

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002189.D
 Acq On : 02 Apr 2020 14:09
 Operator : SY/MD
 Sample : L2135-02
 Misc : 7.35G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:14:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	119954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	235530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	225684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	99632	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	78471	59.18	ug/l	0.00
Spiked Amount			Recovery	=	118.36%	
35) Dibromofluoromethane	7.74	113	69465	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.19	98	294863	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.49	95	102862	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	

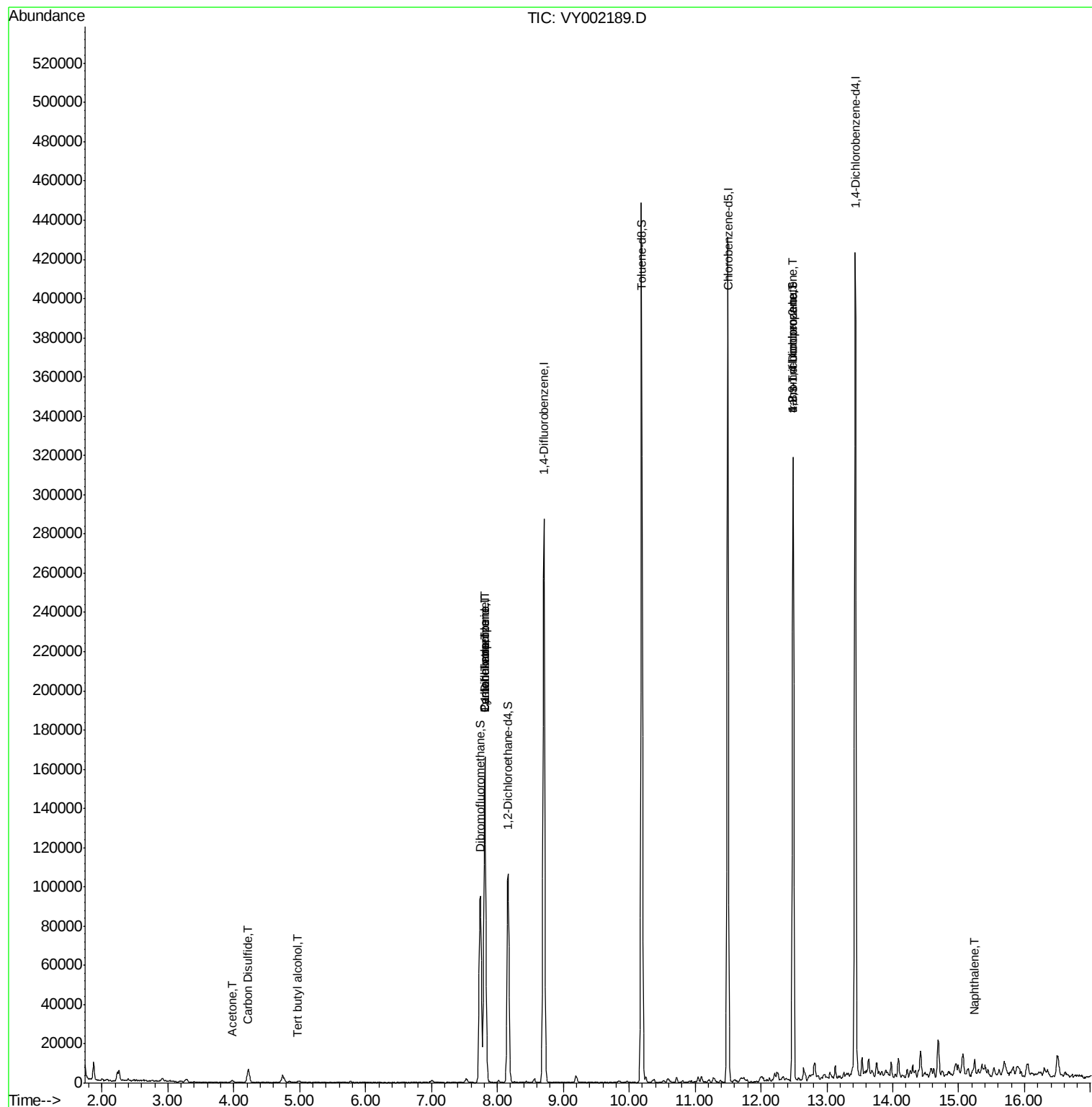
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	22	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	1612	10.316	ug/l #	74
16) Acetone	3.97	43	1998	5.363	ug/l #	76
17) Carbon Disulfide	4.22	76	13495	3.124	ug/l	97
20) Methylene Chloride	4.74	84	2127	Below Cal		82
31) Cyclohexane	7.80	56	3385	1.225	ug/l #	13
36) 1,1-Dichloropropene	7.81	75	10464	4.697	ug/l #	50
38) Carbon Tetrachloride	7.81	117	12507	6.617	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	52093	46.742	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	52093	90.556	ug/l #	17
95) Naphthalene	15.25	128	5835	1.337	ug/l #	96

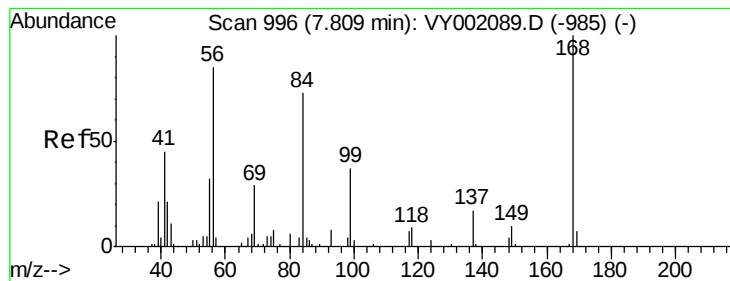
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002189.D

Acq: 02 Apr 2020 14:09

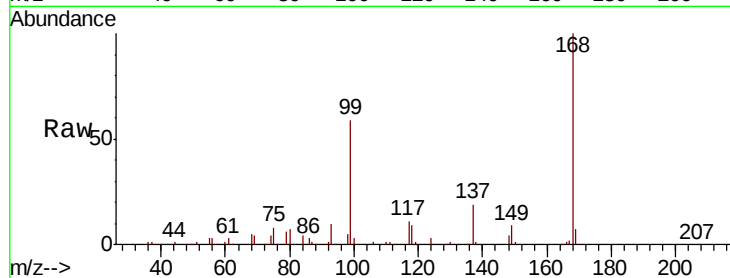
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 119954

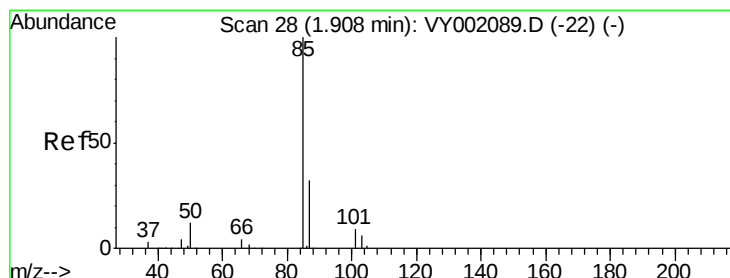
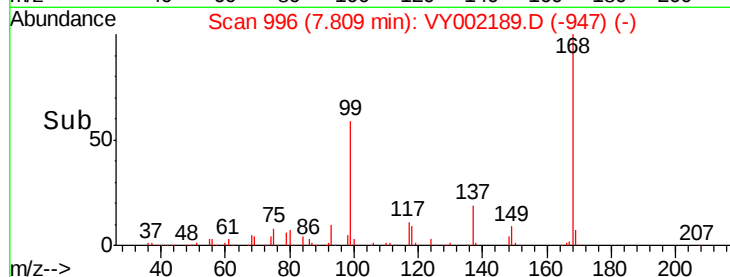
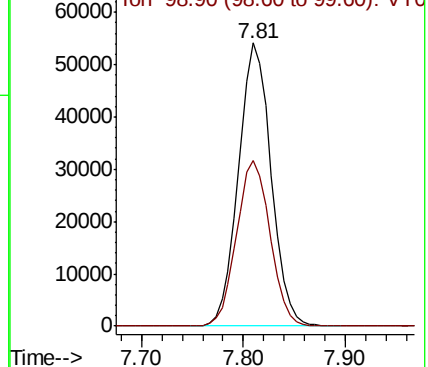
Ion Ratio Lower Upper

168 100

99 58.7 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002189.D (-985) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002189.D

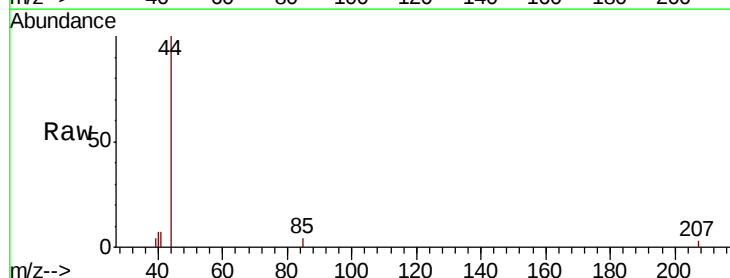
Acq: 02 Apr 2020 14:09

Tgt Ion: 85 Resp: 22

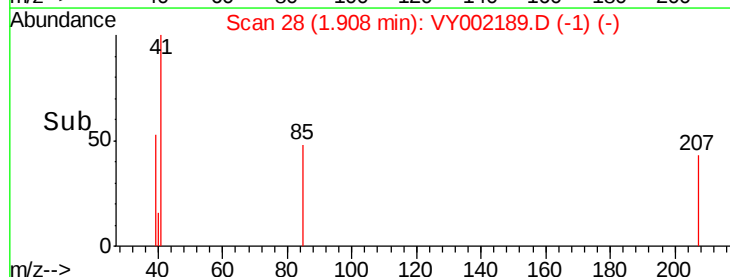
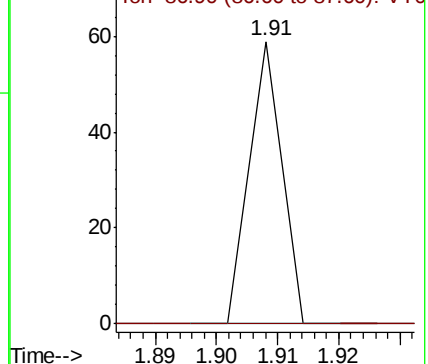
Ion Ratio Lower Upper

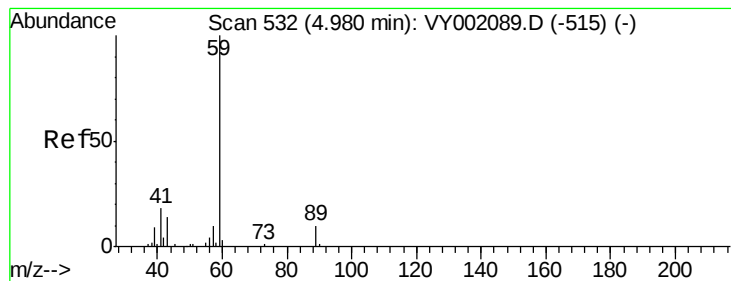
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002189.D (-22) (-)



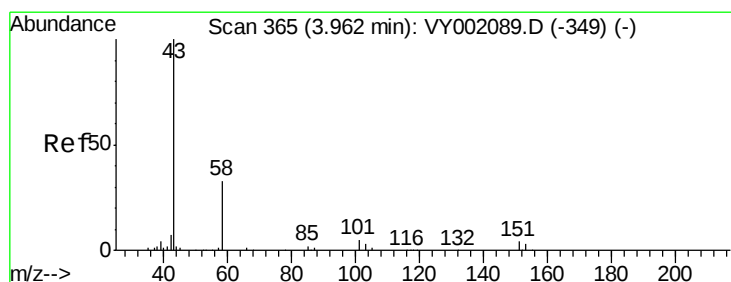
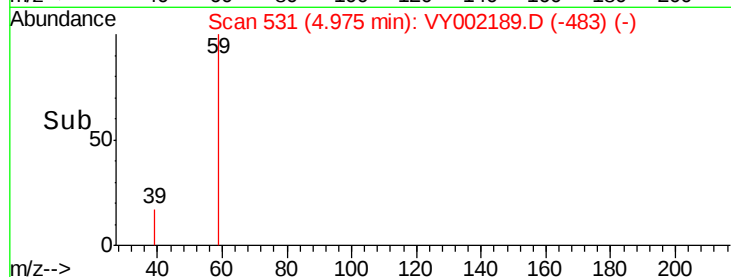
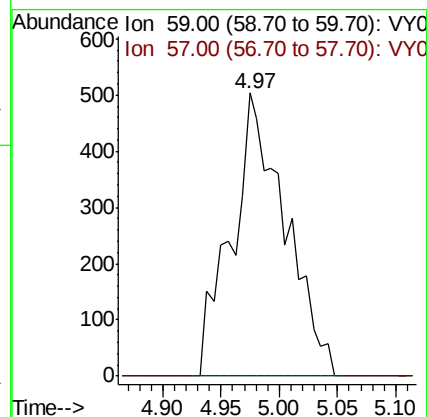
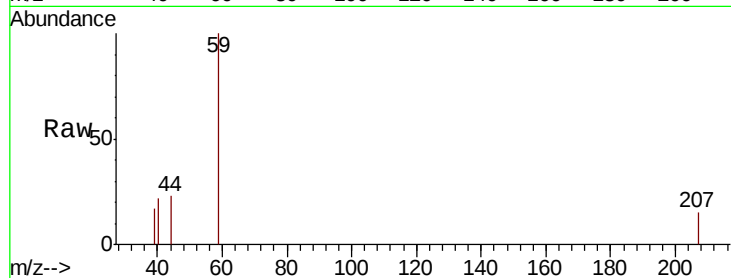


#11

Tert butvl alcohol
 Concen: 10.316 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002189.D
 Acq: 02 Apr 2020 14:09

Instrument :
 MSVOA_Y
 ClientSampled :

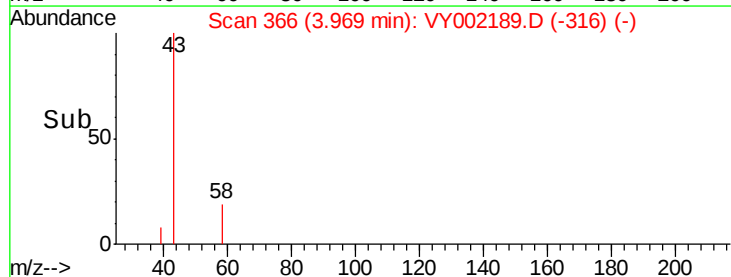
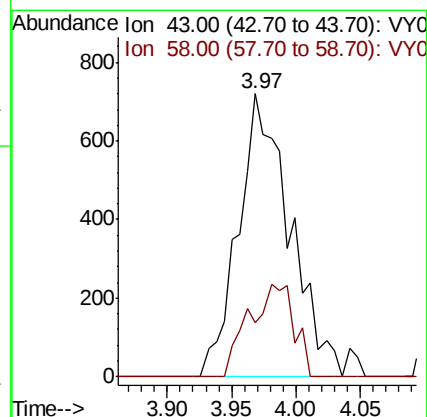
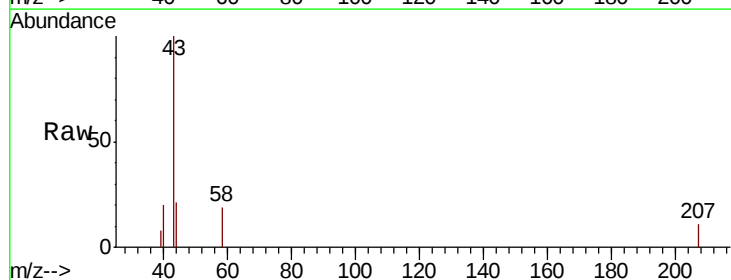
Tot Ion: 59 Resp: 1612
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

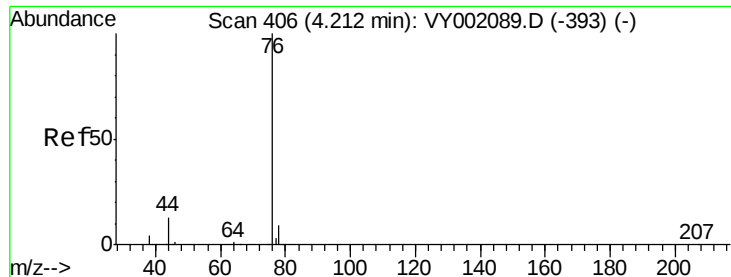


#16

Acetone
 Concen: 5.363 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002189.D
 Acq: 02 Apr 2020 14:09

Tgt Ion: 43 Resp: 1998
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.3 39.5#

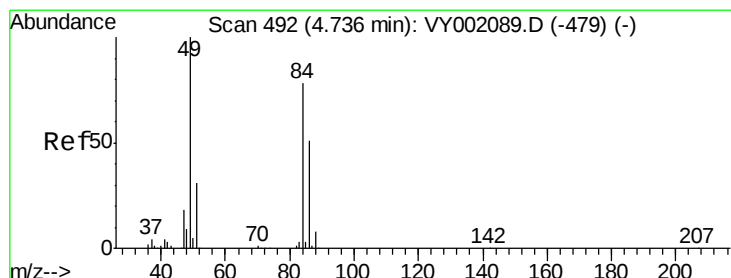
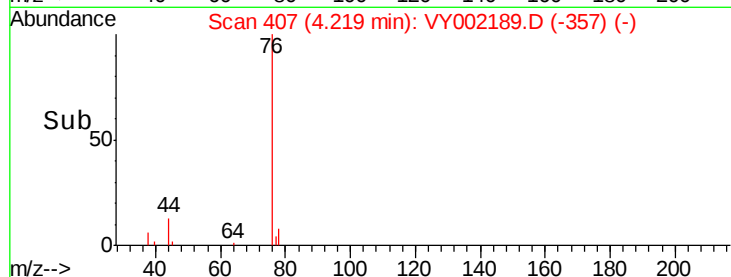
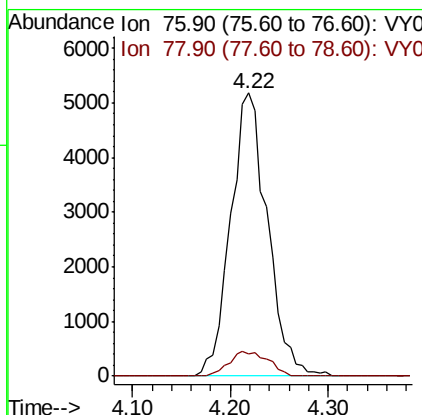
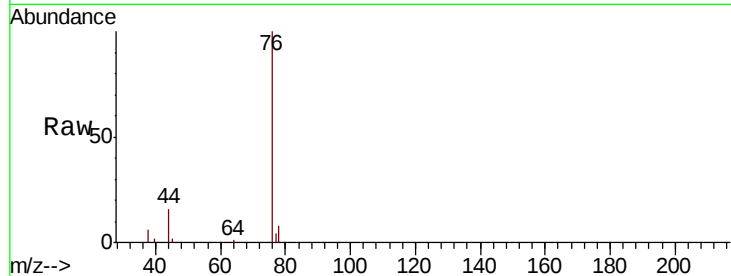




#17
Carbon Disulfide
Concen: 3.124 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

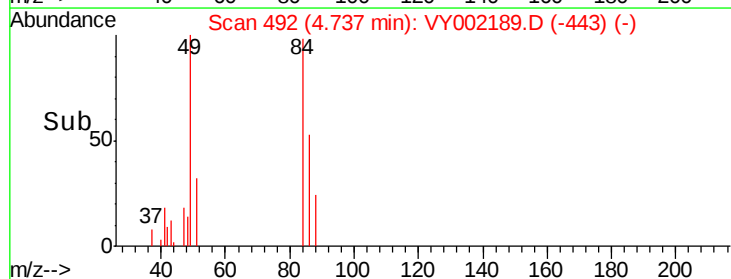
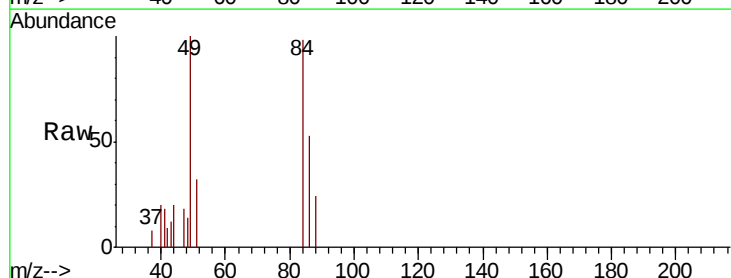
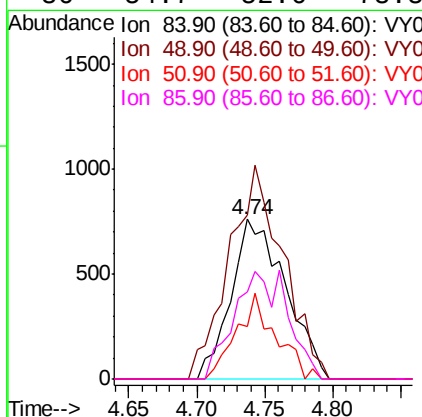
Instrument :
MSVOA_Y
ClientSampleId :

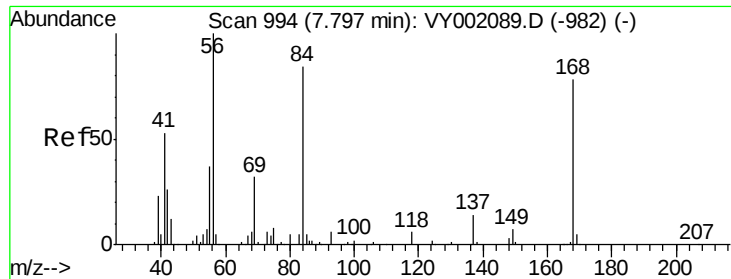
Tot Ion: 76 Resp: 13495
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

Tgt Ion: 84 Resp: 2127
Ion Ratio Lower Upper
84 100
49 102.4 102.2 153.4
51 32.5 31.2 46.8
86 54.7 52.6 78.8

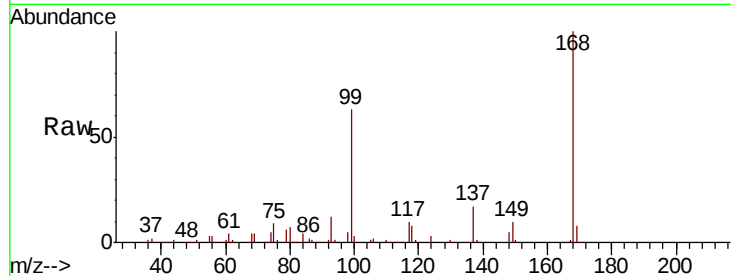




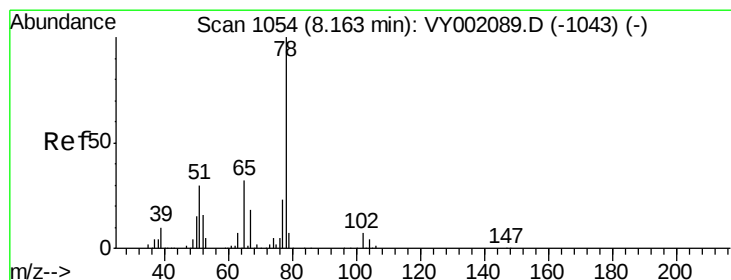
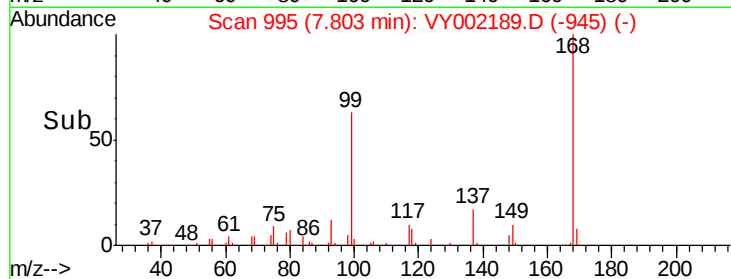
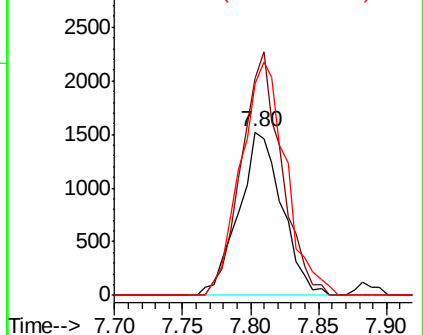
#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3385
Ion Ratio Lower Upper
56 100
69 132.7 25.8 38.8#
84 130.1 67.1 100.7#

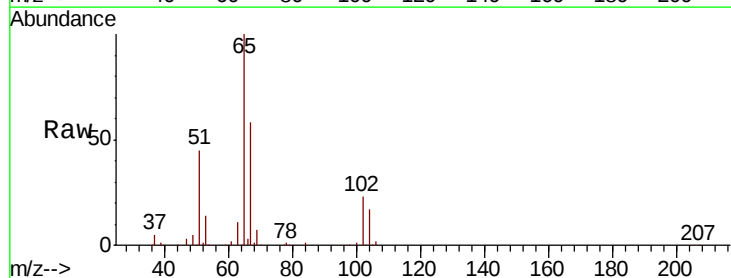


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

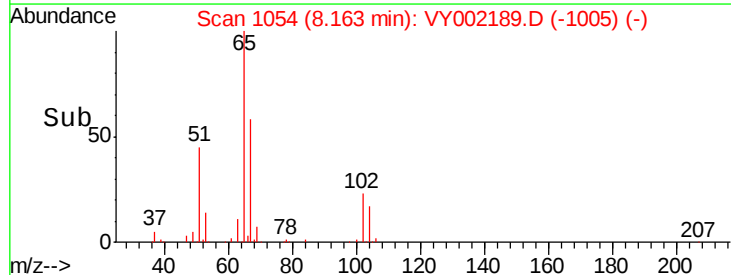
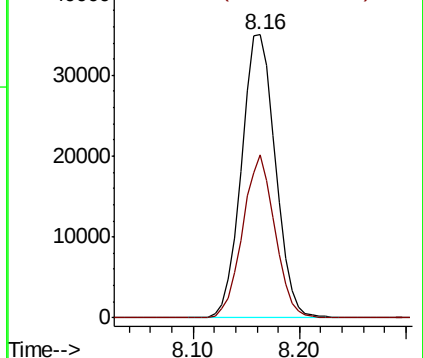


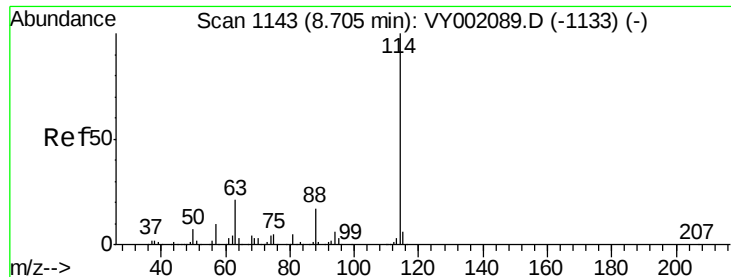
#33
1,2-Dichloroethane-d4
Concen: 59.176 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

Tgt Ion: 65 Resp: 78471
Ion Ratio Lower Upper
65 100
67 54.7 0.0 112.8



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

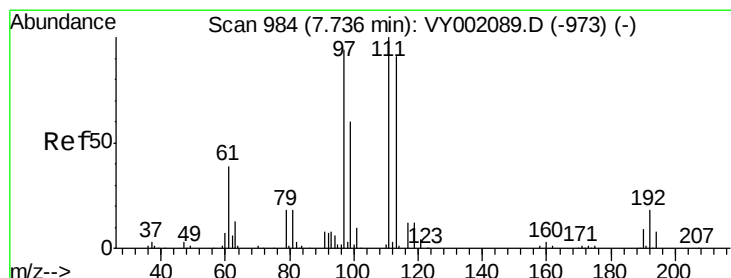
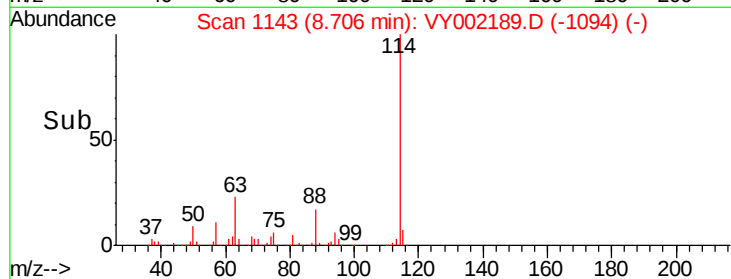
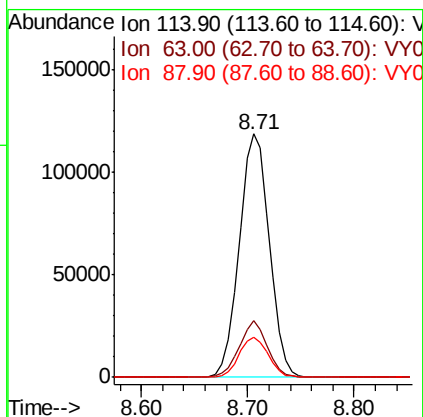
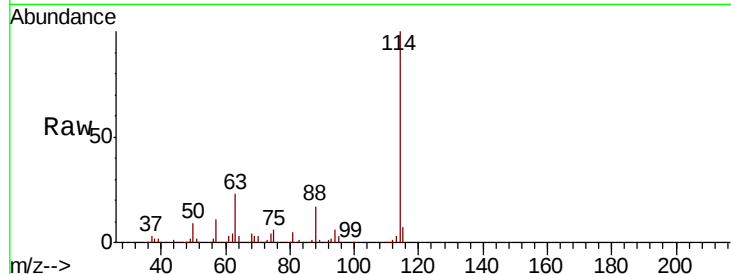




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002189.D
 Acq: 02 Apr 2020 14:09

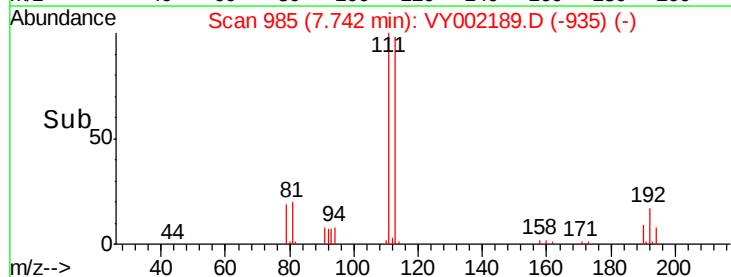
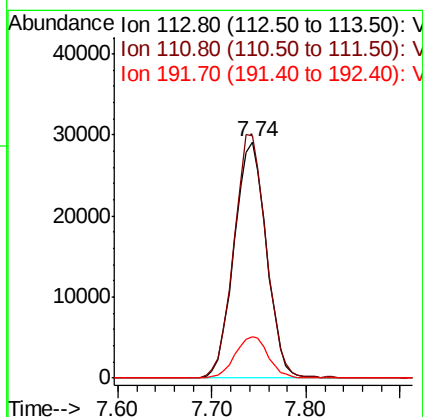
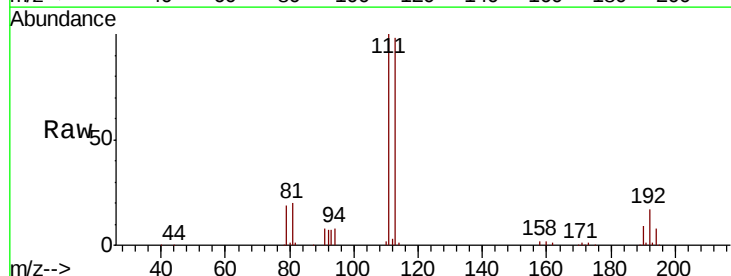
Instrument :
 MSVOA_Y
 ClientSampleId :

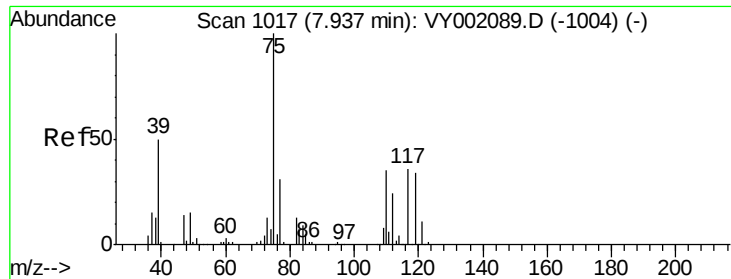
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.4
88	16.5	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 52.637 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002189.D
 Acq: 02 Apr 2020 14:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	84.4	126.6
192	17.8	14.6	21.8

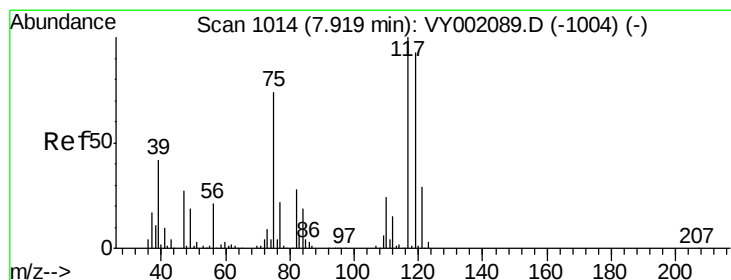
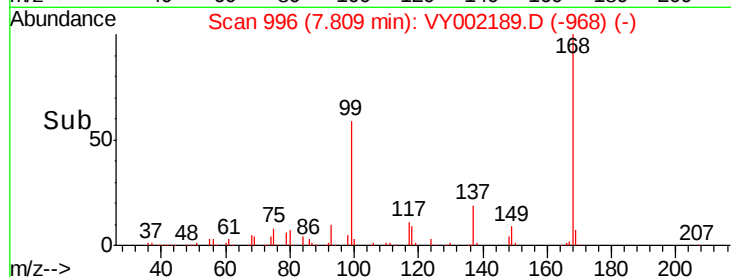
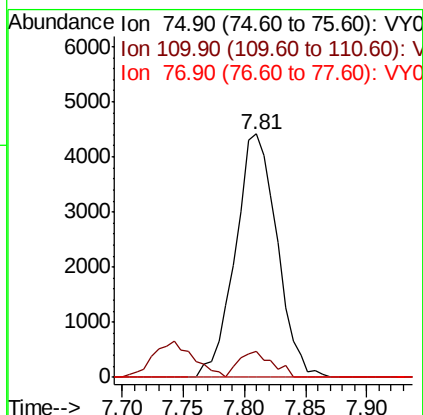
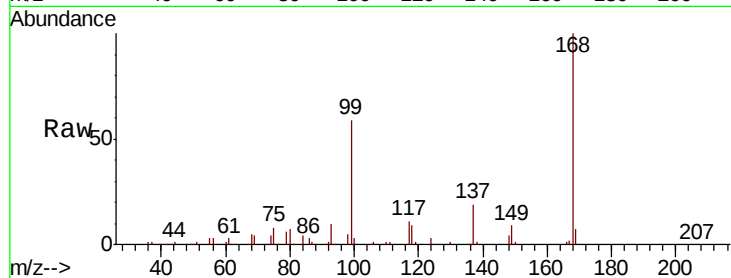




#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002189.D
 Acq: 02 Apr 2020 14:09

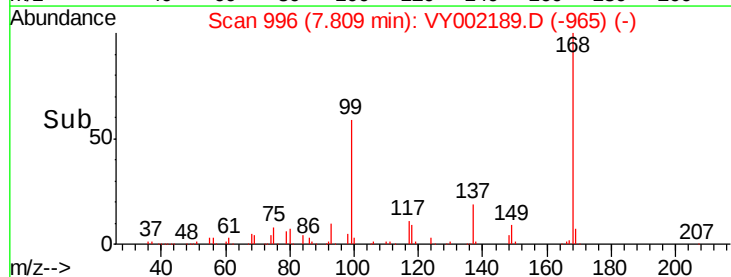
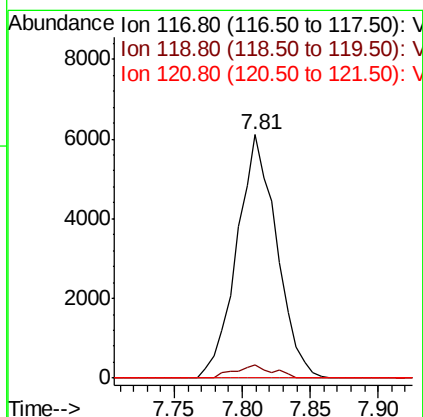
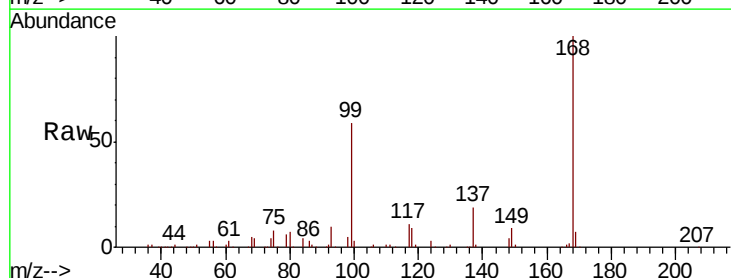
Instrument :
 MSVOA_Y
 ClientSampled :

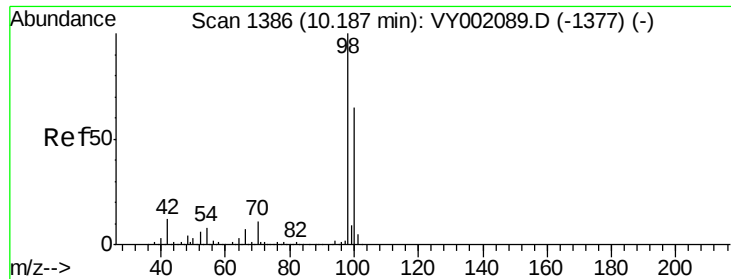
Tot Ion	75	Resp	10464
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.617 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY002189.D
 Acq: 02 Apr 2020 14:09

Tgt Ion	117	Resp	12507
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 53.784 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002189.D

Acq: 02 Apr 2020 14:09

Instrument :

MSVOA_Y

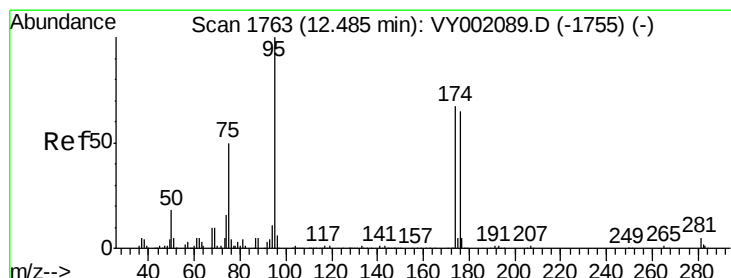
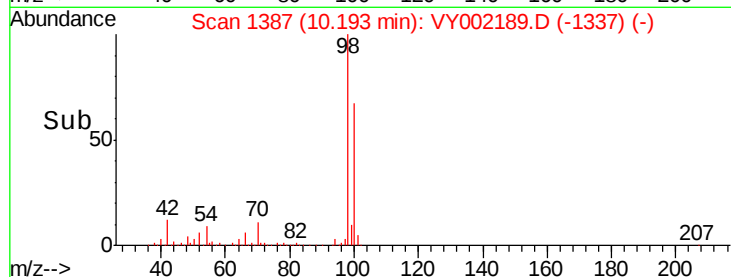
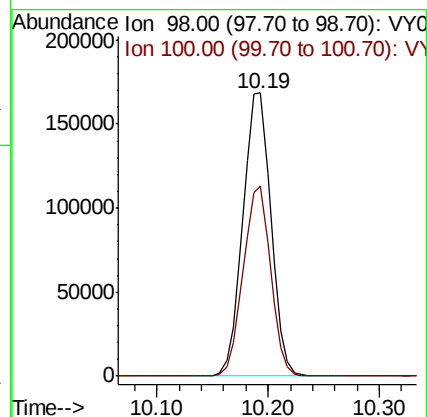
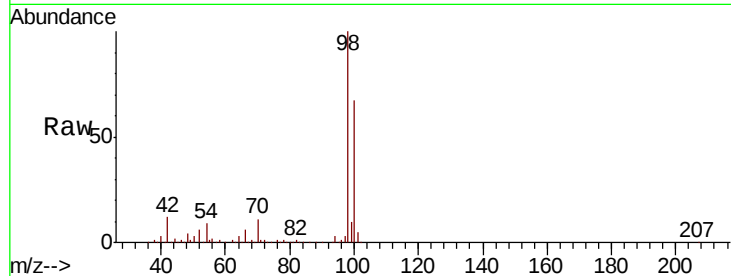
ClientSampleId :

Tot Ion: 98 Resp: 294863

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 53.647 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002189.D

Acq: 02 Apr 2020 14:09

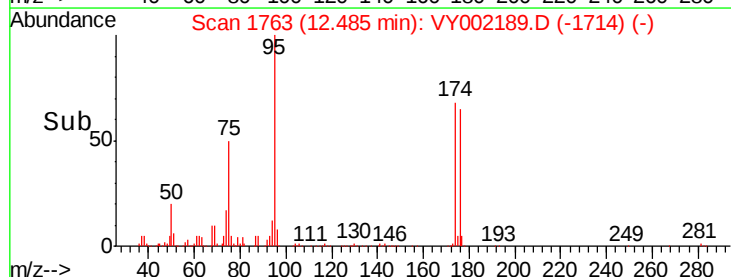
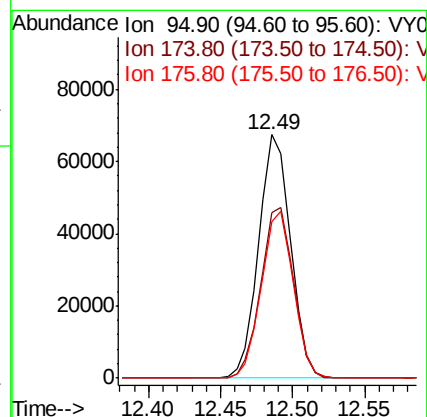
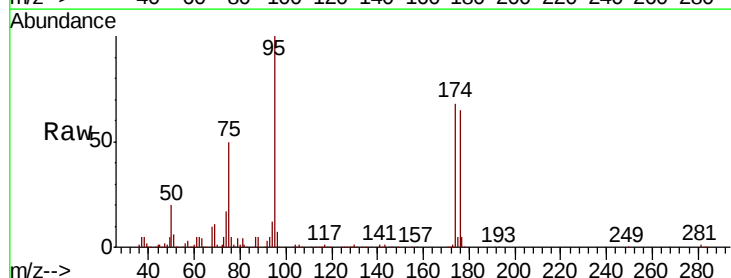
Tgt Ion: 95 Resp: 102862

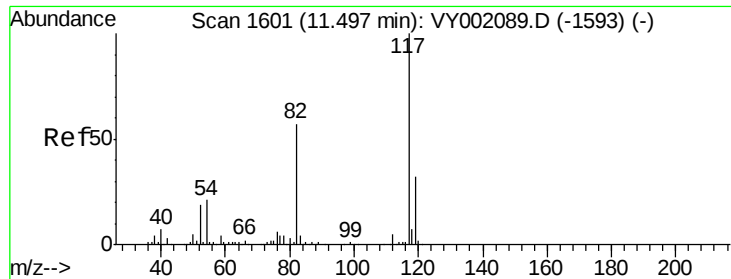
Ion Ratio Lower Upper

95 100

174 72.1 0.0 143.4

176 69.4 0.0 137.0

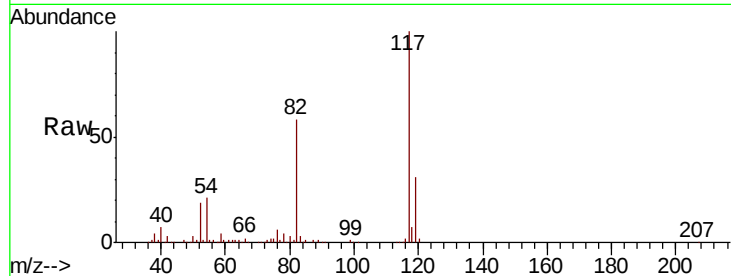




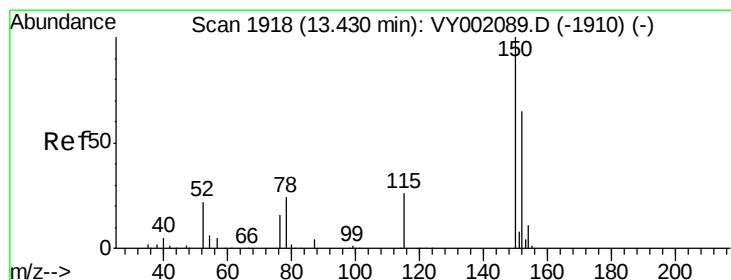
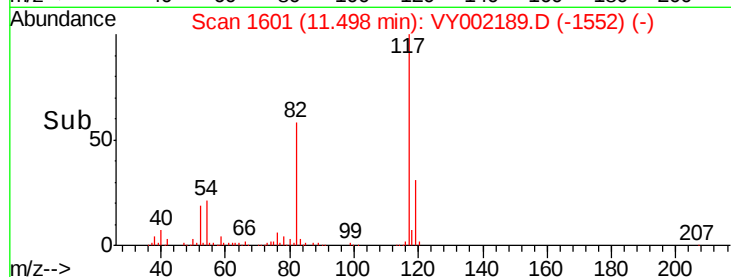
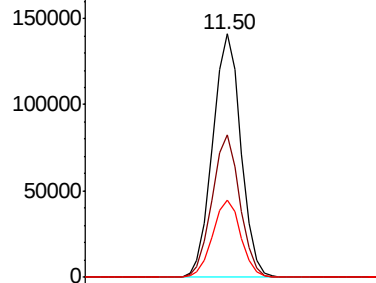
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 225684
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.2
119 31.5 25.3 37.9

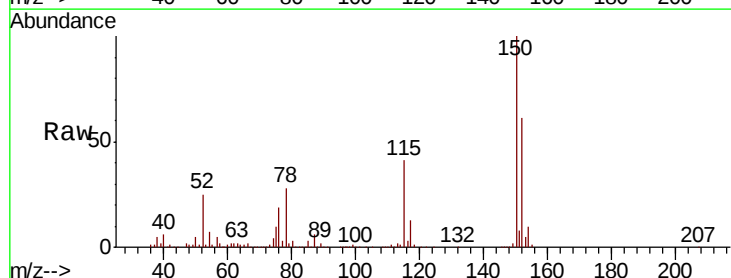


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

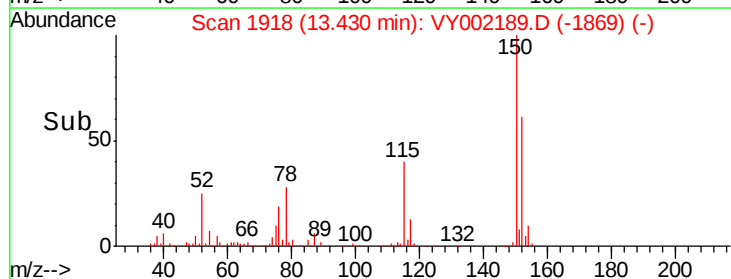
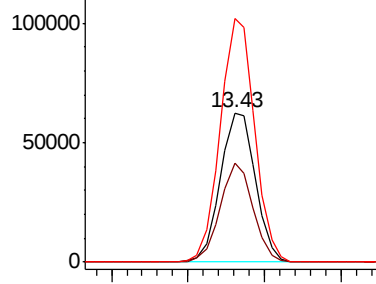


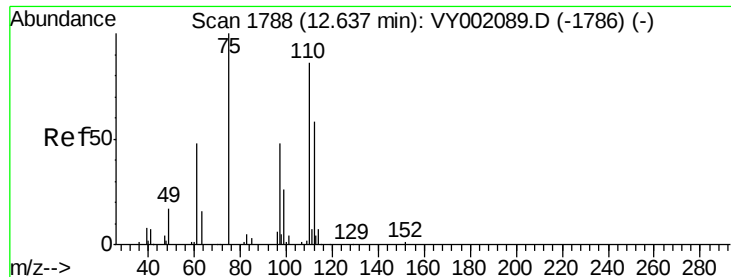
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

Tgt Ion:152 Resp: 99632
Ion Ratio Lower Upper
152 100
115 62.3 31.2 93.6
150 159.4 0.0 354.8



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: 46.742 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002189.D

Acq: 02 Apr 2020 14:09

Instrument :

MSVOA_Y

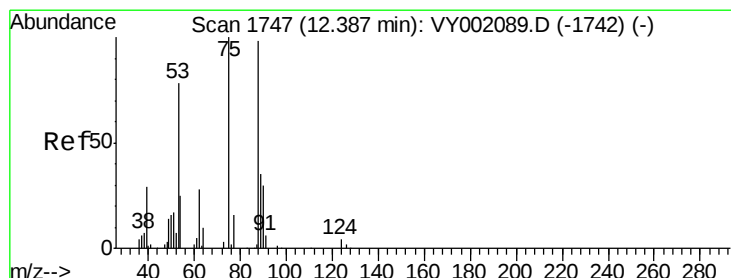
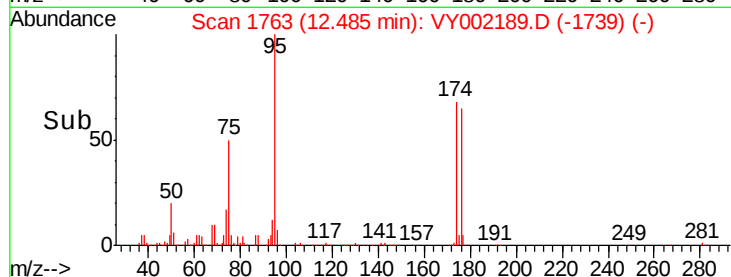
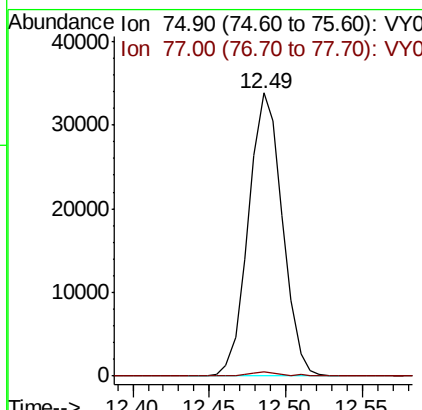
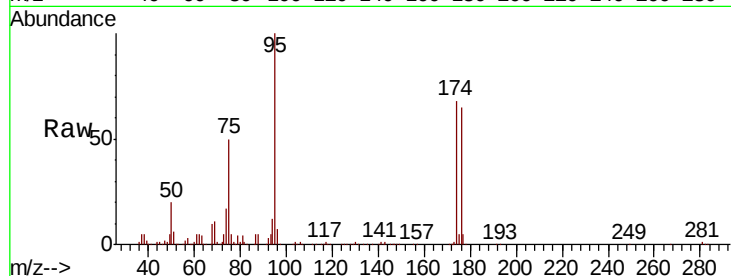
ClientSampleId :

Tot Ion: 75 Resp: 52093

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.556 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002189.D

Acq: 02 Apr 2020 14:09

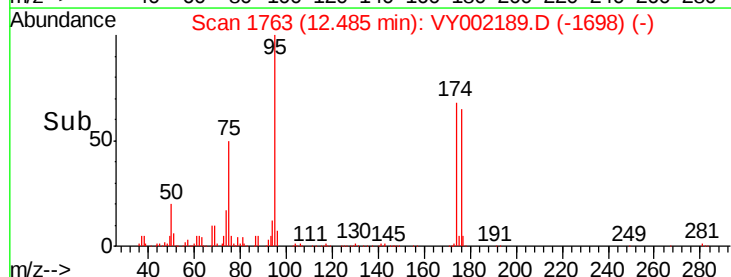
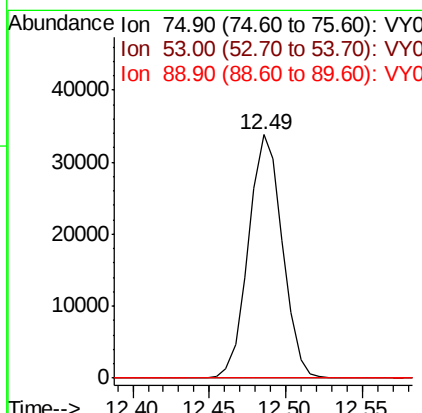
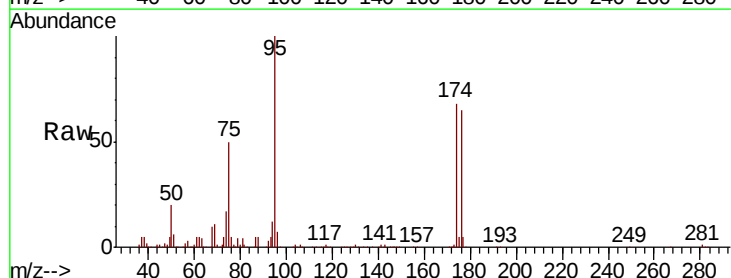
Tgt Ion: 75 Resp: 52093

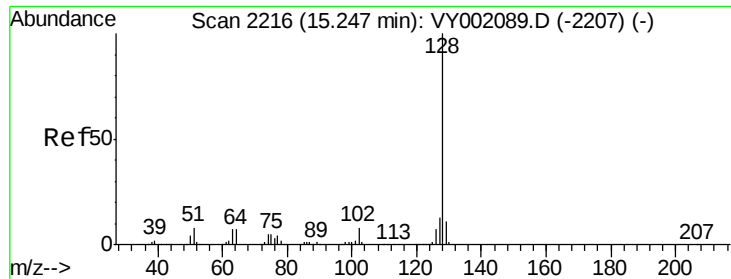
Ion Ratio Lower Upper

75 100

53 0.1 65.0 97.4#

89 0.0 33.4 50.0#





#95
Naphthalene
Concen: 1.337 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002189.D
Acq: 02 Apr 2020 14:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.8	14.8
129	13.1	8.6	13.0

