

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000071.D
 Acq On : 19 Sep 2019 12:42
 Operator : SY/MD
 Sample : VY0919SBL01
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBL01

Quant Time: Sep 20 01:53:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

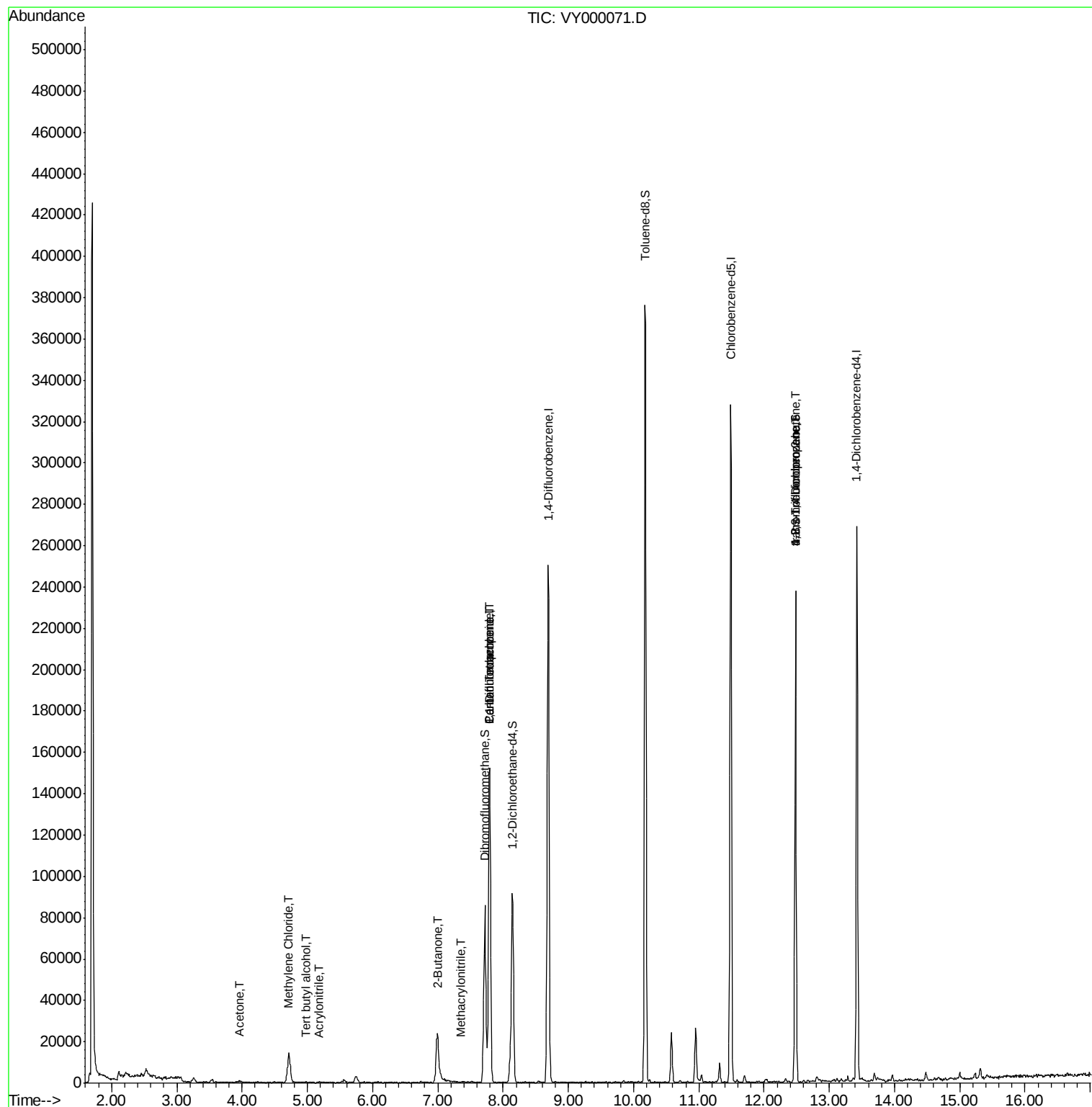
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	113781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	217848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	176587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	64996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	62796	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.94%	
35) Dibromofluoromethane	7.72	113	60973	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
50) Toluene-d8	10.18	98	245466	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.48	95	76481	39.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	88	Below Cal	#	42
3) Chloromethane	2.11	50	2556	Below Cal		99
5) Bromomethane	2.63	94	103	Below Cal	#	6
11) Tert butyl alcohol	4.98	59	264	1.701 ug/l	#	73
13) Acrolein	3.71	56	40	Below Cal	#	13
15) Acrylonitrile	5.17	53	559	1.240 ug/l	#	40
16) Acetone	3.96	43	1285	4.216 ug/l	#	77
20) Methylene Chloride	4.71	84	10186	7.104 ug/l		98
25) 2-Butanone	7.00	43	1463	2.650 ug/l	#	70
31) Cyclohexane	7.79	56	3154	Below Cal	#	30
36) 1,1-Dichloropropene	7.79	75	10028	6.156 ug/l	#	49
38) Carbon Tetrachloride	7.79	117	11688	7.603 ug/l	#	18
41) Methacrylonitrile	7.35	41	67	4.381 ug/l	#	1
76) 1,2,3-Trichloropropane	12.48	75	40011	43.752 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.48	75	40011	84.147 ug/l	#	19

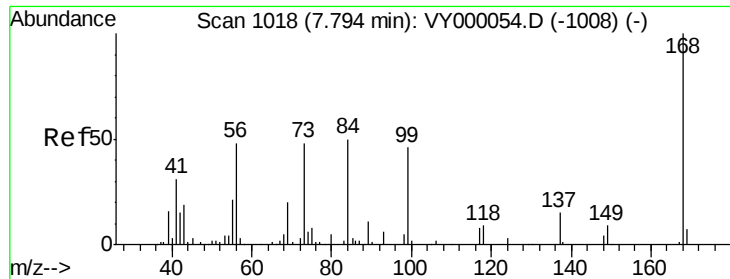
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

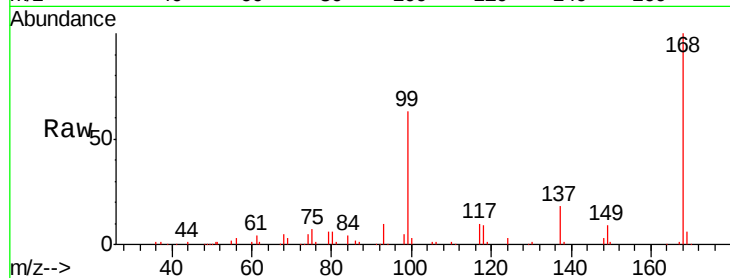
VY0919SBL01

Tgt Ion:168 Resp: 113781

Ion Ratio Lower Upper

168 100

99 62.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000071.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000071.D (-969) (-)

7.79

50000

40000

30000

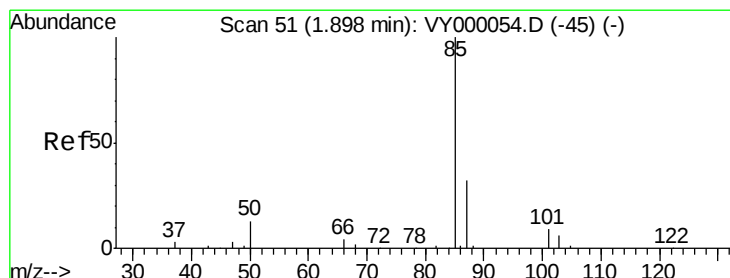
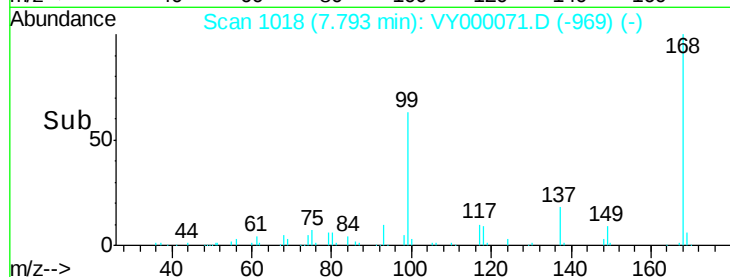
20000

10000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 52

Delta R.T. 0.01 min

Lab File: VY000071.D

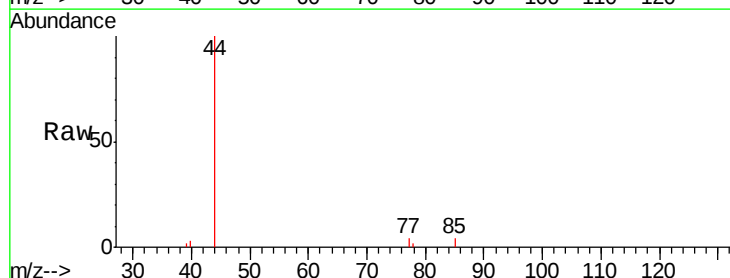
Acq: 19 Sep 2019 12:42

Tgt Ion: 85 Resp: 88

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000071.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000071.D (-2) (-)

1.90

150

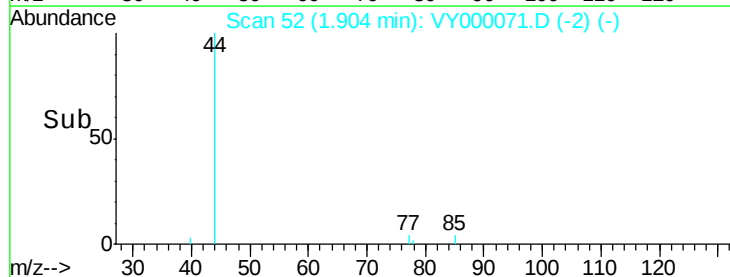
100

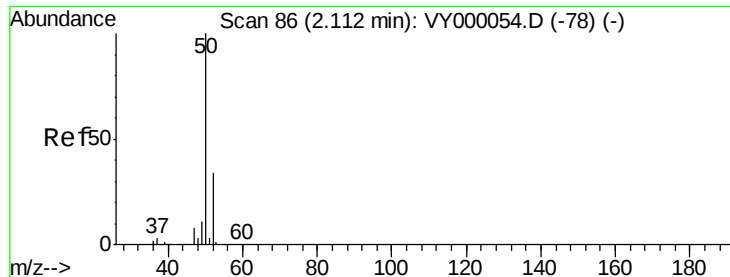
50

0

Time-->

1.88 1.90 1.92





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

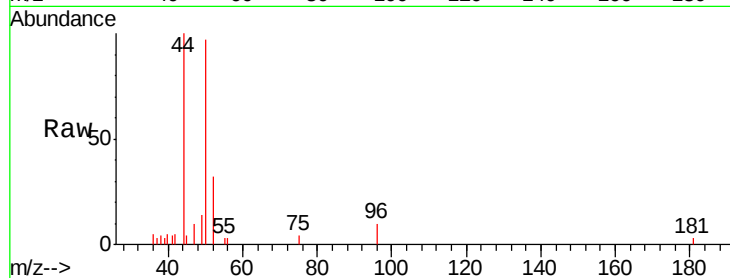
VY0919SBL01

Tgt Ion: 50 Resp: 2556

Ion Ratio Lower Upper

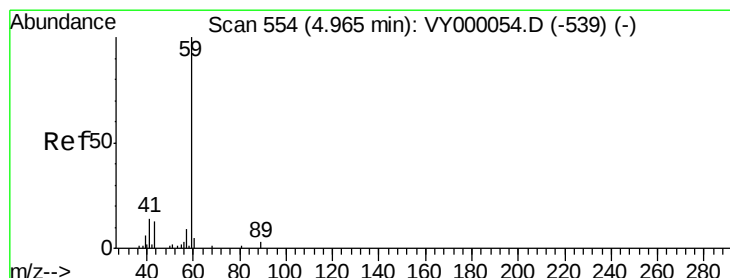
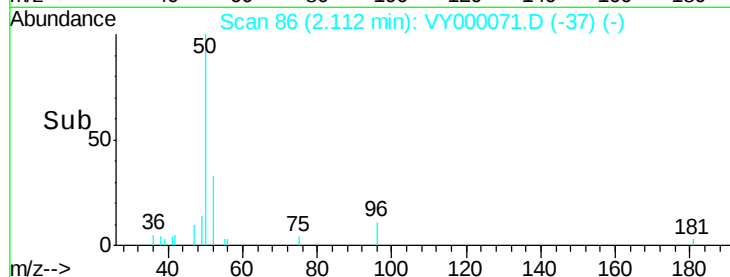
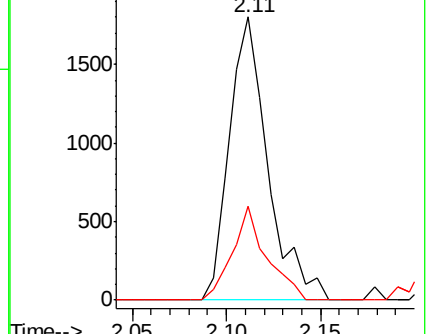
50 100

52 33.2 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 1.701 ug/l

RT: 4.98 min Scan# 557

Delta R.T. 0.02 min

Lab File: VY000071.D

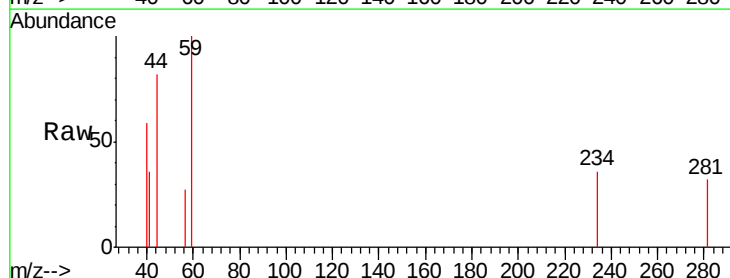
Acq: 19 Sep 2019 12:42

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

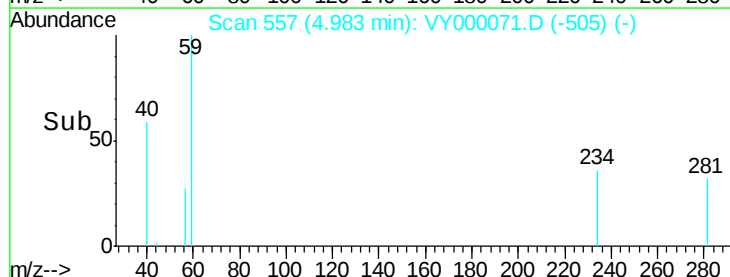
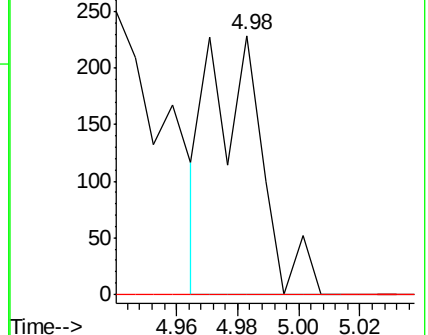
59 100

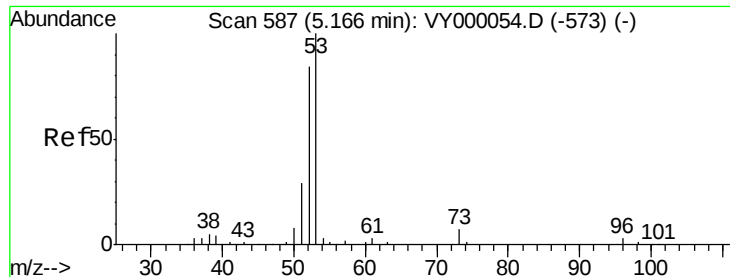
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#15

Acrylonitrile

Concen: 1.240 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBL01

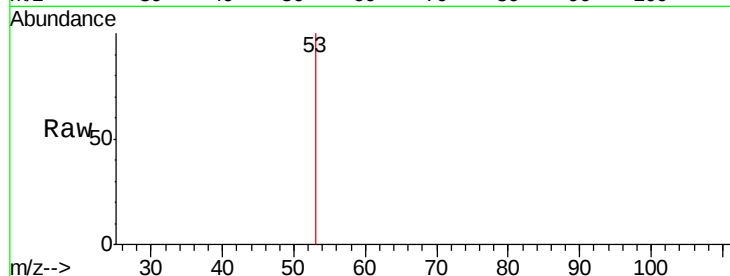
Tgt Ion: 53 Resp: 559

Ion Ratio Lower Upper

53 100

52 27.5 64.7 97.1#

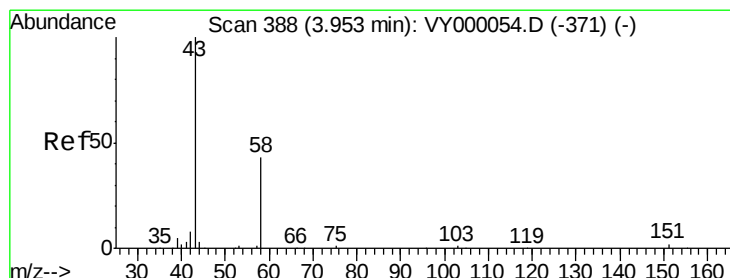
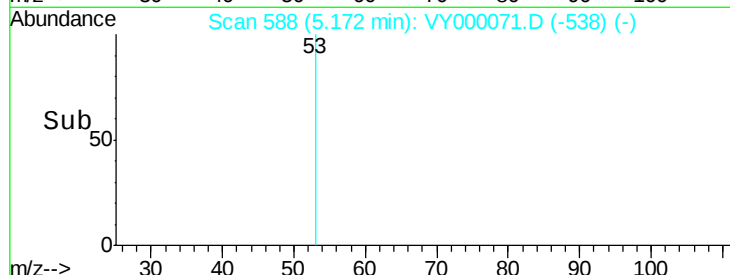
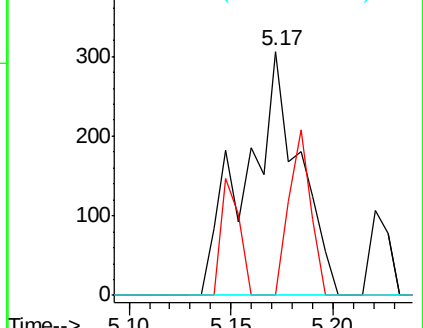
51 0.0 26.7 40.1#



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: 4.216 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000071.D

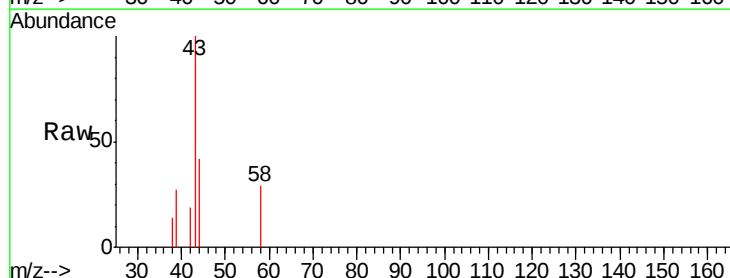
Acq: 19 Sep 2019 12:42

Tgt Ion: 43 Resp: 1285

Ion Ratio Lower Upper

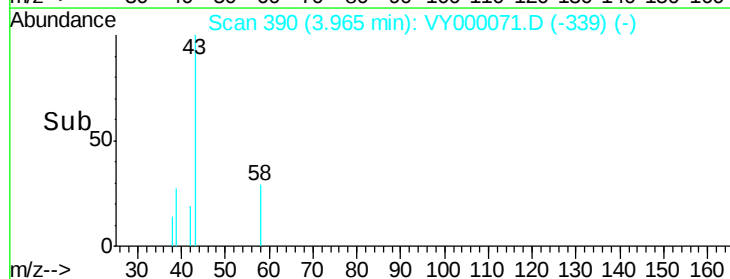
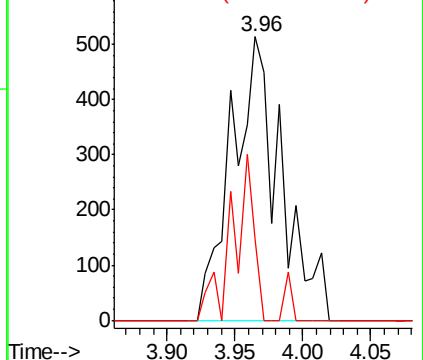
43 100

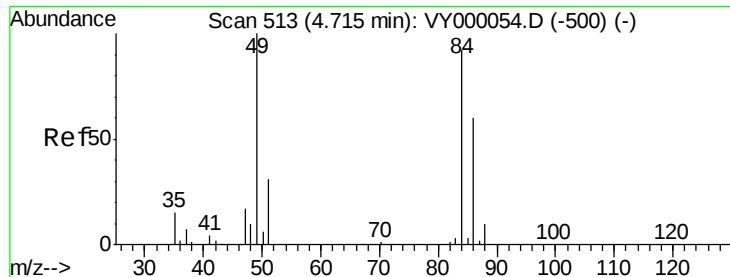
58 28.6 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

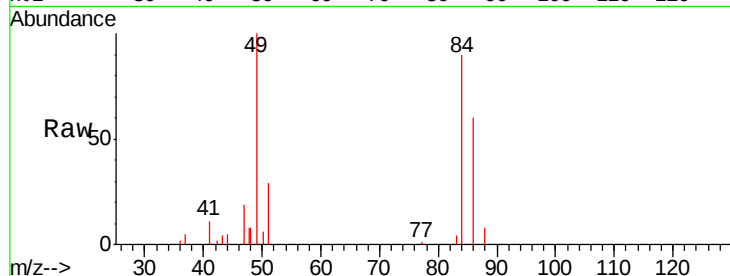




#20
Methylene Chloride
Concen: 7.104 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

Tgt Ion:	84	Resp:	10186
Ion	Ratio	Lower	Upper
84	100		
49	111.5	87.4	131.0
51	32.1	27.2	40.8
86	66.5	52.8	79.2



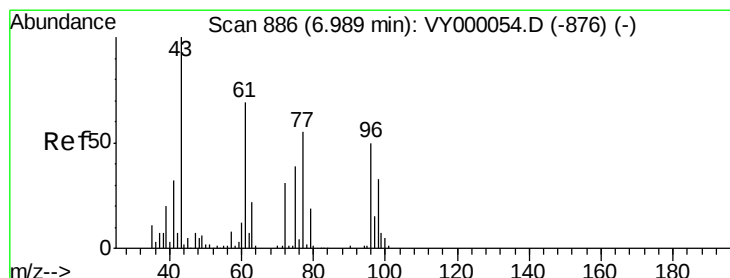
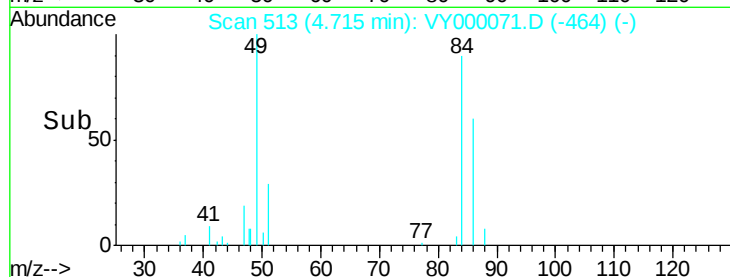
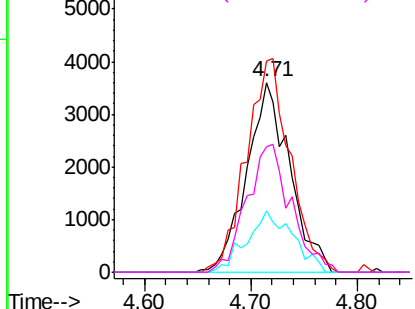
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

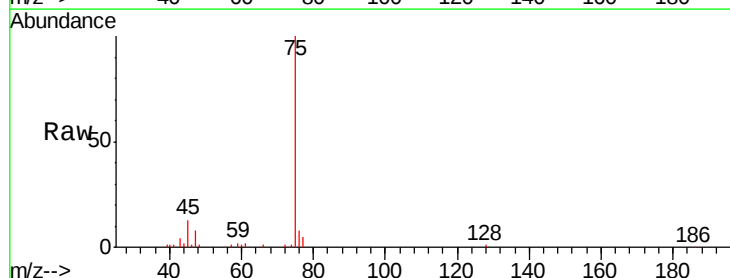
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 2.650 ug/l
RT: 7.00 min Scan# 888
Delta R.T. 0.01 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

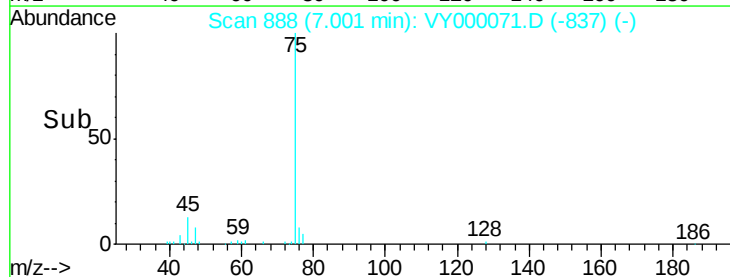
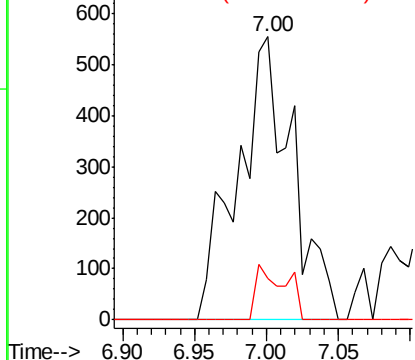
Tgt Ion:	43	Resp:	1463
Ion	Ratio	Lower	Upper
43	100		
72	14.4	24.7	37.1#

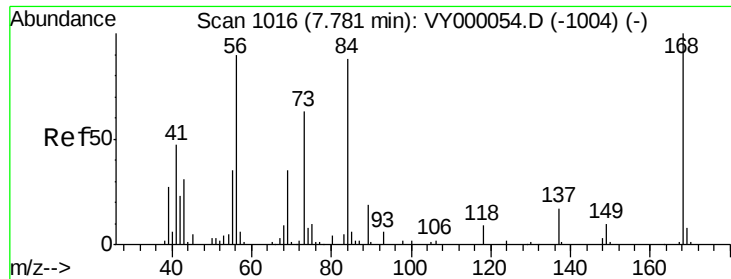


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

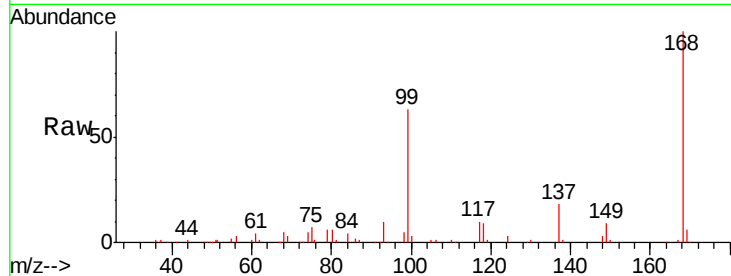




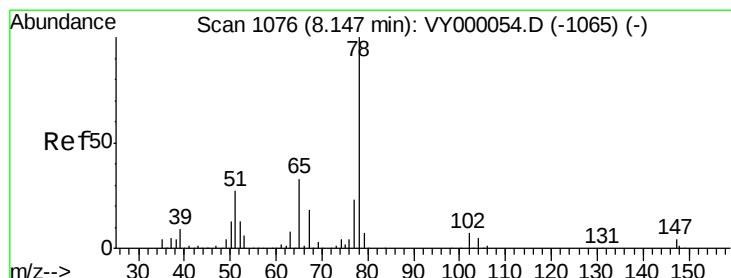
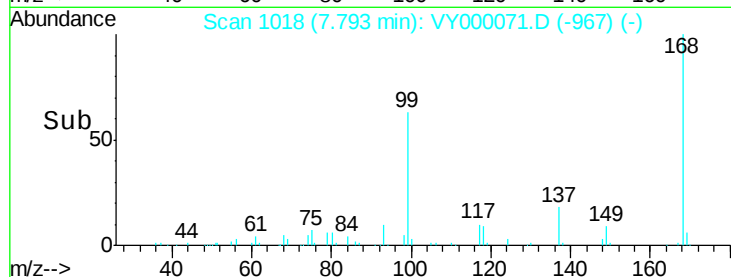
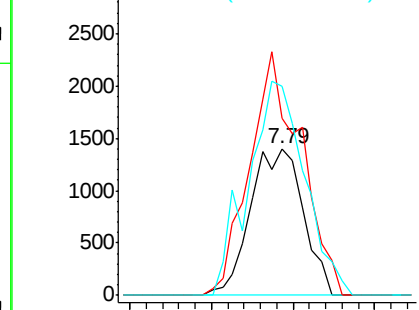
#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

Tgt Ion: 56 Resp: 3154
Ion Ratio Lower Upper
56 100
69 120.7 30.9 46.3#
84 142.6 78.5 117.7#

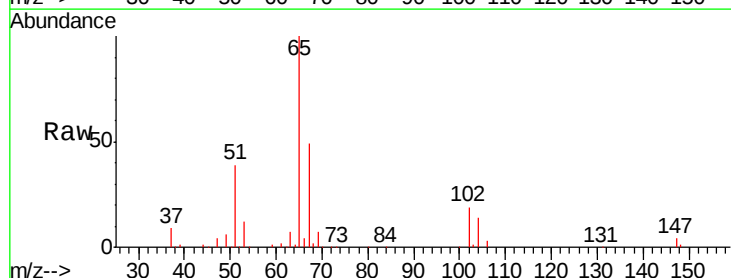


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

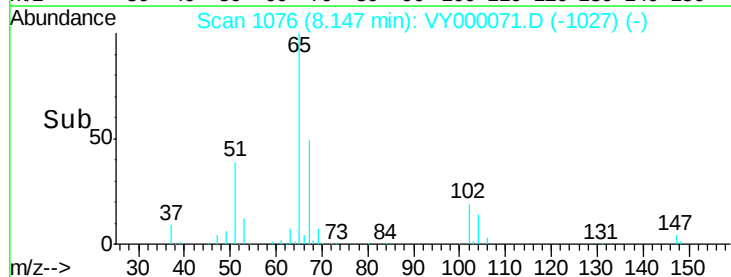
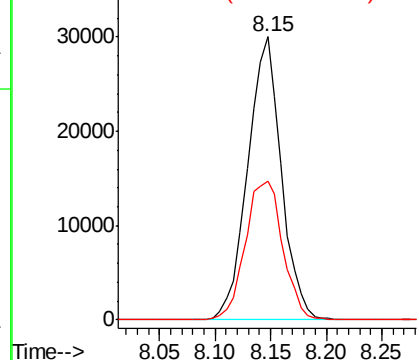


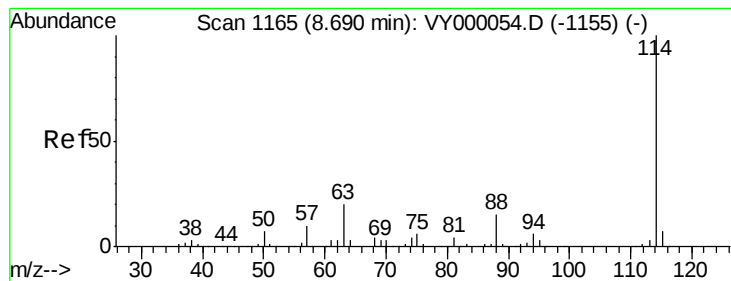
#33
1,2-Dichloroethane-d4
Concen: 47.970 ug/l
RT: 8.15 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

Tgt Ion: 65 Resp: 62796
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.0



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# 1165

Delta R.T. -0.00 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBL01

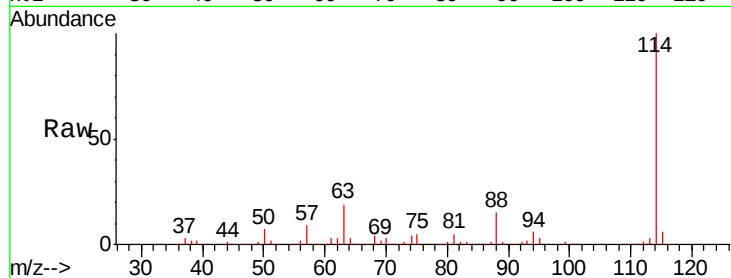
Tgt Ion:114 Resp: 217848

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

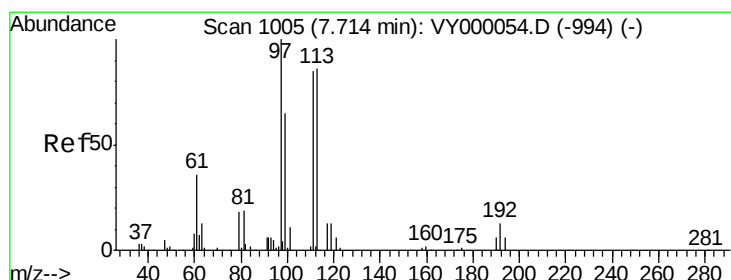
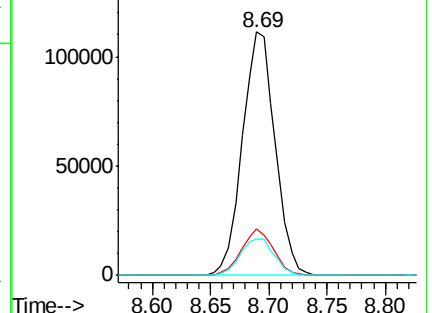
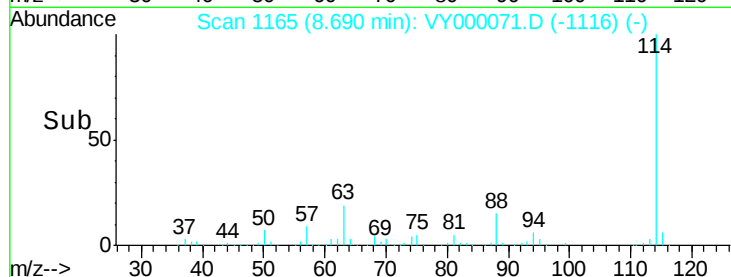
88 14.7 0.0 30.2



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: 46.226 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

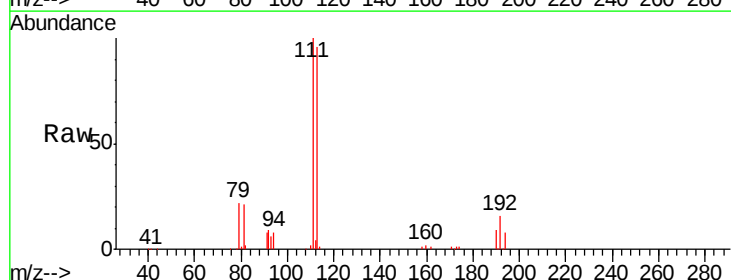
Tgt Ion:113 Resp: 60973

Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

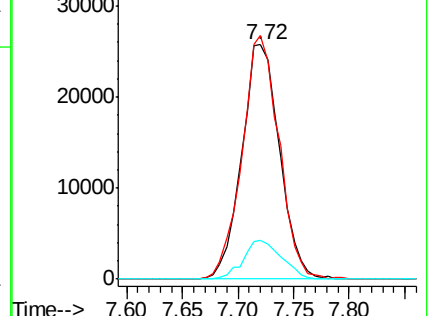
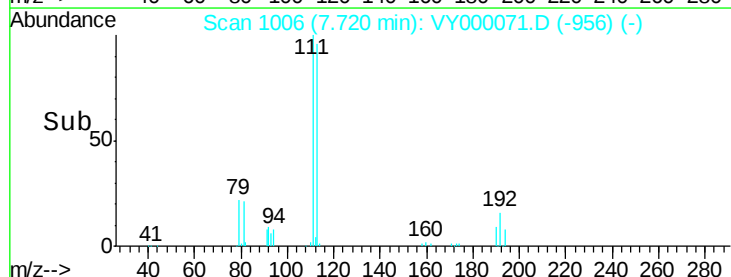
192 16.9 13.4 20.2

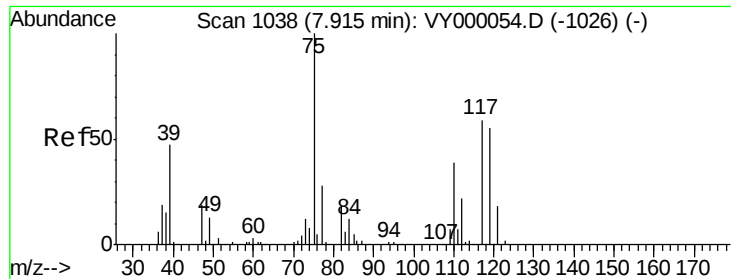


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

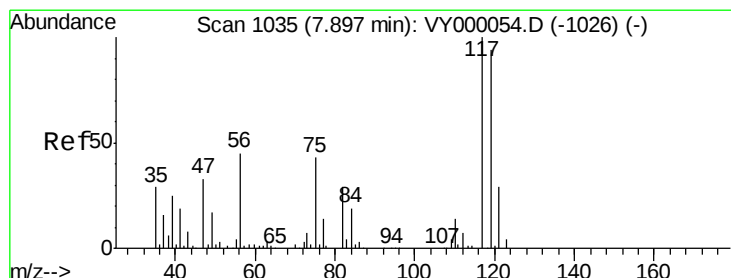
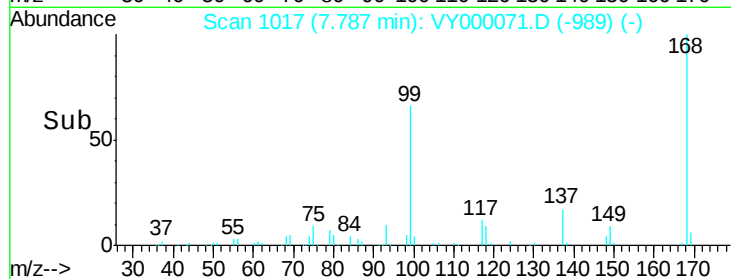
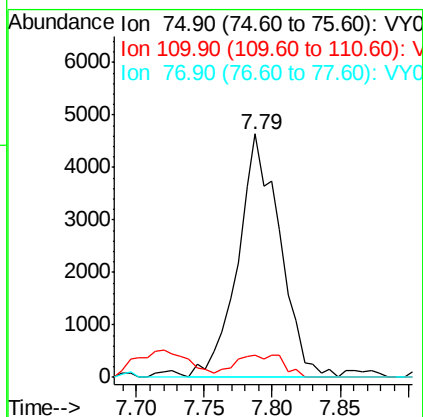
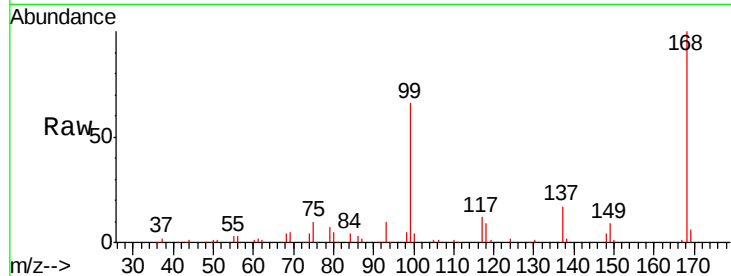




#36
 1,1-Dichloropropene
 Concen: 6.156 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000071.D
 Acq: 19 Sep 2019 12:42

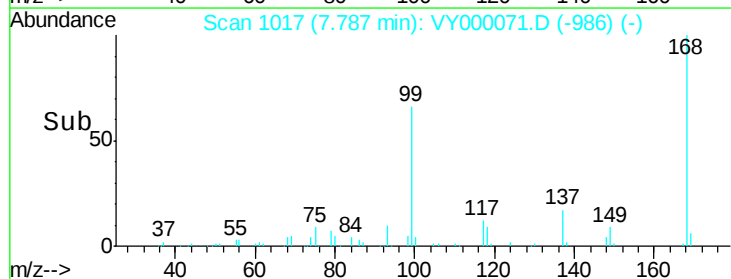
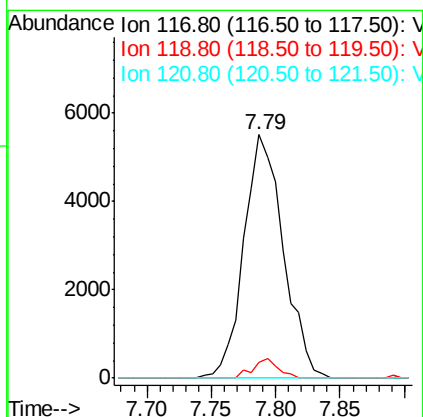
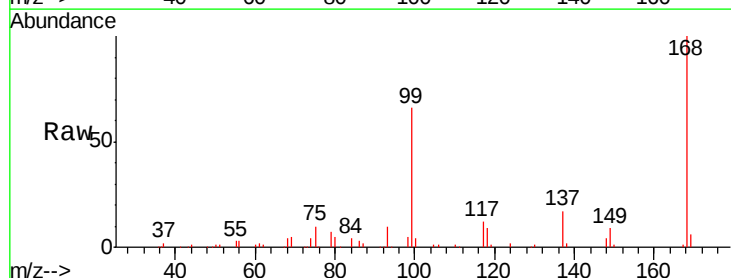
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBL01

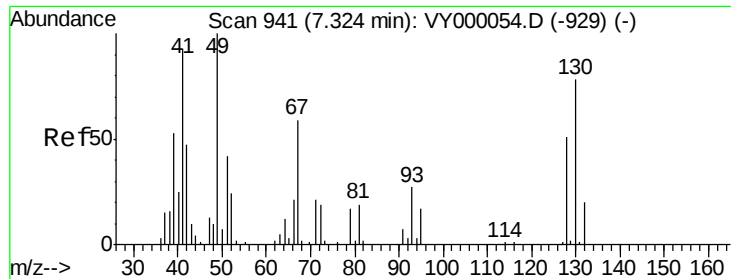
Tgt Ion: 75 Resp: 10028
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.603 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000071.D
 Acq: 19 Sep 2019 12:42

Tgt Ion: 117 Resp: 11688
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.0 112.6#
 121 0.0 22.8 34.2#

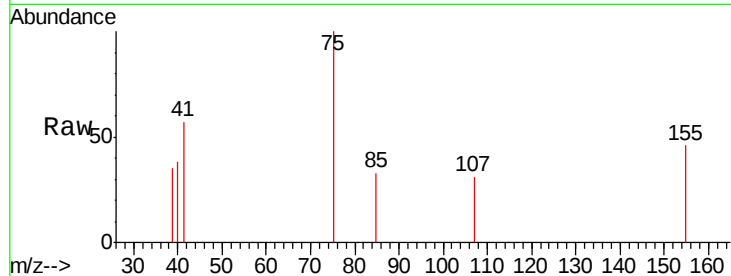




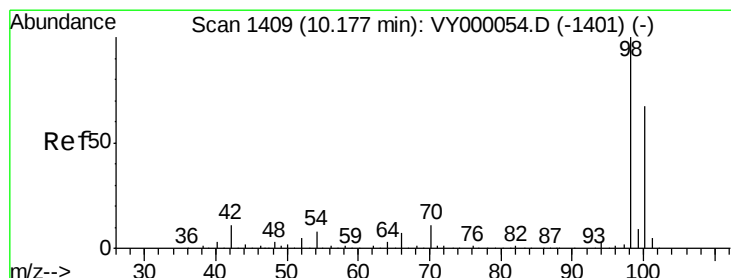
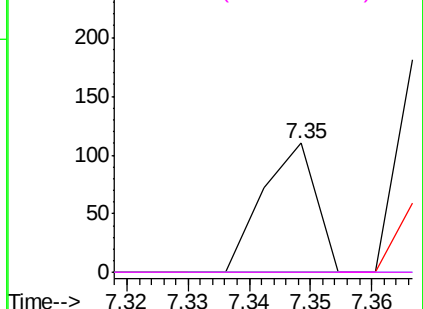
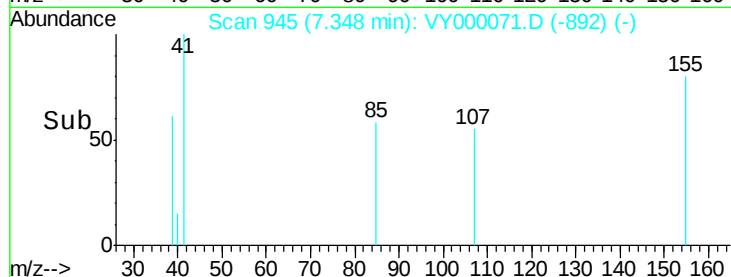
#41
Methacrylonitrile
Concen: 4.381 ug/l
RT: 7.35 min Scan# 945
Delta R.T. 0.02 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

Tgt Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
39	0.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

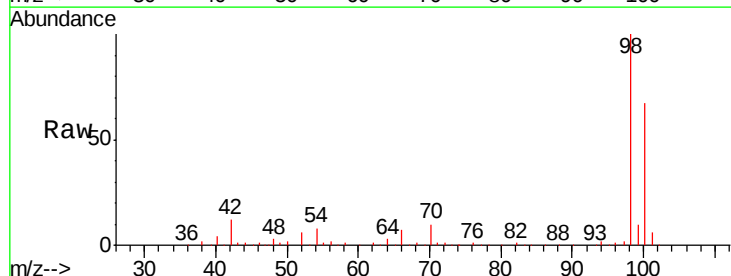


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

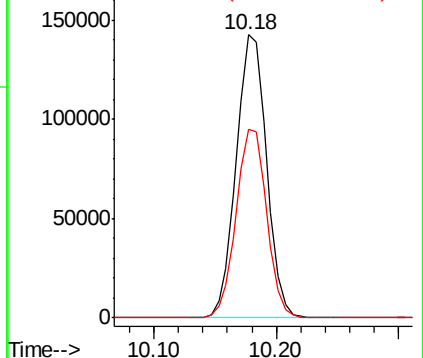
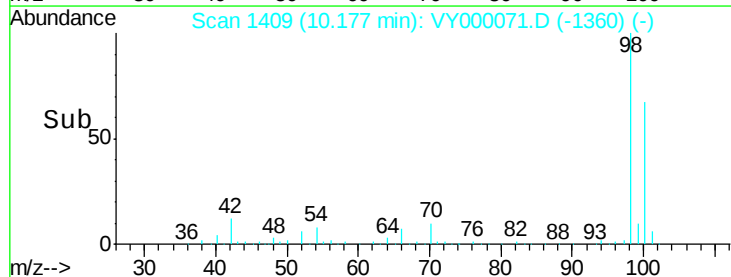


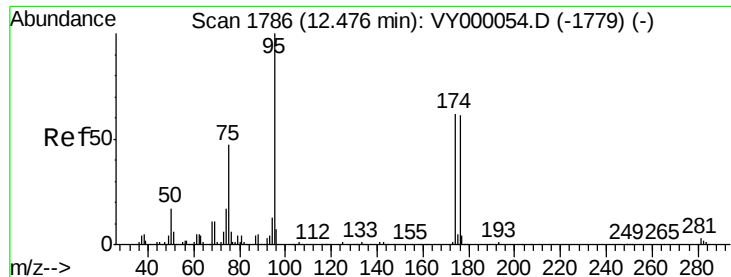
#50
Toluene-d8
Concen: 47.381 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

Tgt Ion:	98	Resp:	245466
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7



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

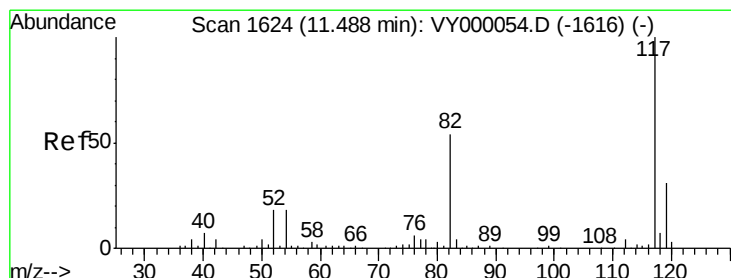
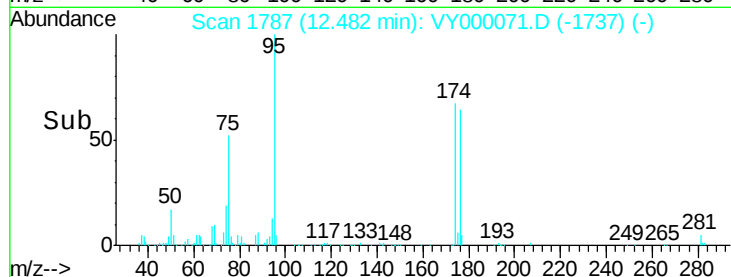
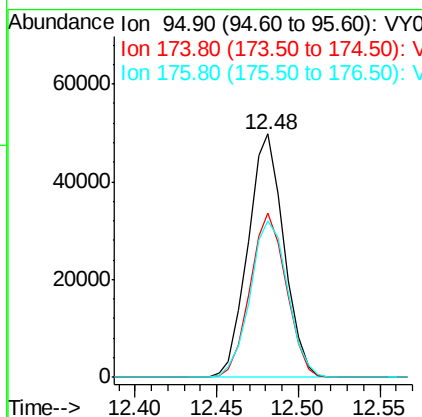
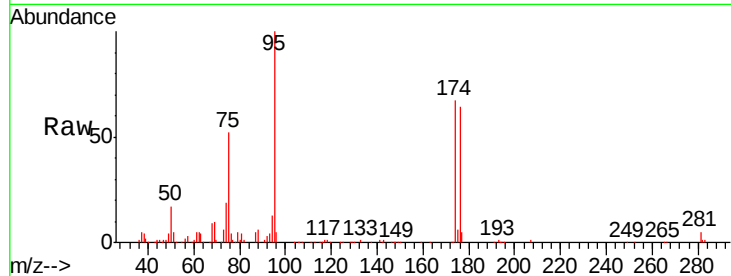




#62
4-Bromofluorobenzene
Concen: 39.762 ug/l
RT: 12.48 min Scan# 1787
Delta R.T. 0.01 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

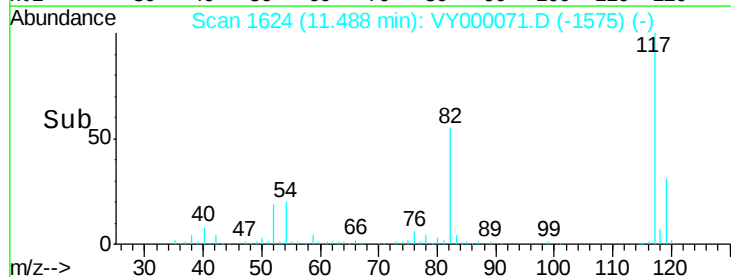
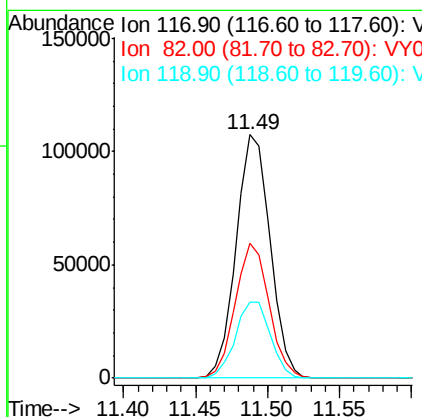
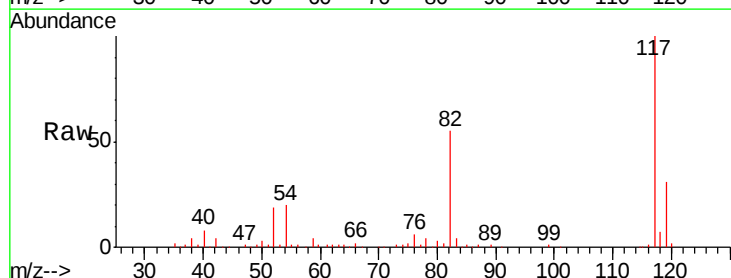
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

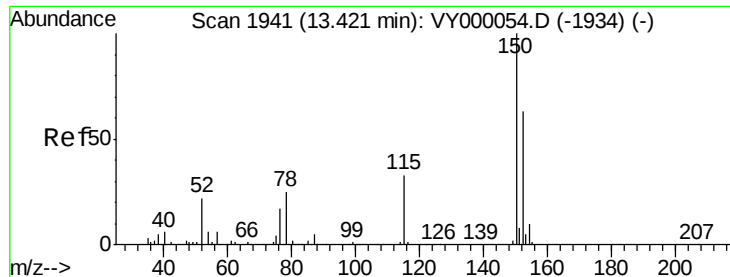
Tgt Ion: 95 Resp: 76481
Ion Ratio Lower Upper
95 100
174 67.4 0.0 137.2
176 66.9 0.0 135.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000071.D
Acq: 19 Sep 2019 12:42

Tgt Ion: 117 Resp: 176587
Ion Ratio Lower Upper
117 100
82 55.3 43.5 65.3
119 31.3 24.6 36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBL01

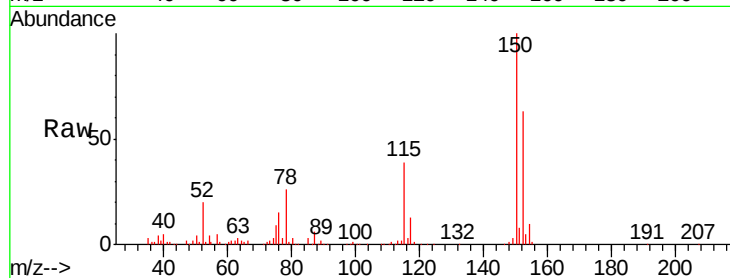
Tgt Ion:152 Resp: 64996

Ion Ratio Lower Upper

152 100

115 64.5 30.7 92.1

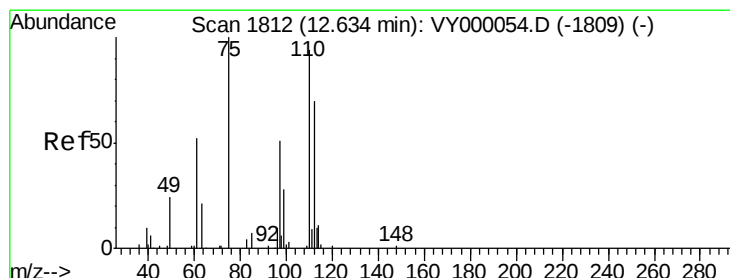
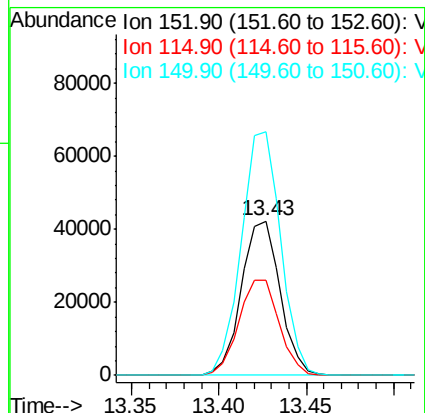
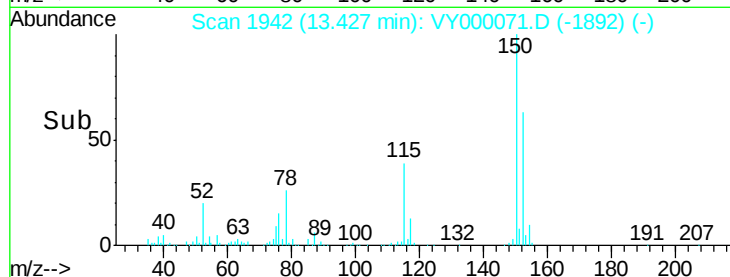
150 160.7 0.0 351.6



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: 43.752 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.15 min

Lab File: VY000071.D

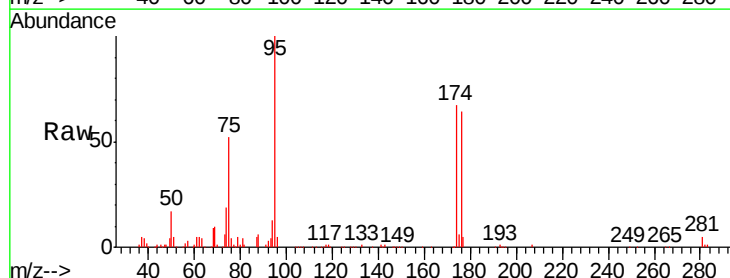
Acq: 19 Sep 2019 12:42

Tgt Ion: 75 Resp: 40011

Ion Ratio Lower Upper

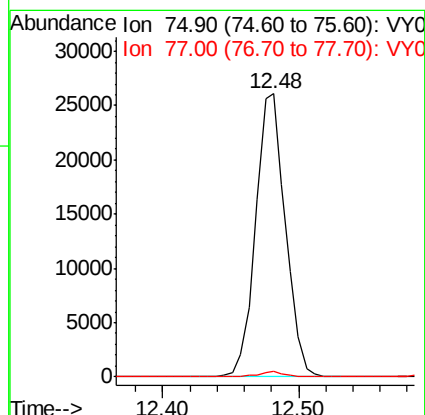
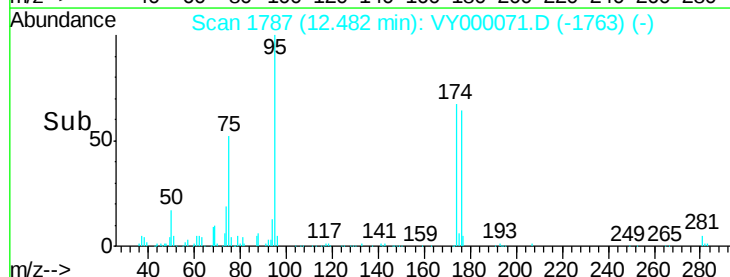
75 100

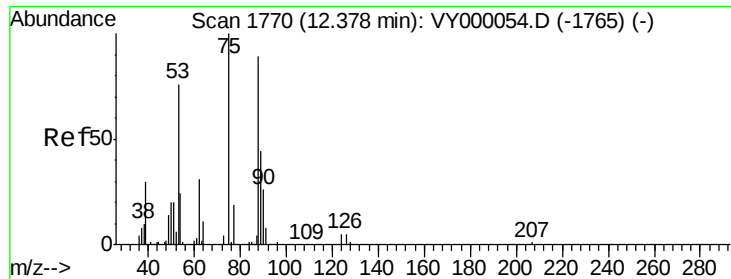
77 1.6 0.0 0.0#



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: 84.147 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.10 min

Lab File: VY000071.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBL01

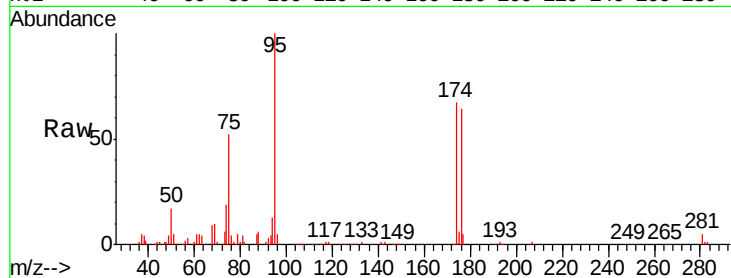
Tgt Ion: 75 Resp: 40011

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

