

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001579.D
 Acq On : 10 Feb 2020 12:31
 Operator : SY/MD
 Sample : VY0210SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 05:56:49 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	184455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	326420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	126340	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	102560	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.74	113	95467	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	10.19	98	396713	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
62) 4-Bromofluorobenzene	12.49	95	132957	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

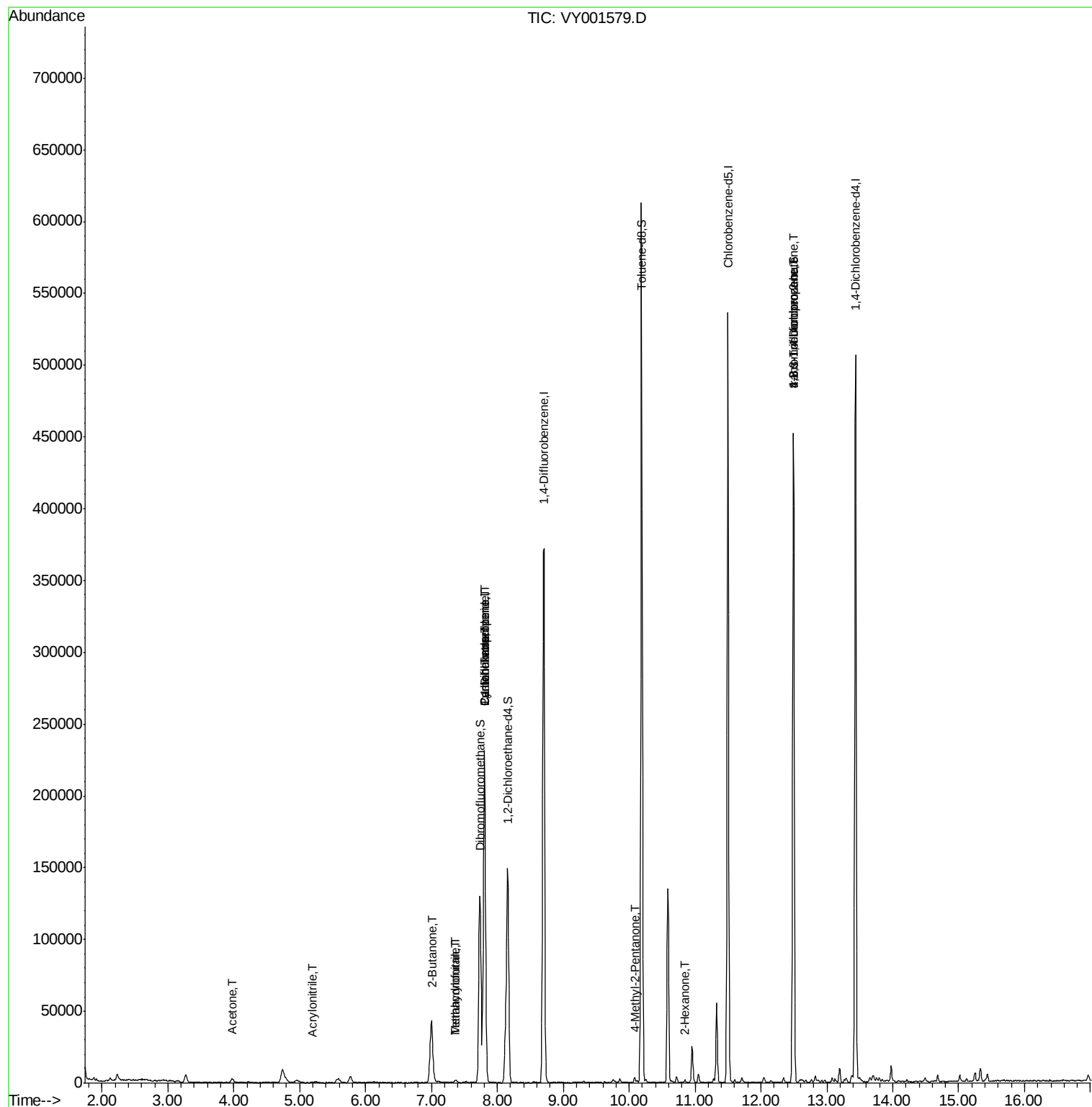
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1427	Below Cal	#	79
15) Acrylonitrile	5.19	53	682	1.359	ug/l #	61
16) Acetone	3.98	43	5174	9.631	ug/l	97
20) Methylene Chloride	4.74	84	6020	Below Cal	#	85
25) 2-Butanone	7.02	43	4680	6.715	ug/l #	87
29) Tetrahydrofuran	7.37	42	1366	3.270	ug/l	94
31) Cyclohexane	7.80	56	4108	1.136	ug/l #	7
36) 1,1-Dichloropropene	7.81	75	14485	4.851	ug/l #	48
38) Carbon Tetrachloride	7.80	117	17790	6.158	ug/l #	18
41) Methacrylonitrile	7.36	41	914	1.364	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	2804	1.989	ug/l	95
59) 2-Hexanone	10.85	43	1429	1.394	ug/l	86
76) 1,2,3-Trichloropropane	12.49	75	66351	48.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	66351	94.494	ug/l #	16

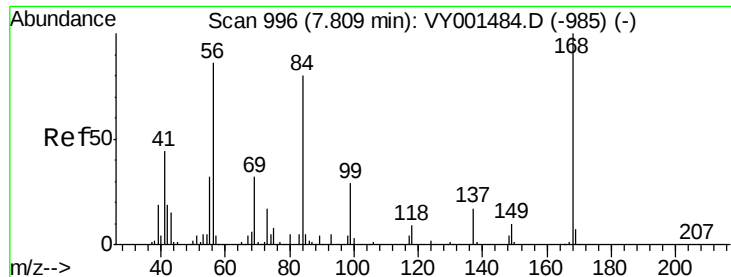
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

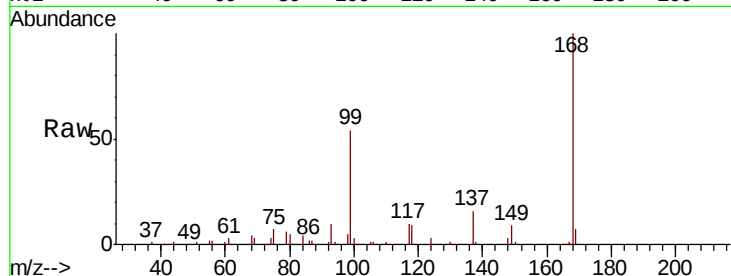
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 184455

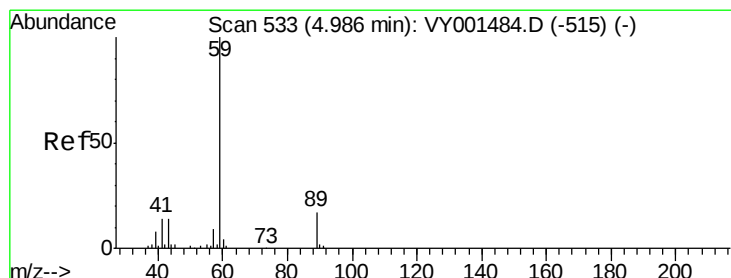
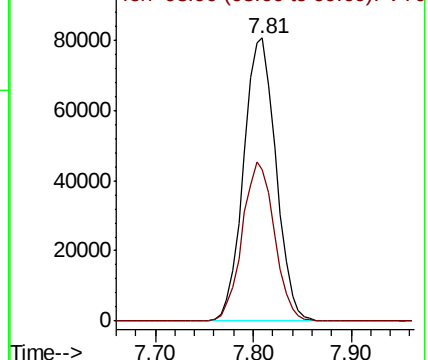
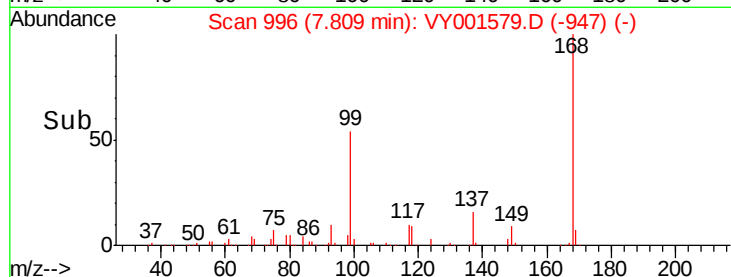
Ion Ratio Lower Upper

168 100

99 53.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001579.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.03 min

Lab File: VY001579.D

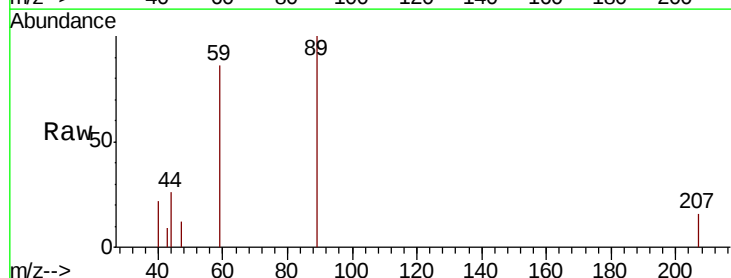
Acq: 10 Feb 2020 12:31

Tgt Ion: 59 Resp: 1427

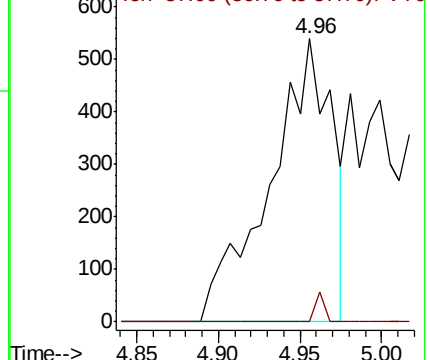
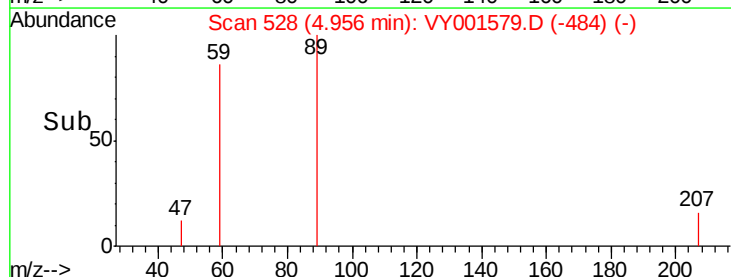
Ion Ratio Lower Upper

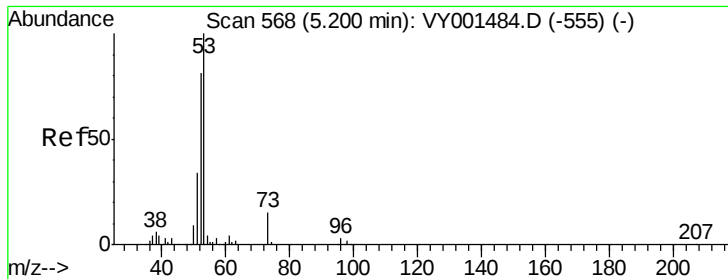
59 100

57 1.4 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001579.D (-484) (-)





#15

Acrylonitrile

Concen: 1.359 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

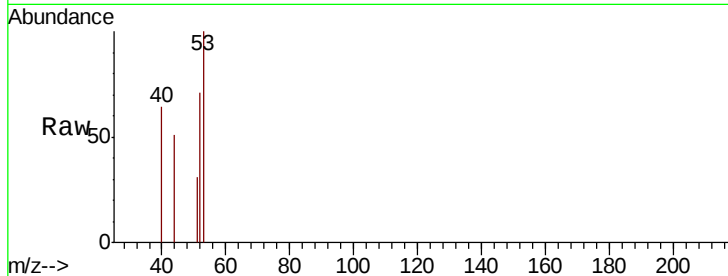
Tot Ion: 53 Resp: 682

Ion Ratio Lower Upper

53 100

52 51.0 65.4 98.2#

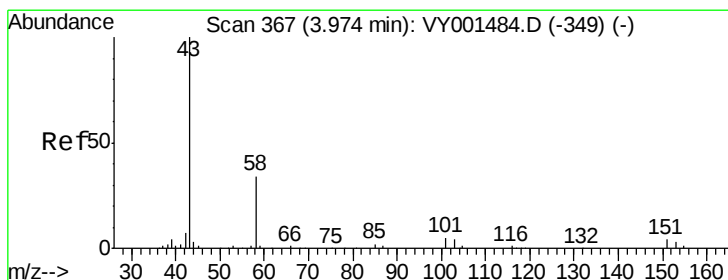
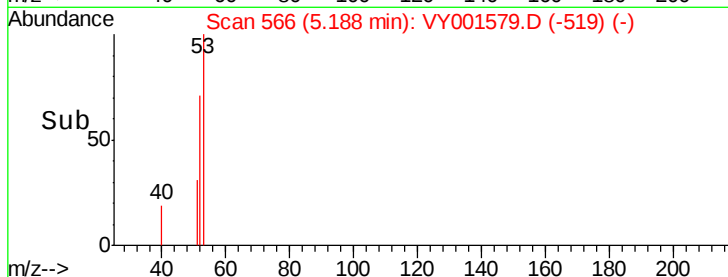
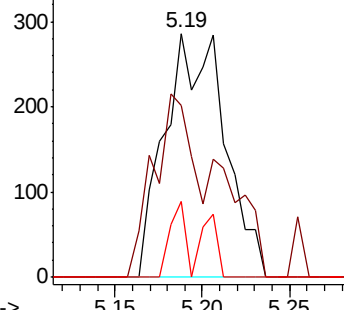
51 8.1 29.0 43.4#



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: 9.631 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001579.D

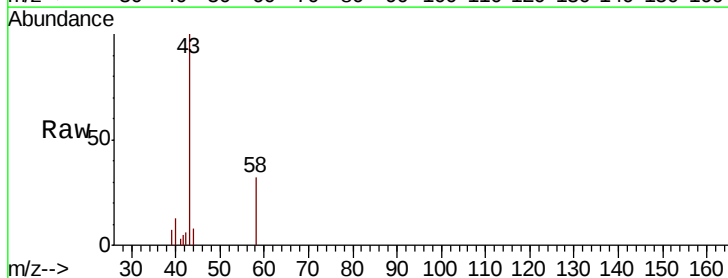
Acq: 10 Feb 2020 12:31

Tgt Ion: 43 Resp: 5174

Ion Ratio Lower Upper

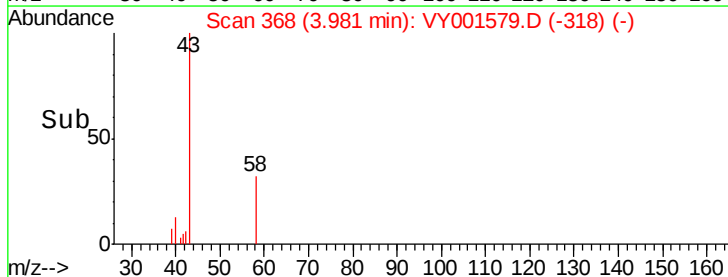
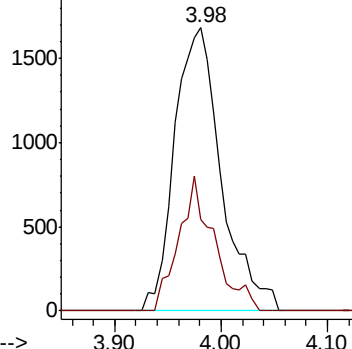
43 100

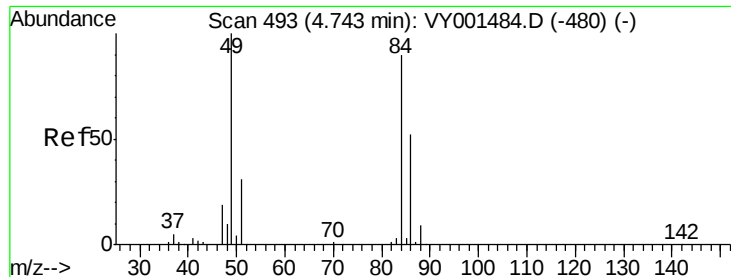
58 32.5 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

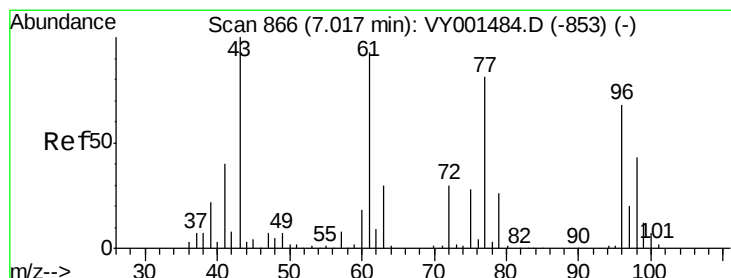
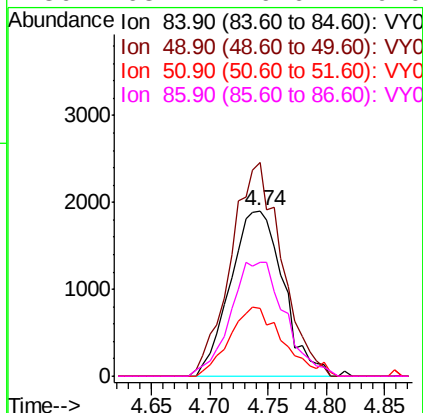
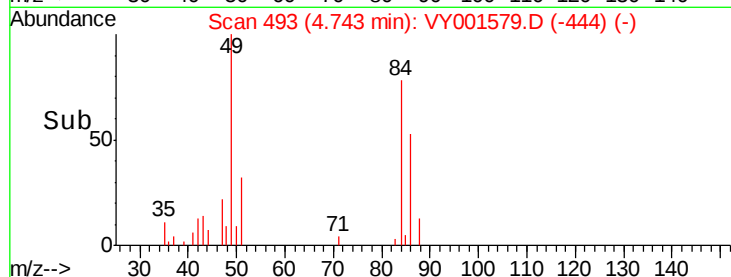
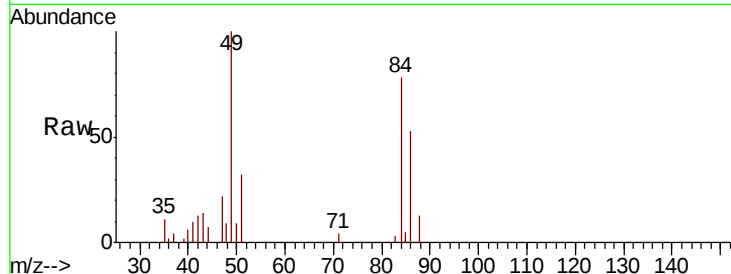




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

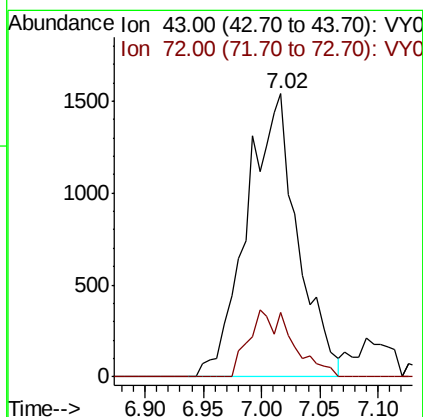
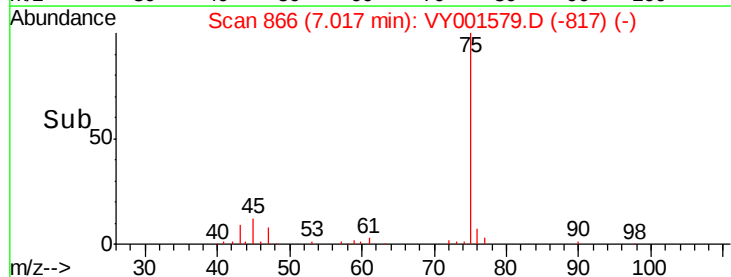
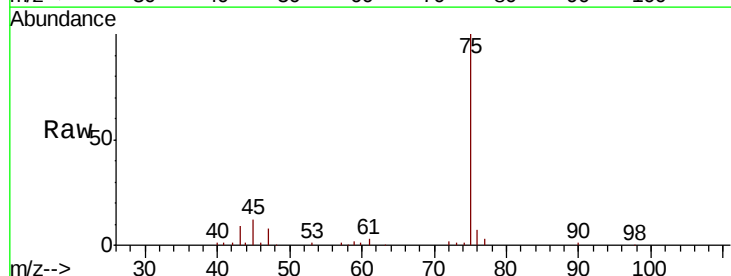
Instrument :
MSVOA_Y
ClientSampleId :

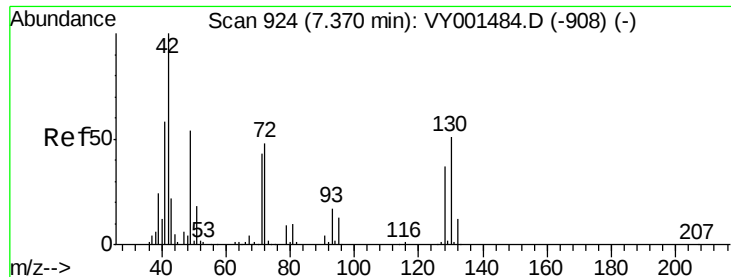
Tot Ion: 84 Resp: 6020
Ion Ratio Lower Upper
84 100
49 129.0 89.0 133.6
51 41.2 27.4 41.2#
86 68.7 46.6 70.0



#25
2-Butanone
Concen: 6.715 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Tgt Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
72 22.9 23.8 35.8#

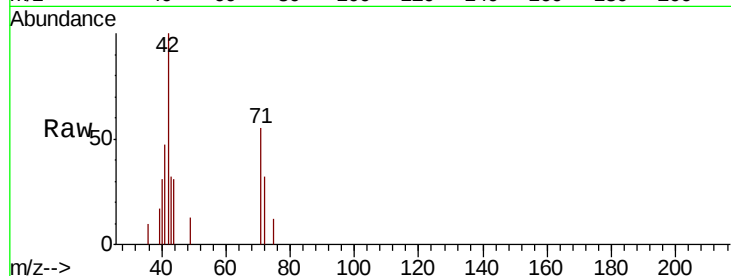




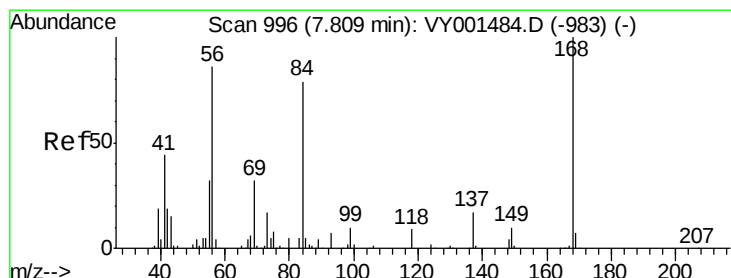
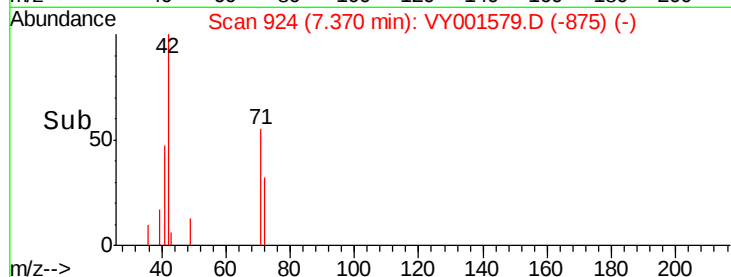
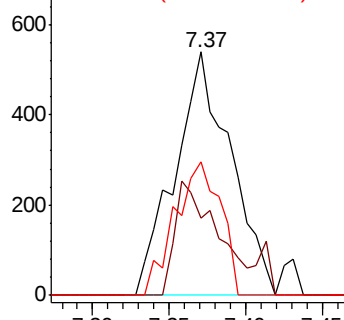
#29
Tetrahydrofuran
Concen: 3.270 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	37.8	56.6
71	44.9	34.8	52.2

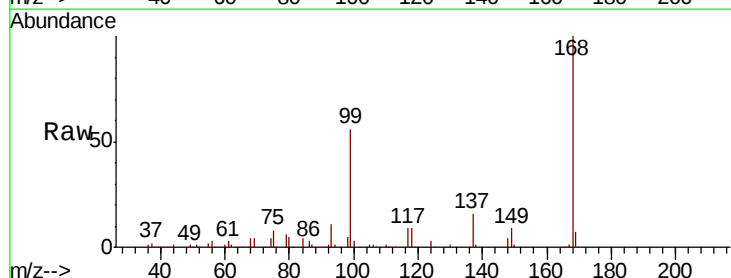


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

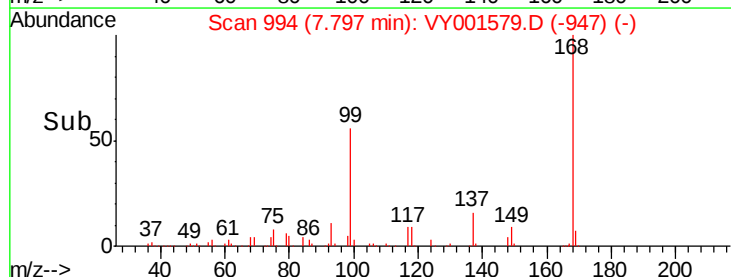
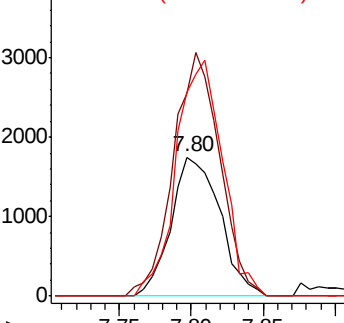


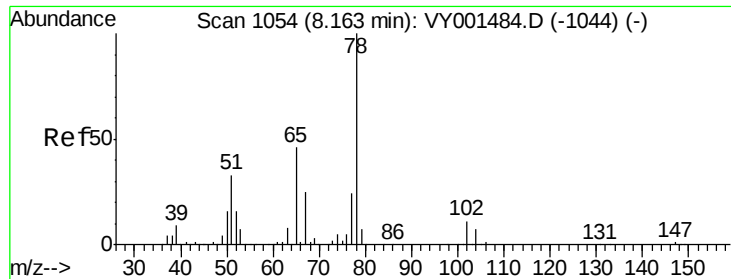
#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	145.9	29.6	44.4#
84	146.6	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

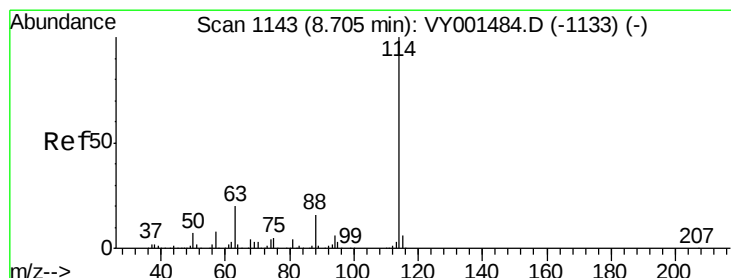
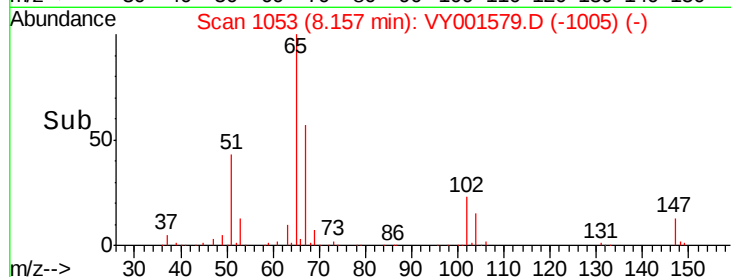
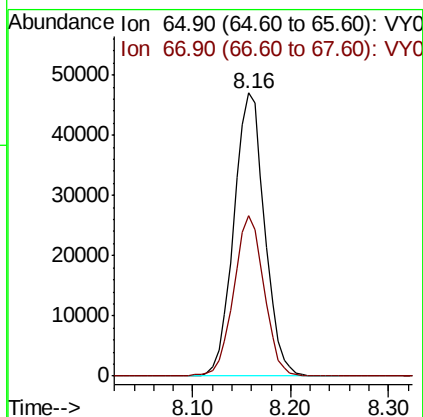
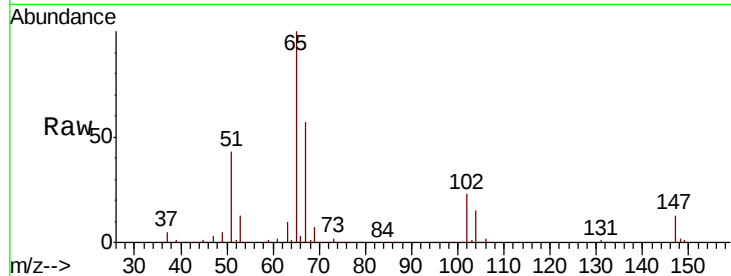




#33
 1,2-Dichloroethane-d4
 Concen: 55.223 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001579.D
 Acq: 10 Feb 2020 12:31

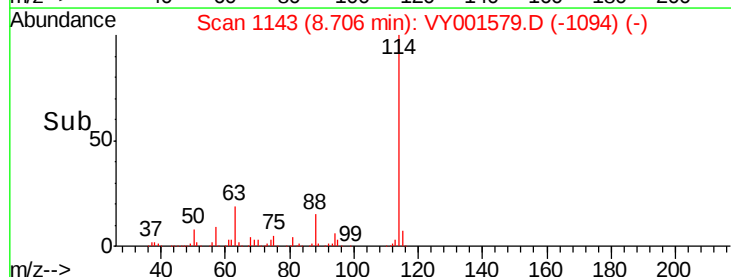
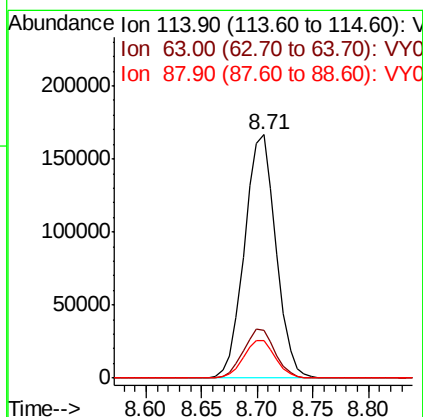
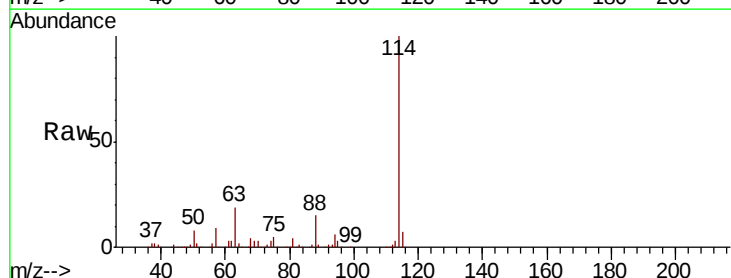
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 MSVOA_Y
 ClientSampleId :

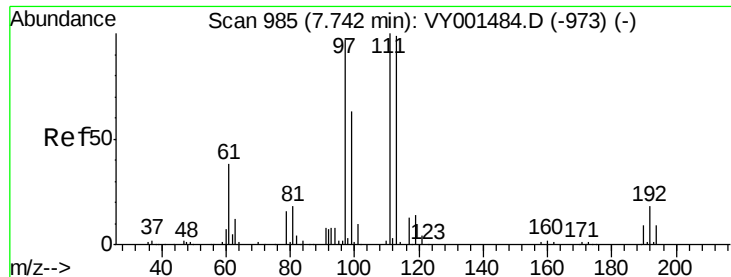
Tot Ion: 65 Resp: 102560
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001579.D
 Acq: 10 Feb 2020 12:31

Tgt Ion: 114 Resp: 326420
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.4 0.0 32.6

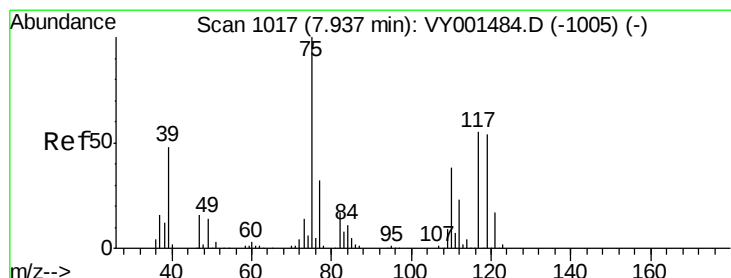
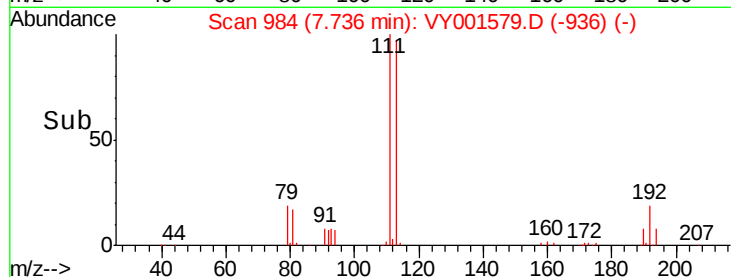
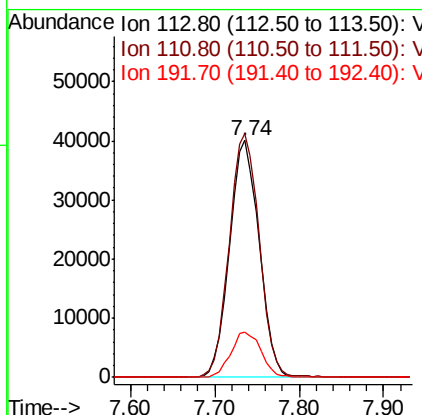
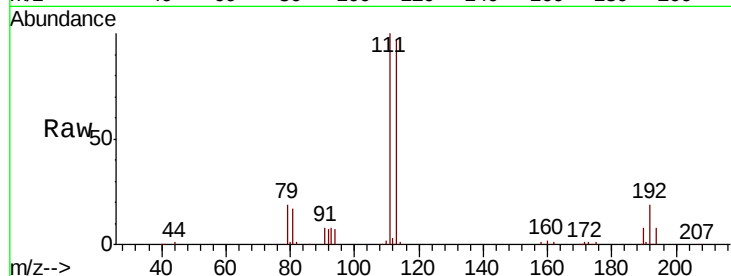




#35
Dibromofluoromethane
Concen: 50.718 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

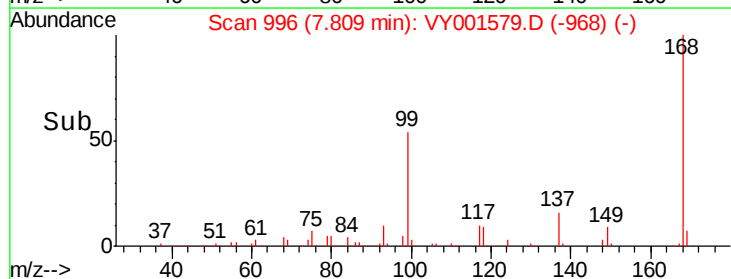
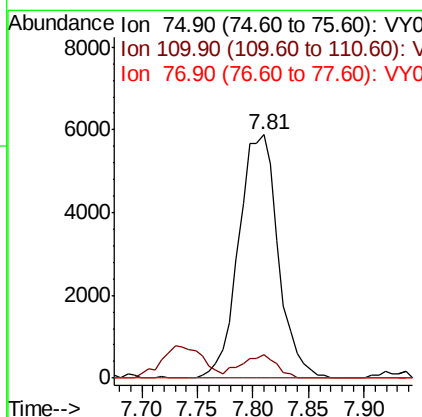
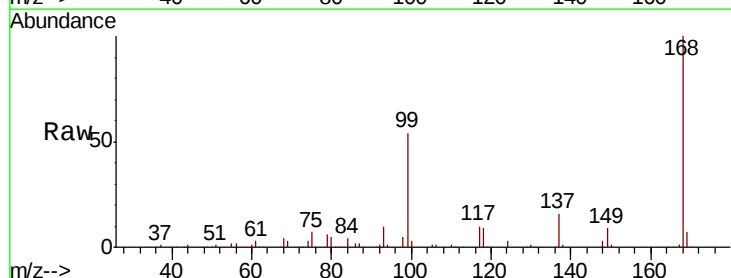
Instrument :
MSVOA_Y
ClientSampleId :

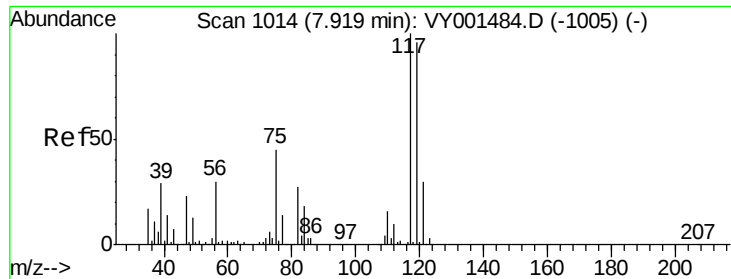
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	19.3	14.6	22.0



#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.2	54.6#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.158 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

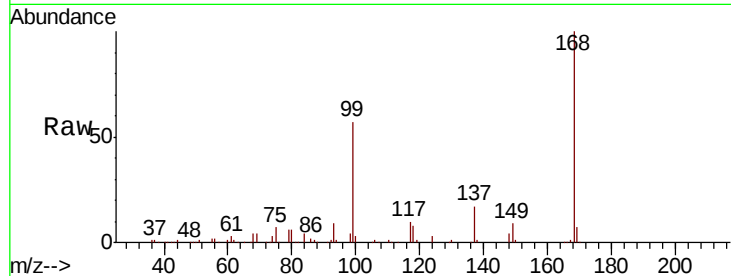
Tot Ion:117 Resp: 17790

Ion Ratio Lower Upper

117 100

119 7.0 76.4 114.6#

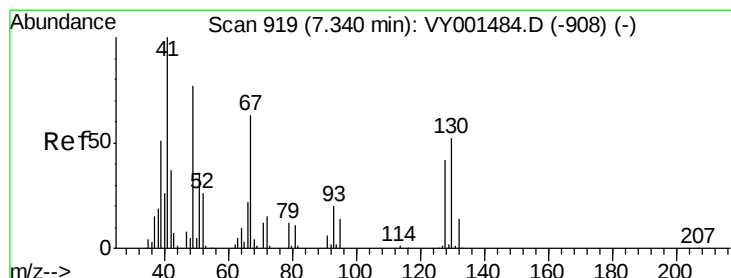
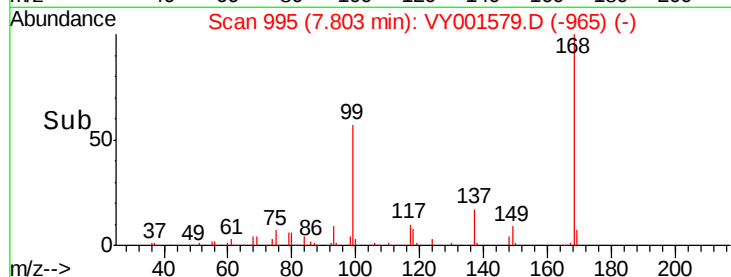
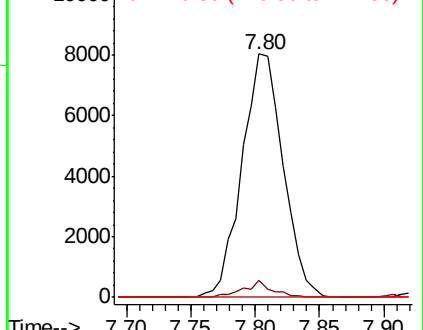
121 0.0 24.2 36.4#



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



#41

Methacrylonitrile

Concen: 1.364 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.02 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

Tgt Ion: 41 Resp: 914

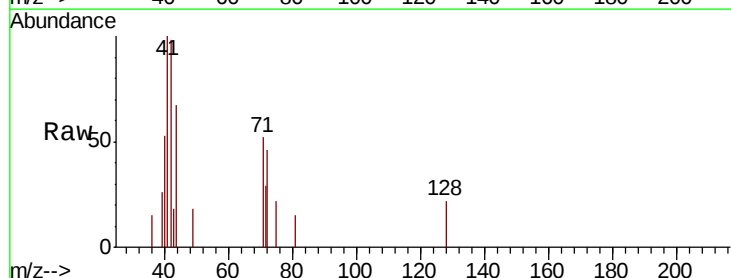
Ion Ratio Lower Upper

41 100

39 20.8 116.8 175.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

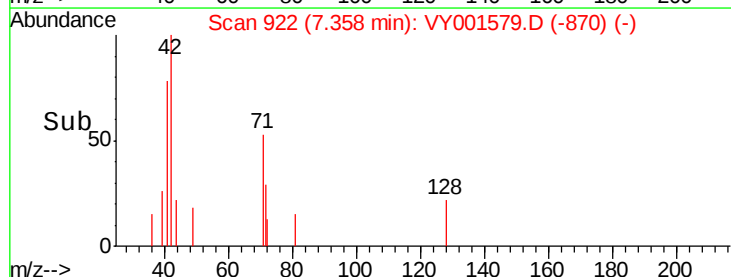
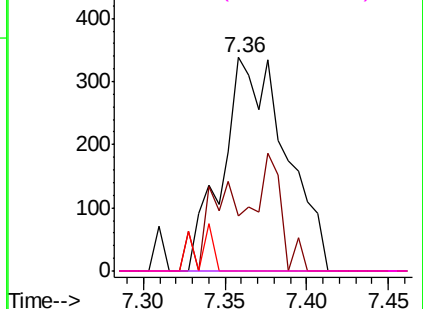


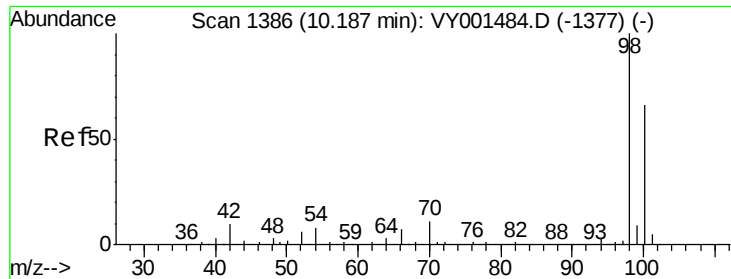
Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 55.706 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_Y

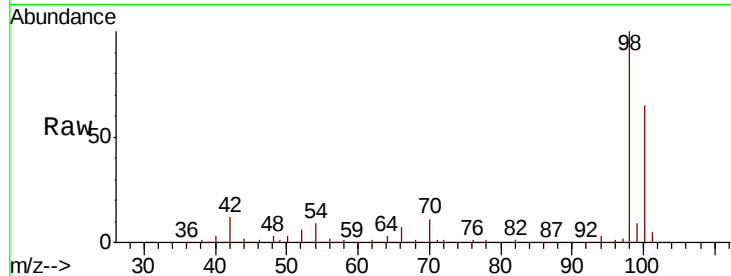
ClientSampled :

Tot Ion: 98 Resp: 396713

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6



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

Ion 100.00 (99.70 to 100.70): VY001484.D (-1377) (-)

10.19

250000

200000

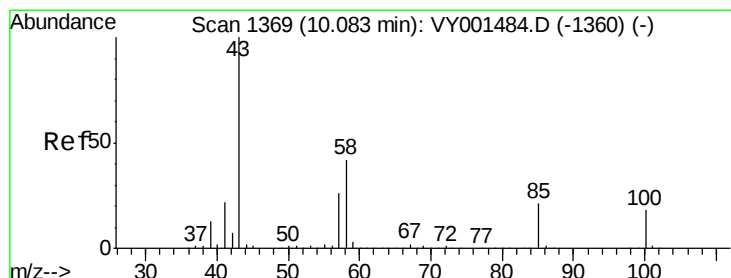
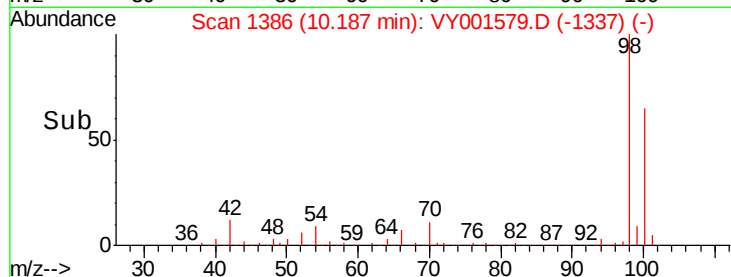
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.989 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001579.D

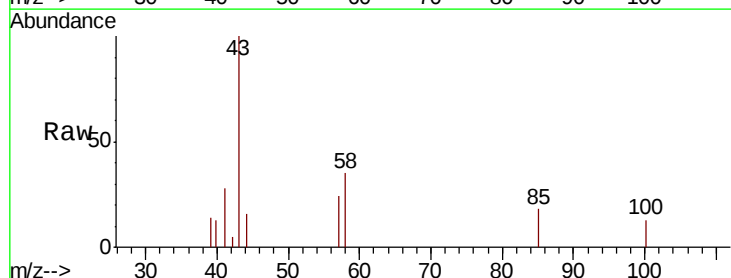
Acq: 10 Feb 2020 12:31

Tgt Ion: 43 Resp: 2804

Ion Ratio Lower Upper

43 100

58 38.9 33.9 50.9



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

Ion 58.00 (57.70 to 58.70): VY001484.D (-1360) (-)

10.08

2500

2000

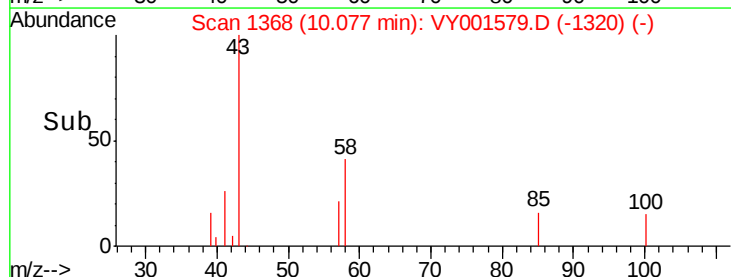
1500

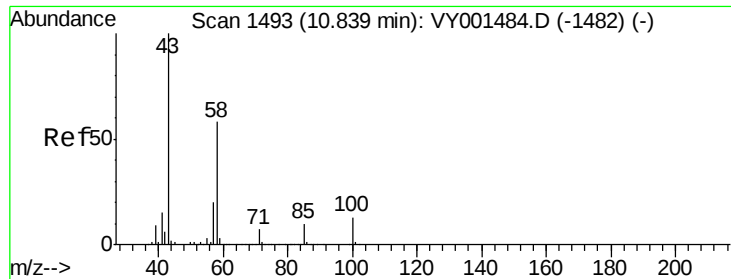
1000

500

0

Time-->

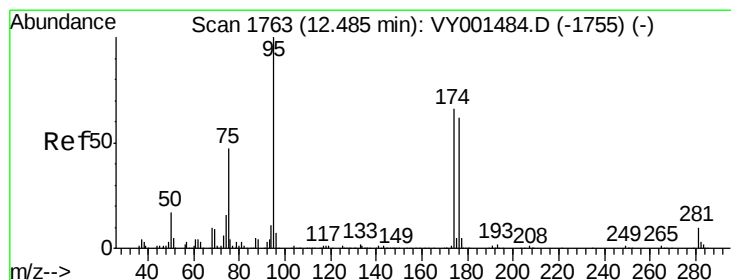
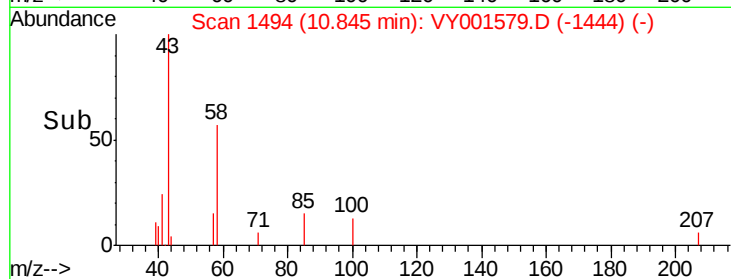
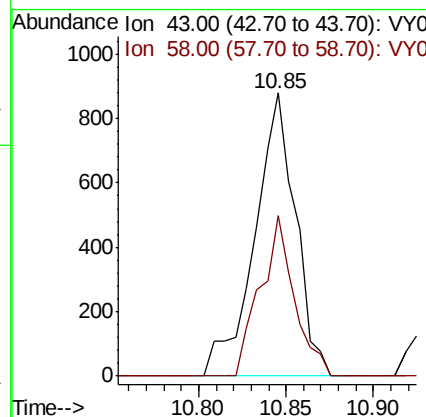
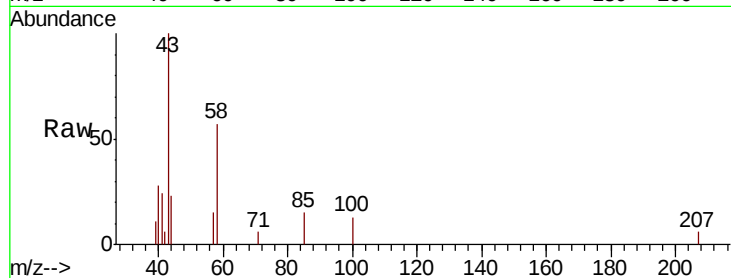




#59
2-Hexanone
Concen: 1.394 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

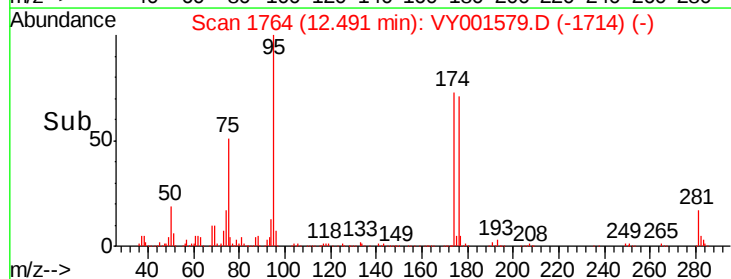
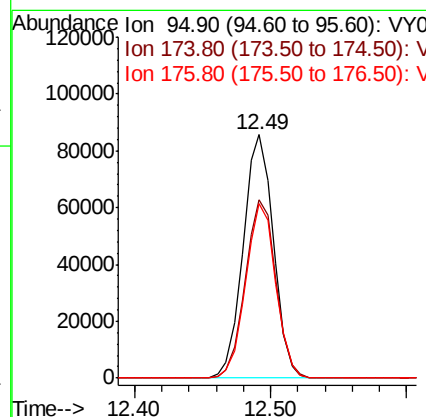
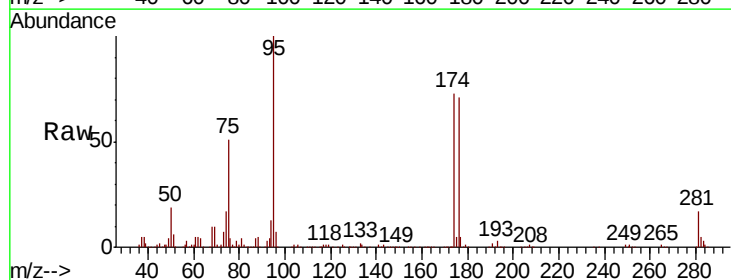
Instrument :
MSVOA_Y
ClientSampleId :

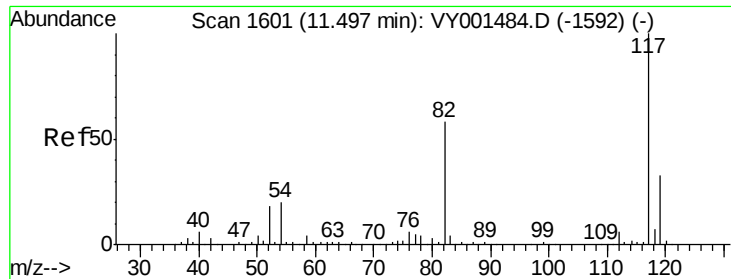
Tot Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
58 47.4 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 47.392 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Tgt Ion: 95 Resp: 132957
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.4
176 71.4 0.0 135.4

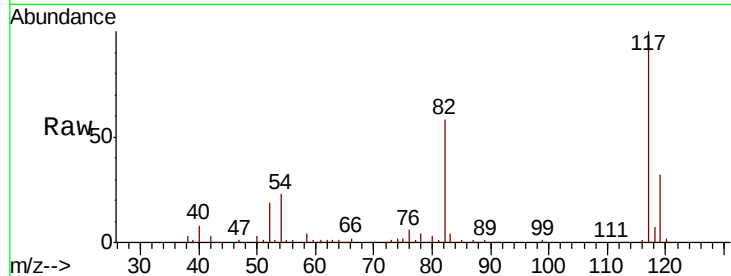




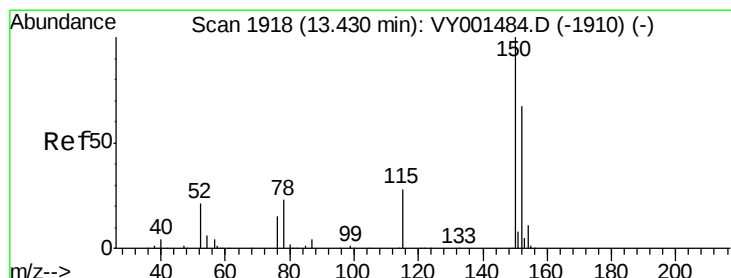
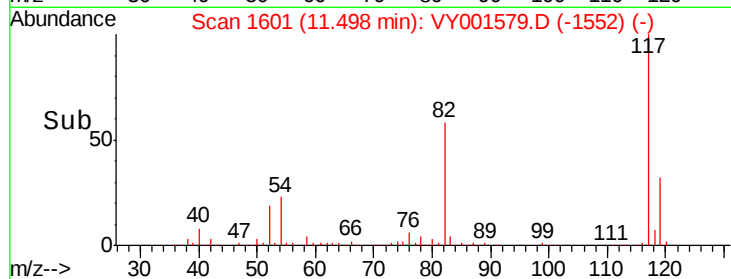
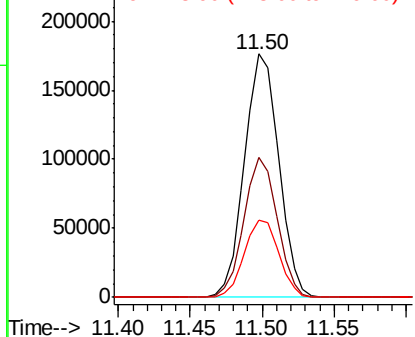
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 290397
Ion Ratio Lower Upper
117 100
82 57.6 46.1 69.1
119 31.8 26.1 39.1

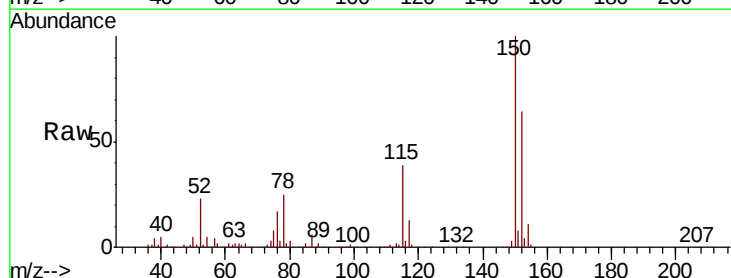


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

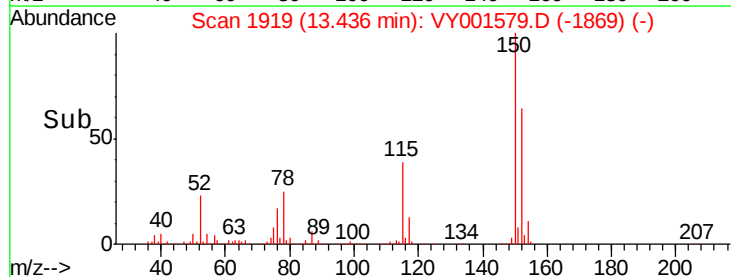
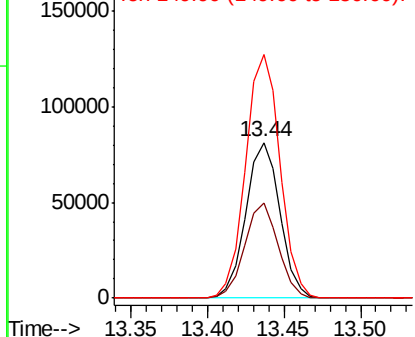


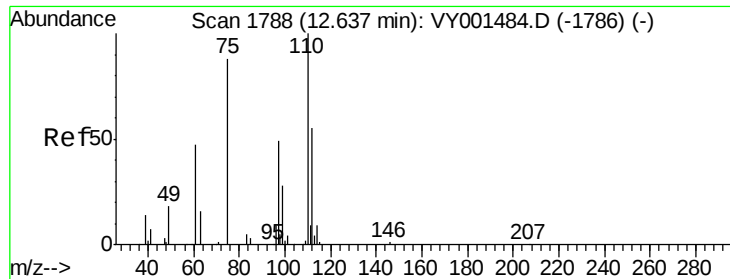
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001579.D
Acq: 10 Feb 2020 12:31

Tgt Ion:152 Resp: 126340
Ion Ratio Lower Upper
152 100
115 59.9 31.4 94.3
150 157.7 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: 48.835 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

Instrument :

MSVOA_Y

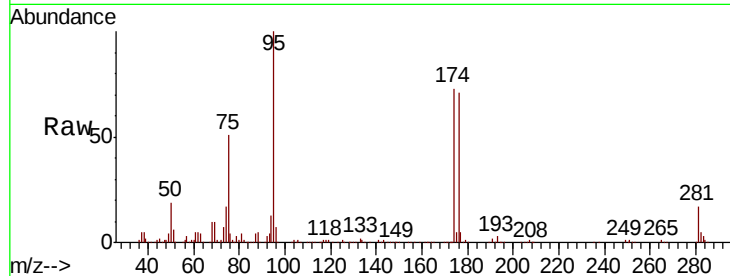
ClientSampleId :

Tot Ion: 75 Resp: 66351

Ion Ratio Lower Upper

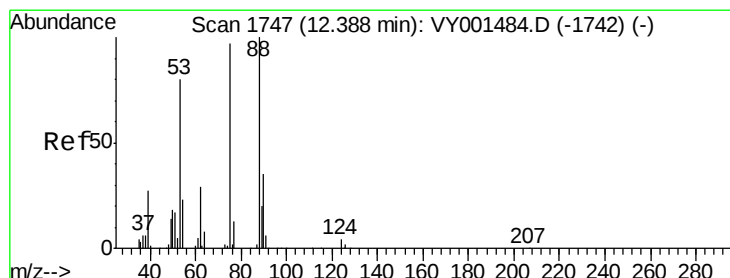
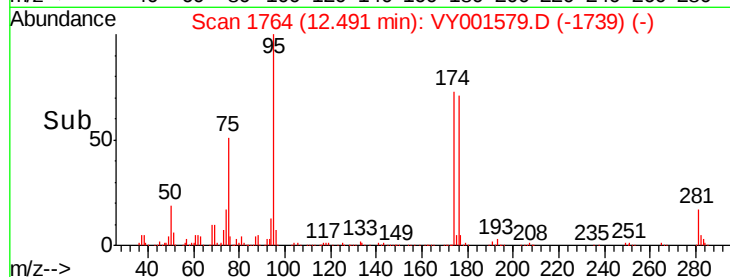
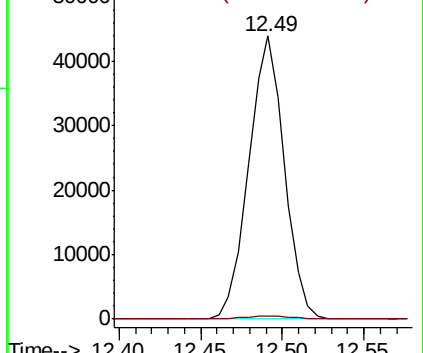
75 100

77 1.2 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: 94.494 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001579.D

Acq: 10 Feb 2020 12:31

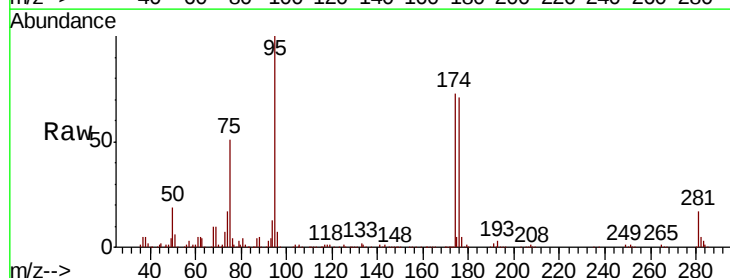
Tgt Ion: 75 Resp: 66351

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.6 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

