

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001596.D
 Acq On : 11 Feb 2020 12:21
 Operator : SY/MD
 Sample : L1367-01RE
 Misc : 8.13G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:54:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	163360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	285917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	202286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	50527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	88193	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
35) Dibromofluoromethane	7.74	113	82561	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.19	98	325530	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.49	95	70706	28.77	ug/l	0.00
Spiked Amount			Recovery	=	57.54%	

Target Compounds

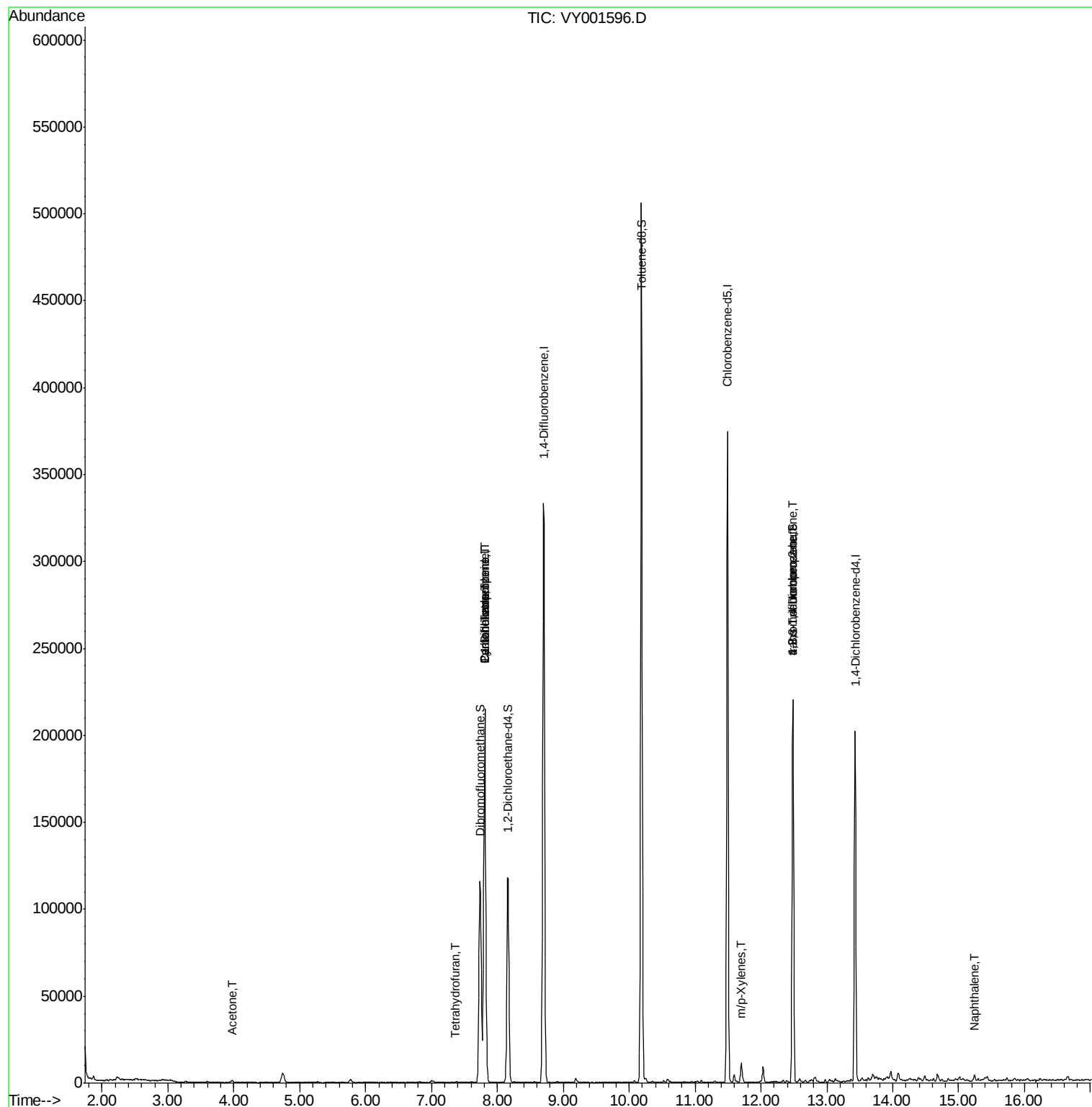
					Qvalue	
11) Tert butyl alcohol	4.98	59	46	Below Cal	#	76
16) Acetone	3.97	43	2216	4.658	ug/l #	84
20) Methylene Chloride	4.74	84	3799	Below Cal	#	88
29) Tetrahydrofuran	7.35	42	417	1.127	ug/l #	31
31) Cyclohexane	7.81	56	3857	1.204	ug/l #	4
36) 1,1-Dichloropropene	7.81	75	13098	5.008	ug/l #	49
38) Carbon Tetrachloride	7.81	117	15790	6.240	ug/l #	17
68) m/p-Xylenes	11.70	106	3376	1.225	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	35328	65.017	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	35328	125.804	ug/l #	16
95) Naphthalene	15.24	128	2701	1.177	ug/l	97

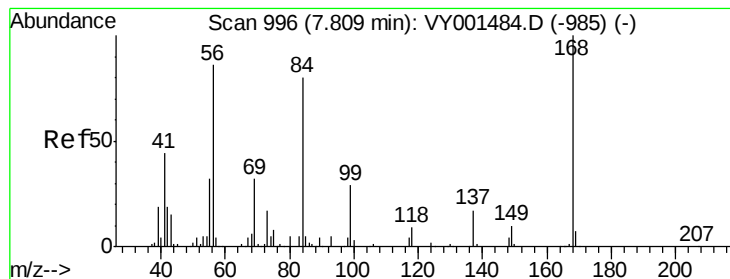
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 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: VY001596.D

Acq: 11 Feb 2020 12:21

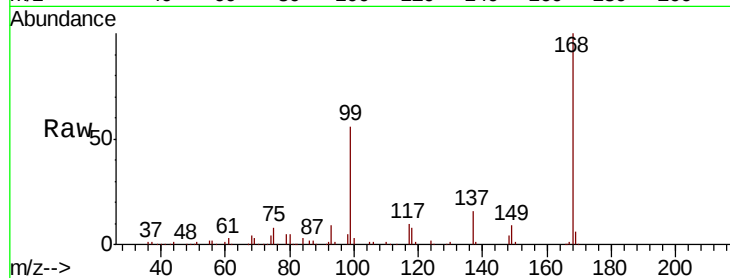
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 163360

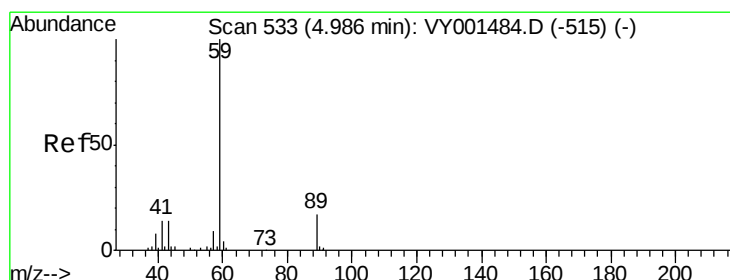
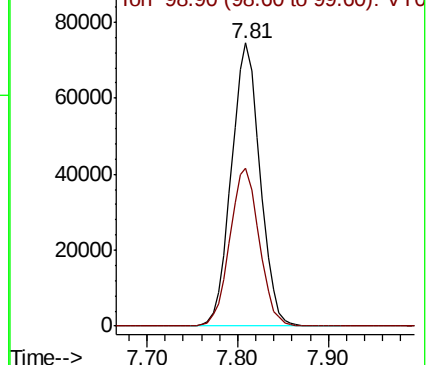
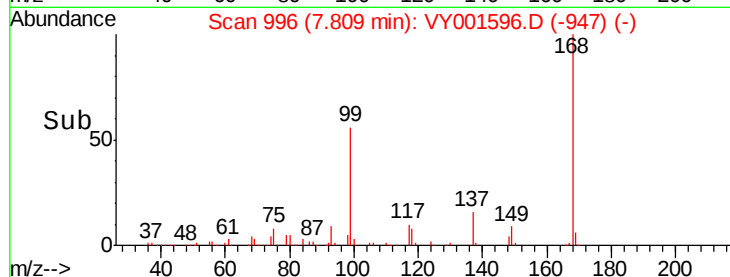
Ion Ratio Lower Upper

168 100

99 55.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001596.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001596.D

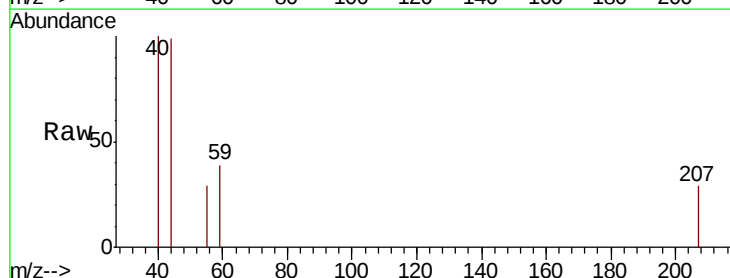
Acq: 11 Feb 2020 12:21

Tgt Ion: 59 Resp: 46

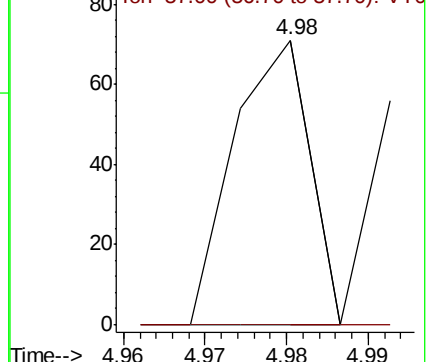
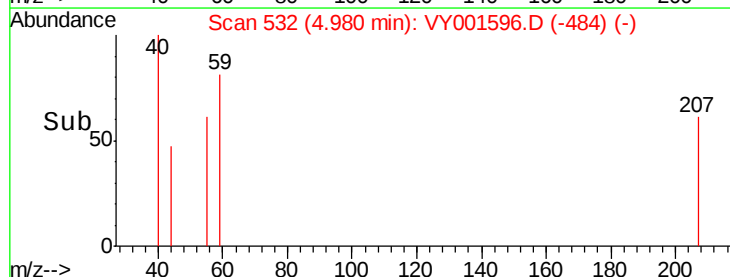
Ion Ratio Lower Upper

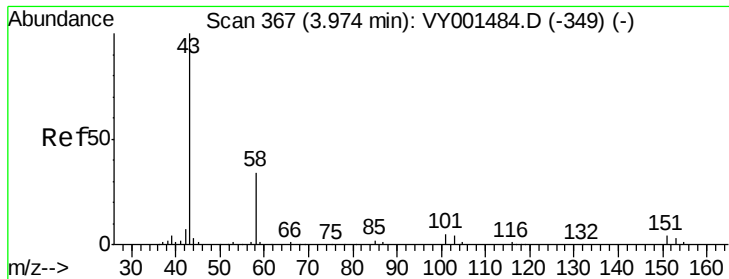
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001596.D (-484) (-)





#16

Acetone

Concen: 4.658 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001596.D

Acq: 11 Feb 2020 12:21

Instrument :

MSVOA_Y

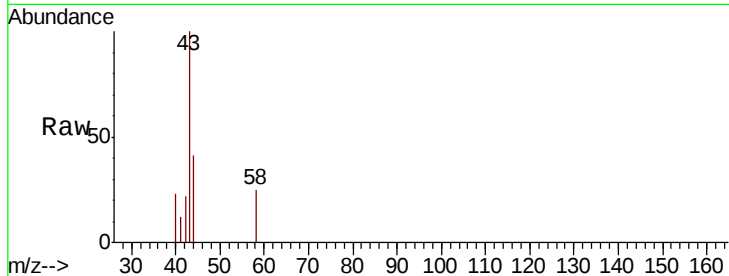
ClientSampleId :

Tot Ion: 43 Resp: 2216

Ion Ratio Lower Upper

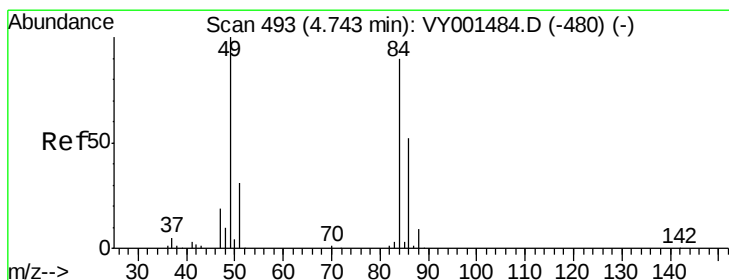
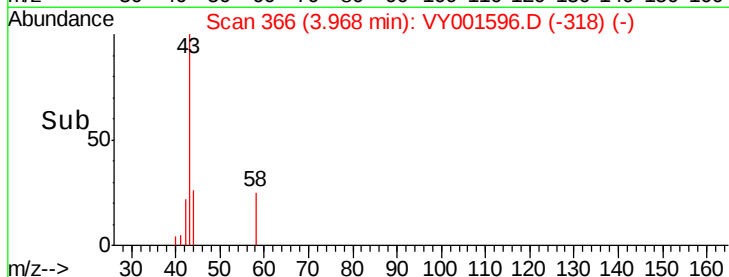
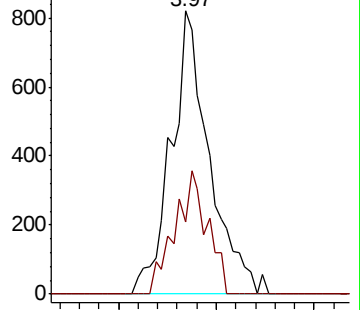
43 100

58 25.2 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-349) (-)

Ion 58.00 (57.70 to 58.70): VY001484.D (-349) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 493

Delta R.T. 0.00 min

Lab File: VY001596.D

Acq: 11 Feb 2020 12:21

Tgt Ion: 84 Resp: 3799

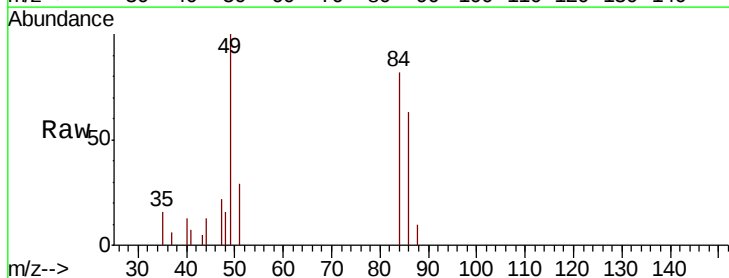
Ion Ratio Lower Upper

84 100

49 121.3 89.0 133.6

51 35.0 27.4 41.2

86 76.9 46.6 70.0#

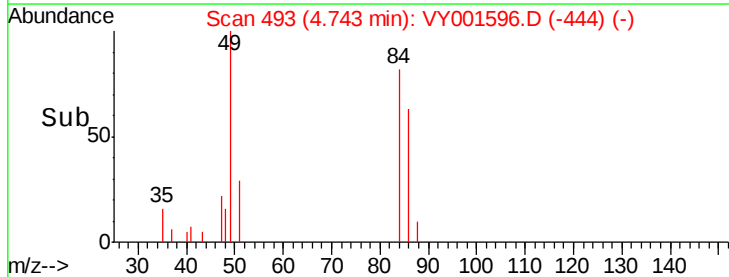
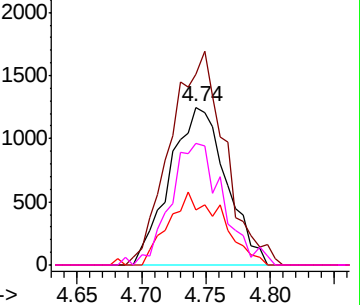


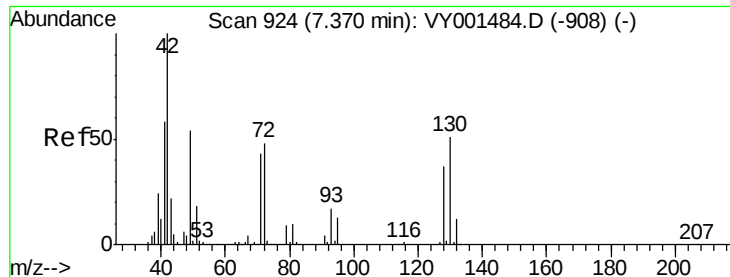
Abundance Ion 83.90 (83.60 to 84.60): VY001484.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001484.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001484.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001484.D (-480) (-)

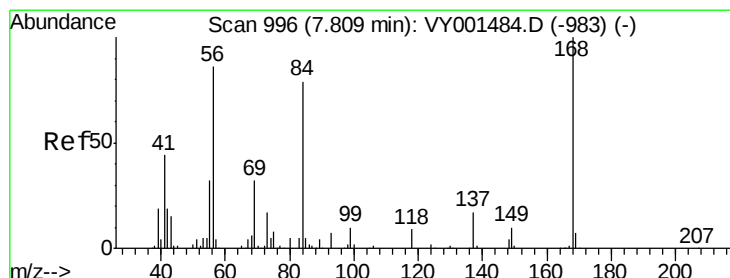
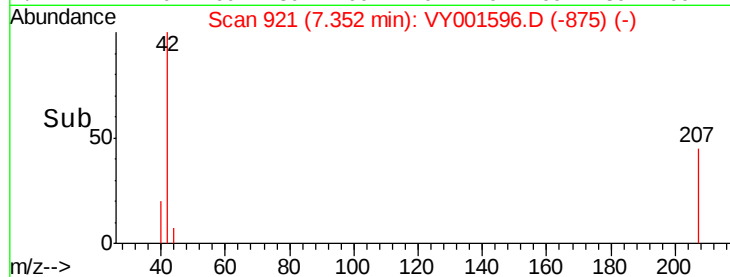
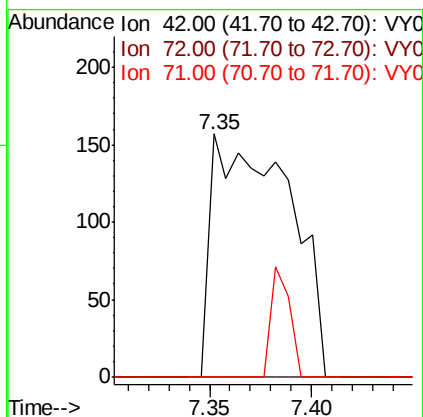
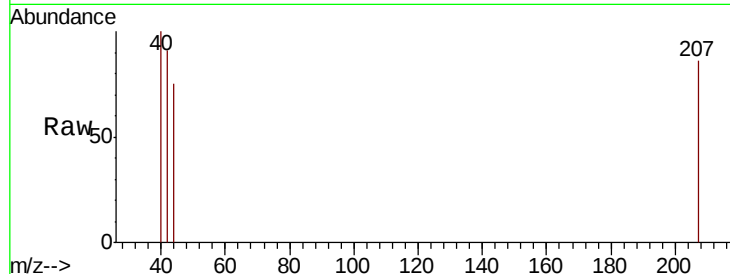




#29
Tetrahydrofuran
Concen: 1.127 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.02 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

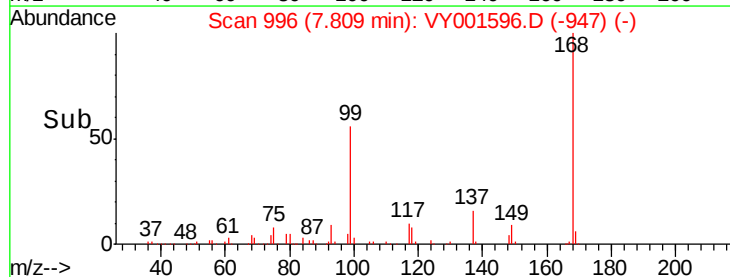
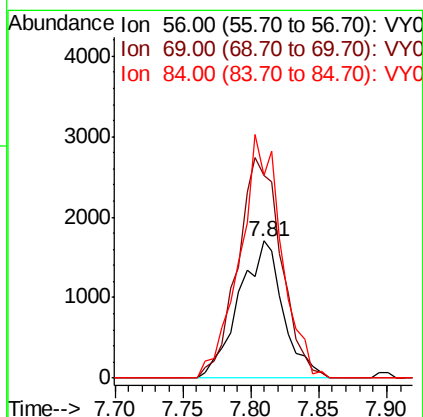
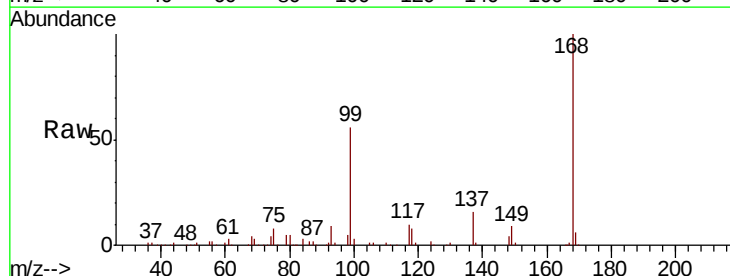
Instrument :
MSVOA_Y
ClientSampled :

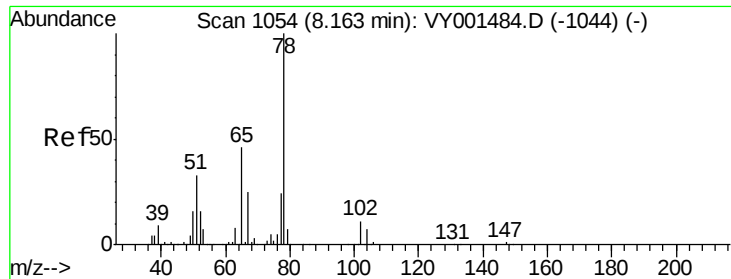
Tot Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 34.8 52.2#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Tgt Ion: 56 Resp: 3857
Ion Ratio Lower Upper
56 100
69 148.3 29.6 44.4#
84 148.2 73.6 110.4#

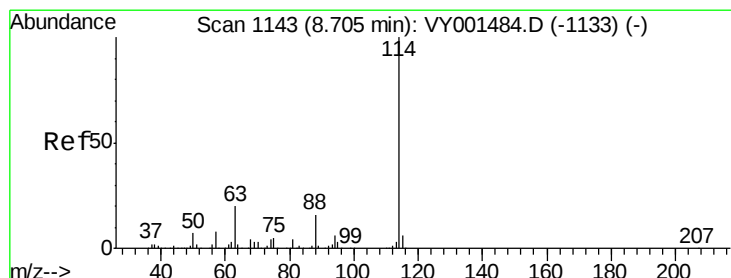
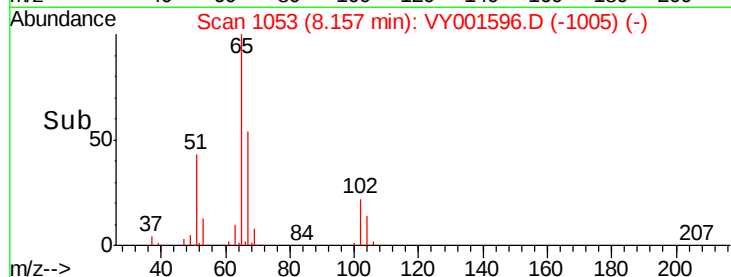
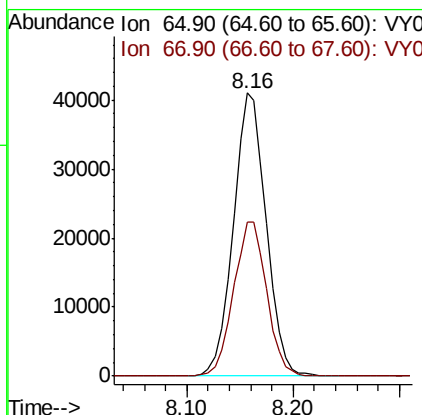
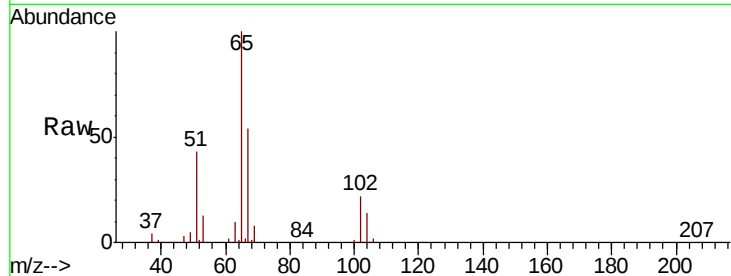




#33
 1,2-Dichloroethane-d4
 Concen: 53.619 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001596.D
 Acq: 11 Feb 2020 12:21

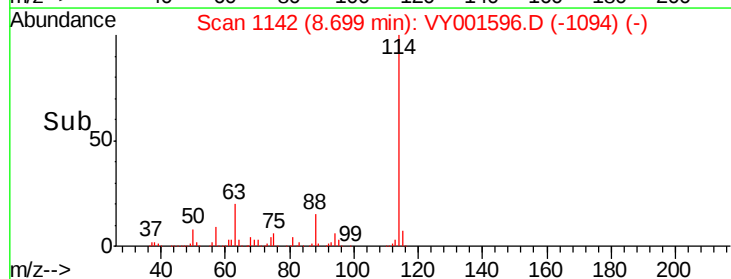
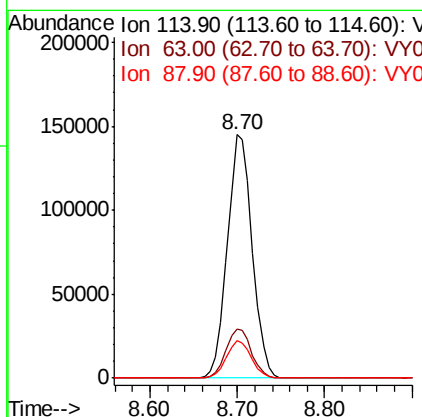
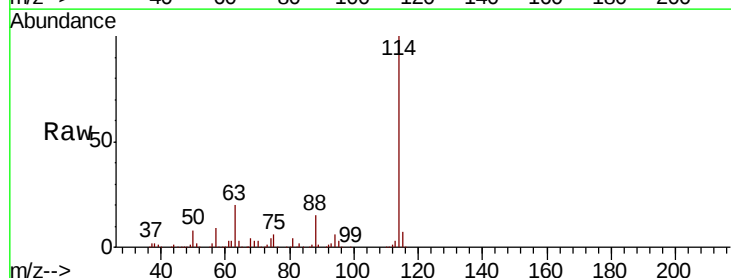
Instrument :
 MSVOA_Y
 ClientSampleId :

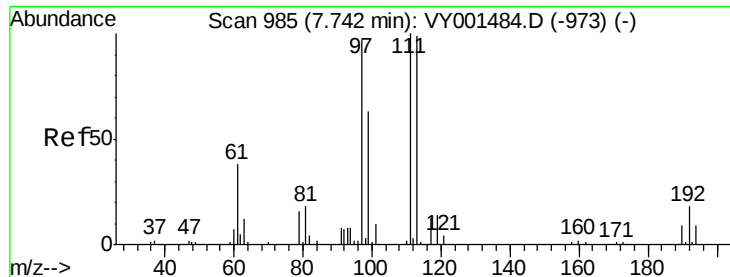
Tot Ion: 65 Resp: 88193
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001596.D
 Acq: 11 Feb 2020 12:21

Tgt Ion: 114 Resp: 285917
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.075 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001596.D

Acq: 11 Feb 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :

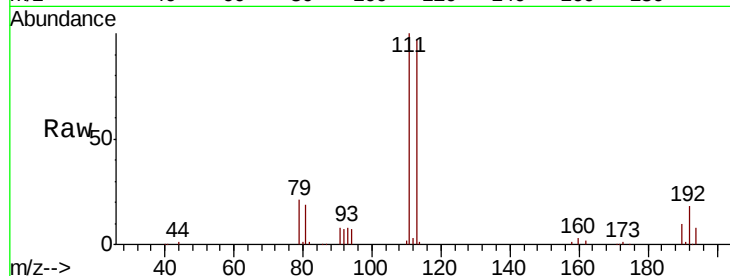
Tot Ion:113 Resp: 82561

Ion Ratio Lower Upper

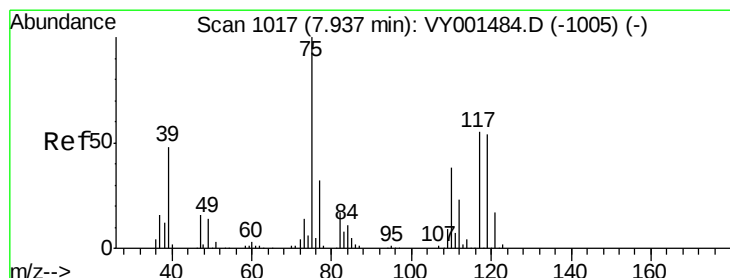
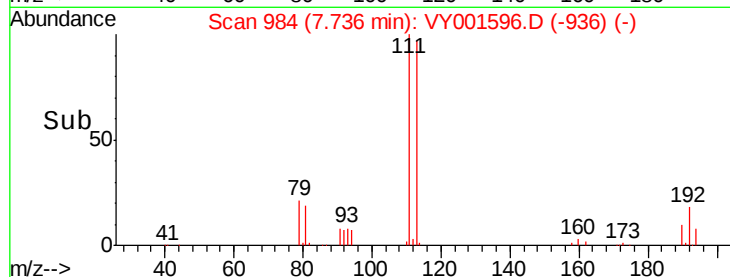
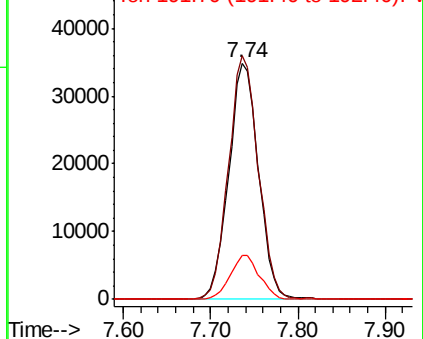
113 100

111 103.0 82.9 124.3

192 18.5 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.008 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001596.D

Acq: 11 Feb 2020 12:21

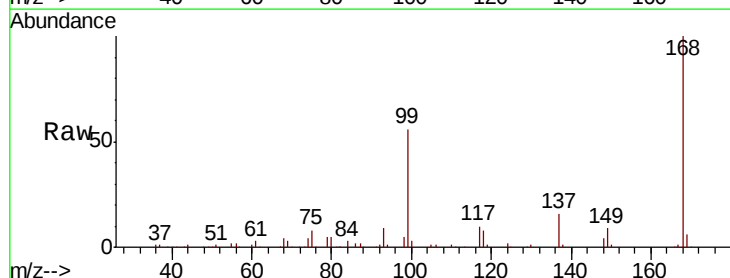
Tgt Ion: 75 Resp: 13098

Ion Ratio Lower Upper

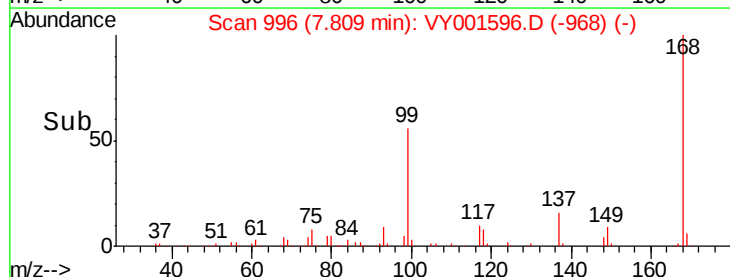
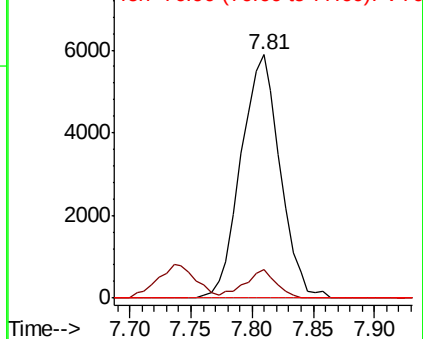
75 100

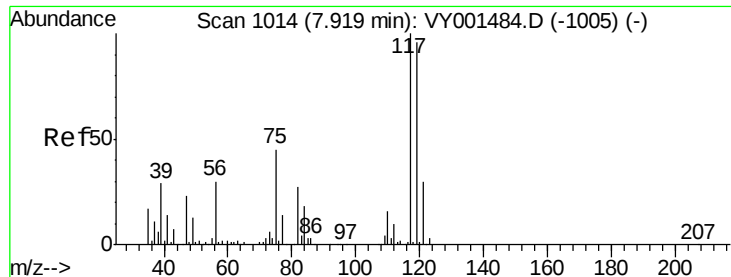
110 9.3 18.2 54.6#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

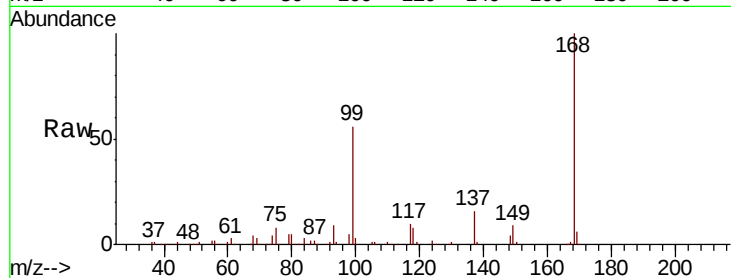




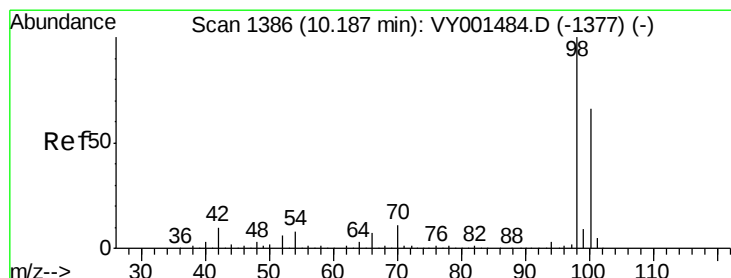
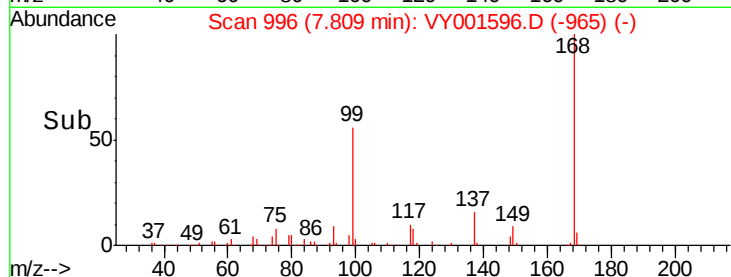
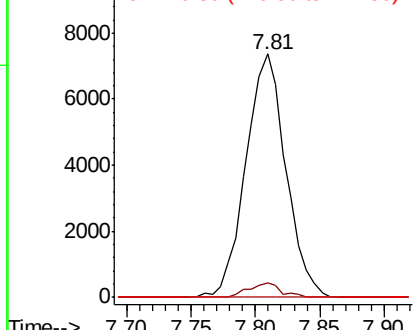
#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 15790
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 24.2 36.4#

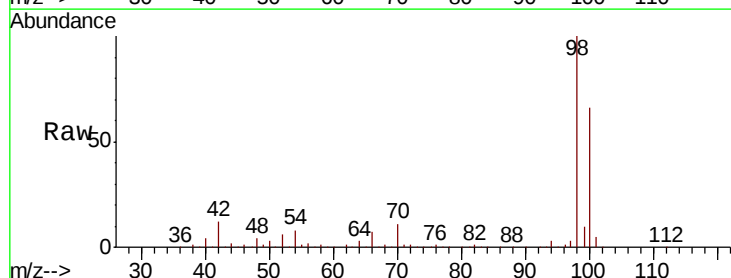


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

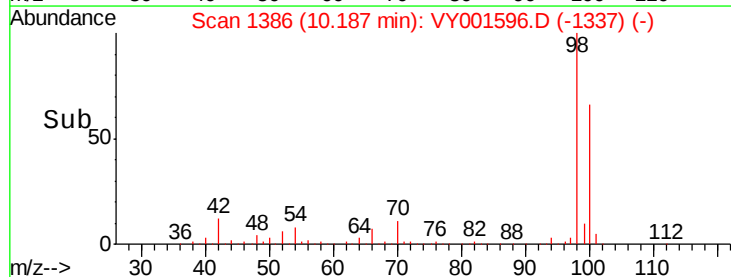
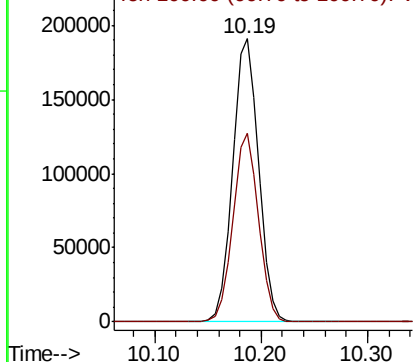


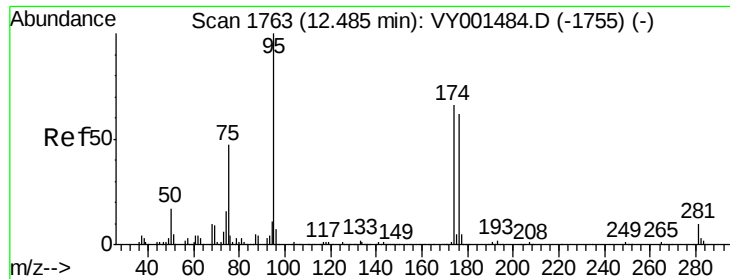
#50
Toluene-d8
Concen: 52.186 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Tgt Ion: 98 Resp: 325530
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



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

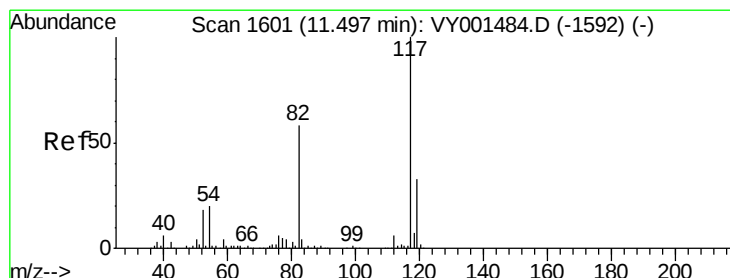
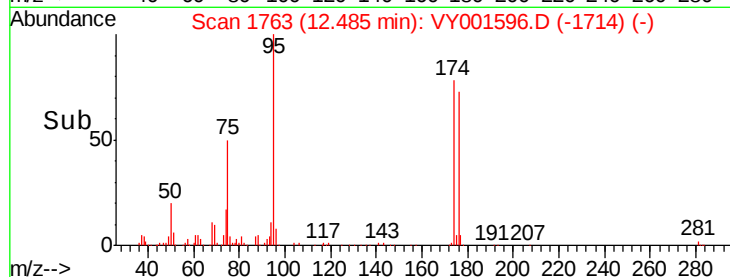
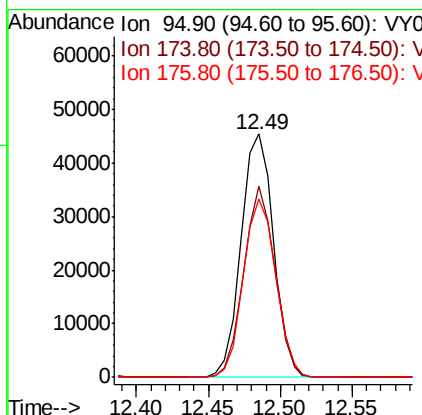
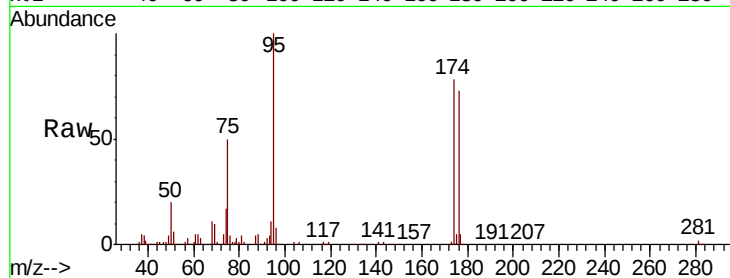




#62
4-Bromofluorobenzene
Concen: 28.773 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

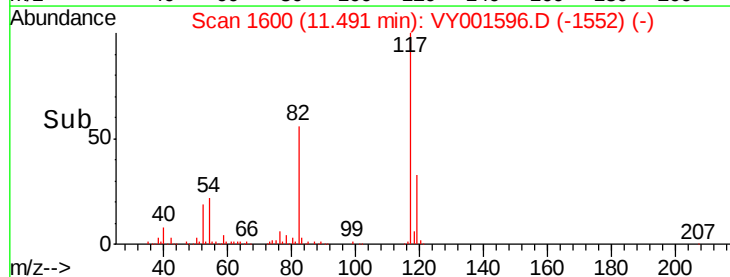
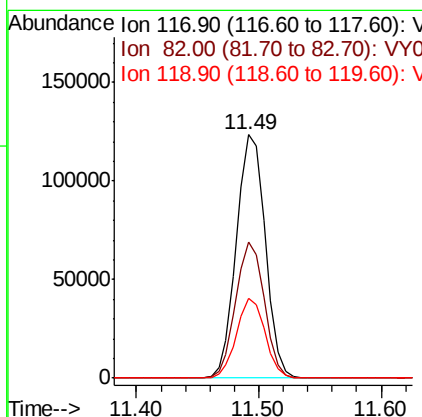
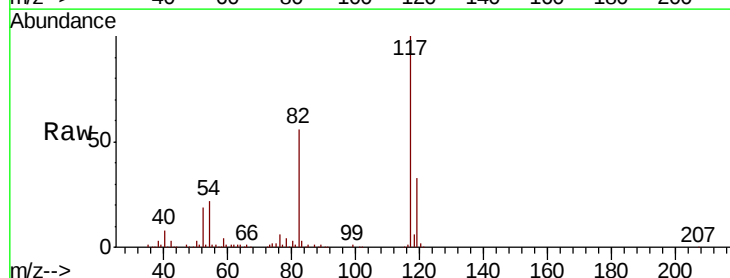
Instrument :
MSVOA_Y
ClientSampleId :

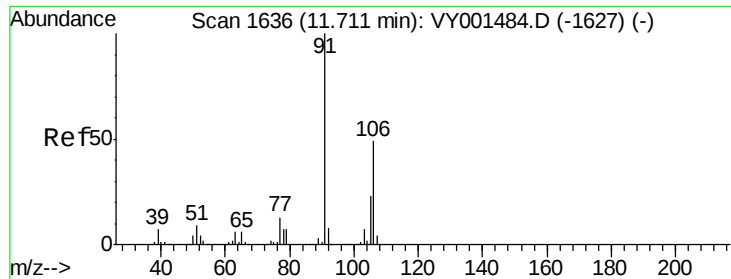
Tot Ion	95	Resp	70706
Ion Ratio	Lower	Upper	
95	100		
174	75.7	0.0	141.4
176	73.4	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Tgt Ion	117	Resp	202286
Ion Ratio	Lower	Upper	
117	100		
82	56.0	46.1	69.1
119	32.6	26.1	39.1

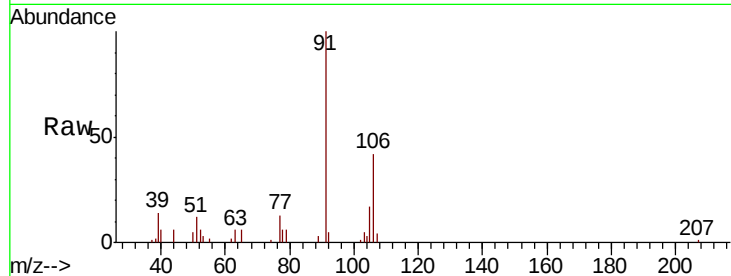




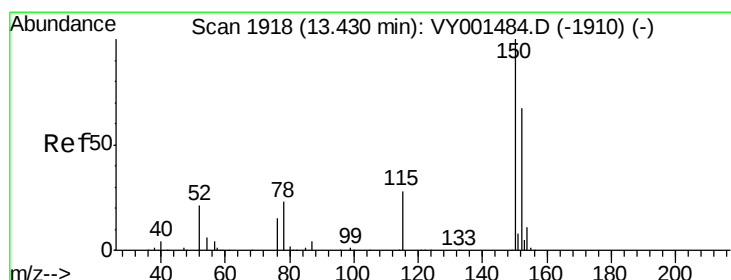
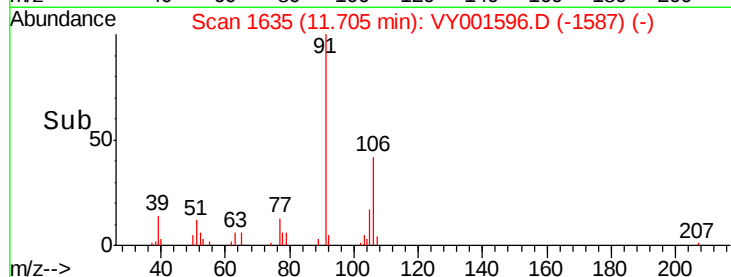
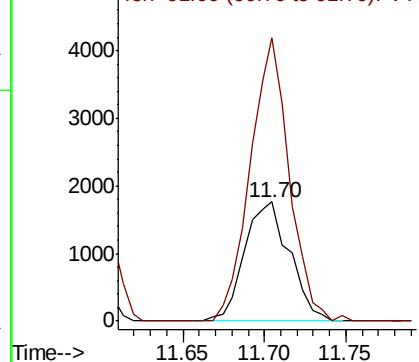
#68
m/p-Xvlenes
Concen: 1.225 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 3376
Ion Ratio Lower Upper
106 100
91 205.9 163.6 245.4

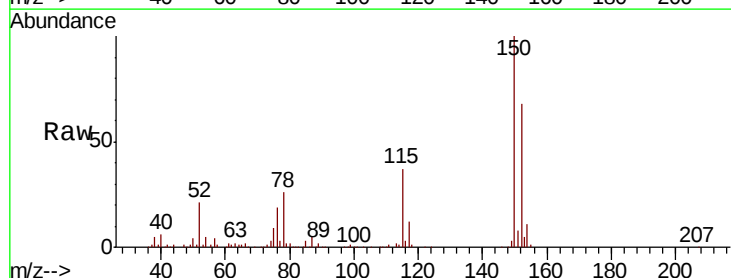


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

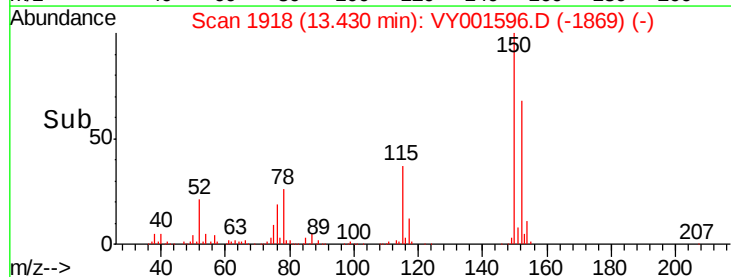
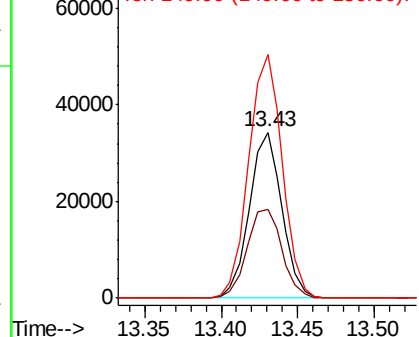


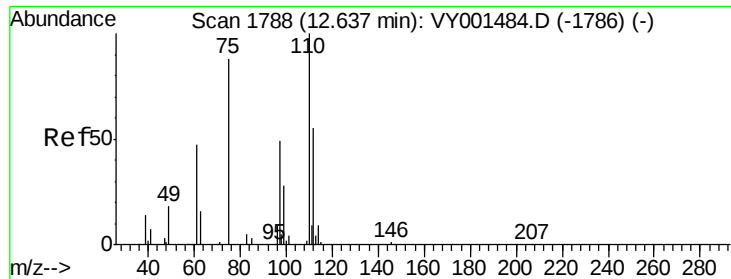
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Tgt Ion:152 Resp: 50527
Ion Ratio Lower Upper
152 100
115 57.6 31.4 94.3
150 151.9 0.0 346.8



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: 65.017 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001596.D

Acq: 11 Feb 2020 12:21

Instrument :

MSVOA_Y

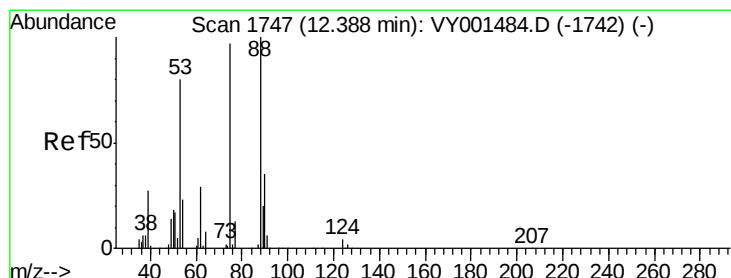
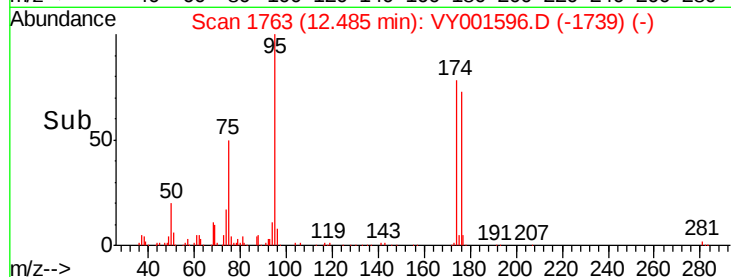
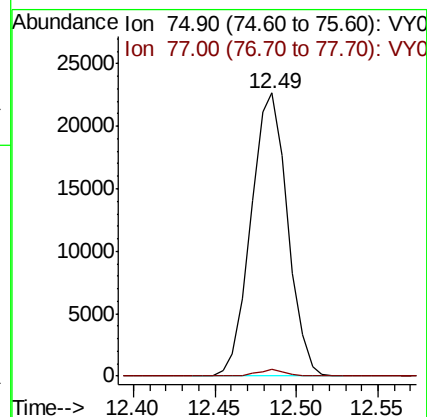
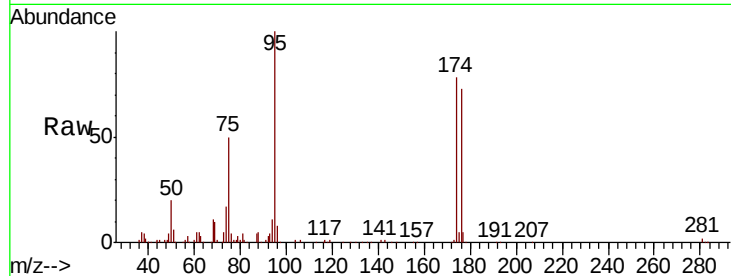
ClientSampled :

Tot Ion: 75 Resp: 35328

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.804 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001596.D

Acq: 11 Feb 2020 12:21

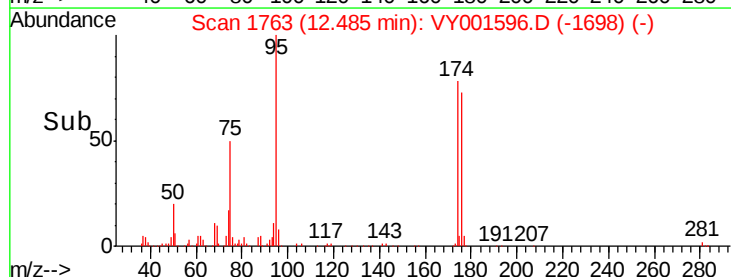
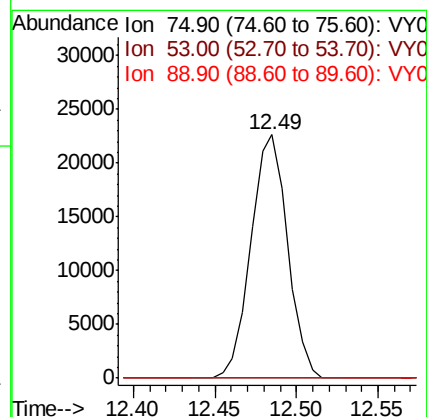
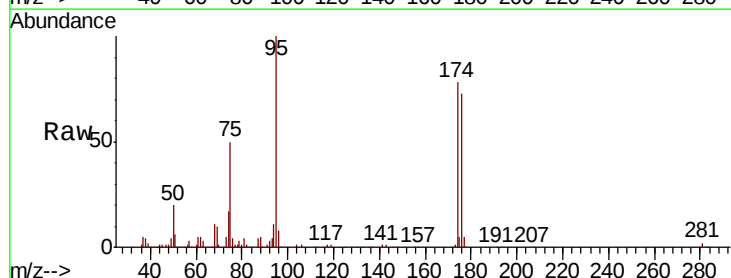
Tgt Ion: 75 Resp: 35328

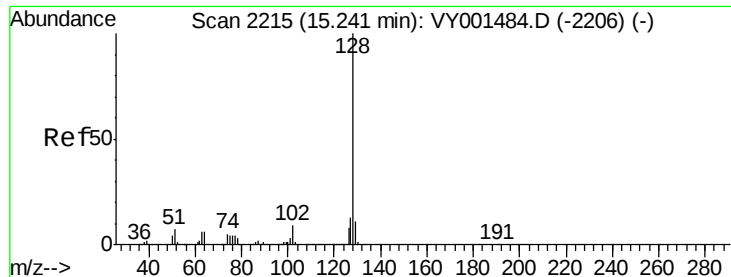
Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 34.6 52.0#

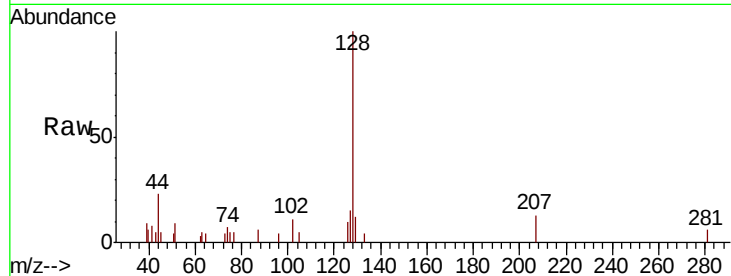




#95
Naphthalene
Concen: 1.177 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001596.D
Acq: 11 Feb 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.1	15.1
129	11.7	8.9	13.3



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

