

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000804.D
 Acq On : 26 Nov 2019 15:36
 Operator : SY/MD
 Sample : K5792-01RE
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:32:01 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	253912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	477752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	398537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	159349	60.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.28%	
35) Dibromofluoromethane	7.72	113	131668	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.18	98	553803	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.48	95	172849	42.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.32%	

Target Compounds

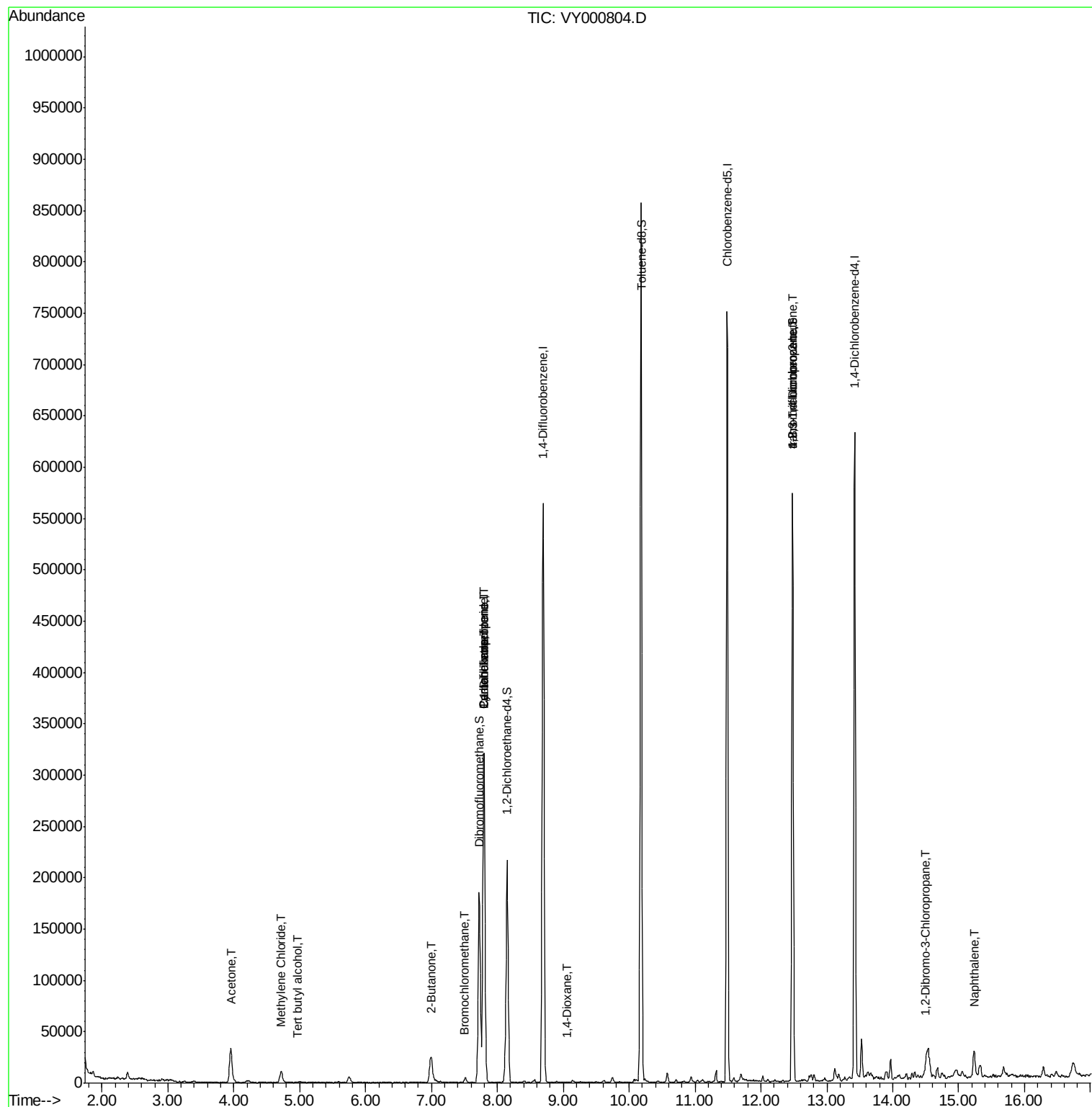
						Qvalue
11) Tert butyl alcohol	4.97	59	546	2.135	ug/l #	72
16) Acetone	3.96	43	55133	76.128	ug/l	90
20) Methylene Chloride	4.71	84	7940	2.559	ug/l #	81
25) 2-Butanone	7.00	43	10452	9.043	ug/l #	88
28) Bromochloromethane	7.49	49	64	4.119	ug/l #	14
31) Cyclohexane	7.80	56	6083	1.196	ug/l #	18
36) 1,1-Dichloropropene	7.80	75	21794	4.825	ug/l #	48
38) Carbon Tetrachloride	7.79	117	25313	5.825	ug/l #	14
49) 1,4-Dioxane	9.06	88	68	2.819	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	89390	50.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	89390	114.119	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.50	75	831	2.080	ug/l #	7
95) Naphthalene	15.23	128	11833	1.704	ug/l	96

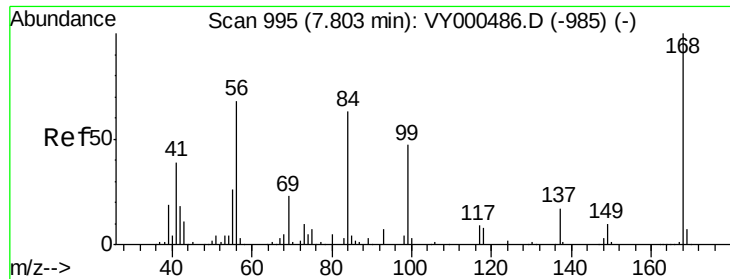
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000804.D

Acq: 26 Nov 2019 15:36

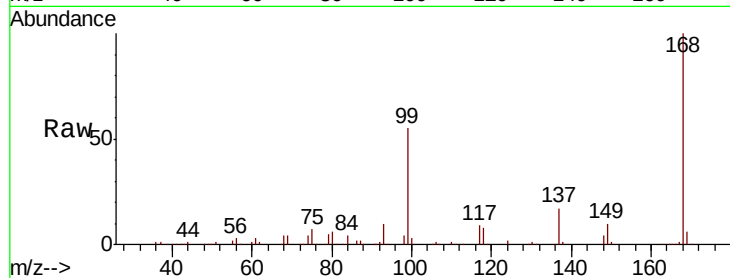
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 253912

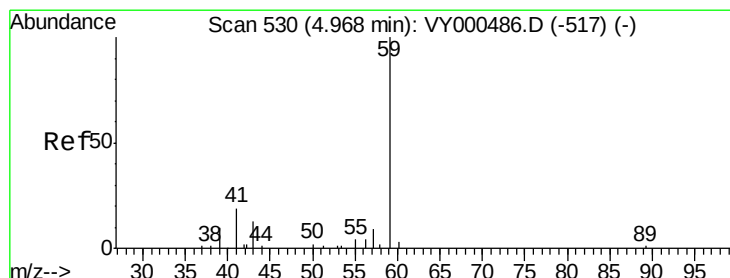
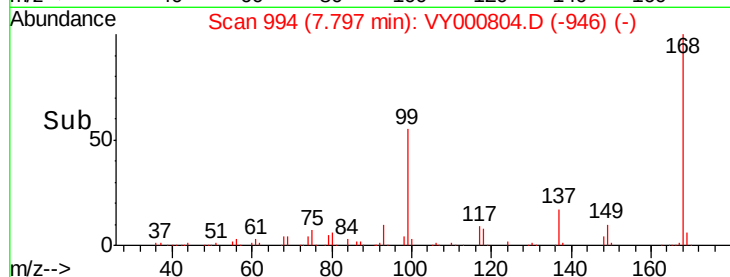
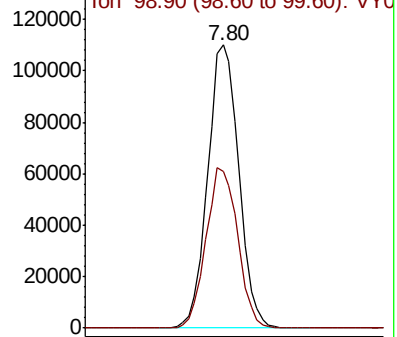
Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)



#11

Tert butyl alcohol

Concen: 2.135 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY000804.D

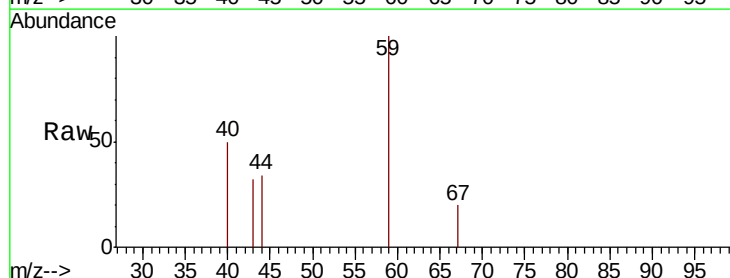
Acq: 26 Nov 2019 15:36

Tgt Ion: 59 Resp: 546

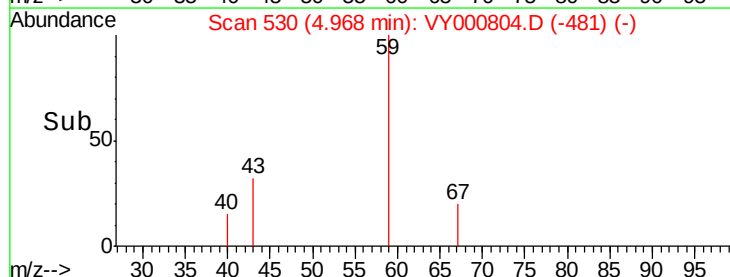
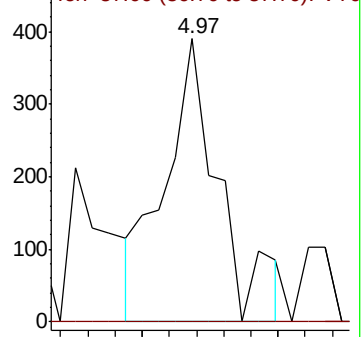
Ion Ratio Lower Upper

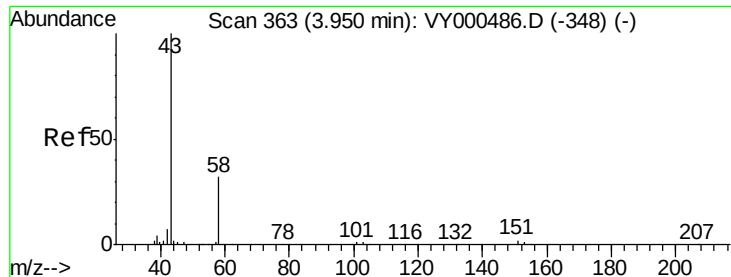
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000486.D (-517) (-)

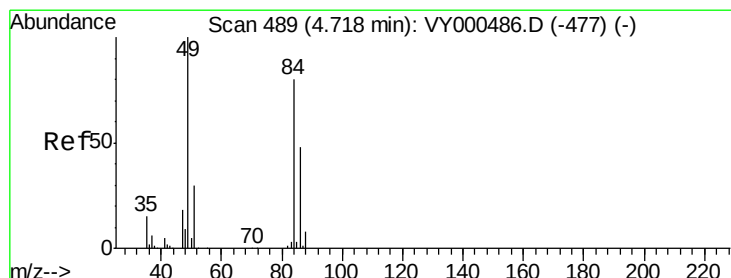
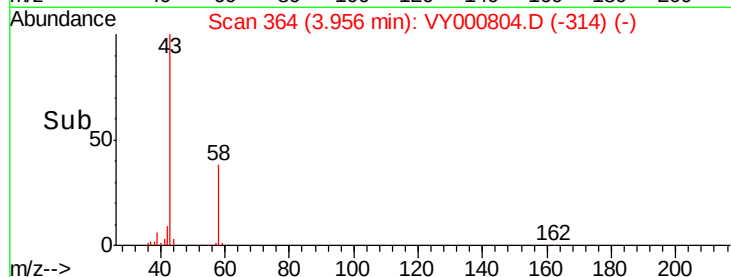
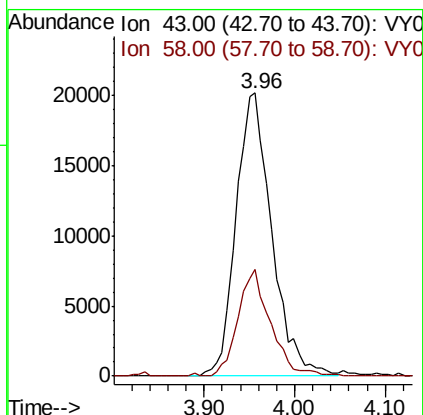
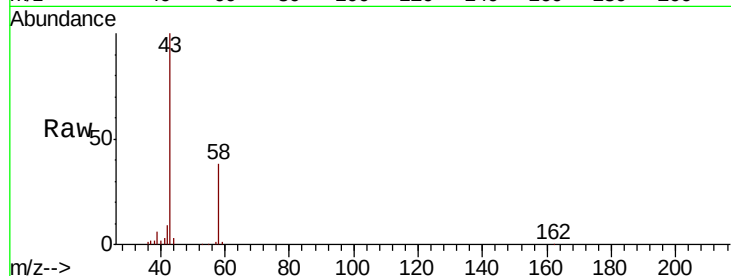




#16
Acetone
Concen: 76.128 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

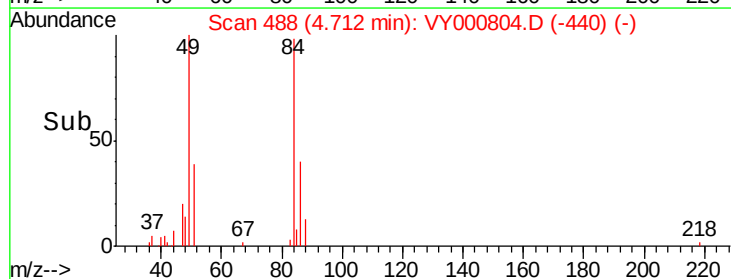
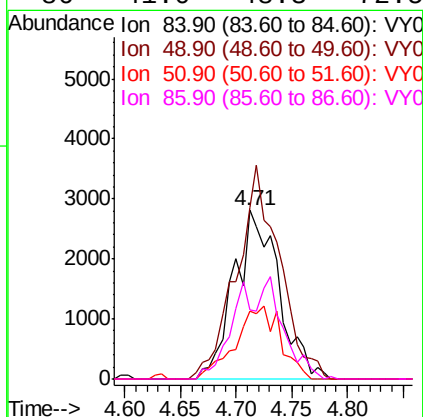
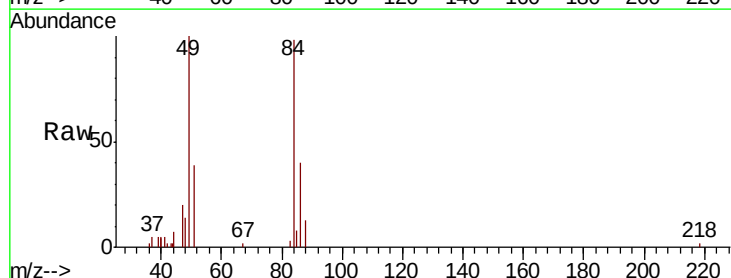
Instrument :
MSVOA_Y
ClientSampleId :

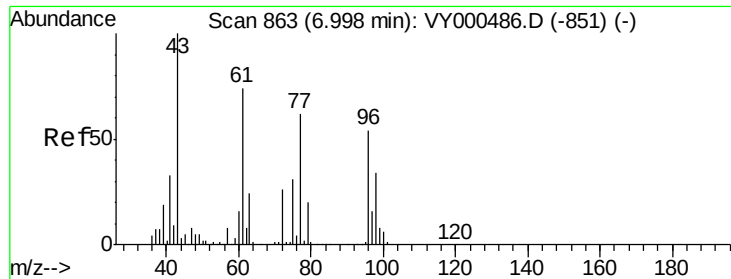
Tot Ion: 43 Resp: 55133
Ion Ratio Lower Upper
43 100
58 37.5 25.8 38.6



#20
Methylene Chloride
Concen: 2.559 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Tgt Ion: 84 Resp: 7940
Ion Ratio Lower Upper
84 100
49 101.9 100.2 150.4
51 40.0 29.6 44.4
86 41.0 48.3 72.5#

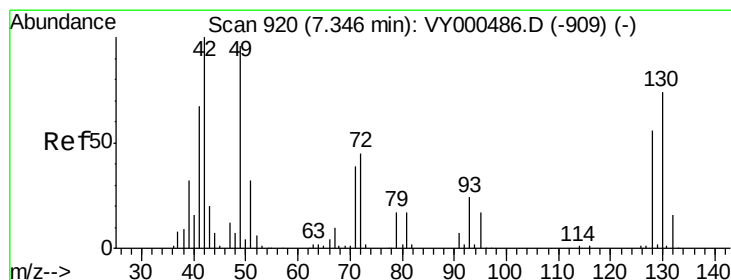
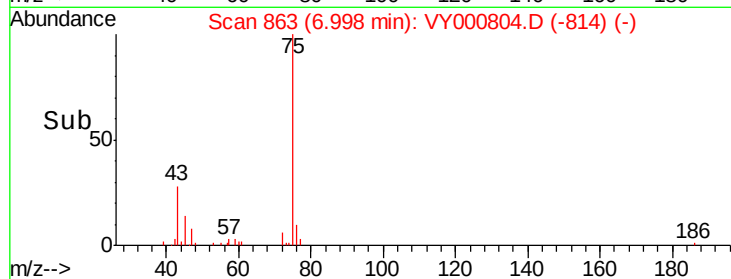
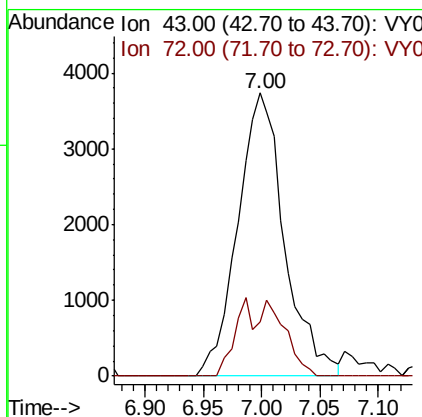
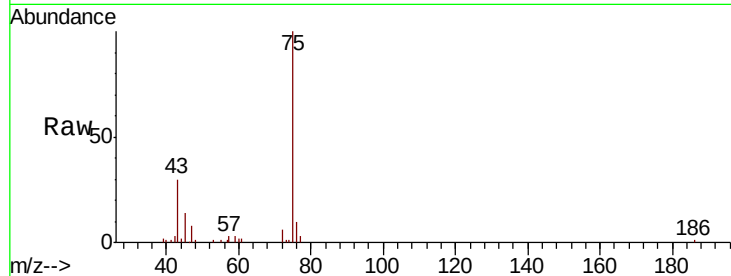




#25
 2-Butanone
 Concen: 9.043 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000804.D
 Acq: 26 Nov 2019 15:36

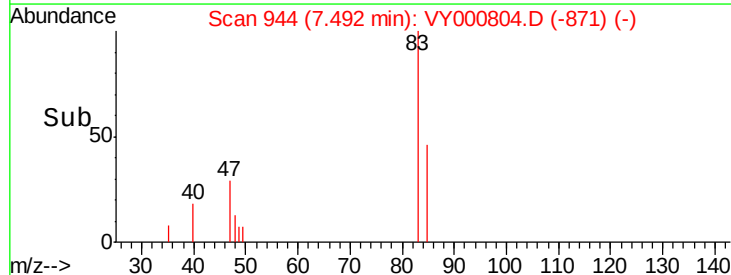
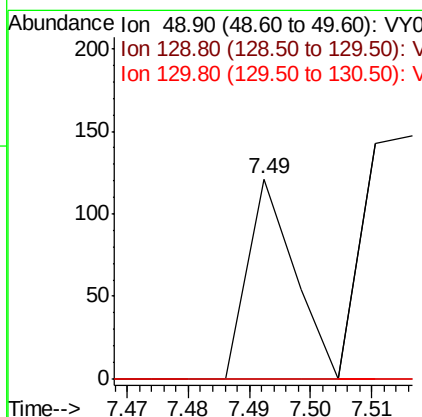
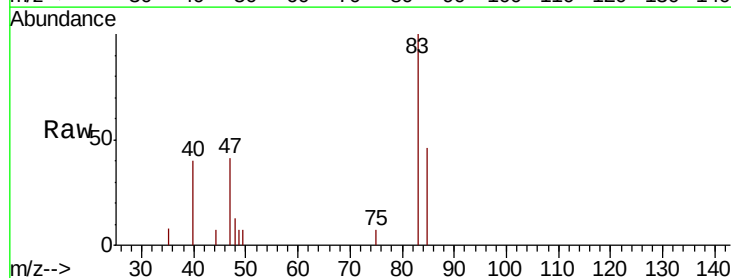
Instrument :
 MSVOA_Y
 ClientSampleId :

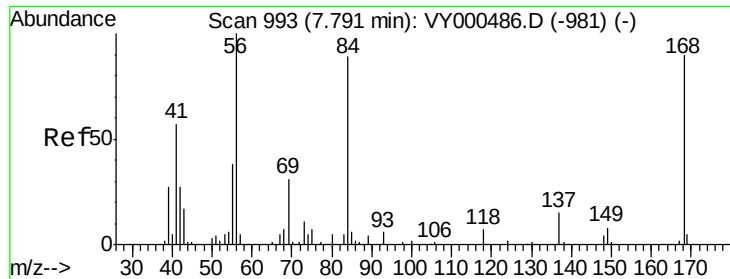
Tot Ion: 43 Resp: 10452
 Ion Ratio Lower Upper
 43 100
 72 20.1 20.9 31.3#



#28
 Bromochloromethane
 Concen: 4.119 ug/l
 RT: 7.49 min Scan# 944
 Delta R.T. 0.15 min
 Lab File: VY000804.D
 Acq: 26 Nov 2019 15:36

Tgt Ion: 49 Resp: 64
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 59.4 89.0#

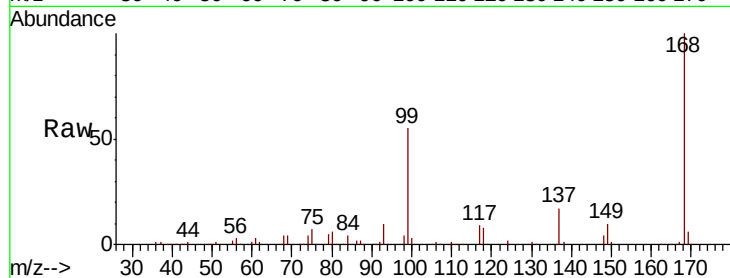




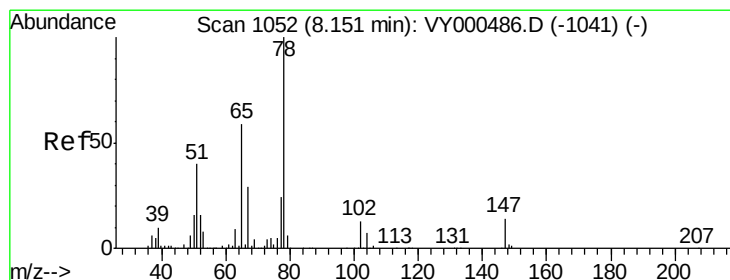
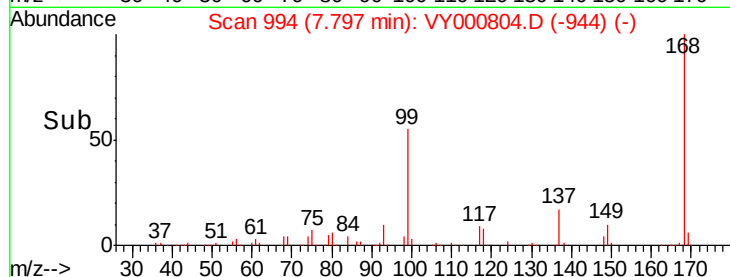
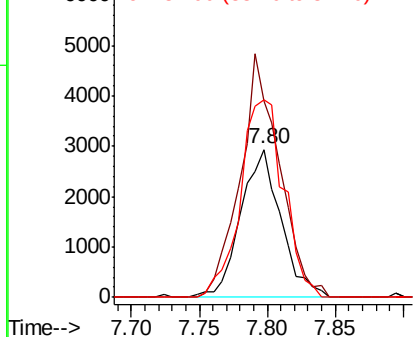
#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 6083
Ion Ratio Lower Upper
56 100
69 132.7 25.0 37.6#
84 133.4 71.4 107.2#

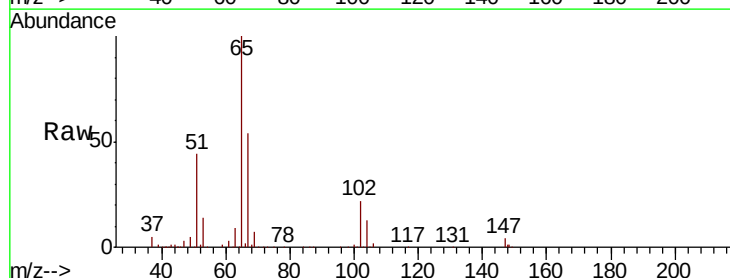


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

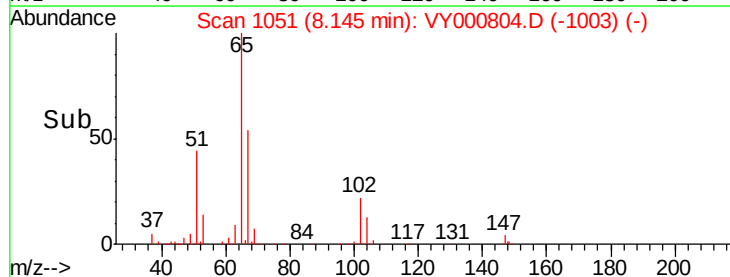
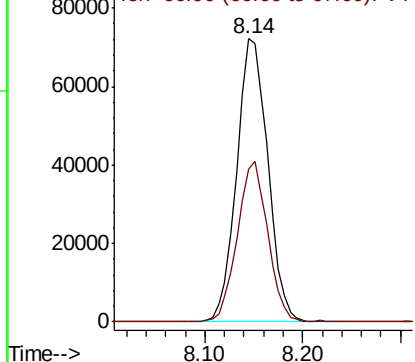


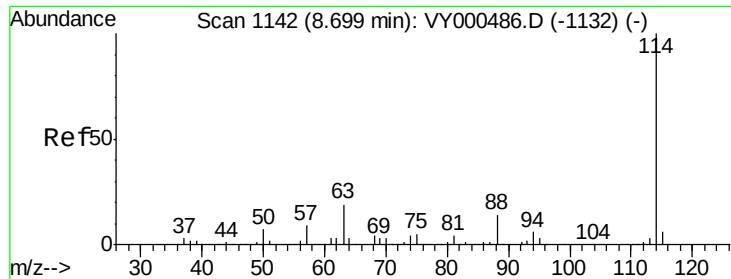
#33
1,2-Dichloroethane-d4
Concen: 60.643 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Tgt Ion: 65 Resp: 159349
Ion Ratio Lower Upper
65 100
67 55.3 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: VY000804.D

Acq: 26 Nov 2019 15:36

Instrument :

MSVOA_Y

ClientSampleId :

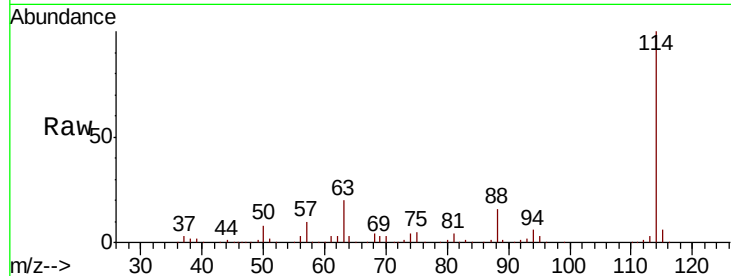
Tot Ion:114 Resp: 477752

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

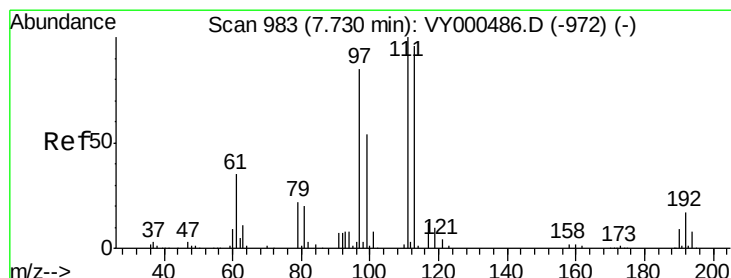
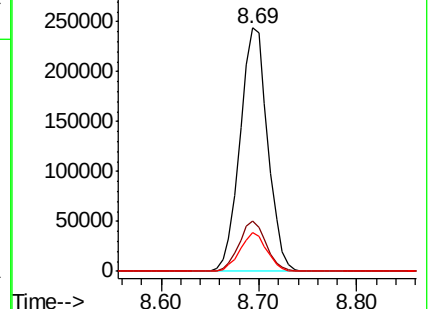
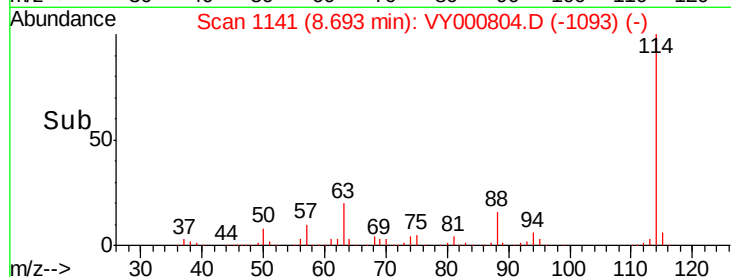
88 15.8 0.0 28.6



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: 46.945 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

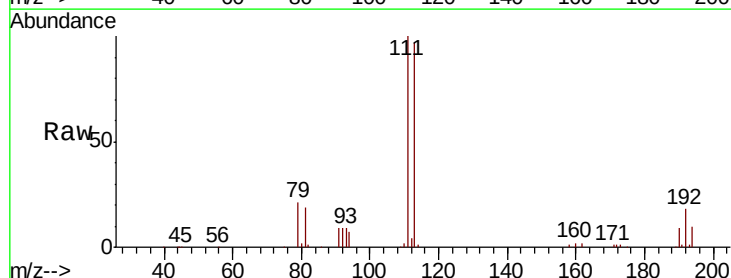
Tgt Ion:113 Resp: 131668

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

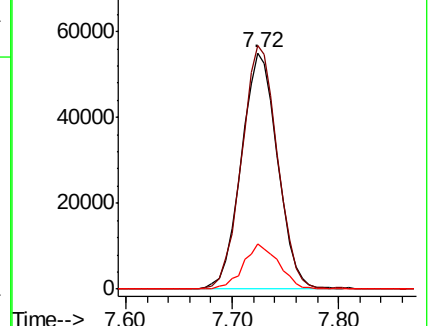
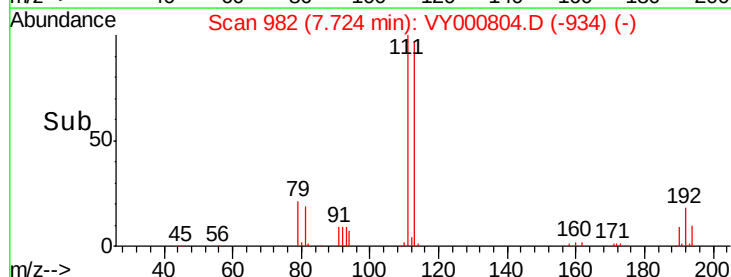
192 18.4 15.0 22.4

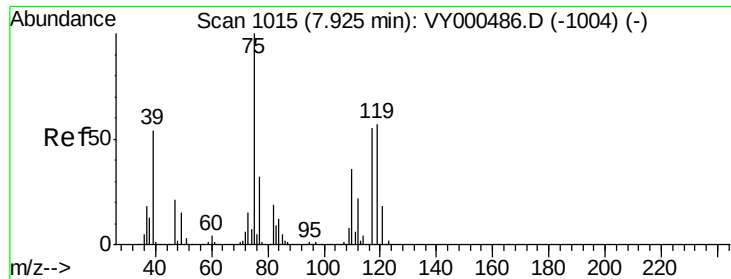


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

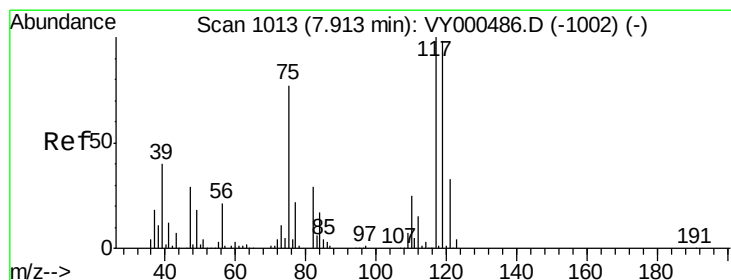
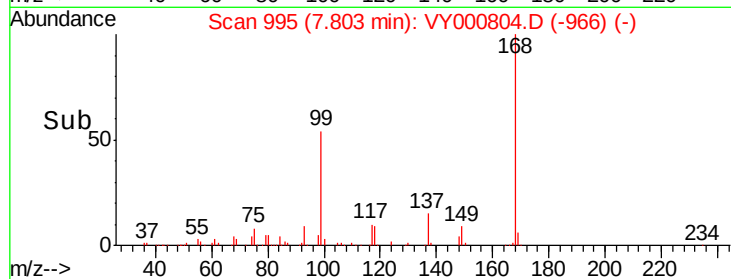
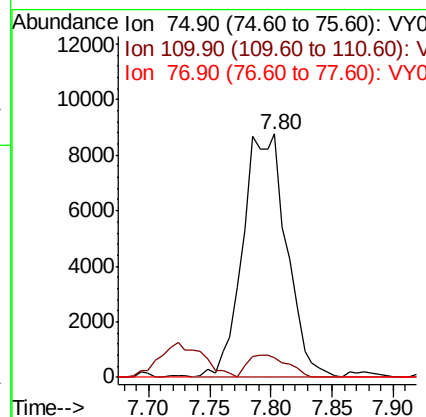
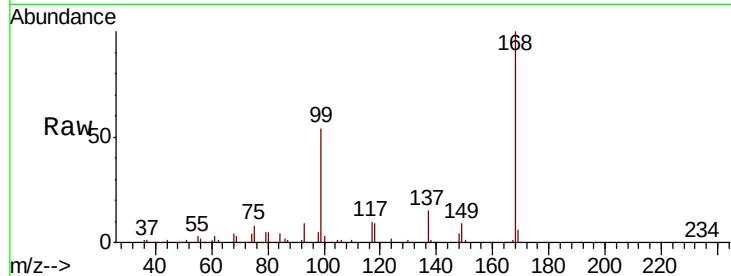




#36
 1,1-Dichloropropene
 Concen: 4.825 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000804.D
 Acq: 26 Nov 2019 15:36

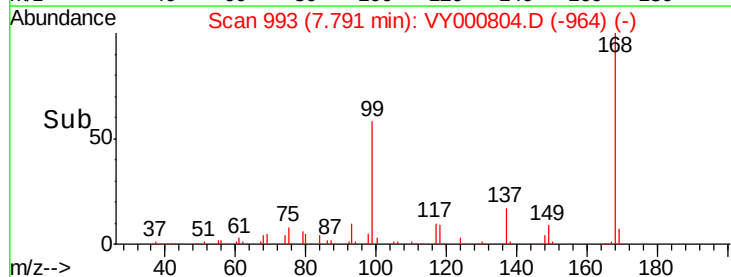
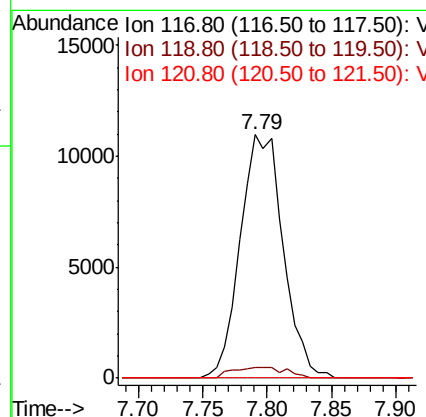
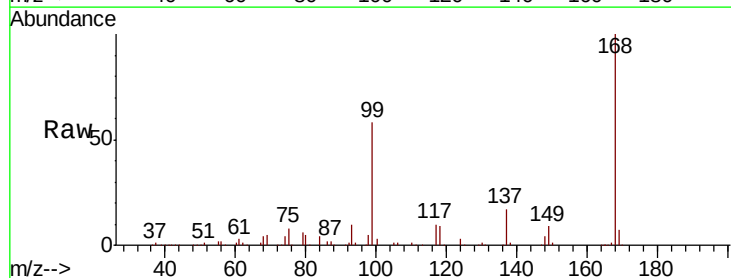
Instrument :
 MSVOA_Y
 ClientSampled :

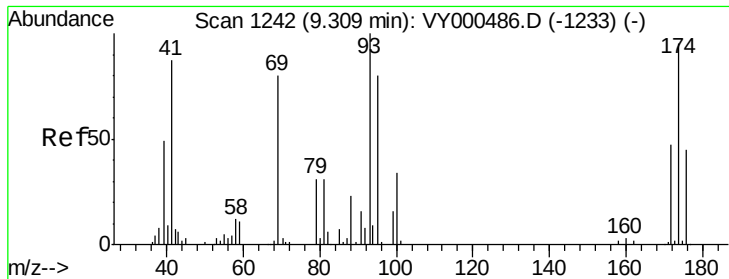
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.825 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY000804.D
 Acq: 26 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.0	117.0#
121	0.0	26.6	40.0#





#49

1,4-Dioxane

Concen: 2.819 ug/l

RT: 9.06 min Scan# 1201

Delta R.T. -0.25 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

Instrument :
MSVOA_Y
ClientSampleId :

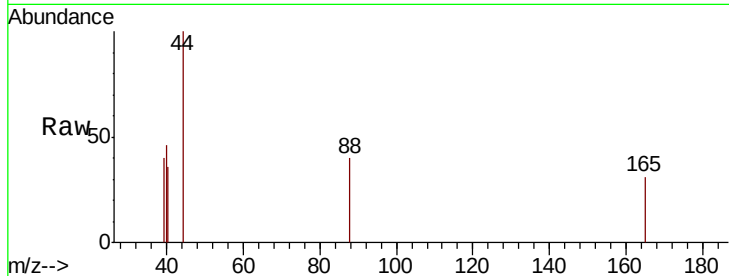
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

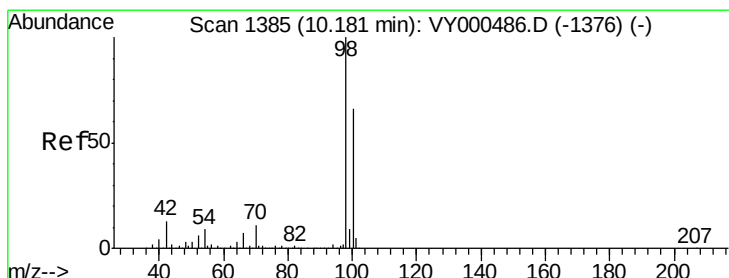
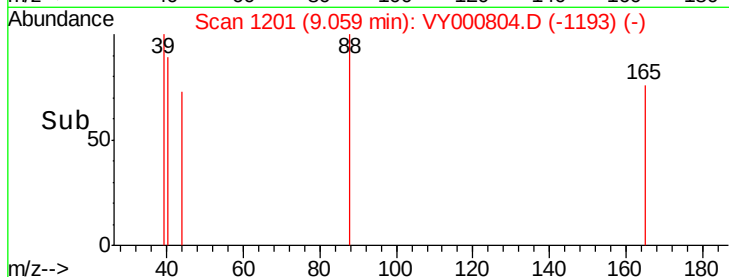
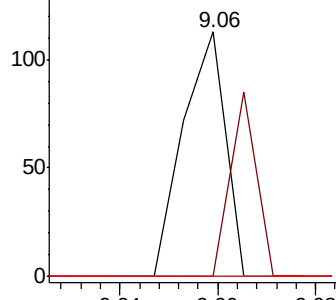
88 100

43 0.0 25.1 37.7#

58 0.0 50.6 75.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 52.037 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000804.D

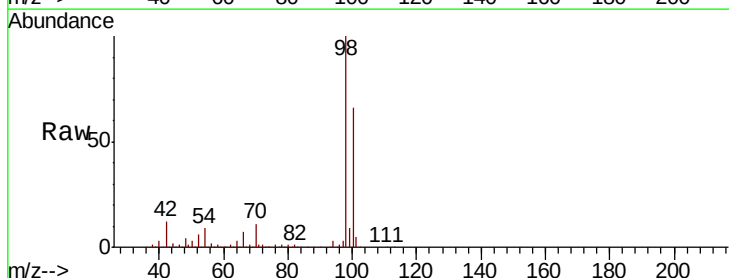
Acq: 26 Nov 2019 15:36

Tgt Ion: 98 Resp: 553803

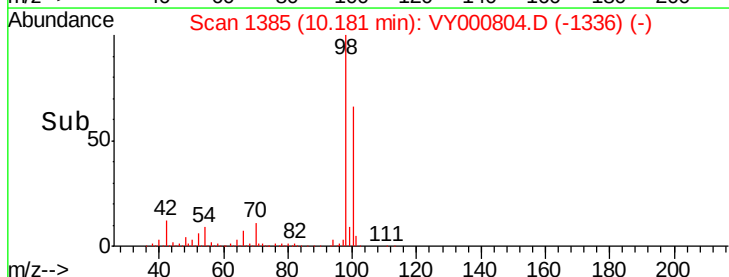
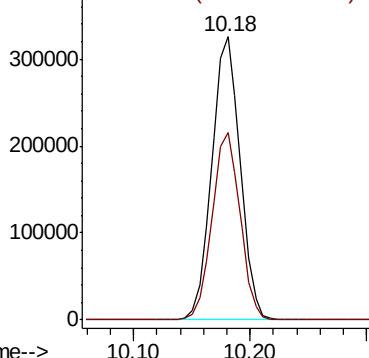
Ion Ratio Lower Upper

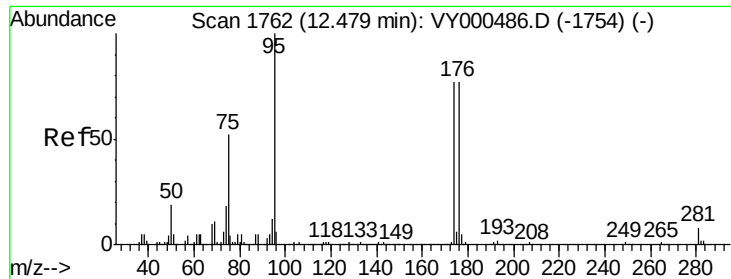
98 100

100 65.6 52.9 79.3



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

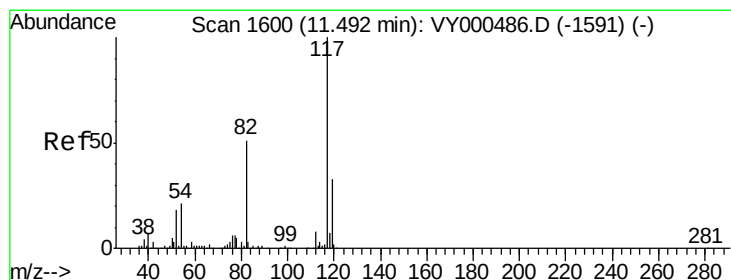
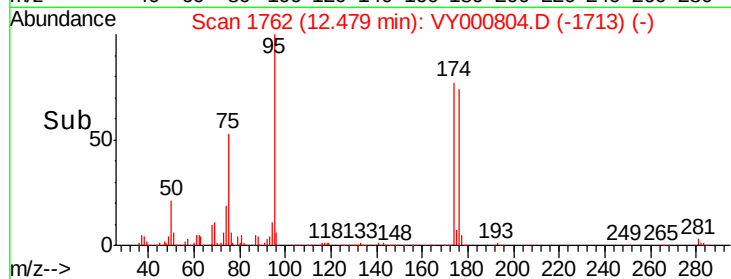
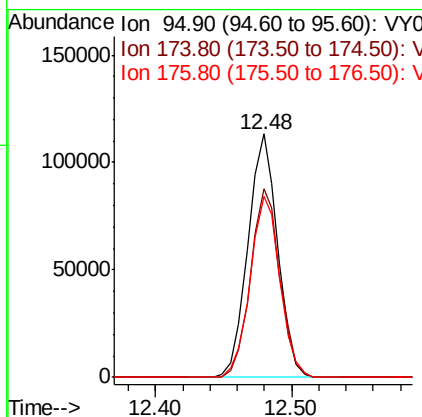
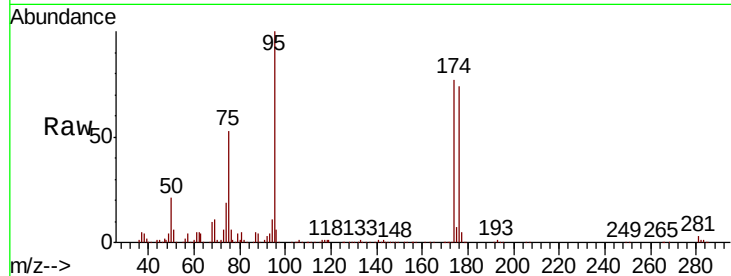




#62
4-Bromofluorobenzene
Concen: 42.663 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

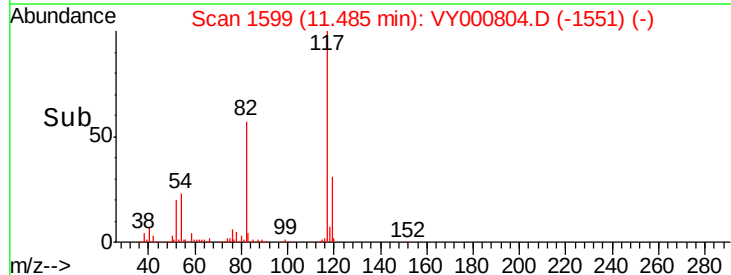
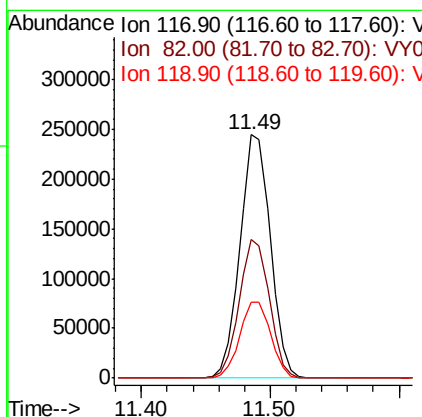
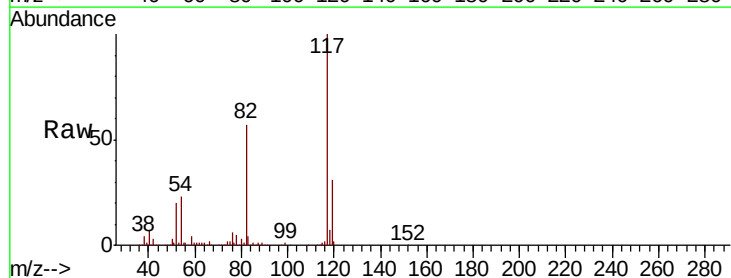
Instrument :
MSVOA_Y
ClientSampled :

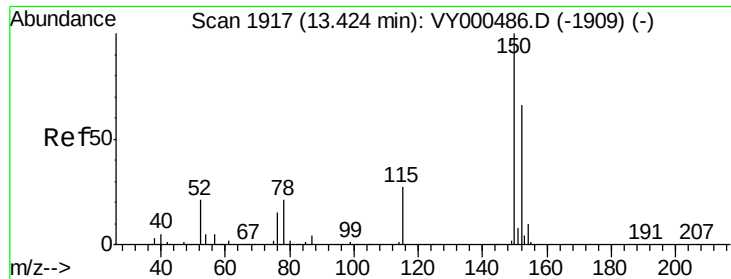
Tot Ion: 95 Resp: 172849
Ion Ratio Lower Upper
95 100
174 76.9 0.0 161.6
176 74.7 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Tgt Ion: 117 Resp: 398537
Ion Ratio Lower Upper
117 100
82 57.0 40.8 61.2
119 31.0 26.2 39.2



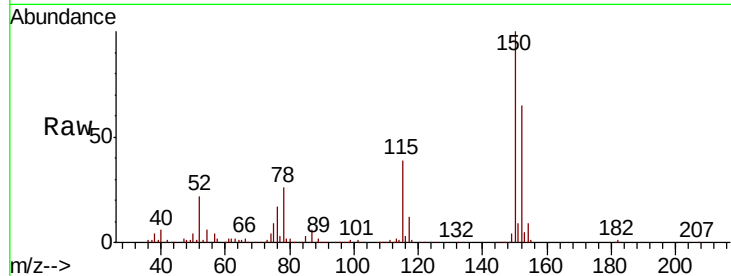


#72

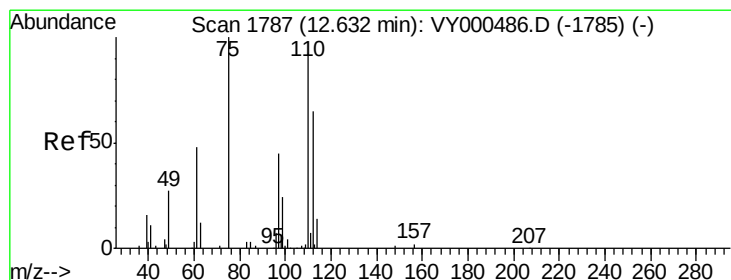
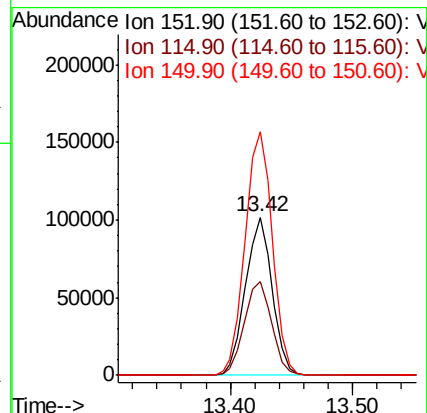
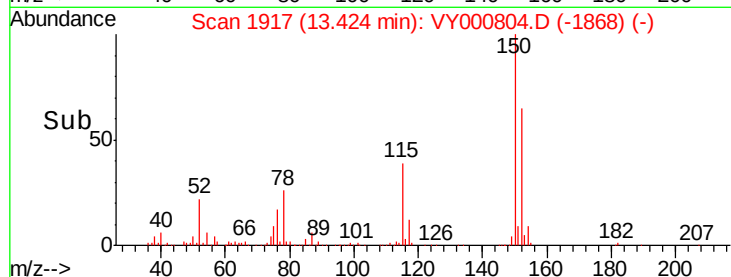
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 154243
Ion Ratio Lower Upper
152 100
115 60.5 29.1 87.4
150 157.7 0.0 348.8



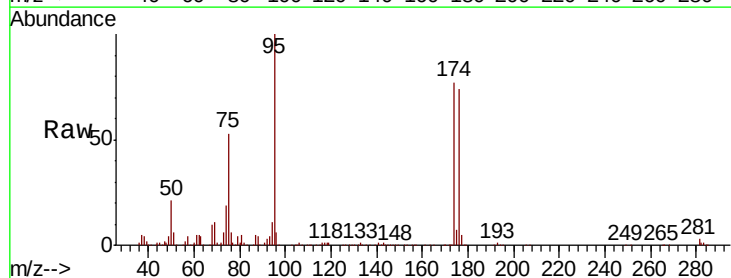
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



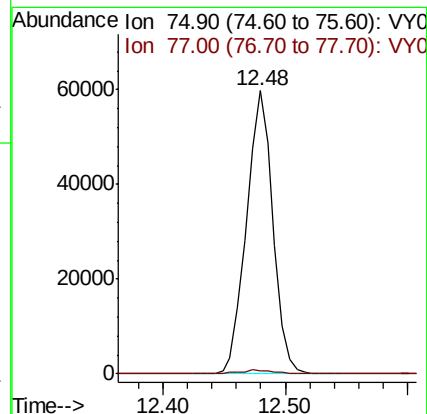
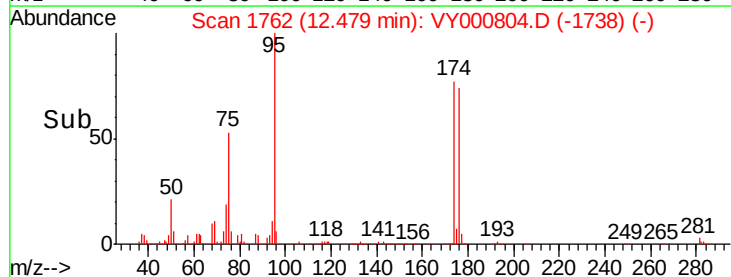
#76

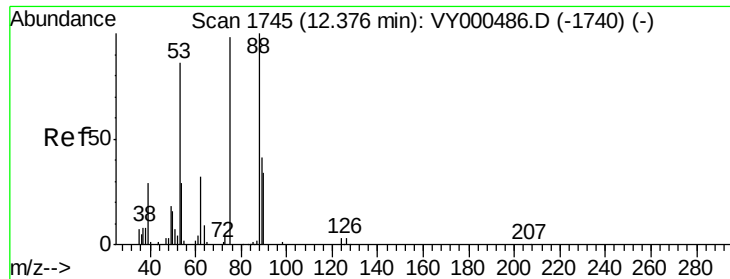
1,2,3-Trichloropropane
Concen: 50.898 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Tgt Ion: 75 Resp: 89390
Ion Ratio Lower Upper
75 100
77 1.7 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: 114.119 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

Instrument :

MSVOA_Y

ClientSampleId :

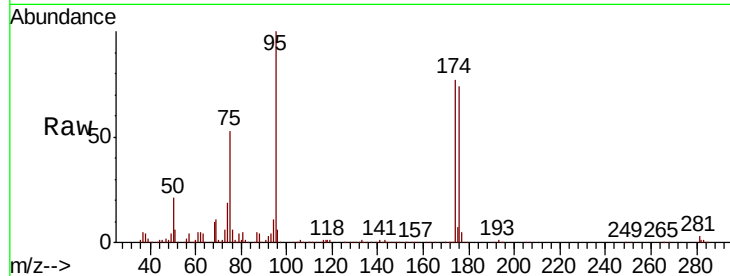
Tot Ion: 75 Resp: 89390

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

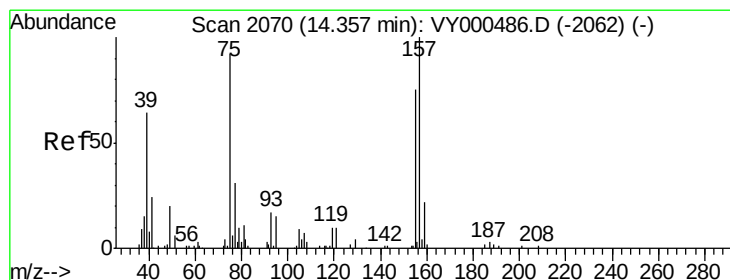
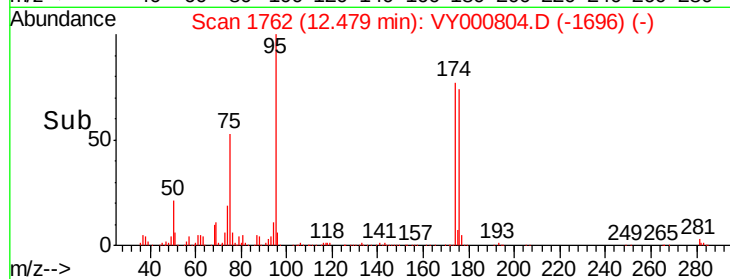
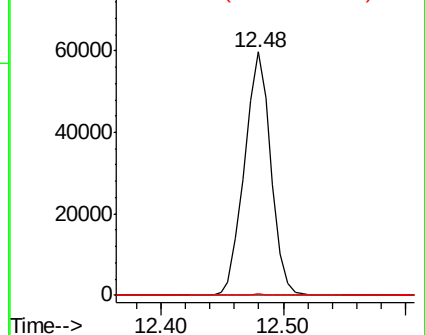
89 0.2 35.9 53.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.080 ug/l

RT: 14.50 min Scan# 2093

Delta R.T. 0.14 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

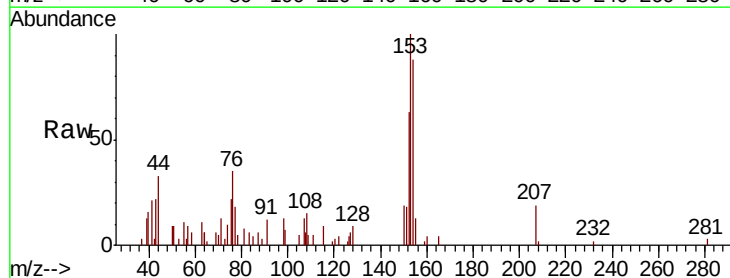
Tgt Ion: 75 Resp: 831

Ion Ratio Lower Upper

75 100

155 155.8 42.4 127.1#

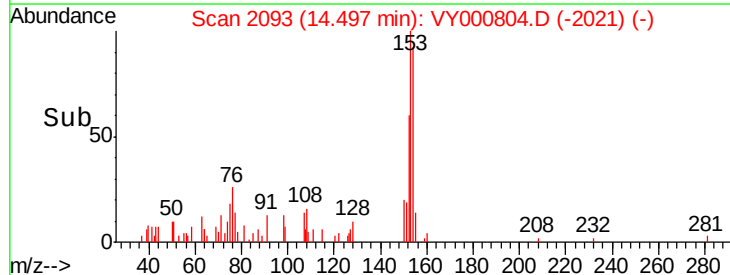
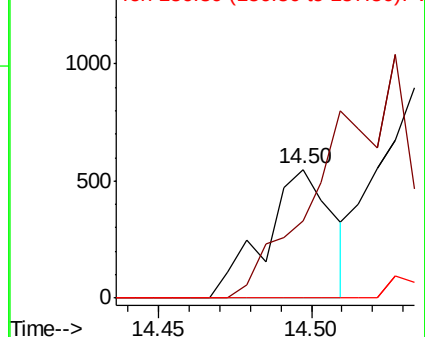
157 0.0 55.1 165.3#

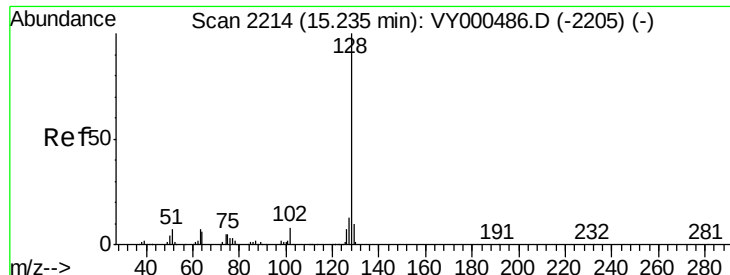


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

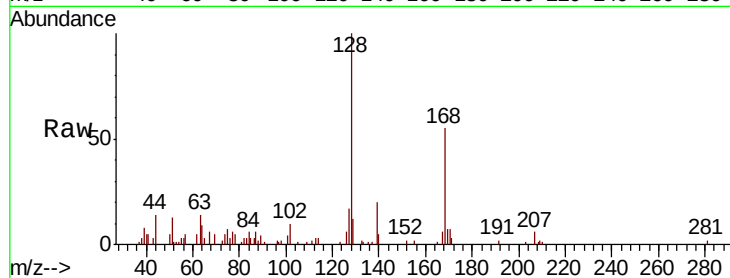




#95
Naphthalene
Concen: 1.704 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000804.D
Acq: 26 Nov 2019 15:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	9.8	14.6
129	12.2	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

