

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103019\
 Data File : VY000490.D
 Acq On : 30 Oct 2019 14:00
 Operator : SY/MD
 Sample : VY1030SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBL01

Quant Time: Oct 31 02:10:16 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	228009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	395987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154112	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	135325	57.35	ug/l	0.00
Spiked Amount			Recovery	=	114.70%	
35) Dibromofluoromethane	7.73	113	117317	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.18	98	463105	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.48	95	155327	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

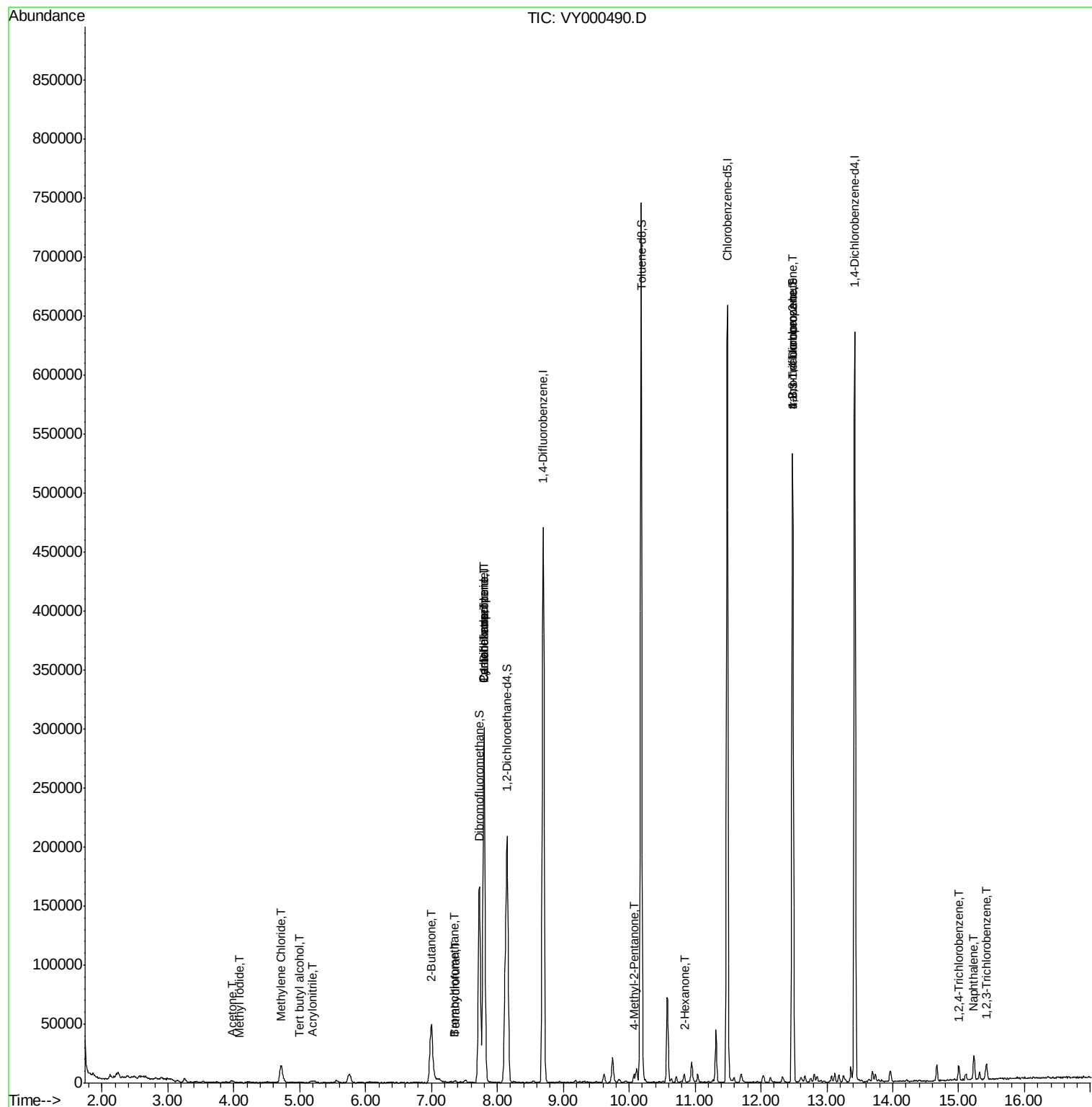
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	96	3.228	ug/l #	75
11) Tert butyl alcohol	4.99	59	635	2.765	ug/l #	72
15) Acrylonitrile	5.18	53	1485	2.104	ug/l #	79
16) Acetone	3.97	43	2903	4.464	ug/l	97
20) Methylene Chloride	4.71	84	10375	3.723	ug/l	85
25) 2-Butanone	7.01	43	3946	3.802	ug/l #	79
28) Bromochloromethane	7.35	49	132	4.154	ug/l #	96
29) Tetrahydrofuran	7.37	42	799	1.258	ug/l #	70
31) Cyclohexane	7.80	56	6036	1.322	ug/l #	21
36) 1,1-Dichloropropene	7.80	75	18507	4.944	ug/l #	48
38) Carbon Tetrachloride	7.80	117	21426	5.948	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	5554	2.502	ug/l	98
59) 2-Hexanone	10.83	43	5035	3.113	ug/l	91
76) 1,2,3-Trichloropropane	12.48	75	81818	46.626	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81818	104.541	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.01	180	3692	1.181	ug/l	93
95) Naphthalene	15.23	128	15198	2.190	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	4176	1.489	ug/l	96

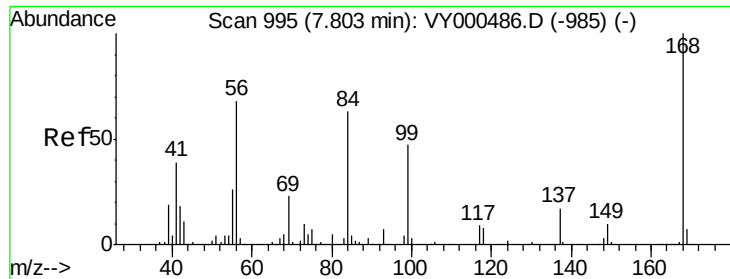
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 13:30:53 2019
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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: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

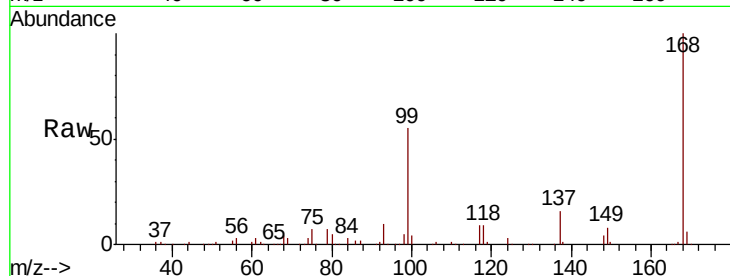
VY1030SBL01

Tot Ion:168 Resp: 228009

Ion Ratio Lower Upper

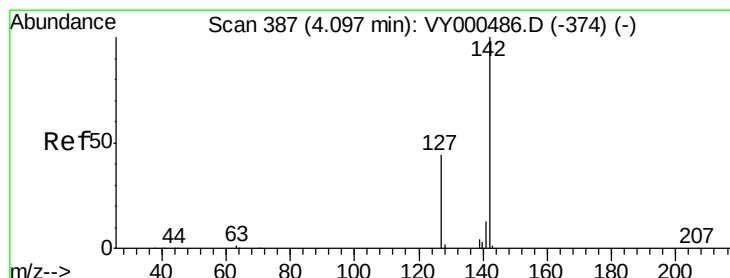
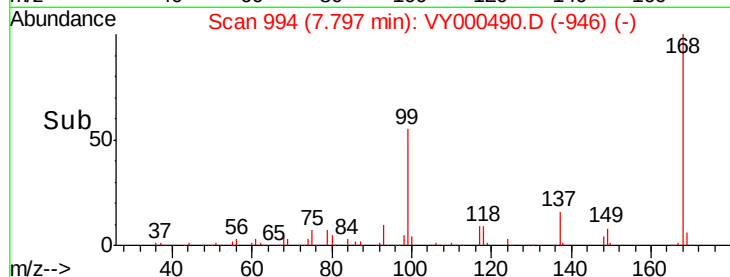
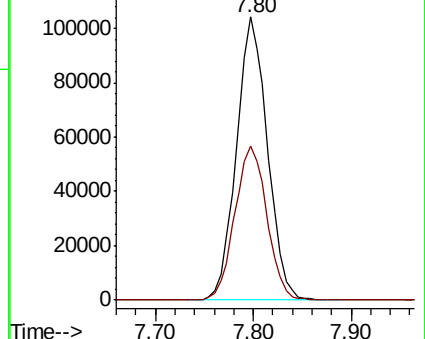
168 100

99 54.5 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: 3.228 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

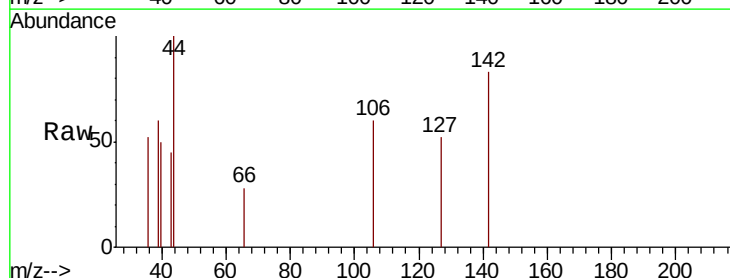
Tgt Ion:142 Resp: 96

Ion Ratio Lower Upper

142 100

127 56.3 33.7 50.5#

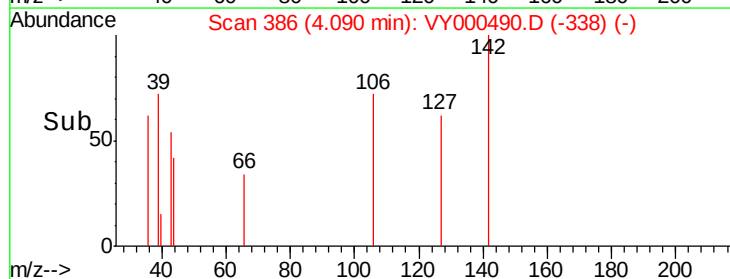
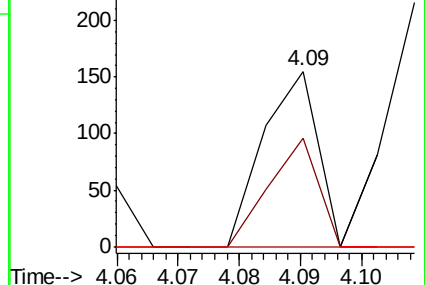
141 0.0 10.9 16.3#

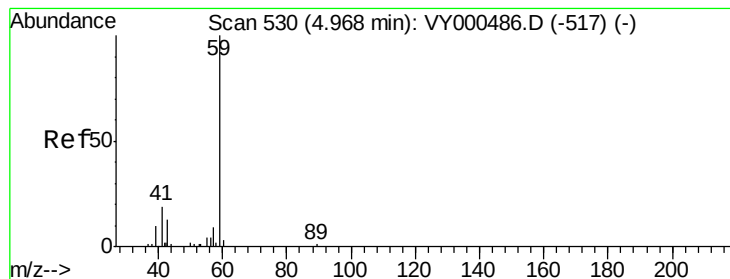


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 2.765 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.02 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

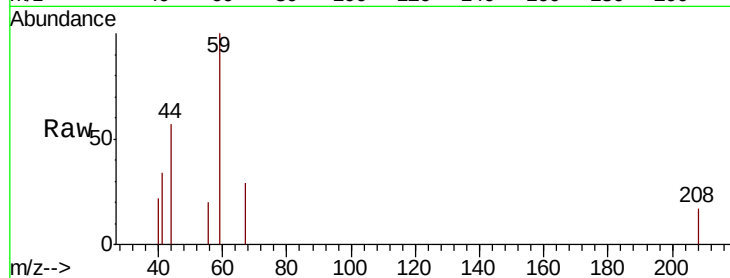
VY1030SBL01

Tot Ion: 59 Resp: 635

Ion Ratio Lower Upper

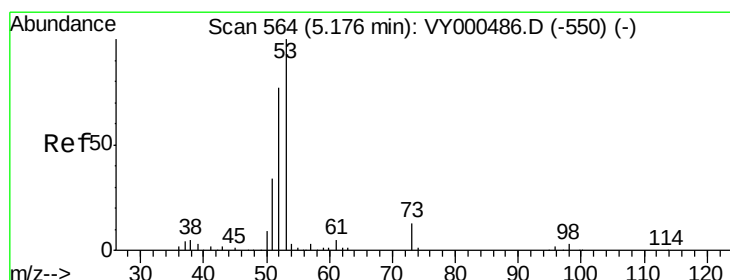
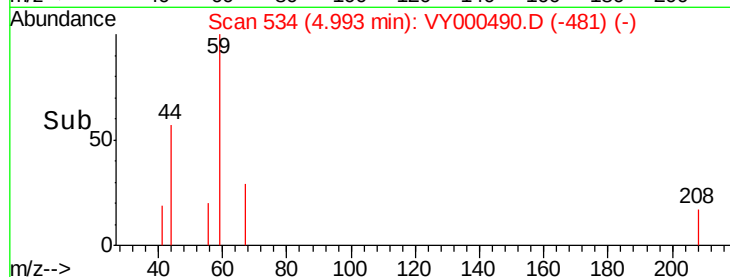
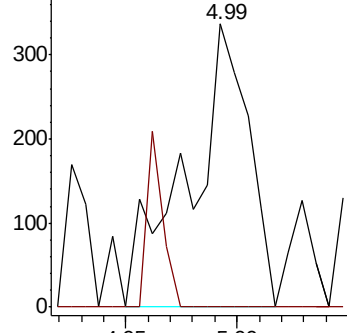
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#15

Acrylonitrile

Concen: 2.104 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

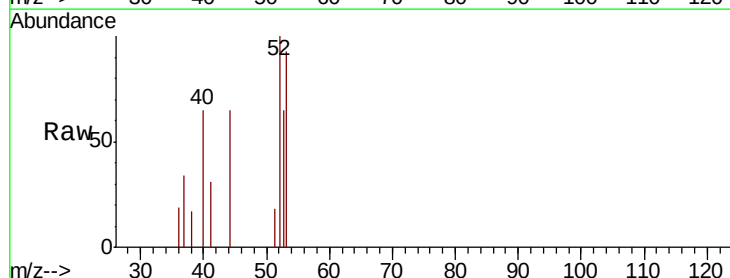
Tgt Ion: 53 Resp: 1485

Ion Ratio Lower Upper

53 100

52 64.0 64.9 97.3#

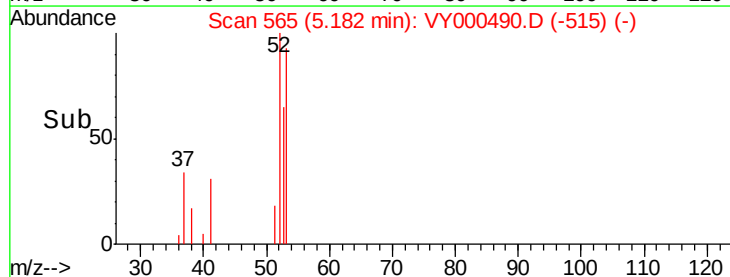
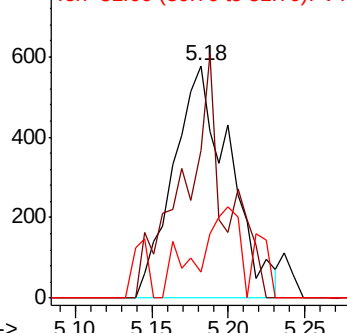
51 19.6 27.6 41.4#

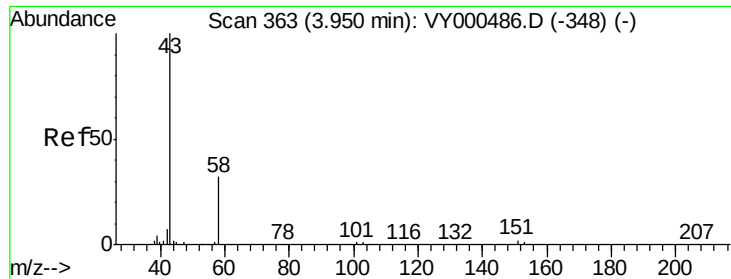


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 4.464 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

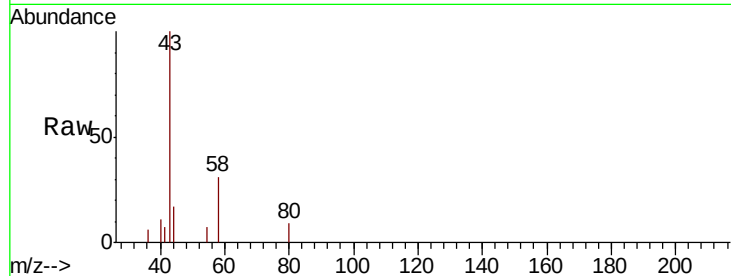
VY1030SBL01

Tot Ion: 43 Resp: 2903

Ion Ratio Lower Upper

43 100

58 30.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

1200

1000

800

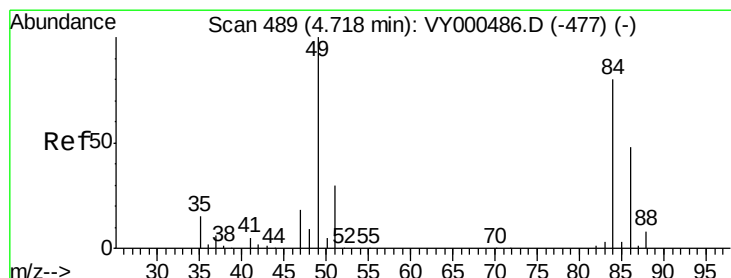
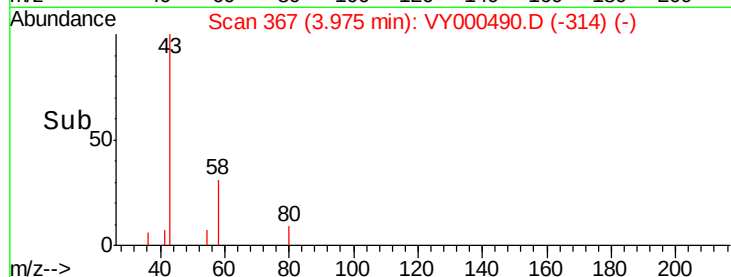
600

400

200

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 3.723 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

Tgt Ion: 84 Resp: 10375

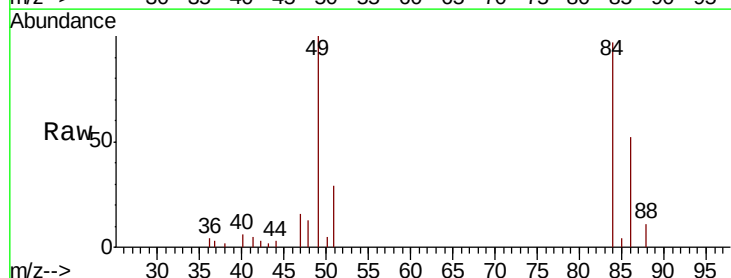
Ion Ratio Lower Upper

84 100

49 103.6 100.2 150.4

51 30.4 29.6 44.4

86 53.5 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

6000

5000

4000

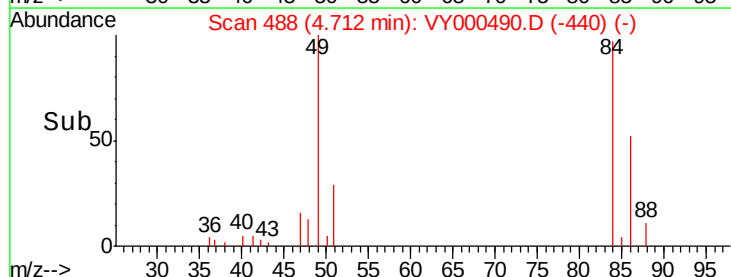
3000

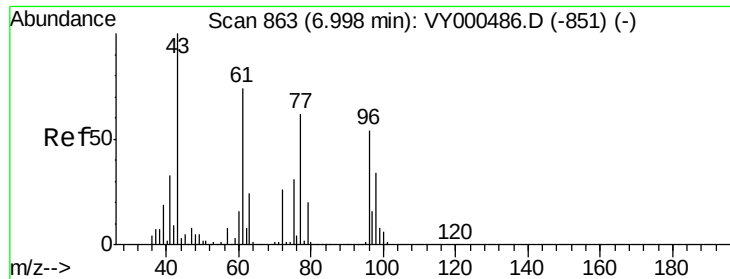
2000

1000

0

Time--> 4.60 4.70 4.80

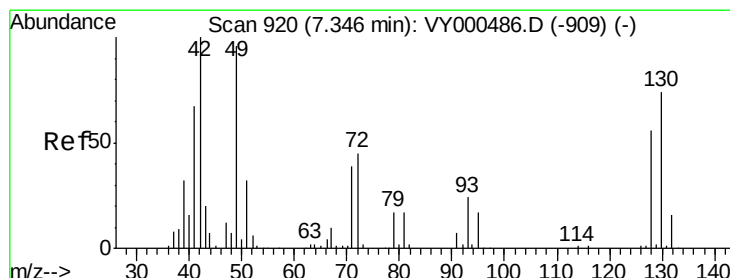
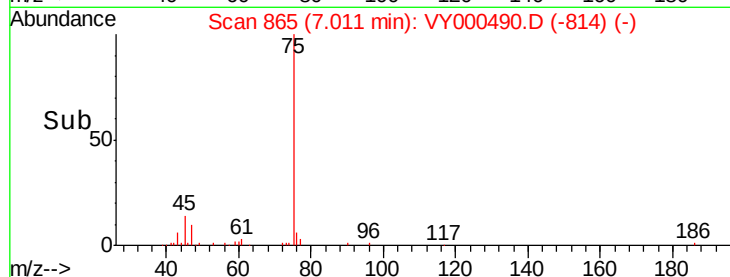
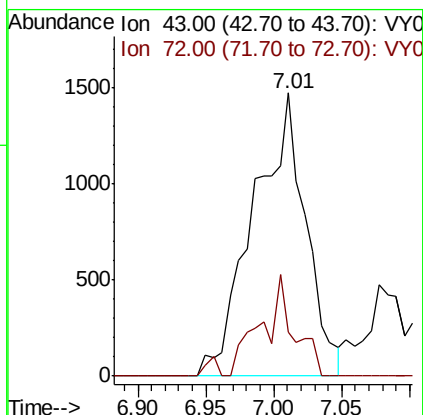
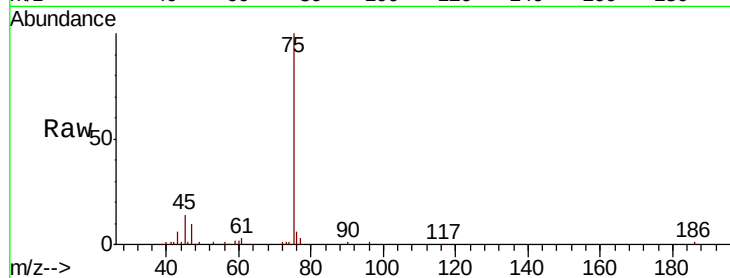




#25
2-Butanone
Concen: 3.802 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

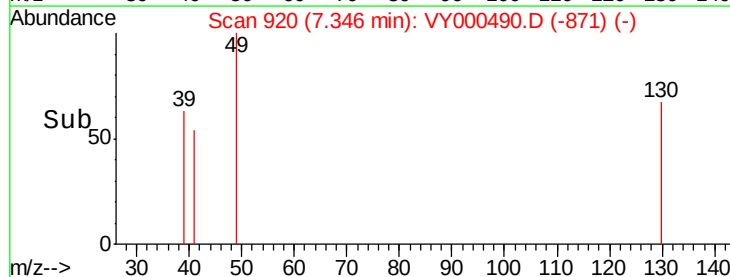
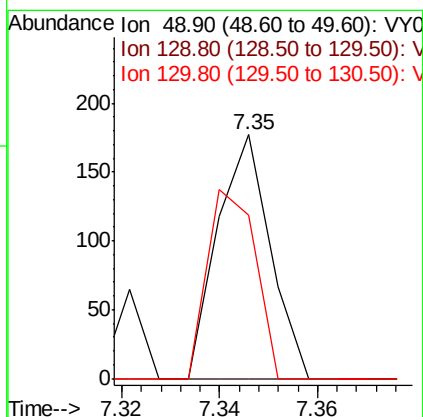
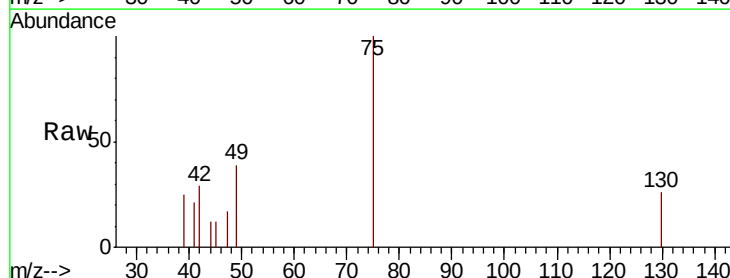
Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBL01

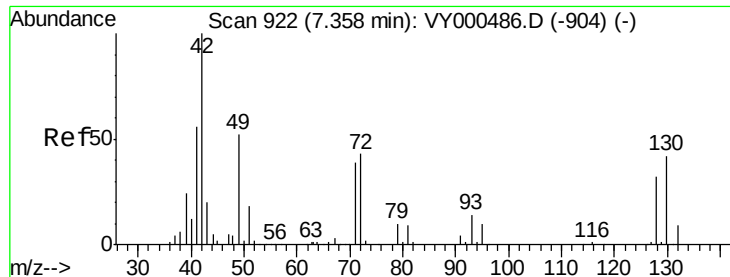
Tot Ion: 43 Resp: 3946
Ion Ratio Lower Upper
43 100
72 15.5 20.9 31.3#



#28
Bromochloromethane
Concen: 4.154 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

Tgt Ion: 49 Resp: 132
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 71.2 59.4 89.0





#29

Tetrahydrofuran

Concen: 1.258 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBL01

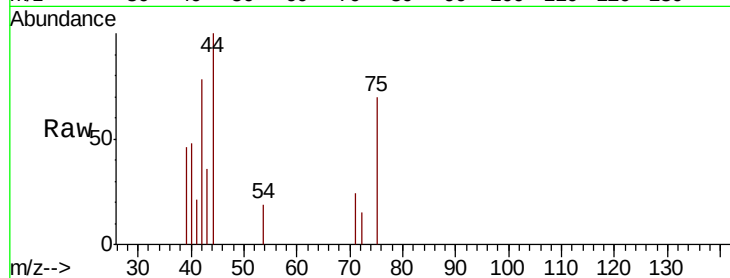
Tot Ion: 42 Resp: 799

Ion Ratio Lower Upper

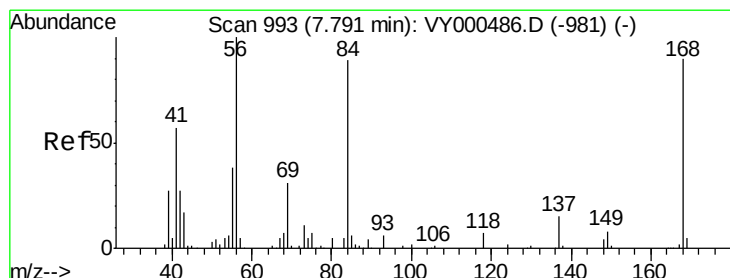
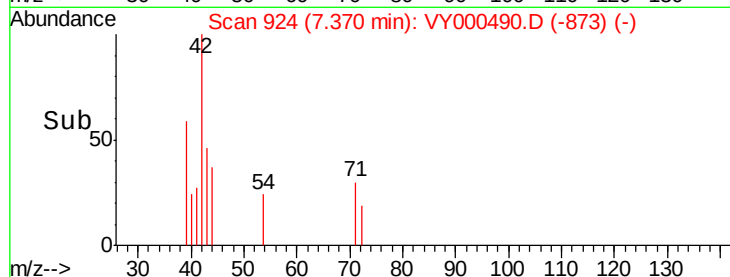
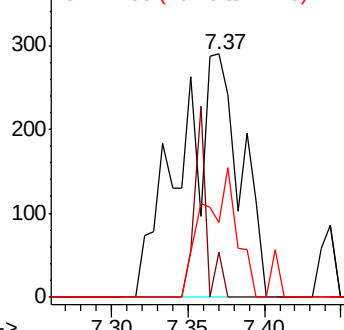
42 100

72 15.4 34.0 51.0#

71 28.8 30.8 46.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

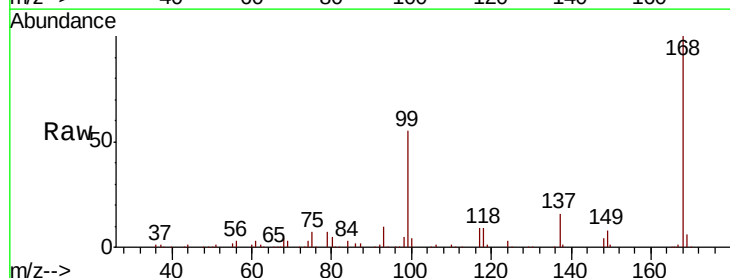
Tgt Ion: 56 Resp: 6036

Ion Ratio Lower Upper

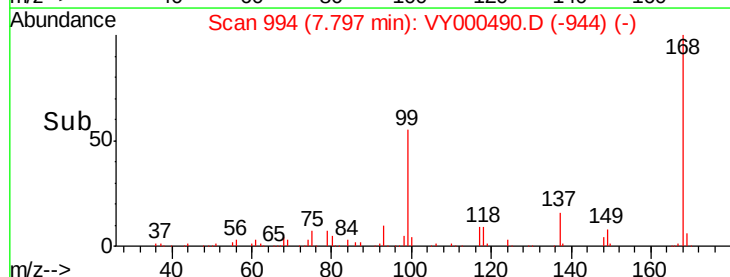
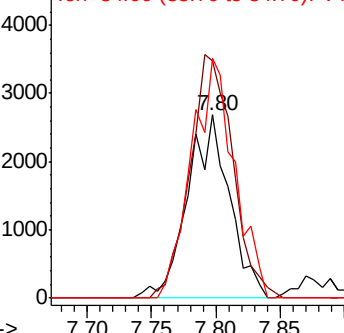
56 100

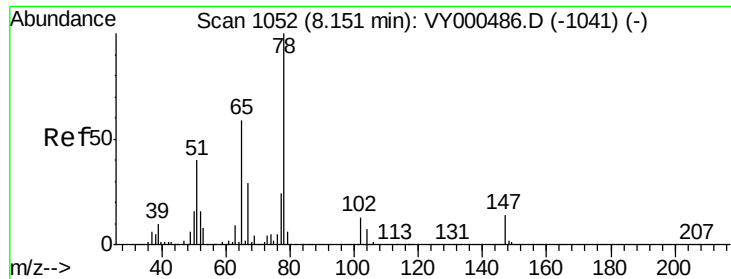
69 129.8 25.0 37.6#

84 131.0 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

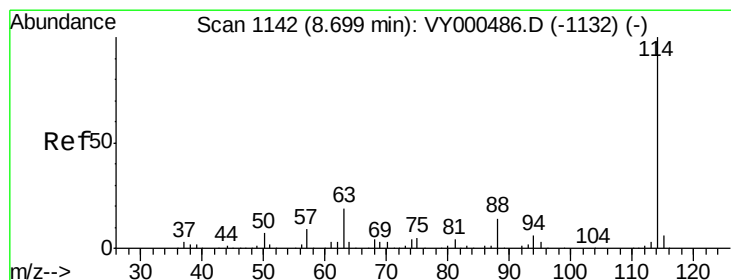
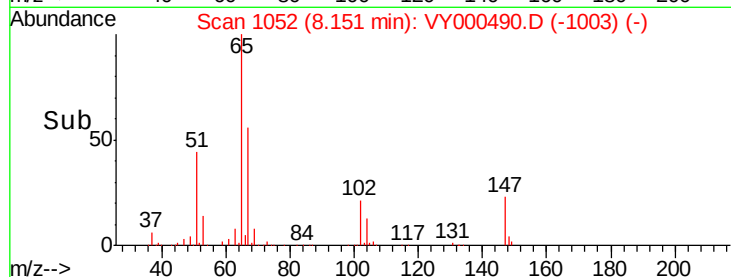
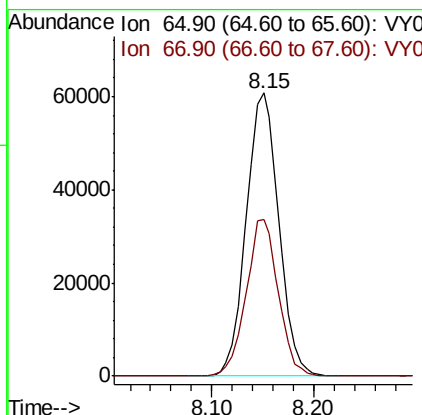
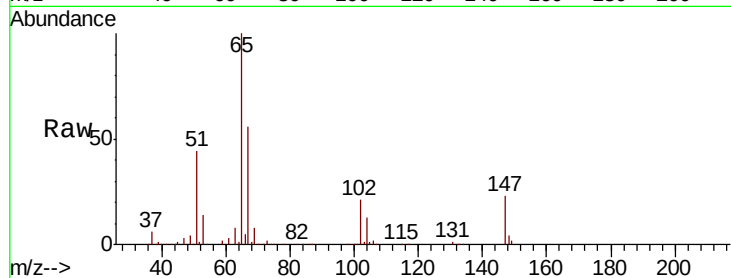




#33
 1,2-Dichloroethane-d4
 Concen: 57.351 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000490.D
 Acq: 30 Oct 2019 14:00

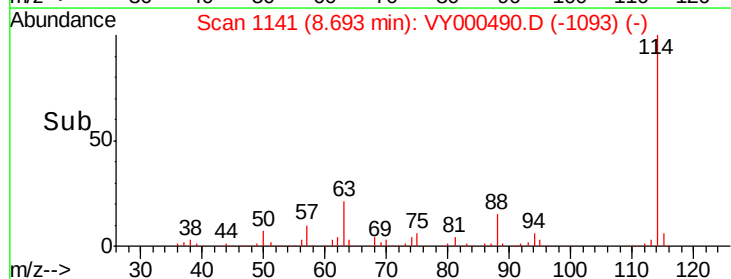
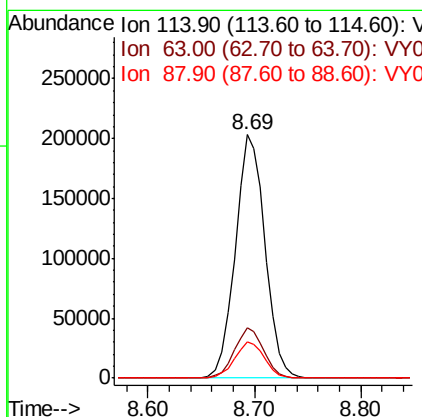
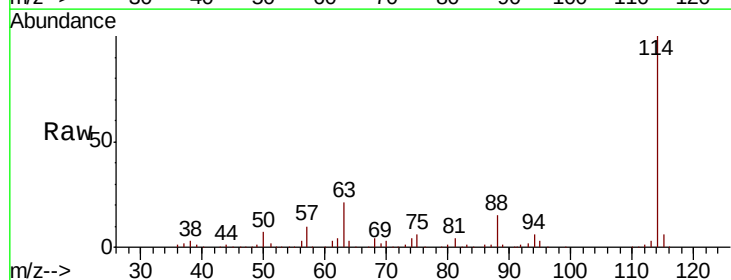
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBL01

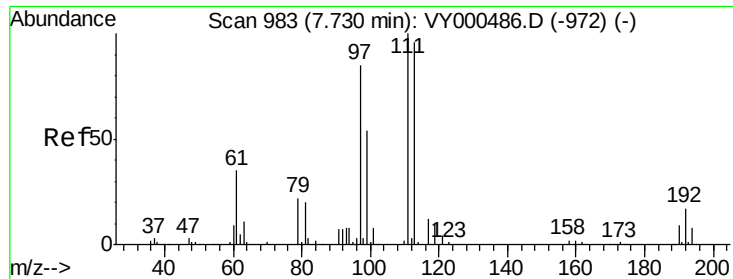
Tot Ion: 65 Resp: 135325
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000490.D
 Acq: 30 Oct 2019 14:00

Tgt Ion: 114 Resp: 395987
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.0
 88 15.1 0.0 28.6

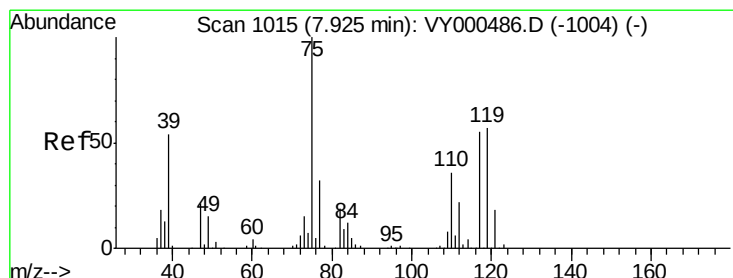
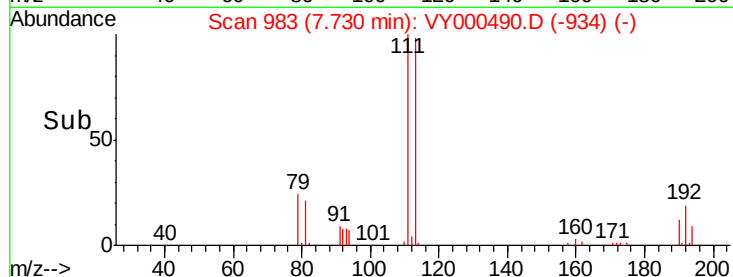
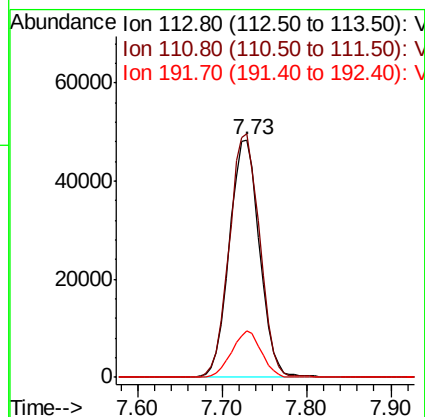
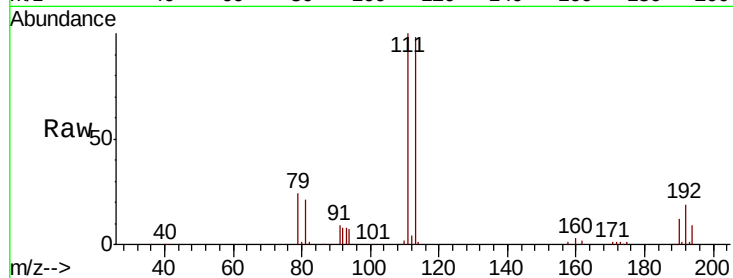




#35
 Dibromofluoromethane
 Concen: 50.465 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000490.D
 Acq: 30 Oct 2019 14:00

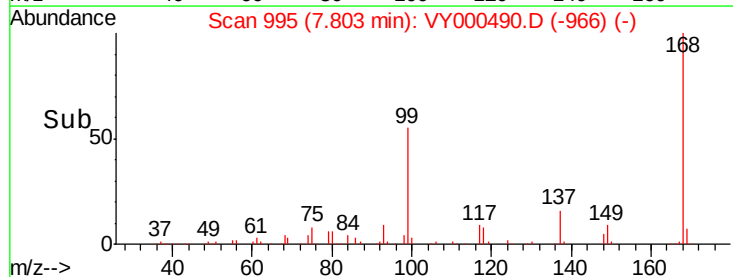
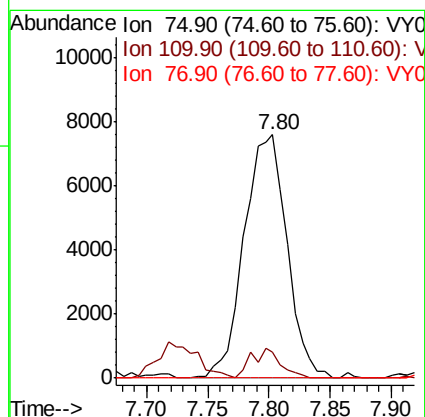
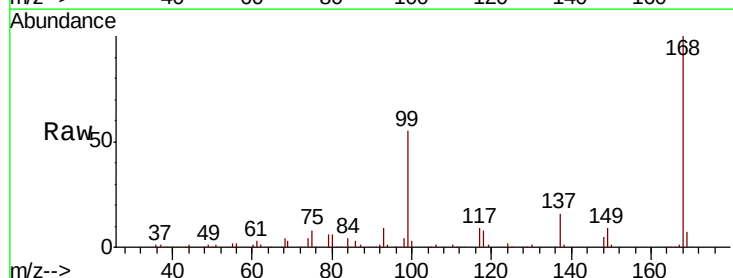
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBL01

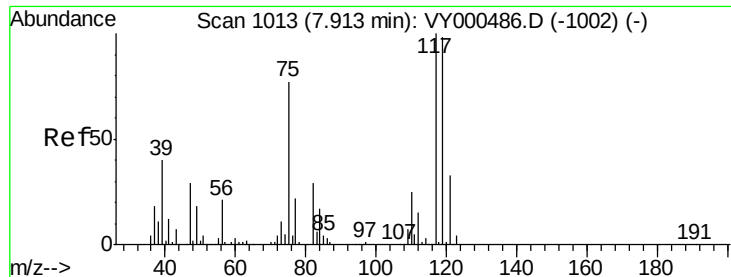
Tot Ion:113 Resp: 117317
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 19.2 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000490.D
 Acq: 30 Oct 2019 14:00

Tgt Ion: 75 Resp: 18507
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.948 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBL01

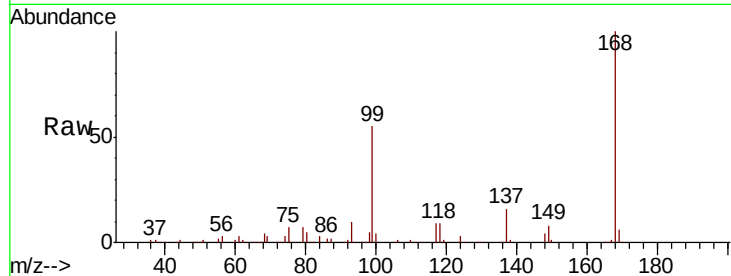
Tot Ion:117 Resp: 21426

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

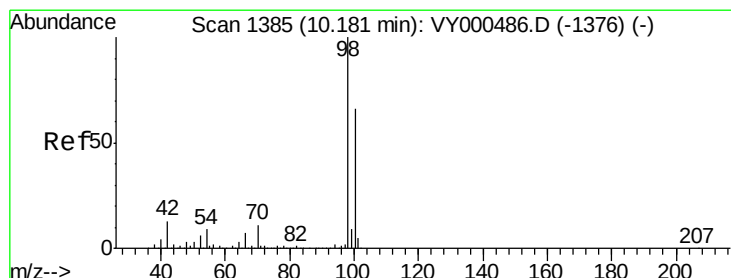
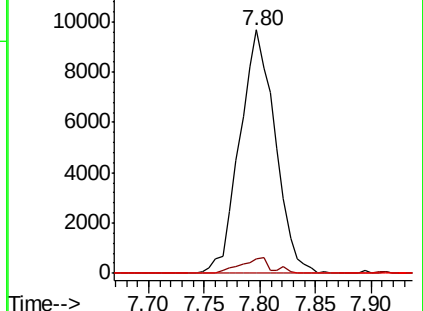
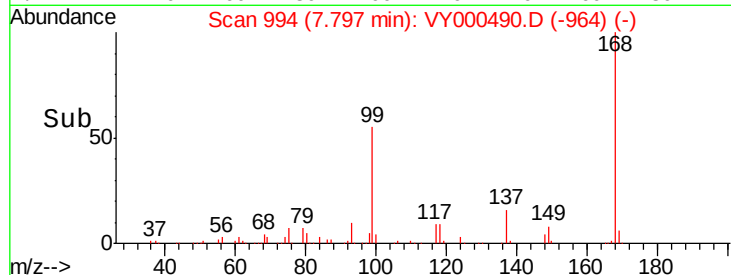
121 0.0 26.6 40.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.500 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000490.D

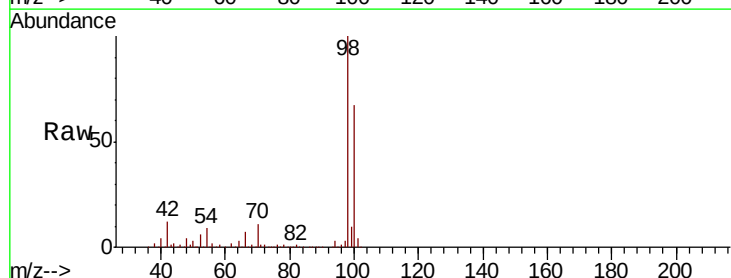
Acq: 30 Oct 2019 14:00

Tgt Ion: 98 Resp: 463105

Ion Ratio Lower Upper

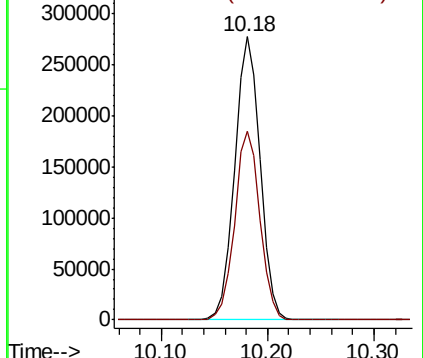
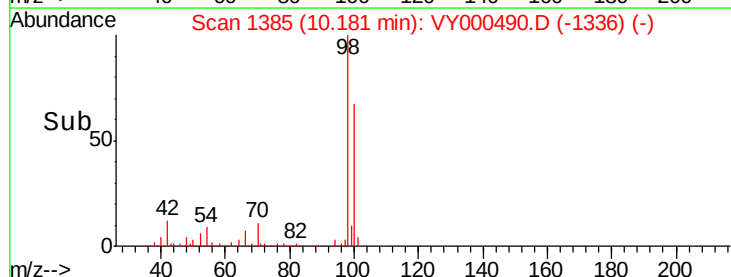
98 100

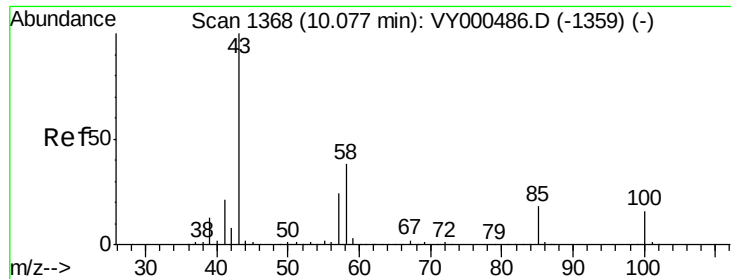
100 66.3 52.9 79.3



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: 2.502 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

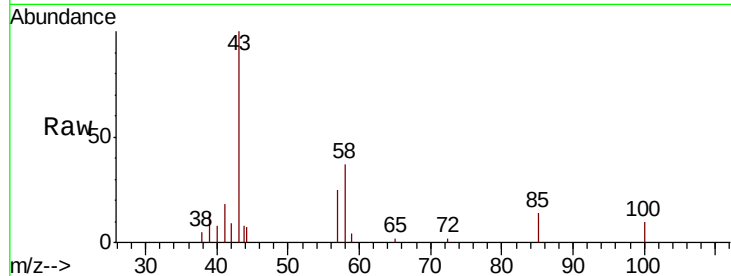
VY1030SBL01

Tot Ion: 43 Resp: 5554

Ion Ratio Lower Upper

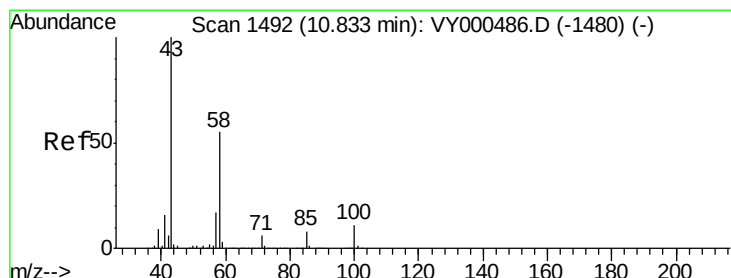
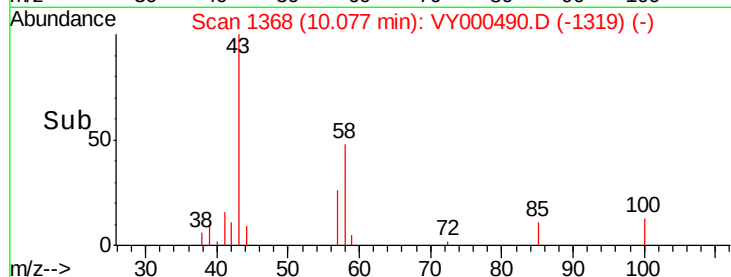
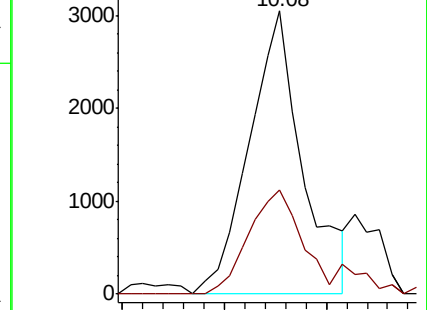
43 100

58 36.3 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1359) (-)



#59

2-Hexanone

Concen: 3.113 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000490.D

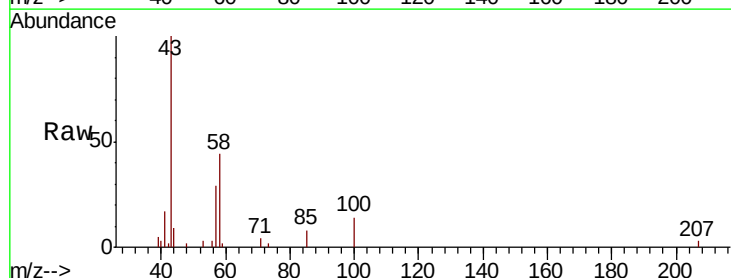
Acq: 30 Oct 2019 14:00

Tgt Ion: 43 Resp: 5035

Ion Ratio Lower Upper

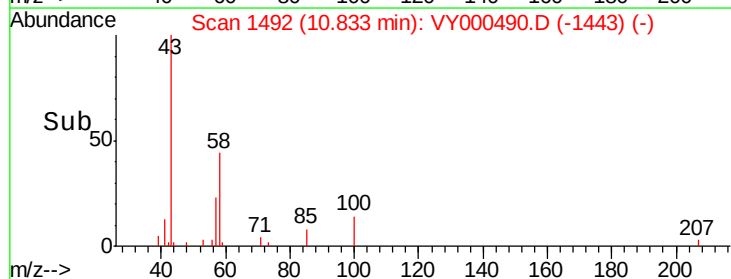
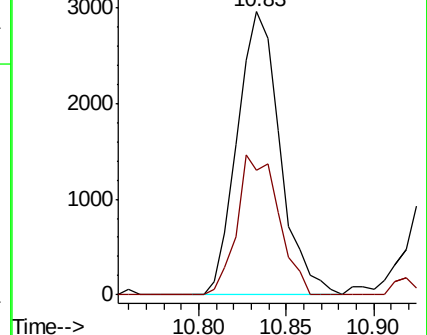
43 100

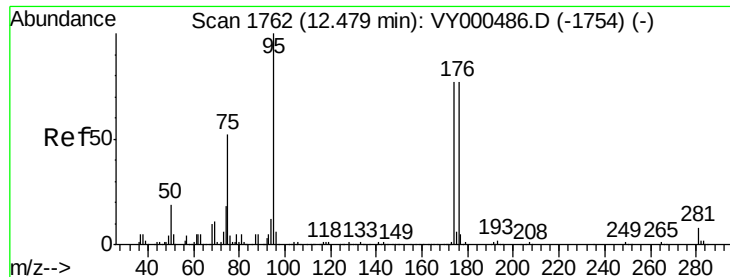
58 47.9 27.1 81.3



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

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

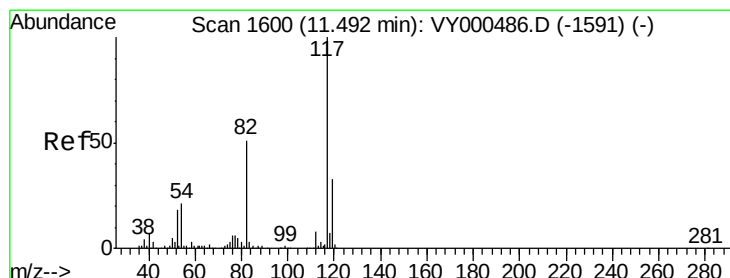
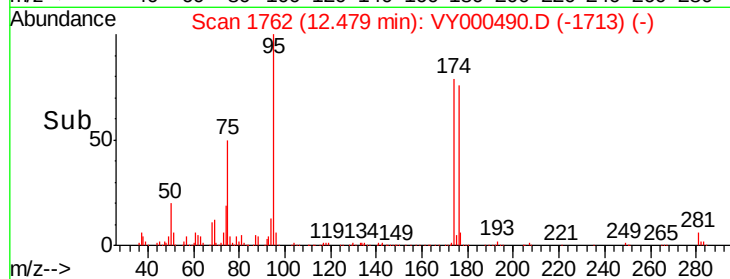
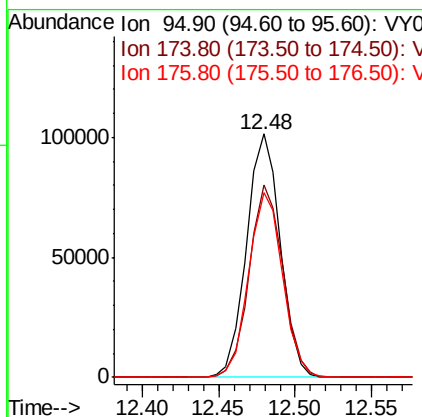
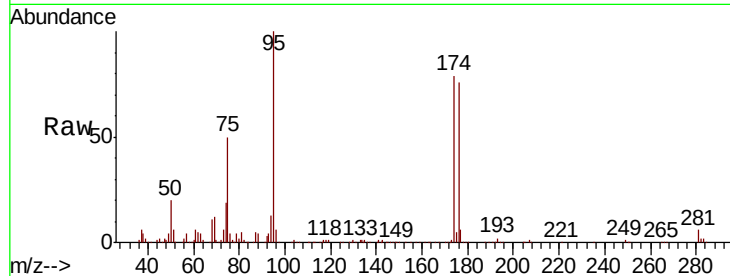




#62
4-Bromofluorobenzene
Concen: 46.254 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

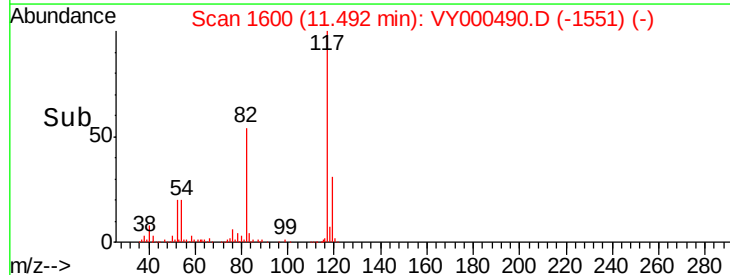
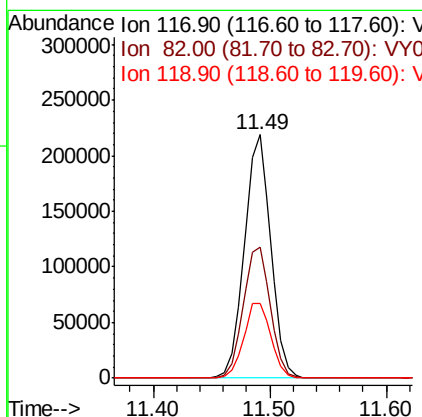
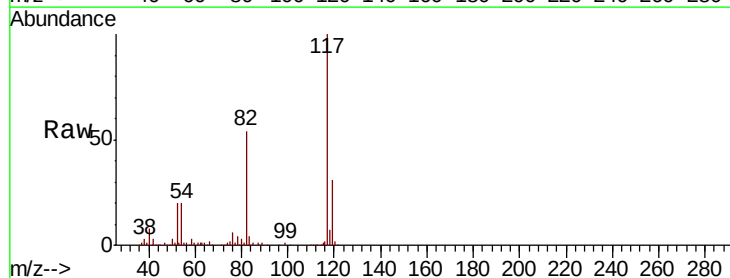
Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBL01

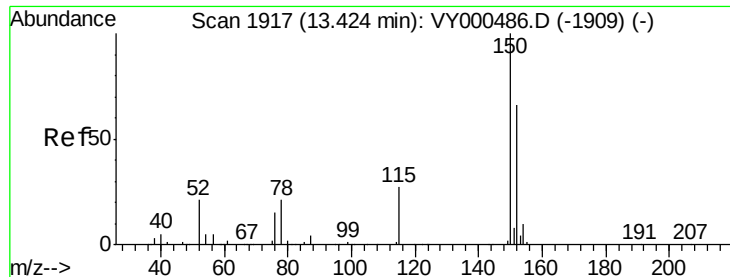
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	161.6
176	76.5	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	40.8	61.2
119	30.9	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: VY000490.D

Acq: 30 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBL01

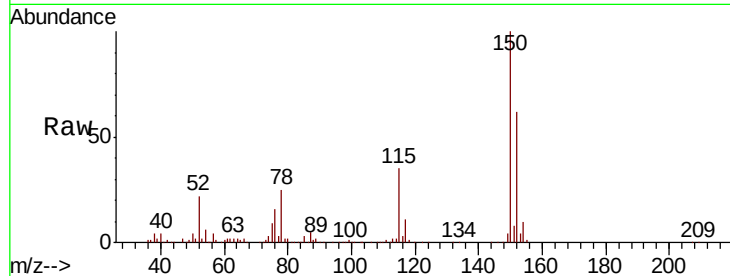
Tot Ion:152 Resp: 154112

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.4

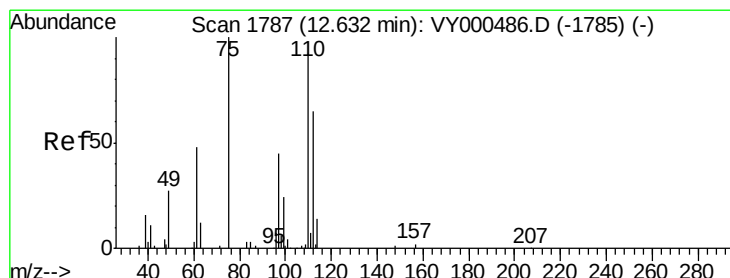
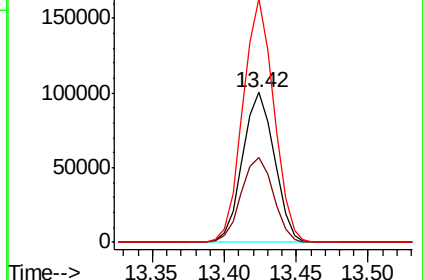
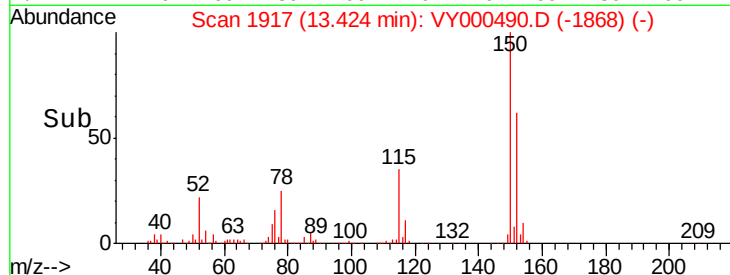
150 157.7 0.0 348.8



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: 46.626 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000490.D

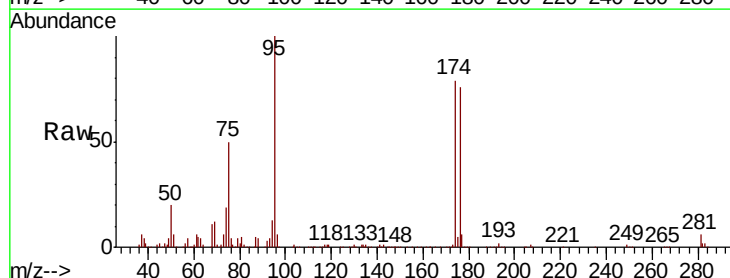
Acq: 30 Oct 2019 14:00

Tgt Ion: 75 Resp: 81818

Ion Ratio Lower Upper

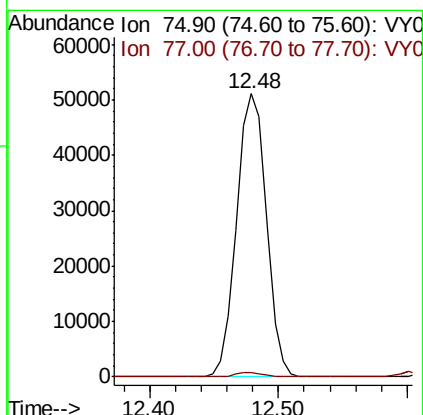
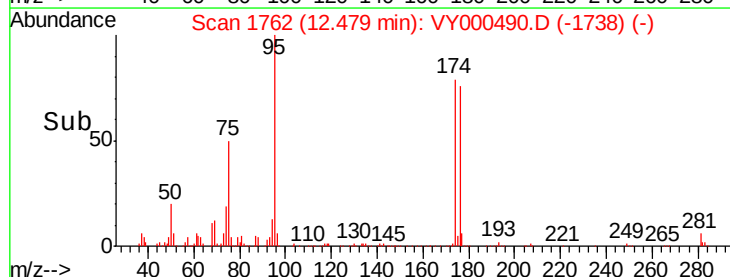
75 100

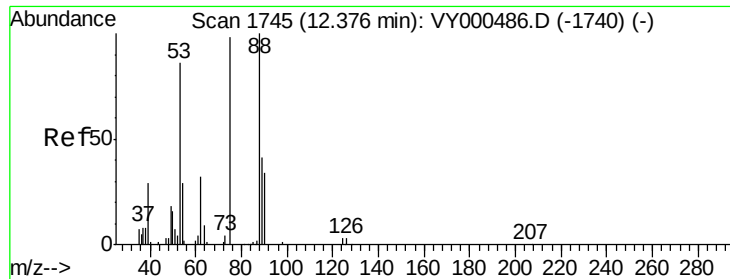
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

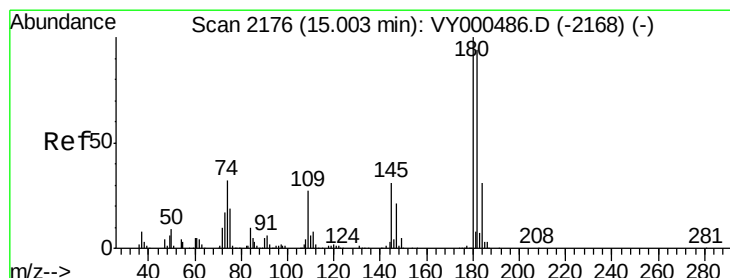
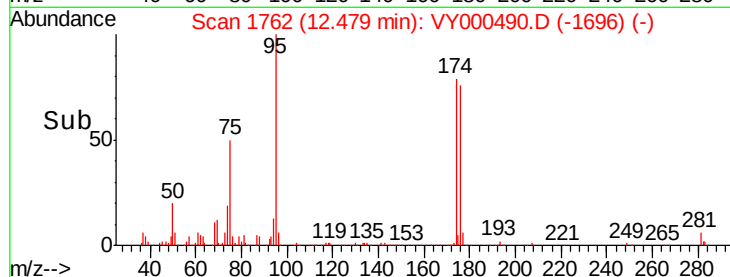
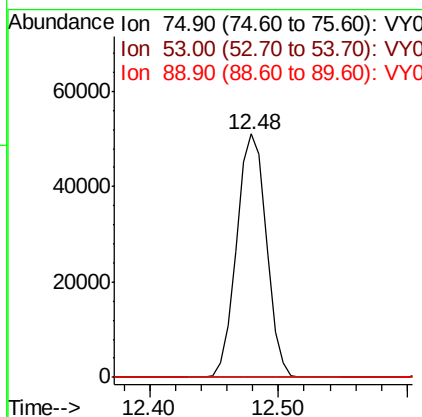
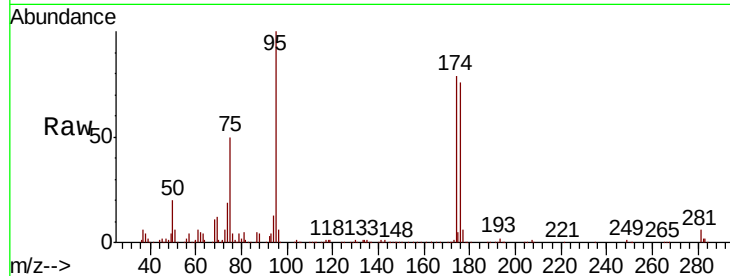




#81
trans-1,4-Dichloro-2-butene
Concen: 104.541 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

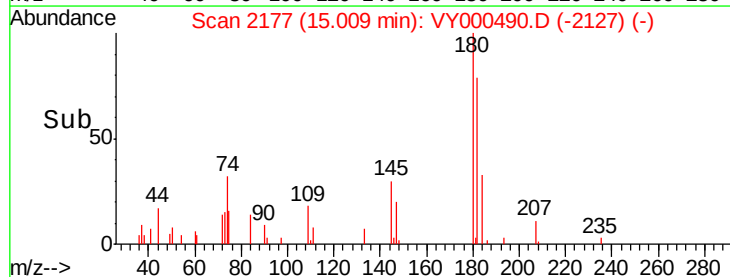
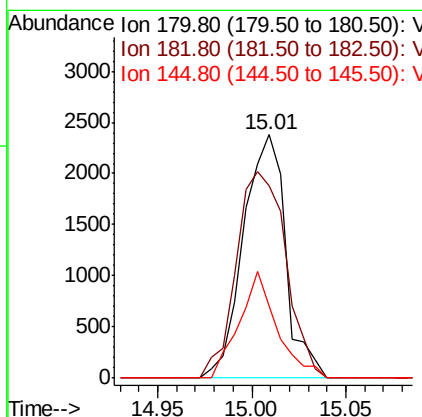
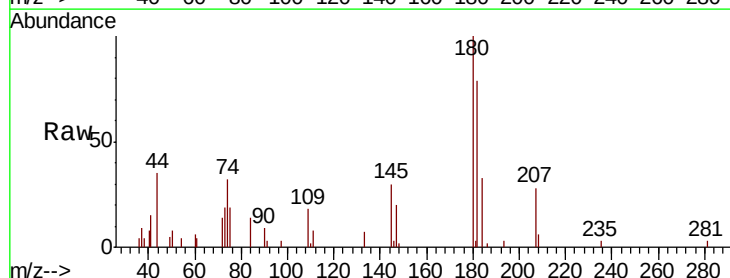
Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBL01

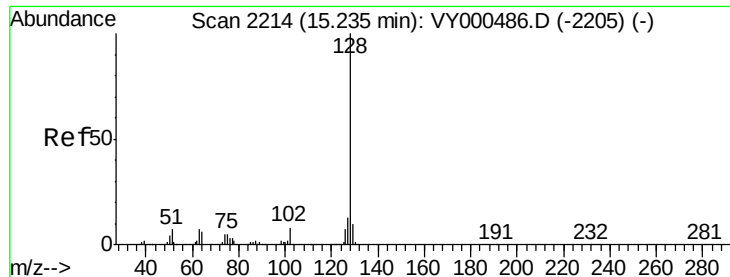
Tot Ion: 75 Resp: 81818
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.1 35.9 53.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.181 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. 0.01 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

Tgt Ion:180 Resp: 3692
Ion Ratio Lower Upper
180 100
182 99.9 47.8 143.4
145 39.4 16.0 47.9

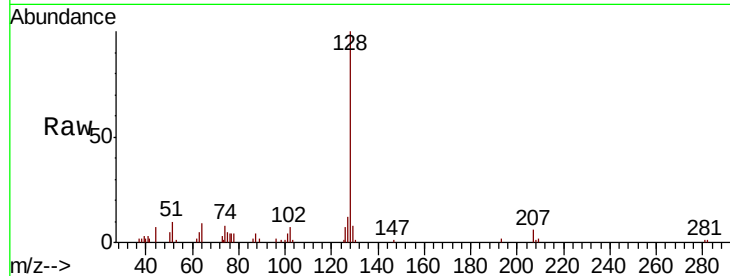




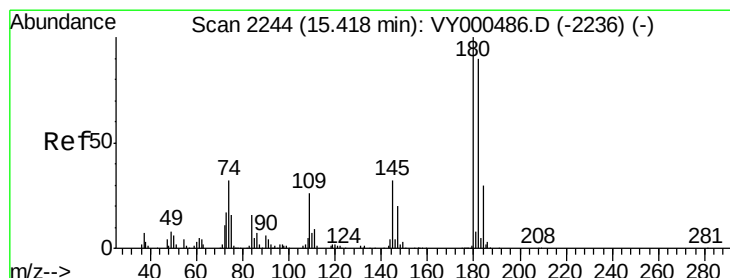
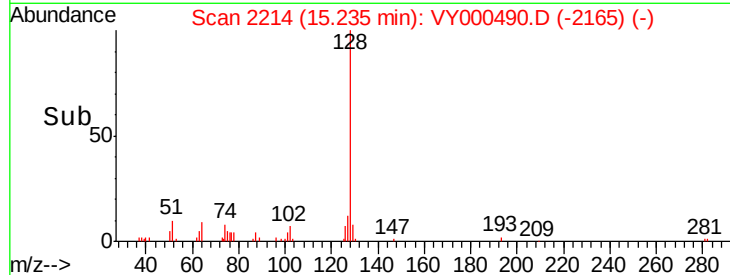
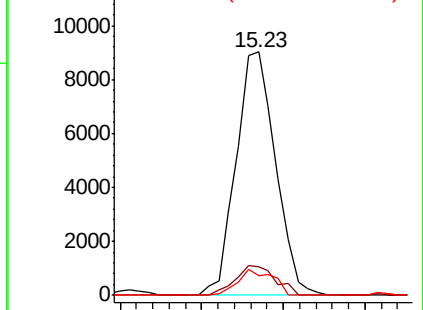
#95
Naphthalene
Concen: 2.190 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBL01

Tot Ion:128 Resp: 15198
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 9.2 8.7 13.1

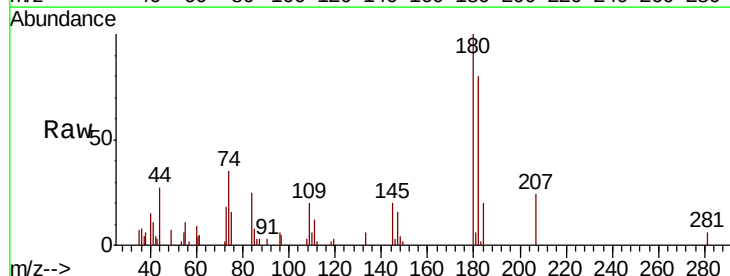


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.489 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000490.D
Acq: 30 Oct 2019 14:00

Tgt Ion:180 Resp: 4176
Ion Ratio Lower Upper
180 100
182 91.3 47.4 142.3
145 33.3 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

