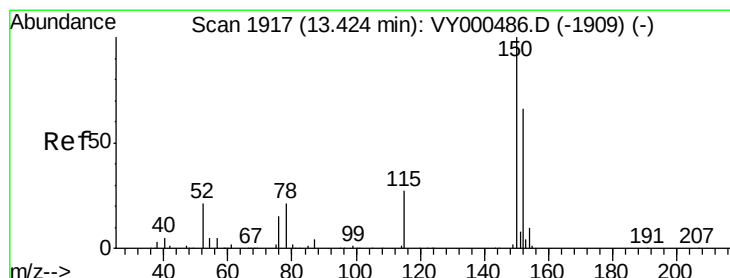
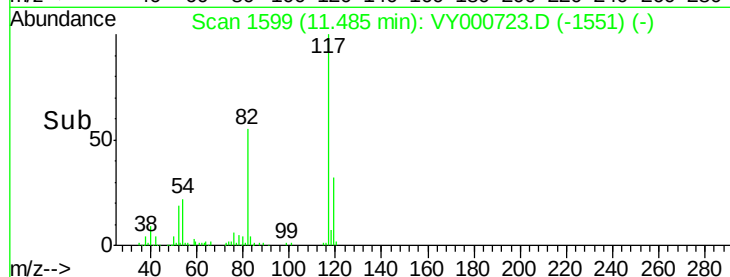
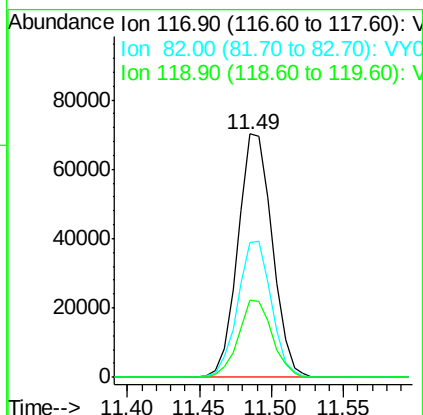
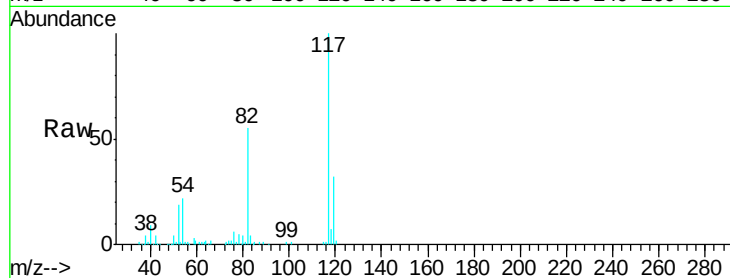




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

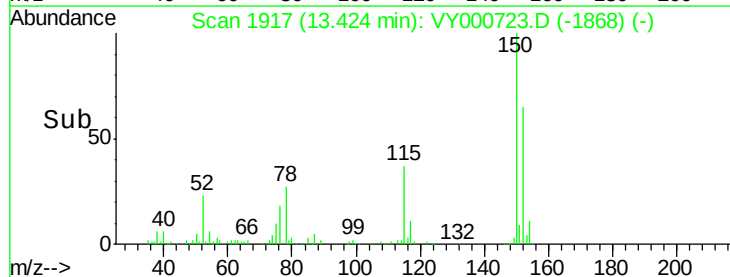
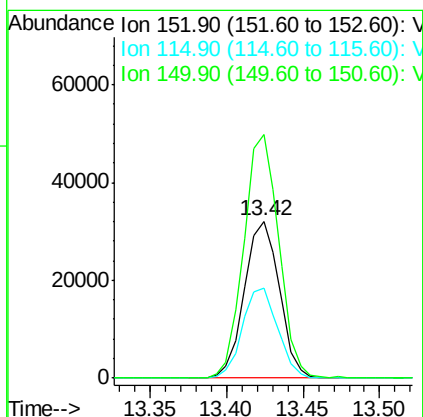
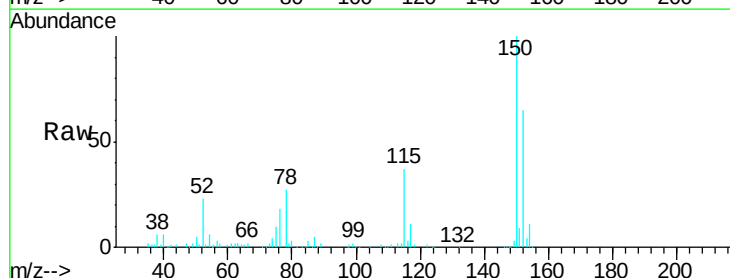
Instrument :
MSVOA_Y
ClientSampleId :
EP-16

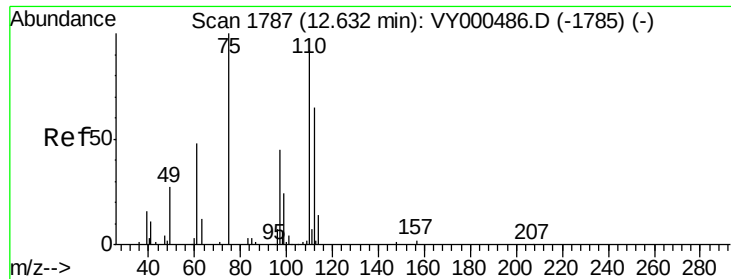
Tgt Ion:117 Resp: 116076
Ion Ratio Lower Upper
117 100
82 55.3 40.8 61.2
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

Tgt Ion:152 Resp: 51187
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.4
150 154.7 0.0 348.8

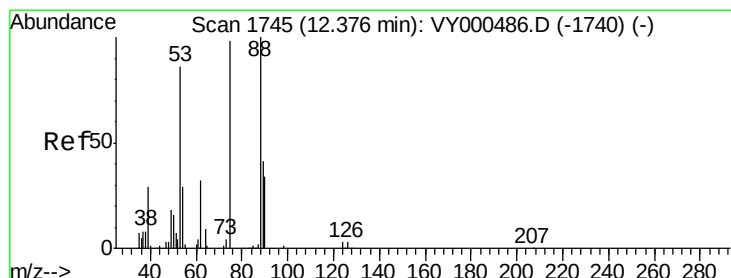
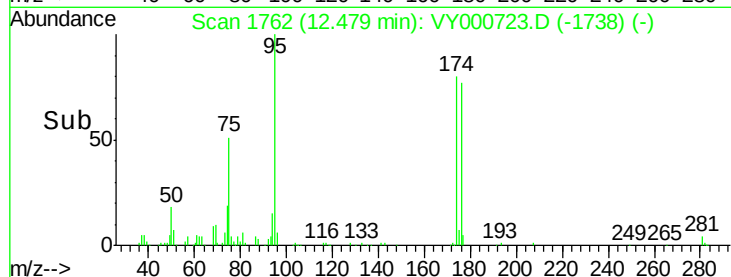
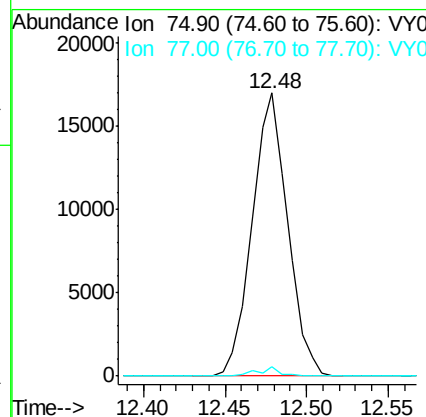
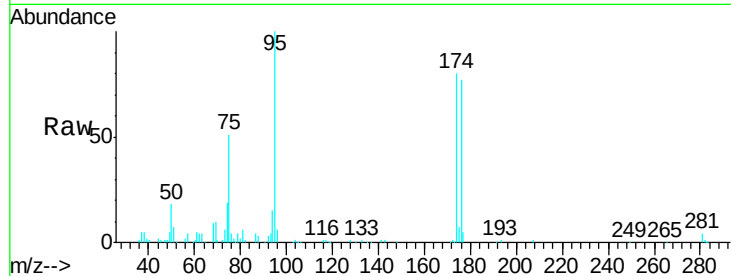




#76
 1,2,3-Trichloropropane
 Concen: 44.191 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000723.D
 Acq: 18 Nov 2019 13:50

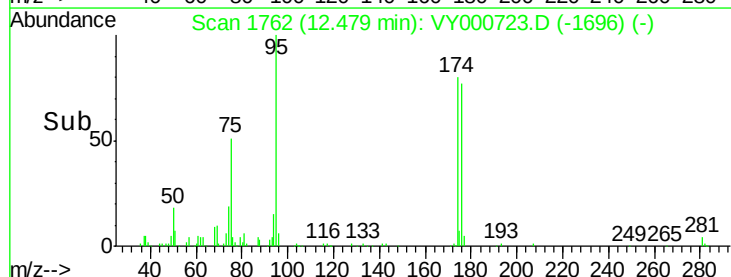
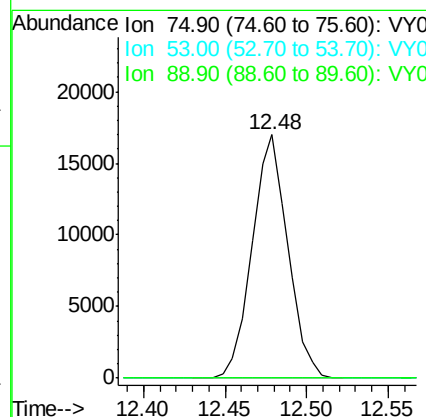
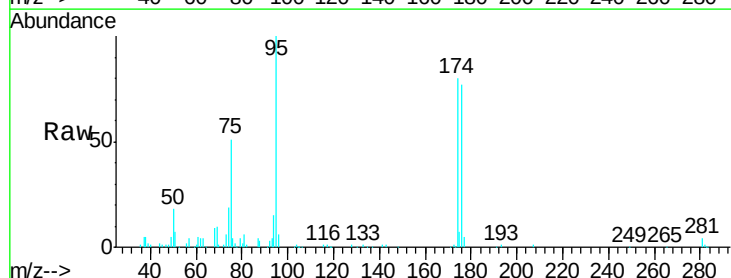
Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-16

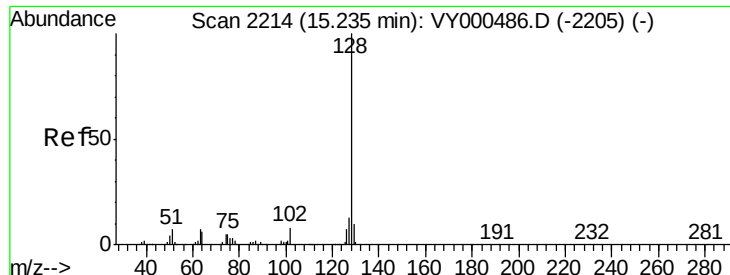
Tgt Ion: 75 Resp: 25756
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.082 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000723.D
 Acq: 18 Nov 2019 13:50

Tgt Ion: 75 Resp: 25756
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 35.9 53.9#





#95
Naphthalene
Concen: 1.518 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000723.D
Acq: 18 Nov 2019 13:50

Instrument :
MSVOA_Y
ClientSampleId :
EP-16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.8	14.6
129	8.9	8.7	13.1

