

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001585.D
 Acq On : 10 Feb 2020 14:57
 Operator : SY/MD
 Sample : L1452-01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 05:58:50 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	7.82	168	170707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	300705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	238473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	76219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	96626	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
35) Dibromofluoromethane	7.74	113	87899	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.19	98	347006	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.49	95	94780	36.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.34%	

Target Compounds

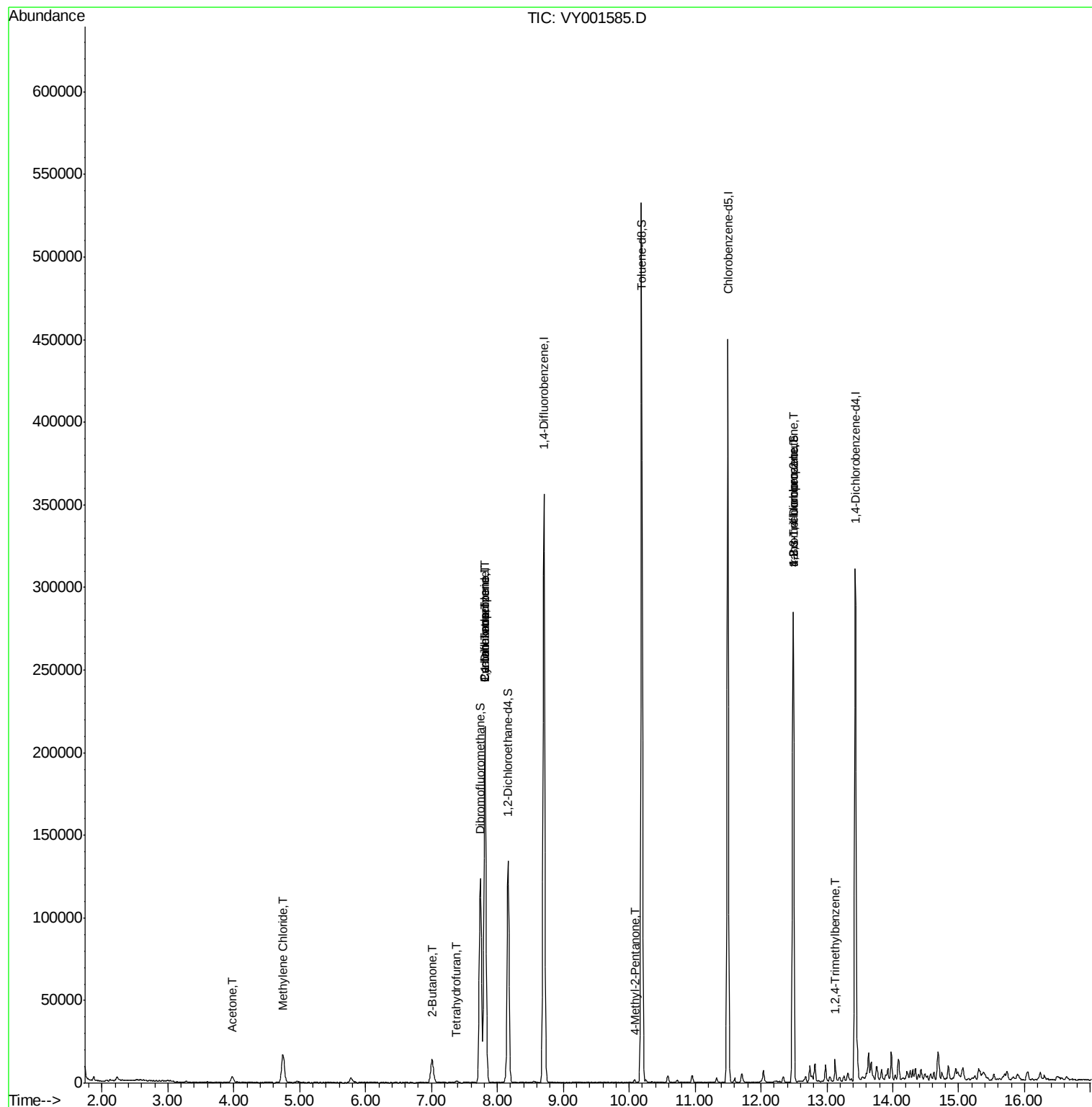
					Qvalue	
11) Tert butyl alcohol	4.96	59	728	Below Cal	#	76
16) Acetone	3.97	43	6805	13.687	ug/l #	86
20) Methylene Chloride	4.75	84	13044	2.180	ug/l	95
25) 2-Butanone	7.02	43	2744	4.254	ug/l #	74
29) Tetrahydrofuran	7.36	42	532	1.376	ug/l #	31
31) Cyclohexane	7.81	56	3689	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13500	4.908	ug/l #	48
38) Carbon Tetrachloride	7.81	117	16862	6.336	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	1300	1.001	ug/l #	78
76) 1,2,3-Trichloropropane	12.49	75	47740	58.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	47740	112.699	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.13	105	7190	1.484	ug/l	97

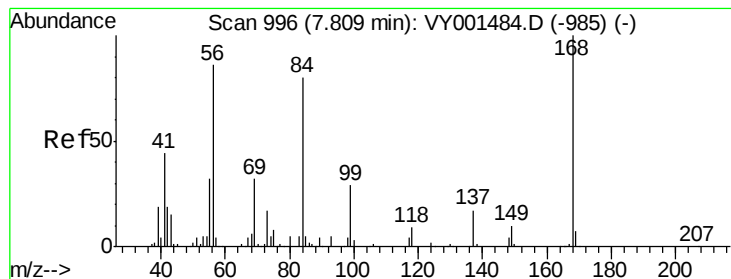
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :

MSVOA_Y

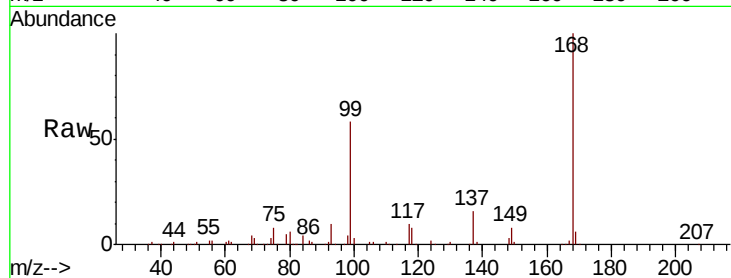
ClientSampleId :

Tot Ion:168 Resp: 170707

Ion Ratio Lower Upper

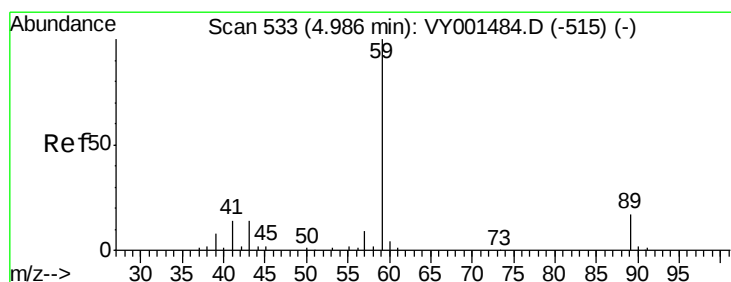
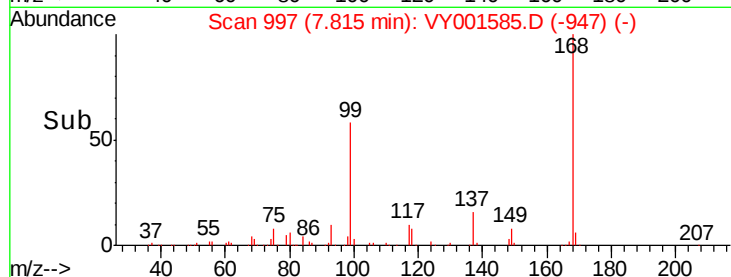
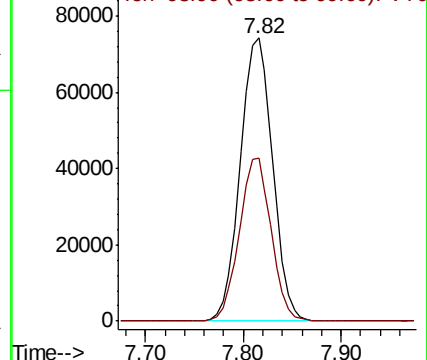
168 100

99 57.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001585.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001585.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.02 min

Lab File: VY001585.D

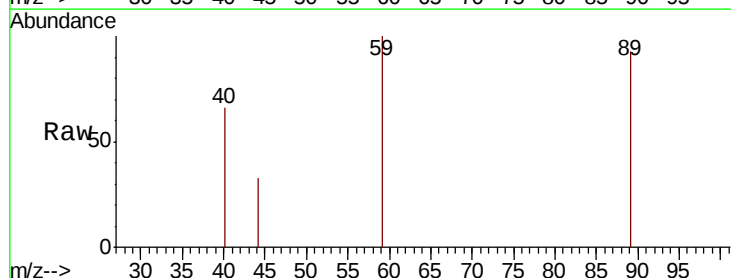
Acq: 10 Feb 2020 14:57

Tgt Ion: 59 Resp: 728

Ion Ratio Lower Upper

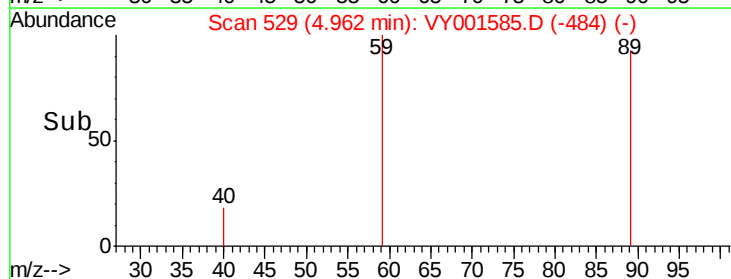
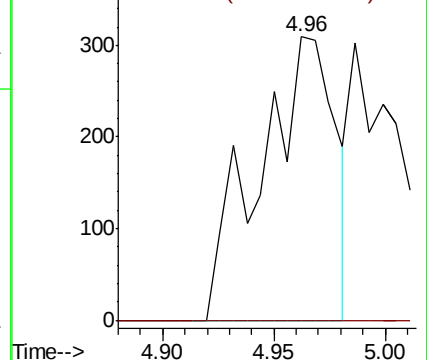
59 100

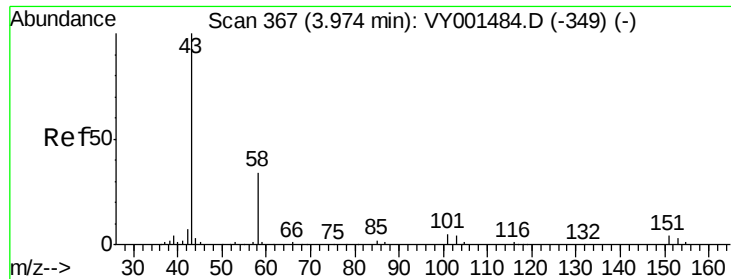
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001585.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001585.D (-484) (-)

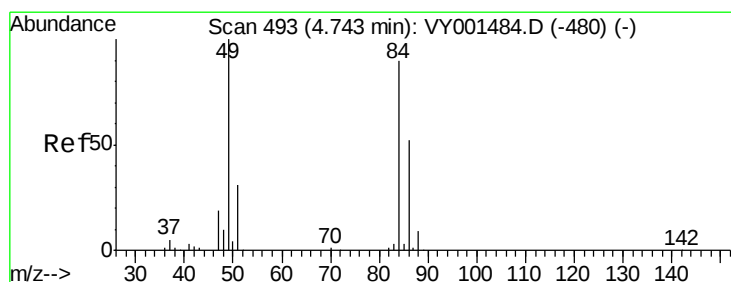
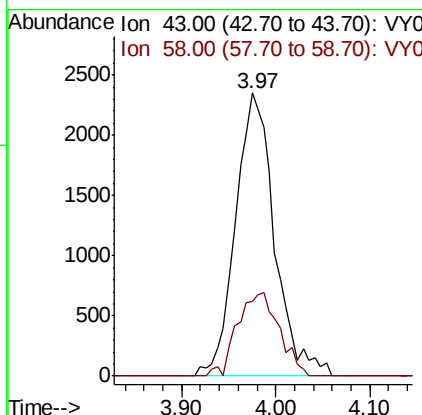
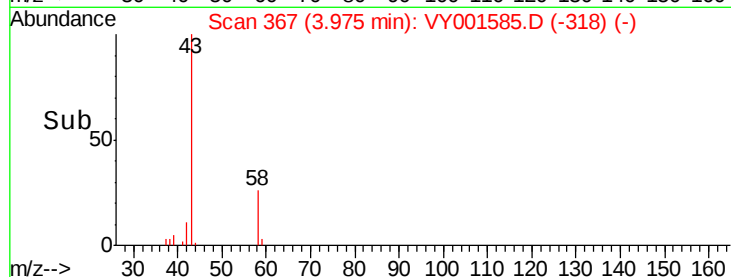
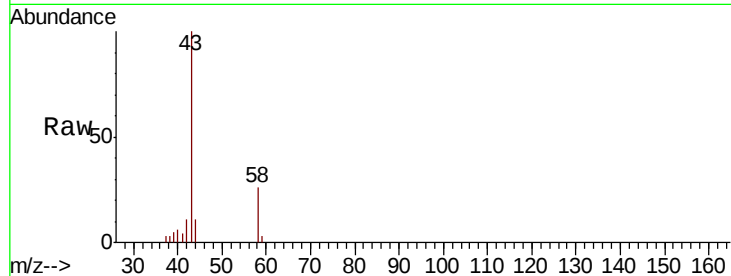




#16
Acetone
Concen: 13.687 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY001585.D
Acq: 10 Feb 2020 14:57

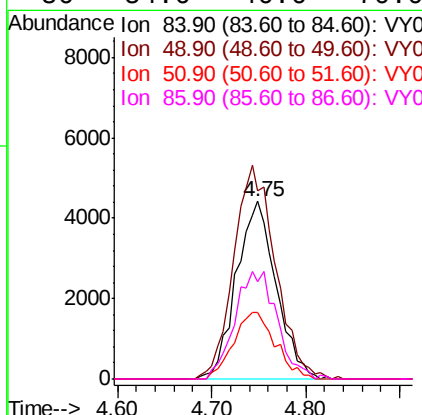
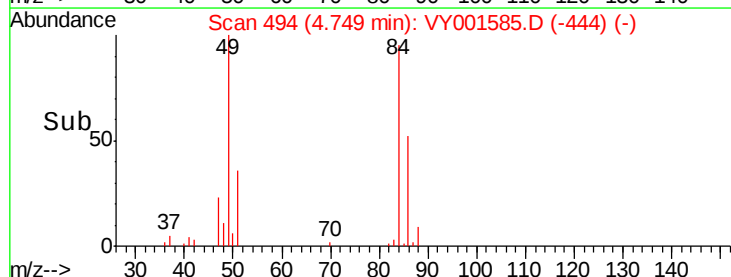
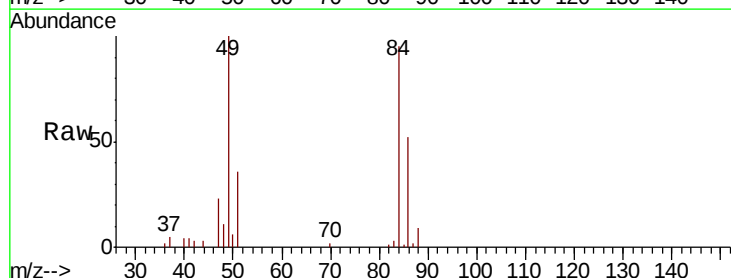
Instrument :
MSVOA_Y
ClientSampleId :

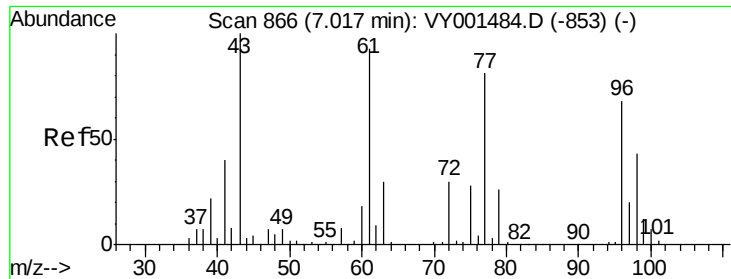
Tot Ion: 43 Resp: 6805
Ion Ratio Lower Upper
43 100
58 26.5 27.5 41.3#



#20
Methylene Chloride
Concen: 2.180 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001585.D
Acq: 10 Feb 2020 14:57

Tgt Ion: 84 Resp: 13044
Ion Ratio Lower Upper
84 100
49 105.8 89.0 133.6
51 37.9 27.4 41.2
86 54.6 46.6 70.0





#25

2-Butanone

Concen: 4.254 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :

MSVOA_Y

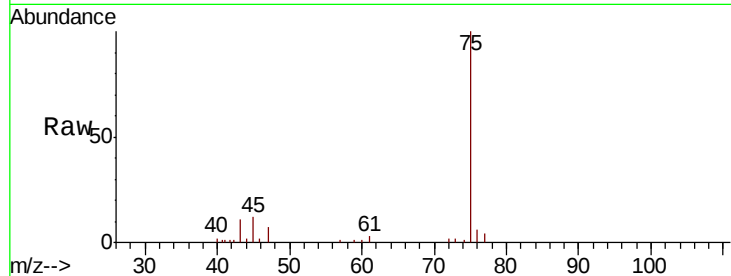
ClientSampleId :

Tot Ion: 43 Resp: 2744

Ion Ratio Lower Upper

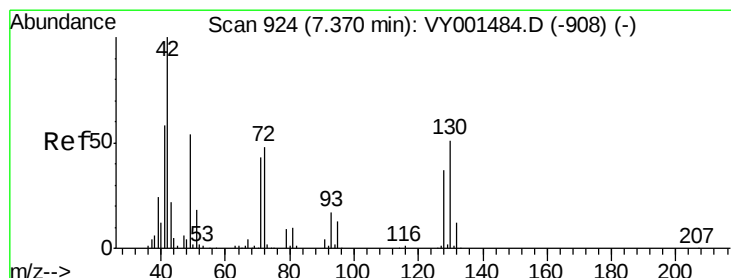
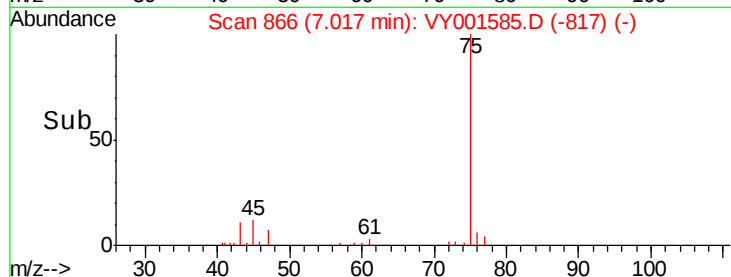
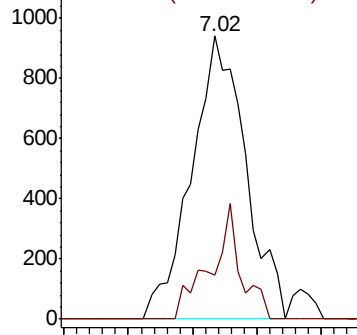
43 100

72 15.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.376 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.01 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

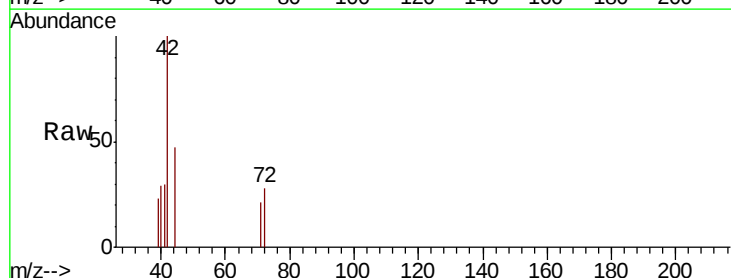
Tgt Ion: 42 Resp: 532

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

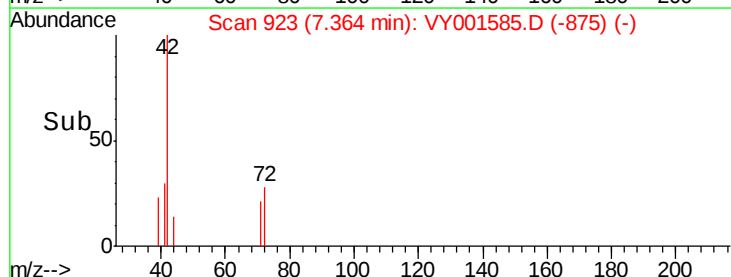
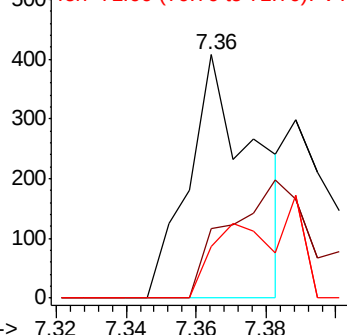
71 0.0 34.8 52.2#

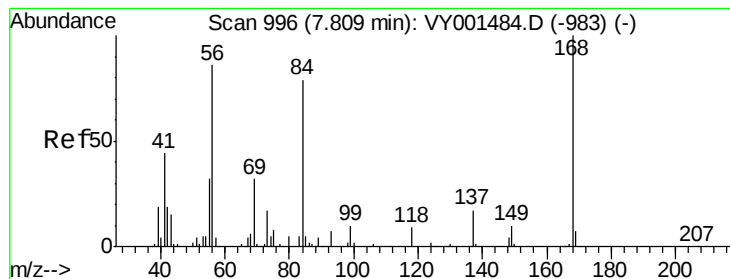


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :

MSVOA_Y

ClientSampled :

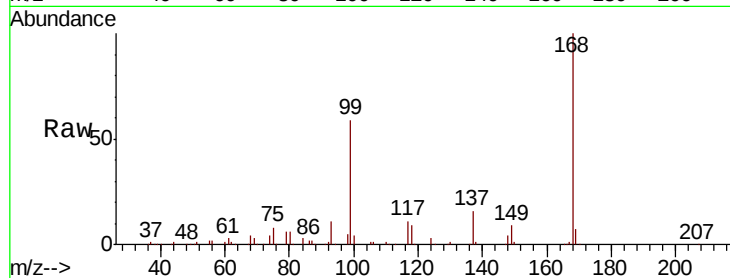
Tot Ion: 56 Resp: 3689

Ion Ratio Lower Upper

56 100

69 163.0 29.6 44.4#

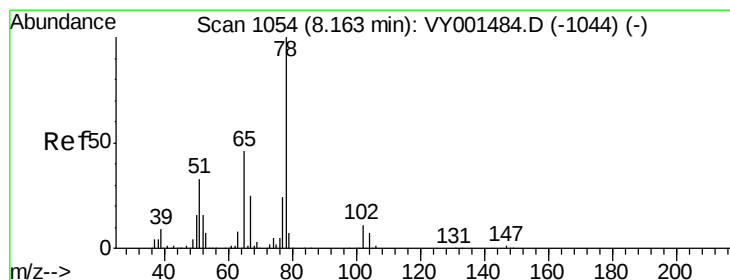
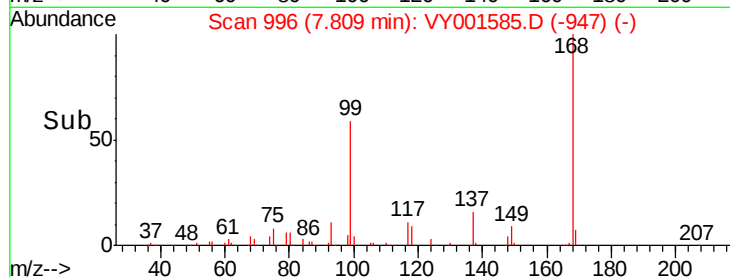
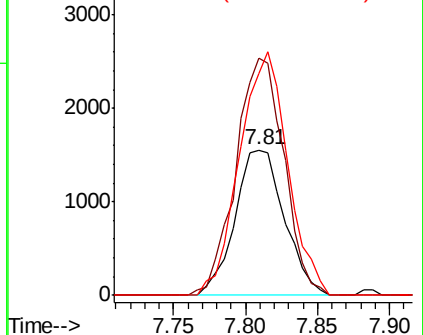
84 152.4 73.6 110.4#



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: 56.218 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001585.D

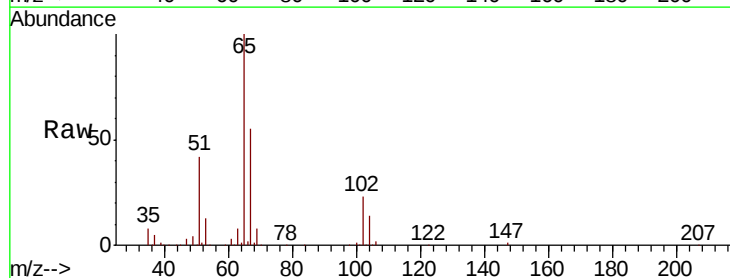
Acq: 10 Feb 2020 14:57

Tgt Ion: 65 Resp: 96626

Ion Ratio Lower Upper

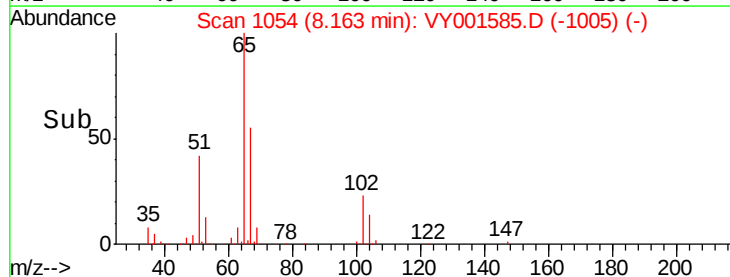
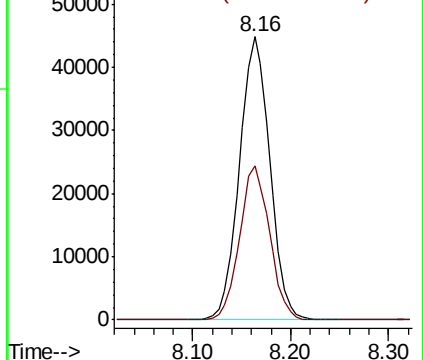
65 100

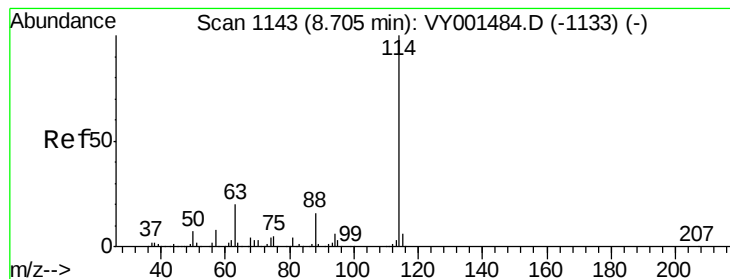
67 53.6 0.0 108.6



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: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :

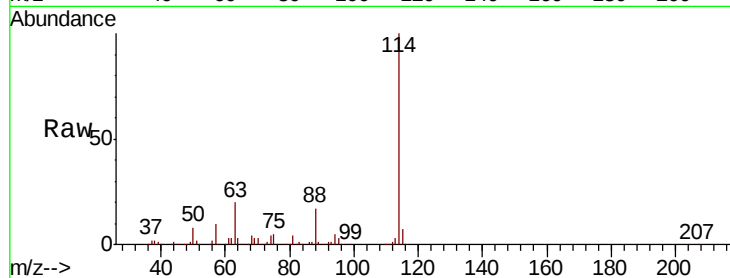
Tot Ion:114 Resp: 300705

Ion Ratio Lower Upper

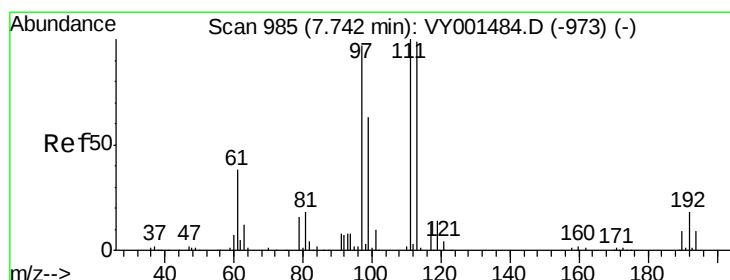
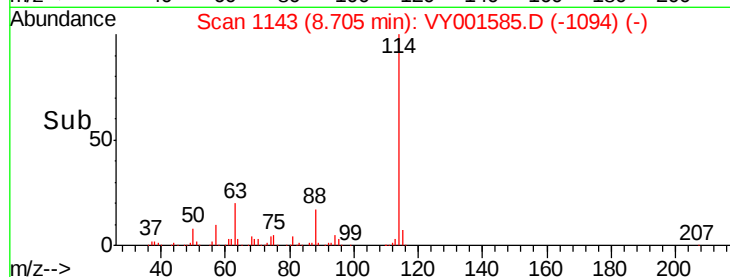
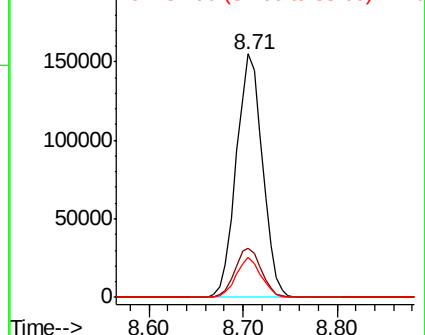
114 100

63 20.2 0.0 39.8

88 16.7 0.0 32.6



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: 50.691 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

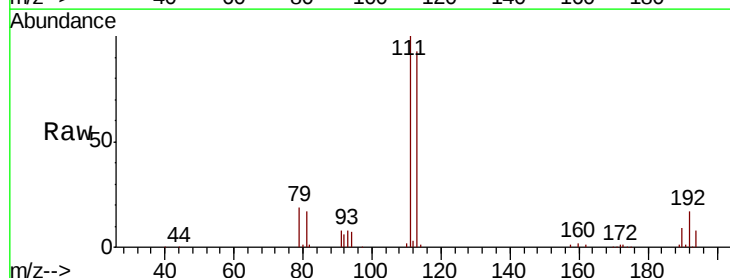
Tgt Ion:113 Resp: 87899

Ion Ratio Lower Upper

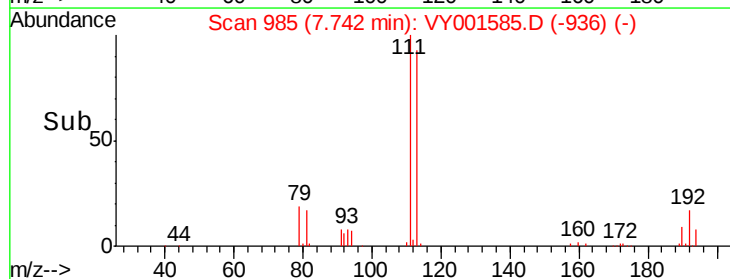
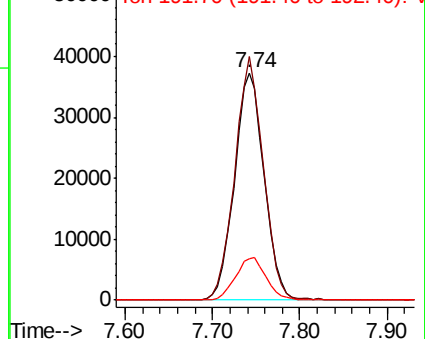
113 100

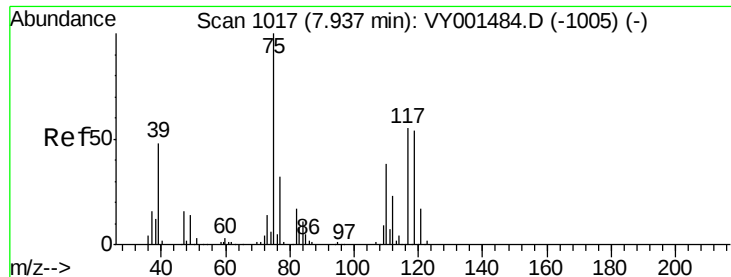
111 102.9 82.9 124.3

192 19.1 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

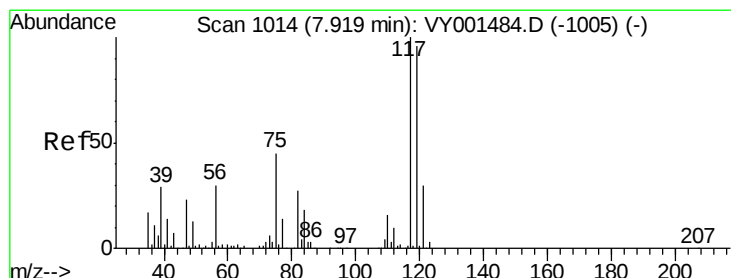
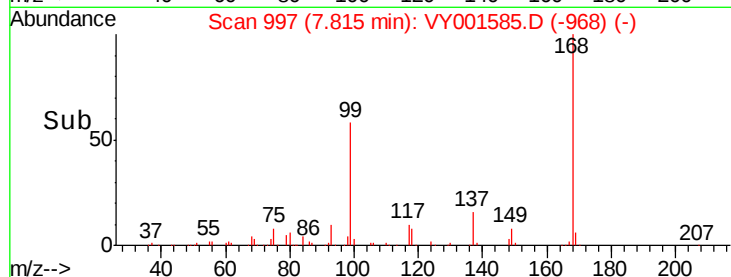
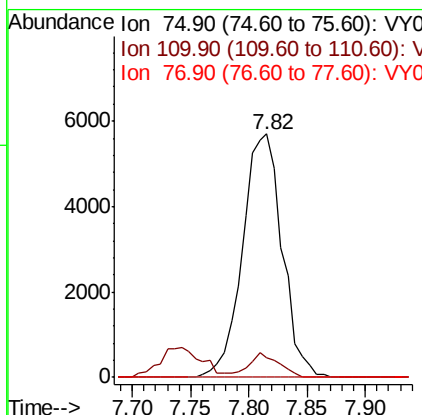
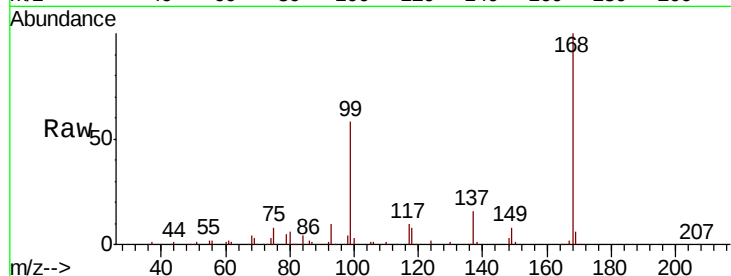




#36
 1,1-Dichloropropene
 Concen: 4.908 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001585.D
 Acq: 10 Feb 2020 14:57

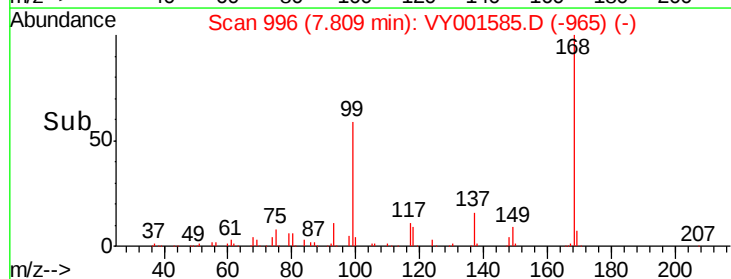
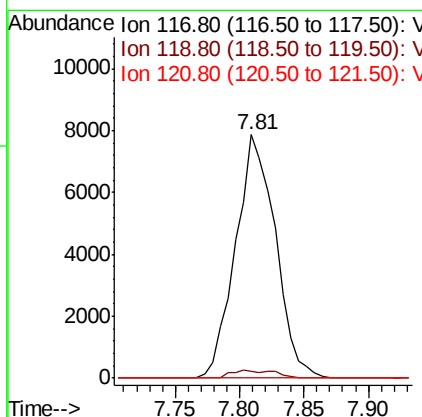
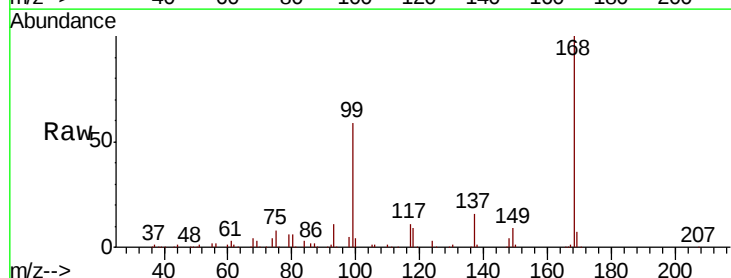
Instrument :
 MSVOA_Y
 ClientSampleId :

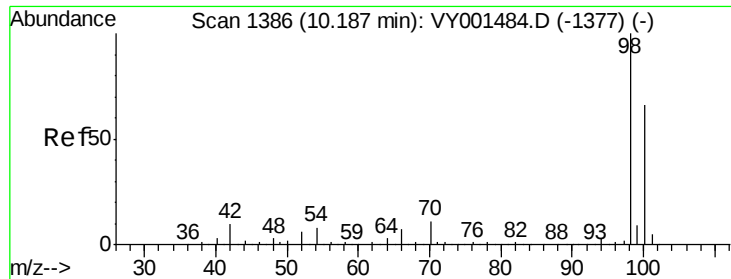
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.336 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY001585.D
 Acq: 10 Feb 2020 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 52.893 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :

MSVOA_Y

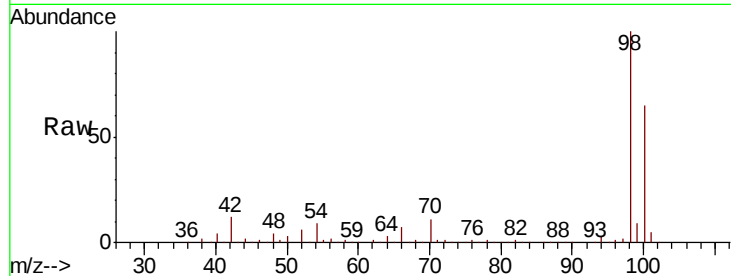
ClientSampled :

Tot Ion: 98 Resp: 347006

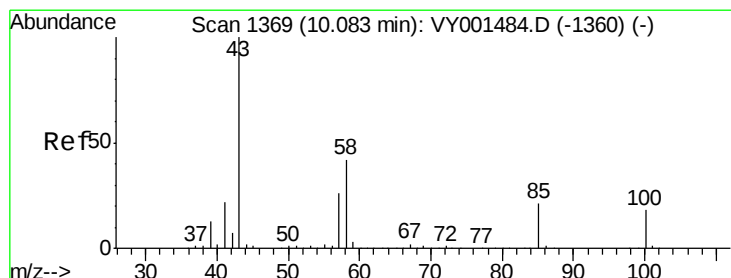
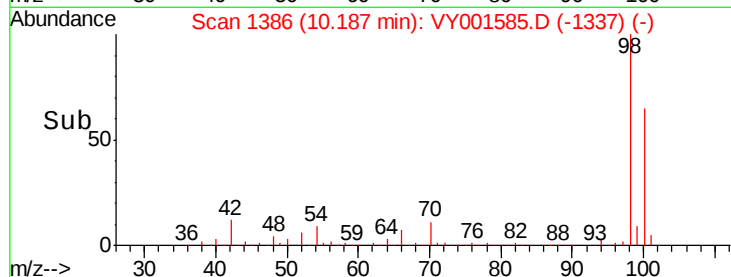
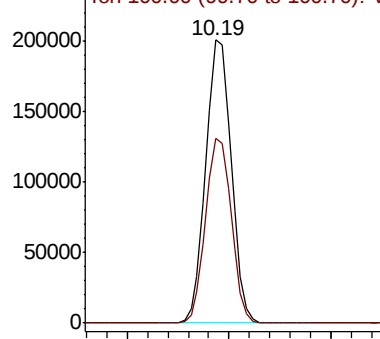
Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.001 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001585.D

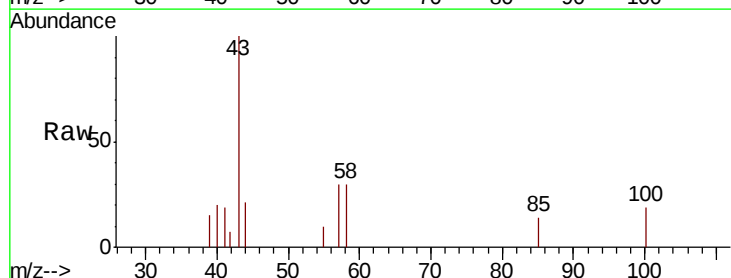
Acq: 10 Feb 2020 14:57

Tgt Ion: 43 Resp: 1300

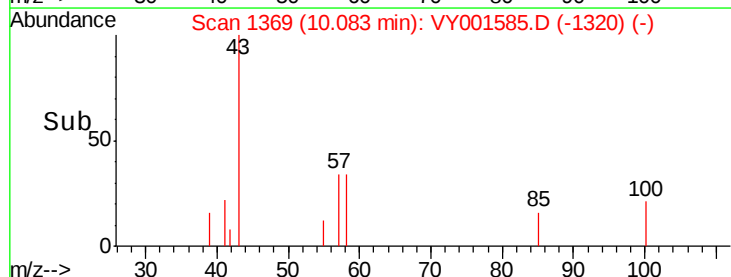
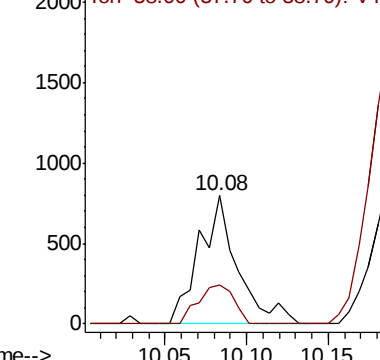
Ion Ratio Lower Upper

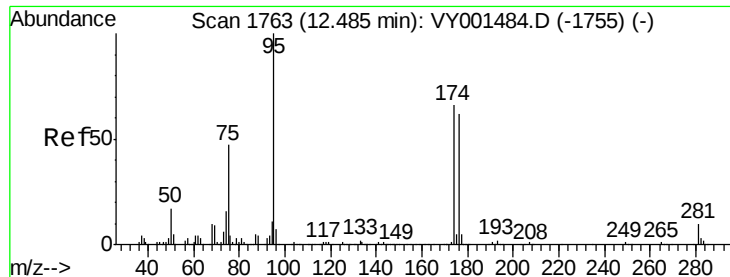
43 100

58 28.5 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1360) (-)

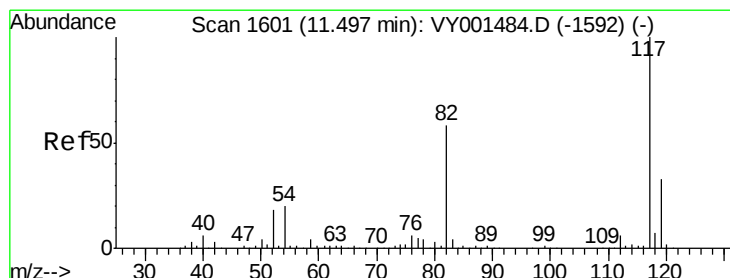
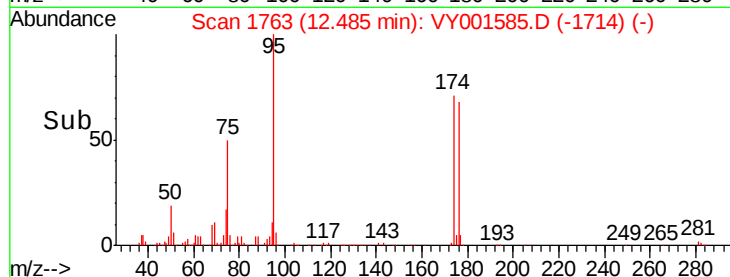
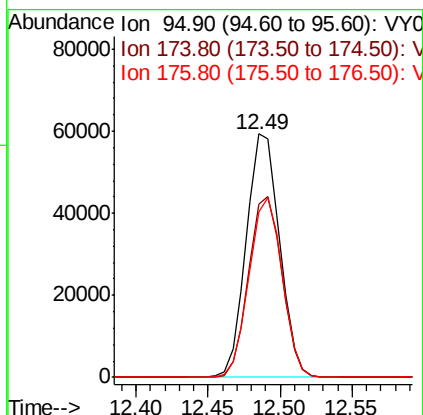
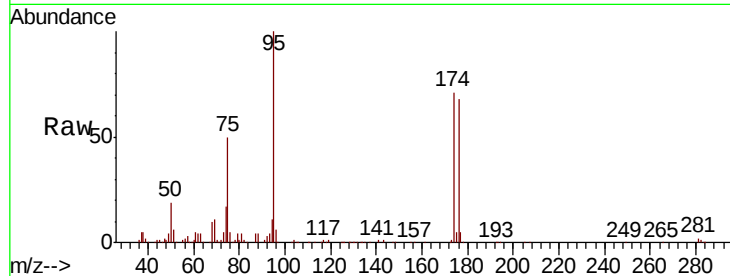




#62
4-Bromofluorobenzene
Concen: 36.673 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001585.D
Acq: 10 Feb 2020 14:57

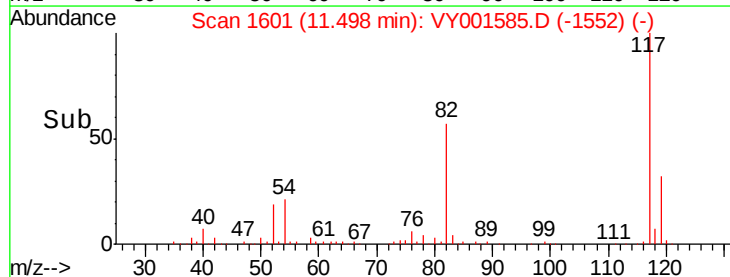
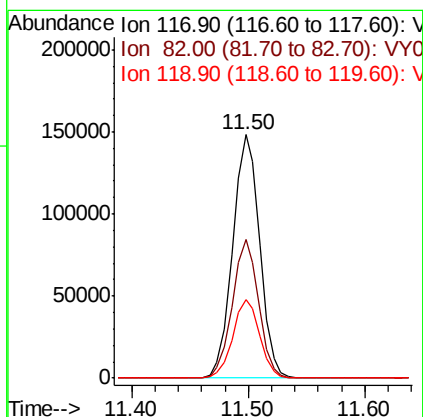
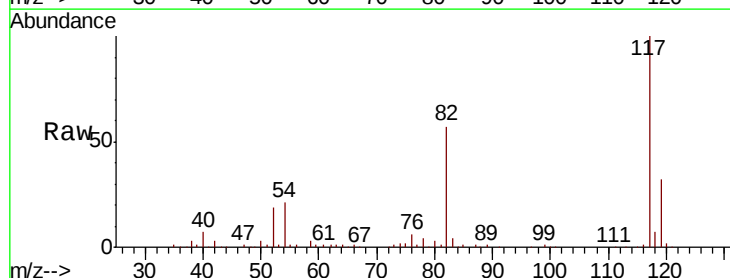
Instrument :
MSVOA_Y
ClientSampleId :

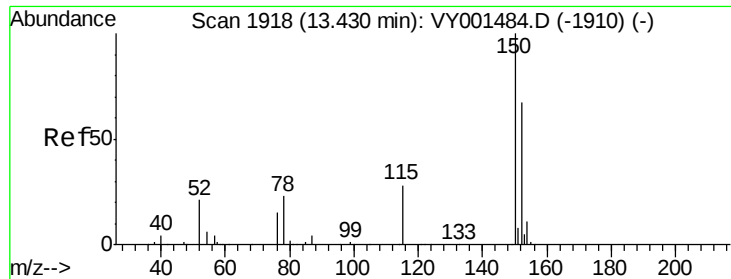
Tot Ion: 95 Resp: 94780
Ion Ratio Lower Upper
95 100
174 74.4 0.0 141.4
176 73.6 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001585.D
Acq: 10 Feb 2020 14:57

Tgt Ion: 117 Resp: 238473
Ion Ratio Lower Upper
117 100
82 56.9 46.1 69.1
119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

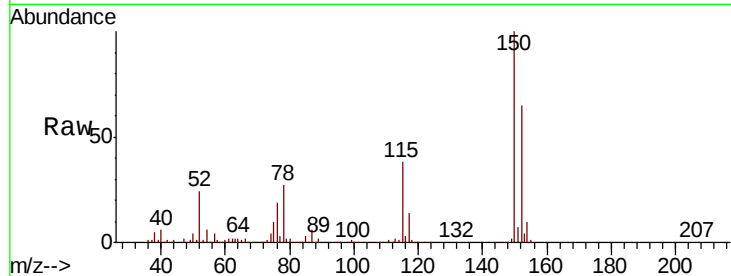
Tot Ion:152 Resp: 76219

Ion Ratio Lower Upper

152 100

115 58.7 31.4 94.3

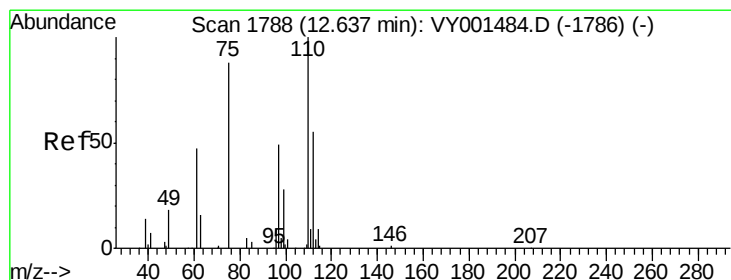
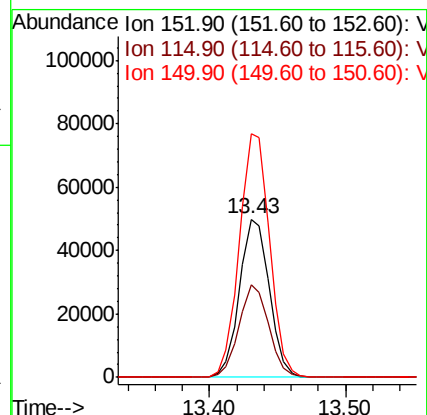
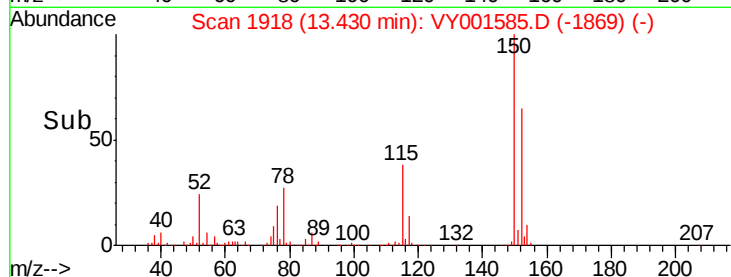
150 155.8 0.0 346.8



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: 58.244 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001585.D

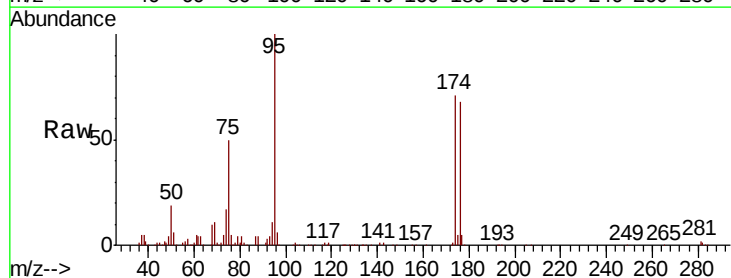
Acq: 10 Feb 2020 14:57

Tgt Ion: 75 Resp: 47740

Ion Ratio Lower Upper

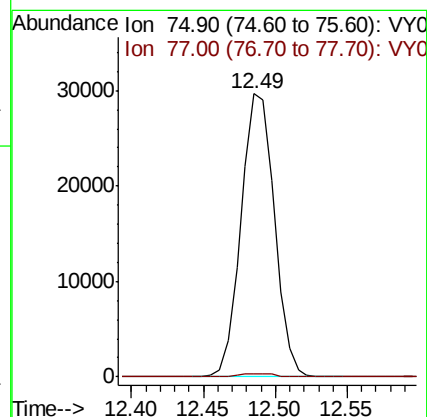
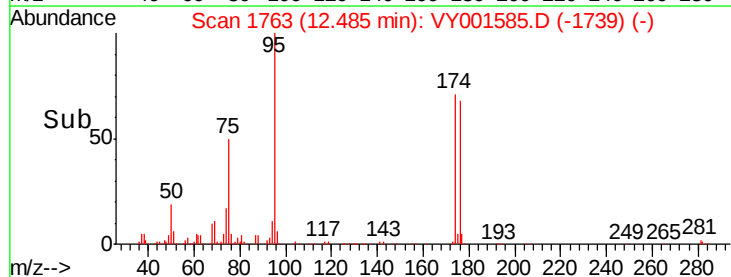
75 100

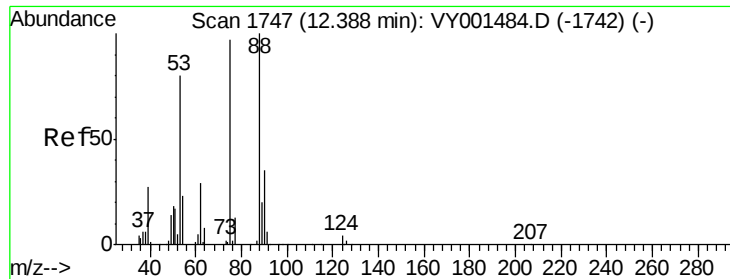
77 1.1 0.0 0.0#



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: 112.699 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001585.D

Acq: 10 Feb 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

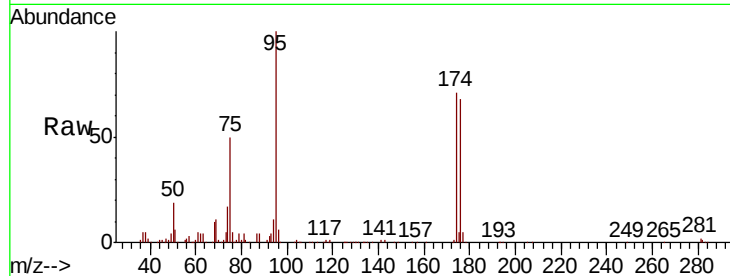
Tot Ion: 75 Resp: 47740

Ion Ratio Lower Upper

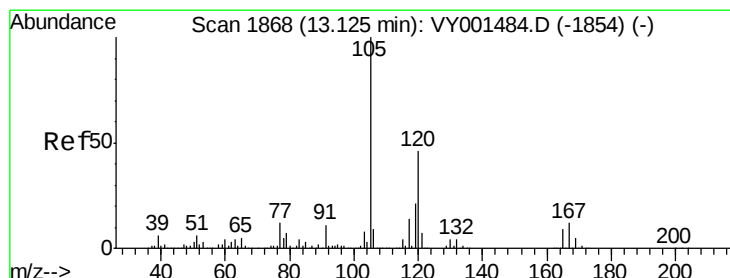
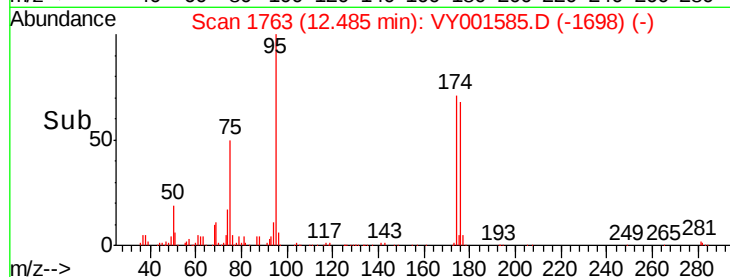
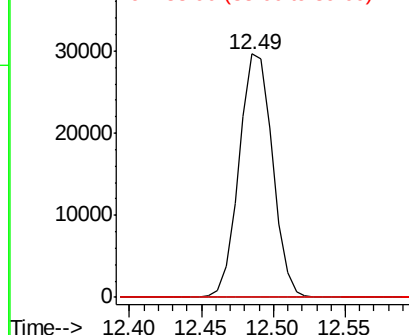
75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.484 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VY001585.D

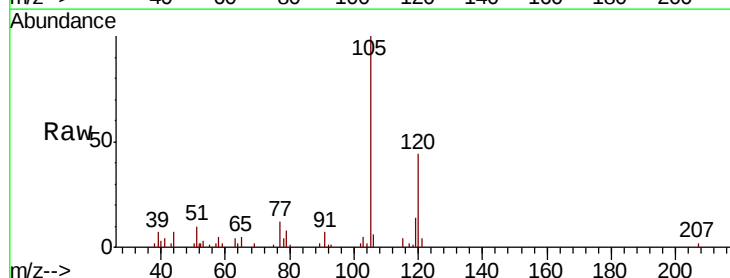
Acq: 10 Feb 2020 14:57

Tgt Ion:105 Resp: 7190

Ion Ratio Lower Upper

105 100

120 46.6 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

