

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000579.D
 Acq On : 07 Nov 2019 14:43
 Operator : SY/MD
 Sample : K5741-01
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:47:13 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	186926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	334868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	295205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128994	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	111706	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	7.73	113	100242	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.18	98	392976	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.48	95	131268	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	

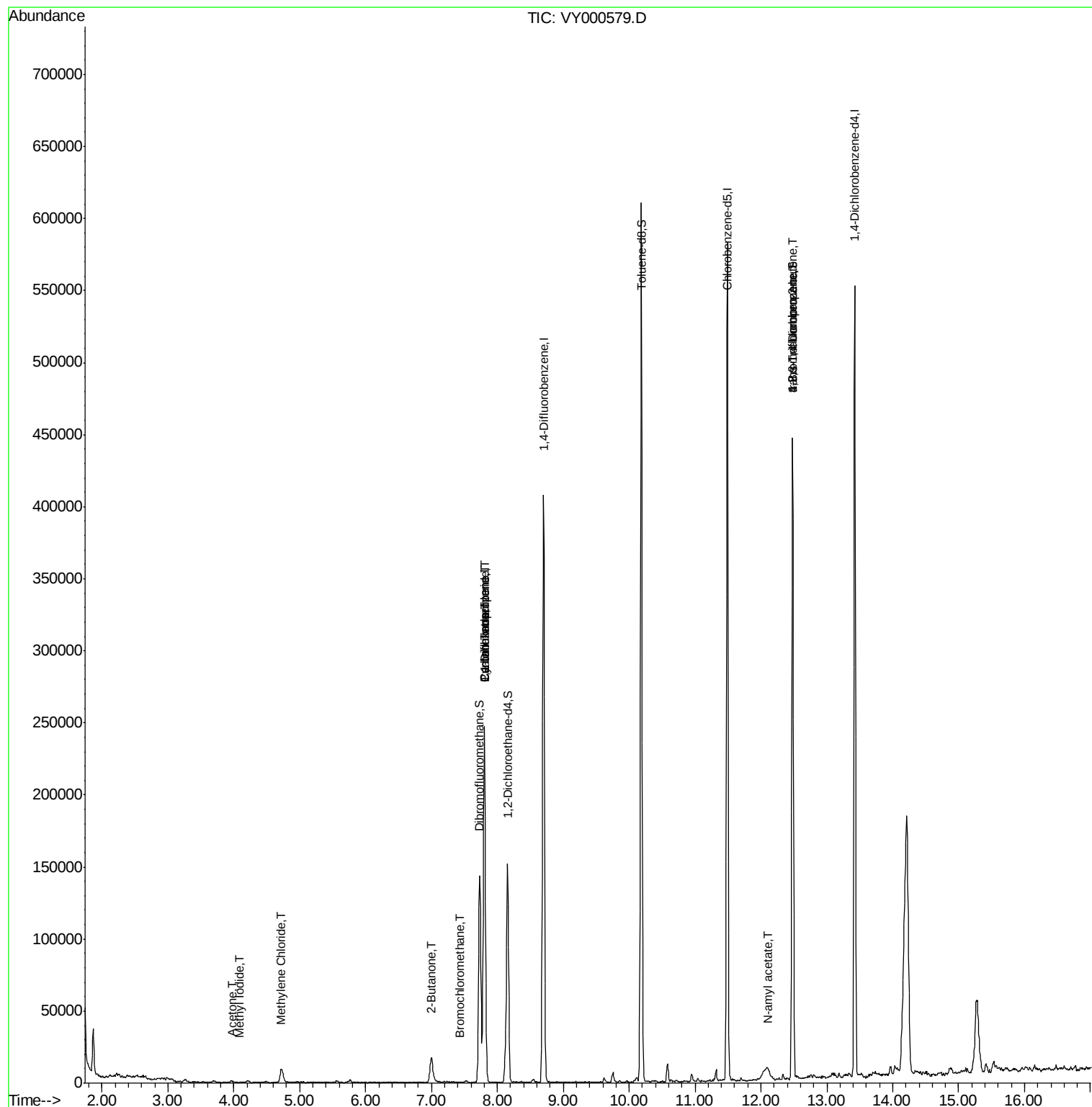
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	158	3.258	ug/l #	41
16) Acetone	3.97	43	1617	3.033	ug/l	100
20) Methylene Chloride	4.71	84	7332	3.209	ug/l #	80
25) 2-Butanone	7.00	43	1375	1.616	ug/l #	90
28) Bromochloromethane	7.44	49	19	4.103	ug/l #	14
31) Cyclohexane	7.80	56	4451	1.189	ug/l #	39
36) 1,1-Dichloropropene	7.80	75	15901	5.023	ug/l #	49
38) Carbon Tetrachloride	7.80	117	18547	6.089	ug/l #	15
74) N-amyl acetate	12.11	43	6644	2.433	ug/l #	62
76) 1,2,3-Trichloropropane	12.48	75	71446	48.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	71446	109.065	ug/l #	13

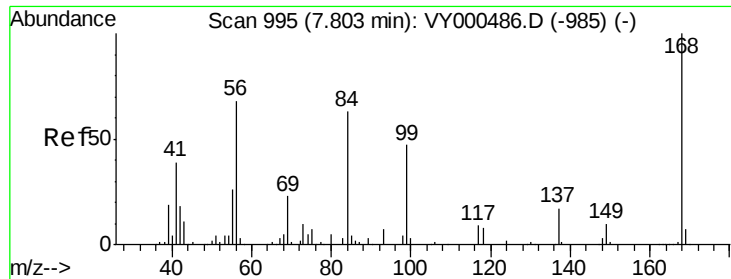
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

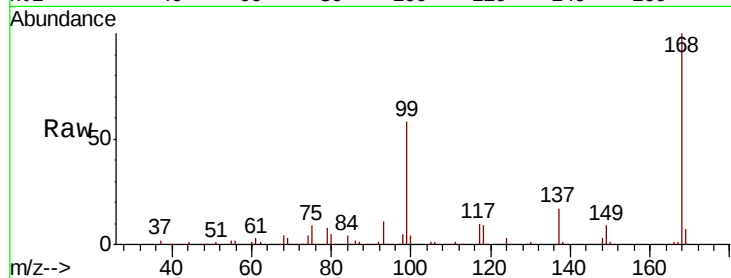
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 186926

Ion Ratio Lower Upper

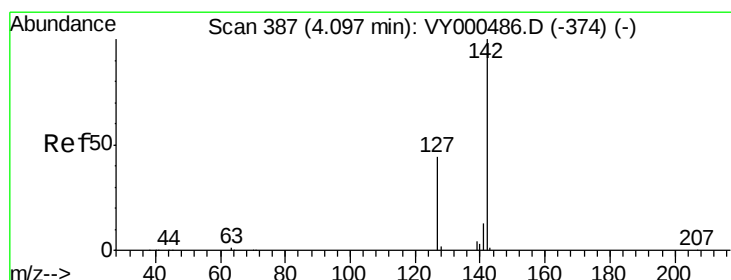
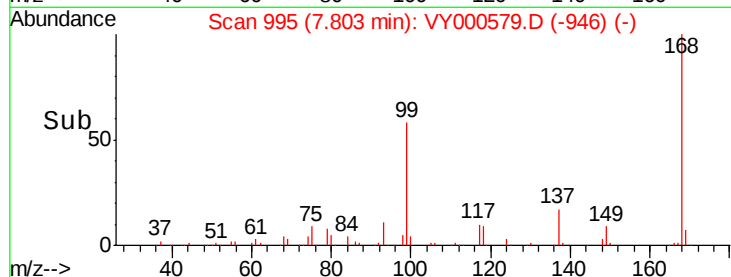
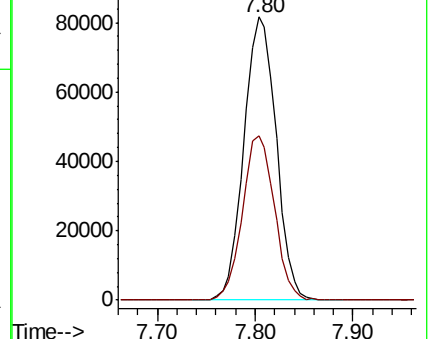
168 100

99 58.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.258 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

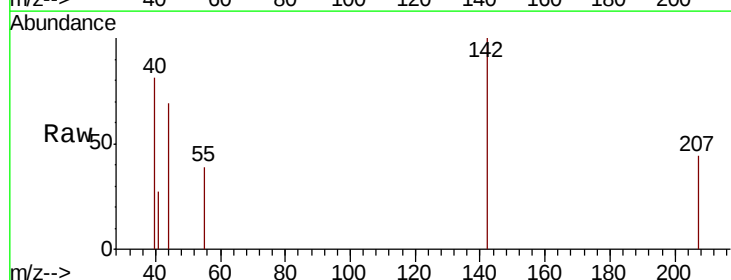
Tgt Ion:142 Resp: 158

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

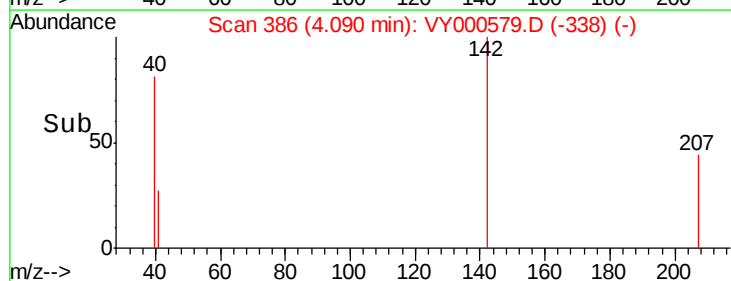
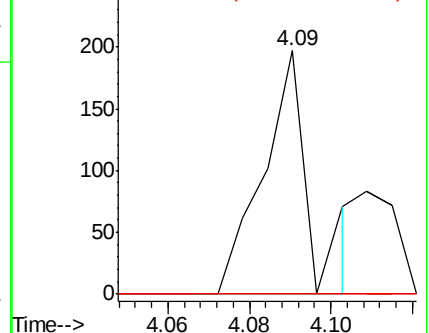
141 0.0 10.9 16.3#

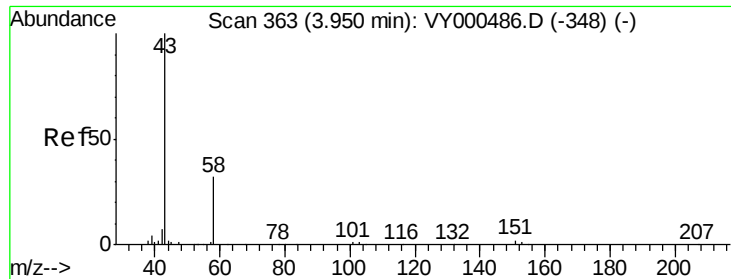


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 3.033 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

Instrument :

MSVOA_Y

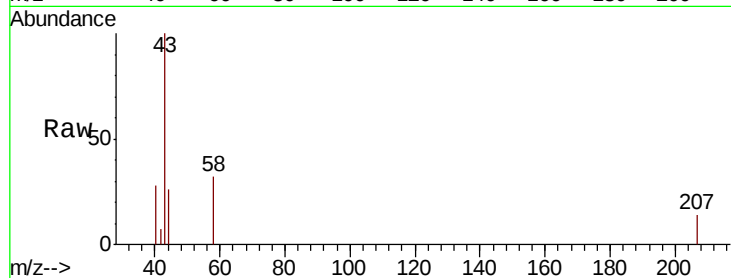
ClientSampled :

Tot Ion: 43 Resp: 1617

Ion Ratio Lower Upper

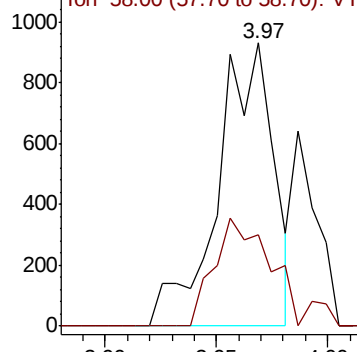
43 100

58 32.2 25.8 38.6

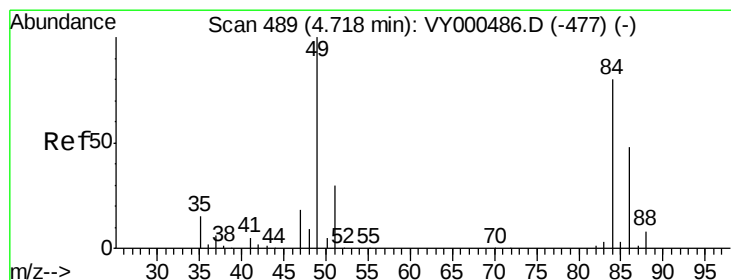
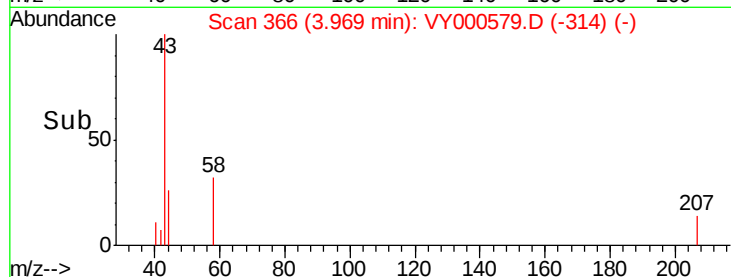


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 3.209 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

Tgt Ion: 84 Resp: 7332

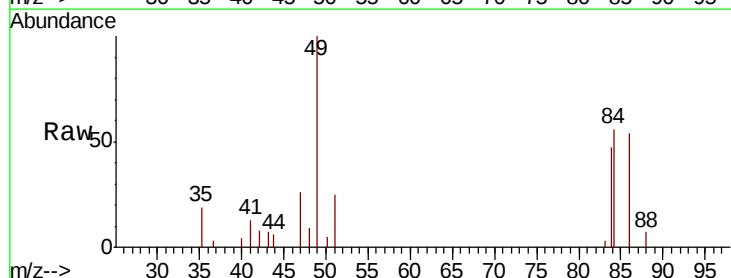
Ion Ratio Lower Upper

84 100

49 97.2 100.2 150.4#

51 24.4 29.6 44.4#

86 52.3 48.3 72.5

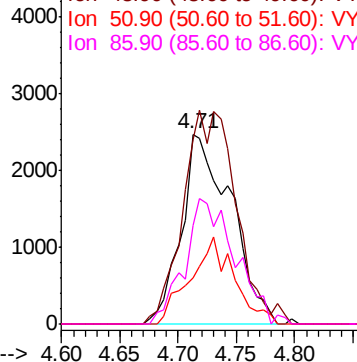


Abundance Ion 83.90 (83.60 to 84.60): VY0

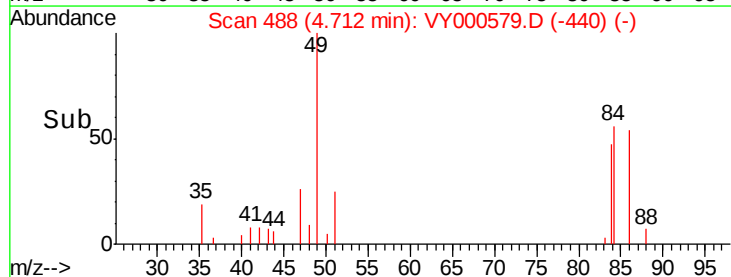
Ion 48.90 (48.60 to 49.60): VY0

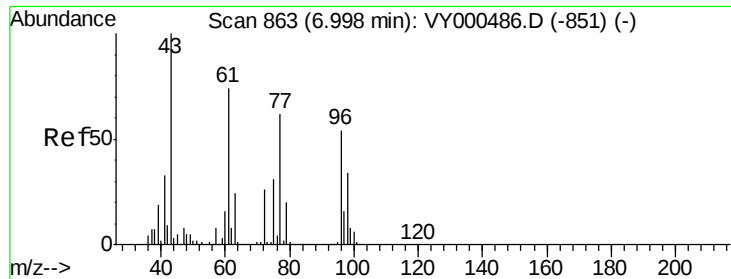
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#25

2-Butanone

Concen: 1.616 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

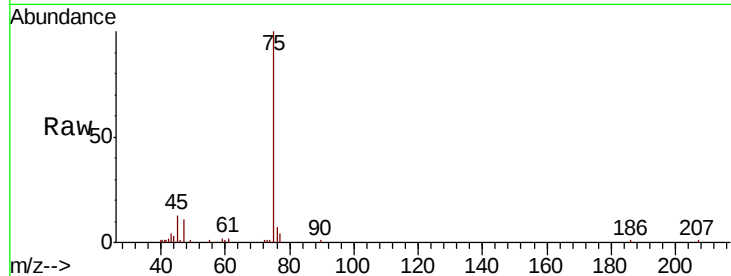
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1375

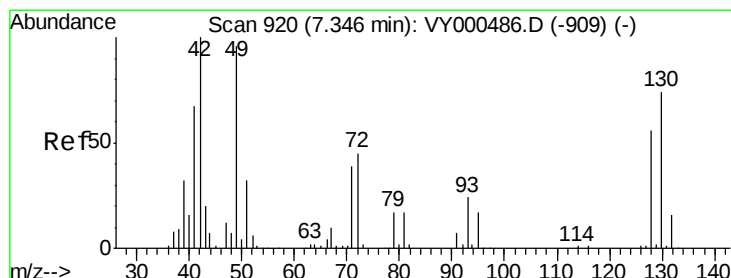
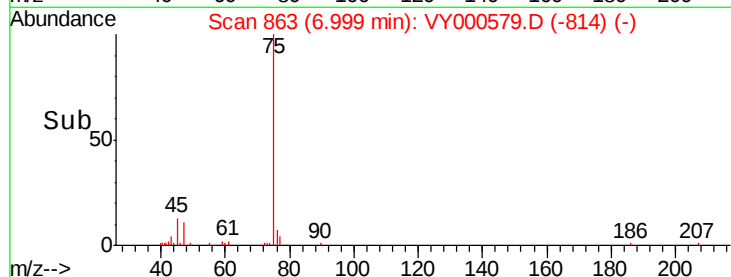
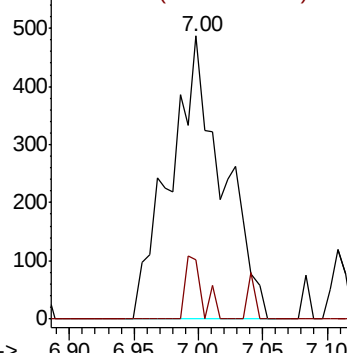
Ion Ratio Lower Upper

43 100

72 20.7 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#28

Bromochloromethane

Concen: 4.103 ug/l

RT: 7.44 min Scan# 935

Delta R.T. 0.09 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

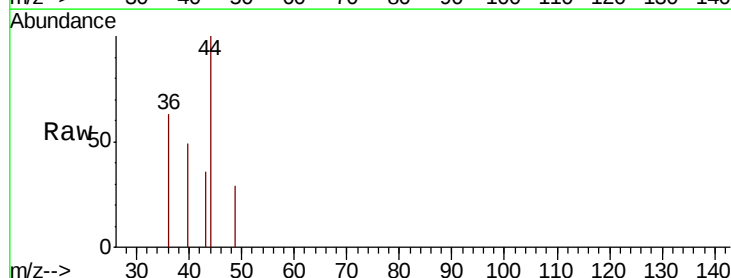
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

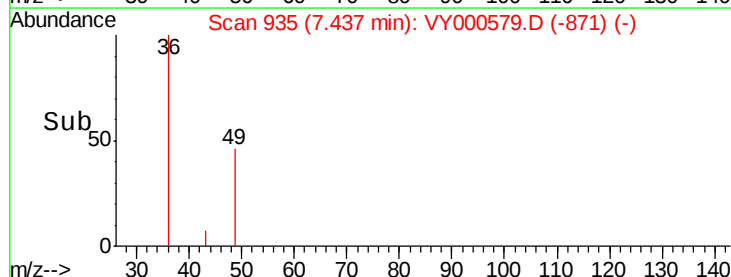
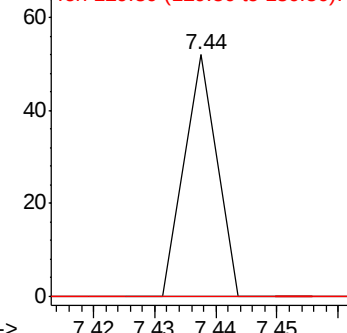
49 100

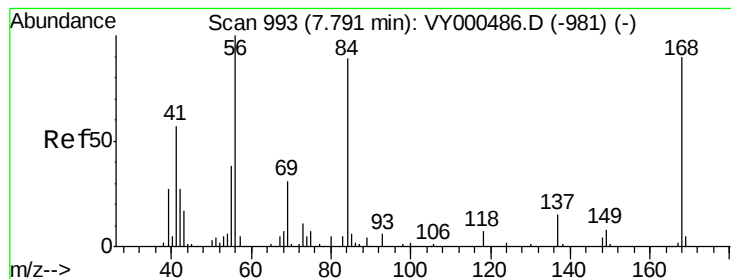
129 0.0 0.0 3.6

130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

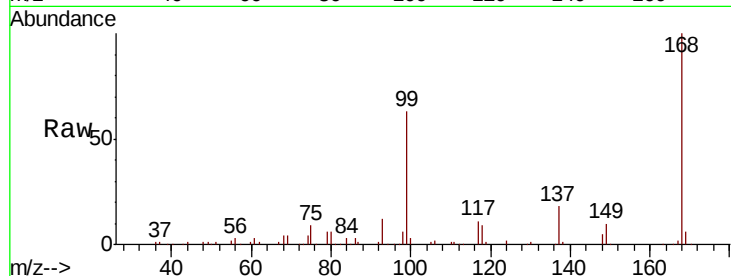
Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

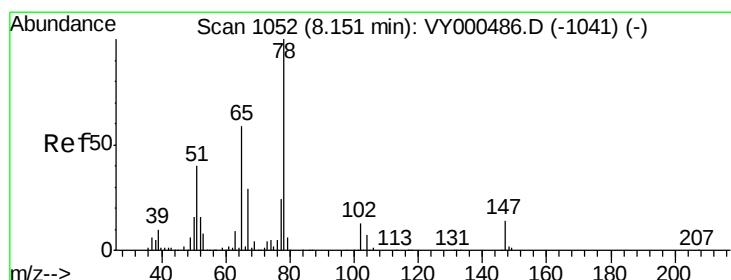
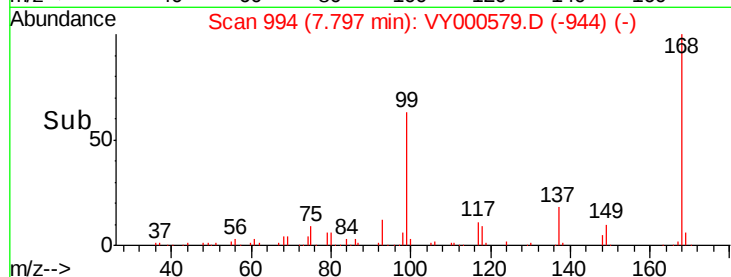
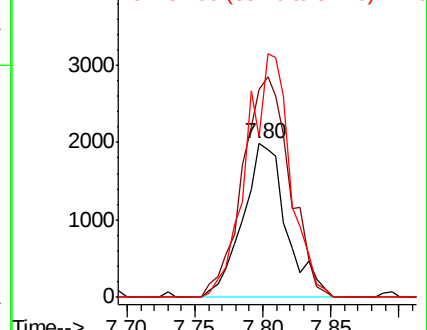
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4451

Ion	Ratio	Lower	Upper
56	100		
69	135.0	25.0	37.6#
84	104.4	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: 57.746 ug/l

RT: 8.16 min Scan# 1053

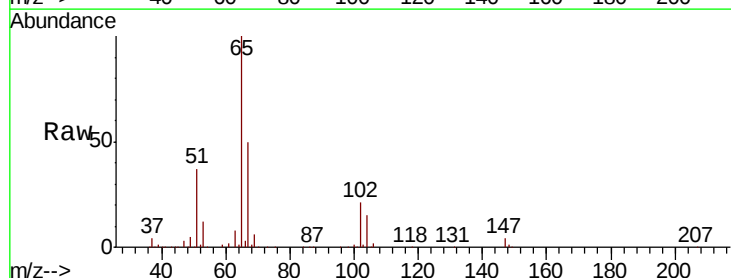
Delta R.T. 0.01 min

Lab File: VY000579.D

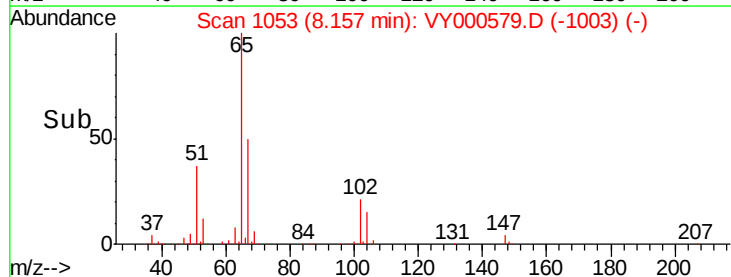
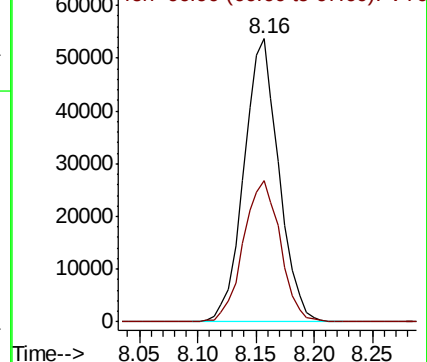
Acq: 07 Nov 2019 14:43

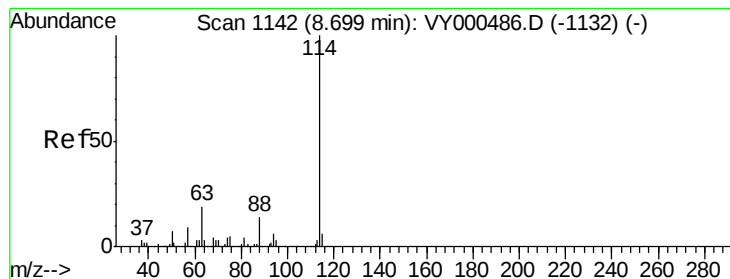
Tgt Ion: 65 Resp: 111706

Ion	Ratio	Lower	Upper
65	100		
67	53.0	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: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

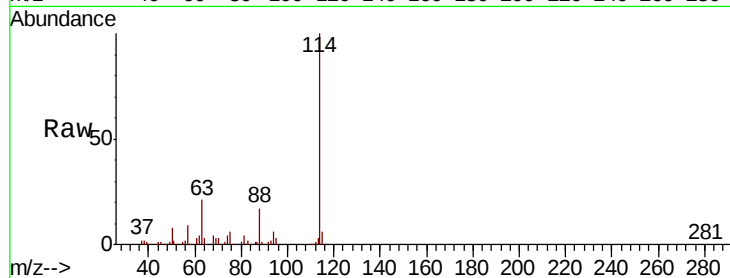
Tot Ion:114 Resp: 334868

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.0

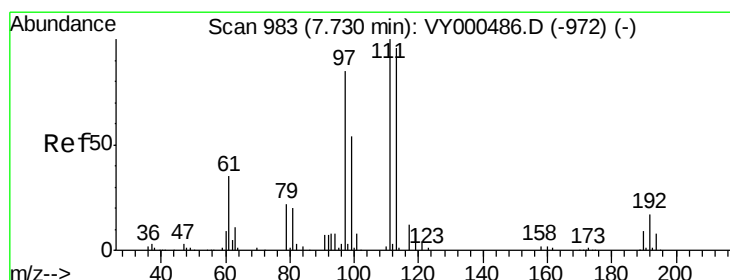
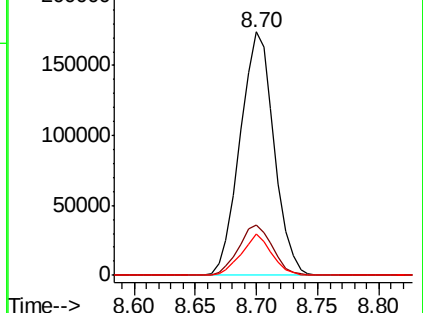
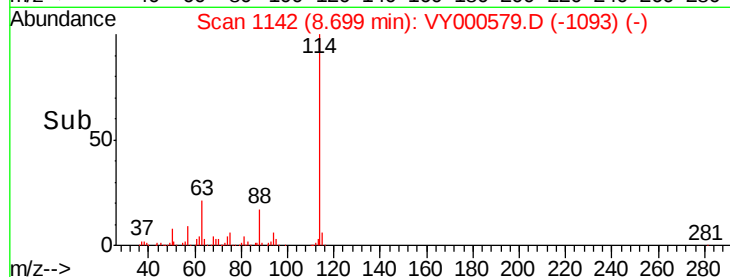
88 16.8 0.0 28.6



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: 50.991 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

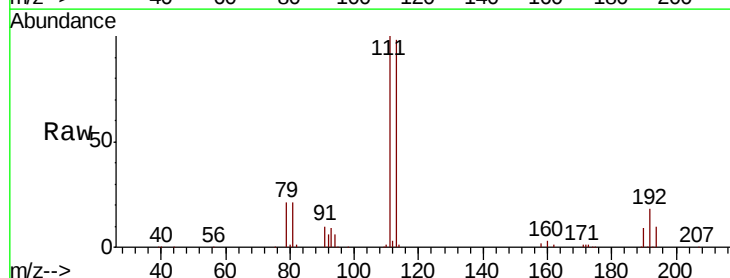
Tgt Ion:113 Resp: 100242

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

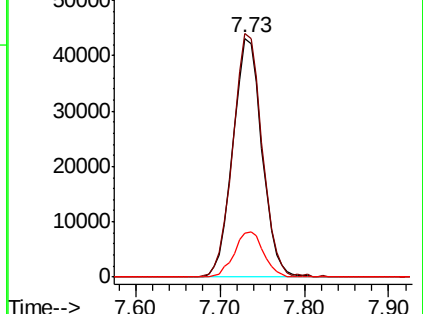
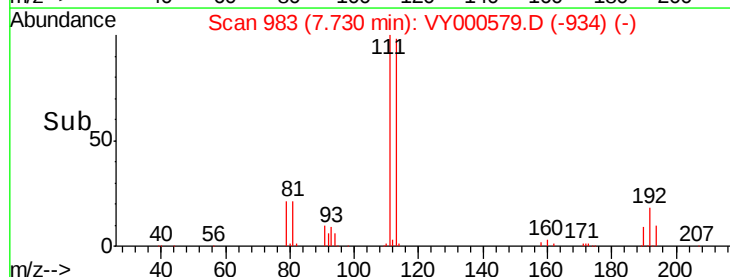
192 19.1 15.0 22.4

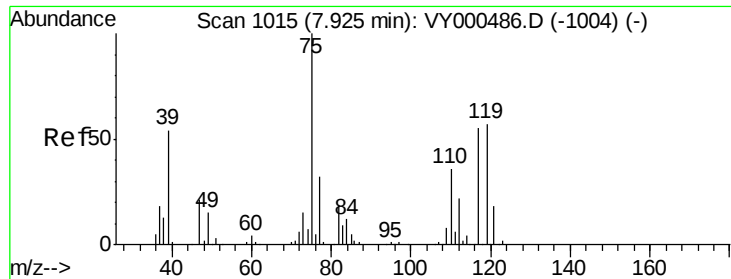


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

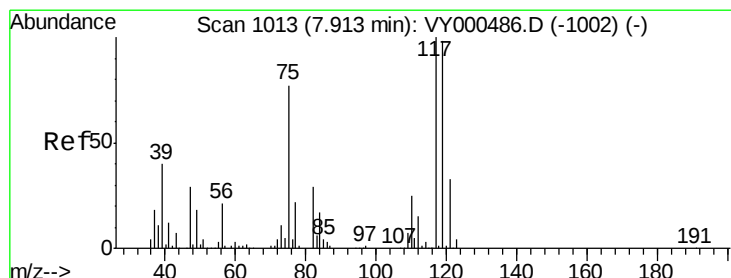
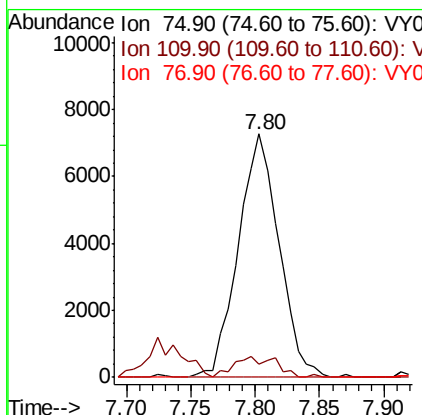
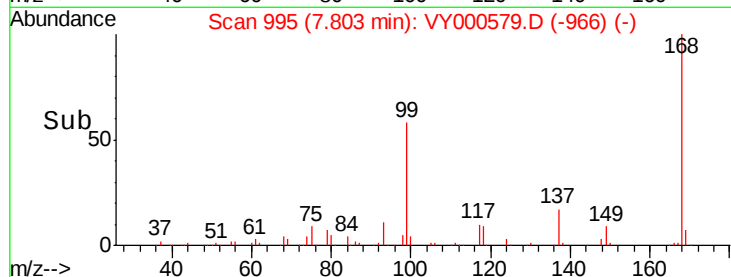
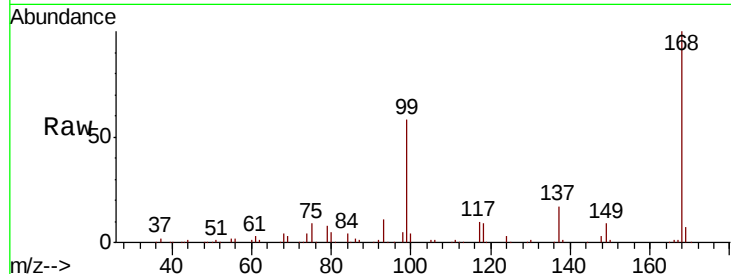




#36
 1,1-Dichloropropene
 Concen: 5.023 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000579.D
 Acq: 07 Nov 2019 14:43

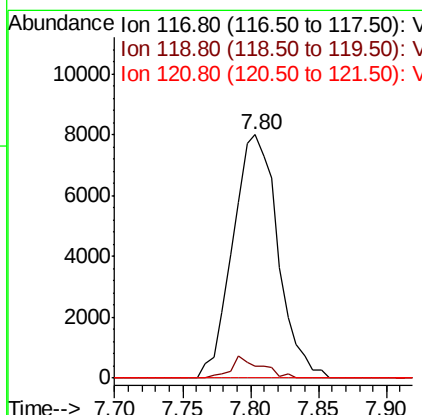
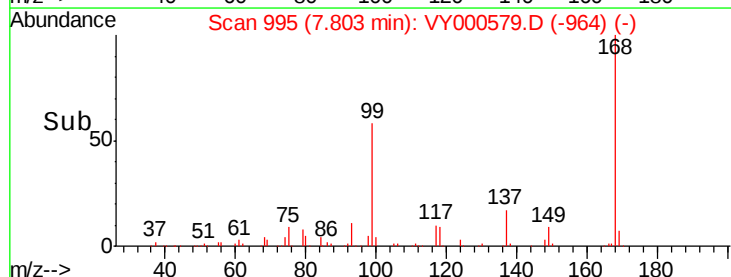
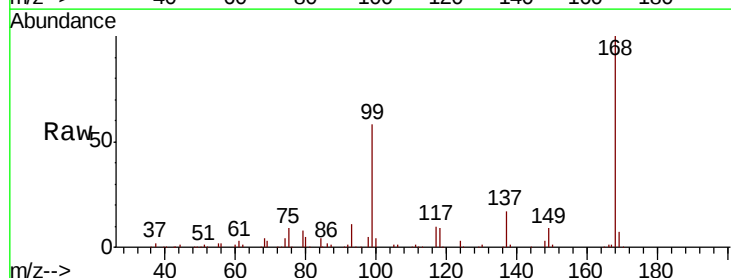
Instrument :
 MSVOA_Y
 ClientSampleId :

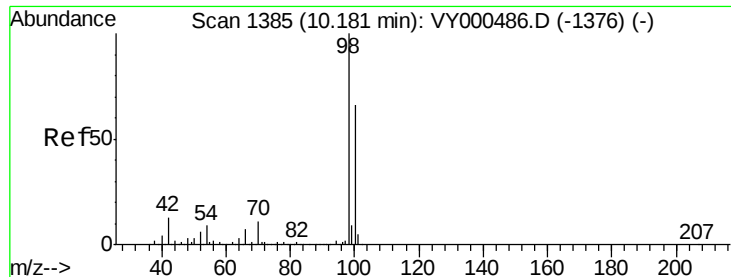
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.089 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000579.D
 Acq: 07 Nov 2019 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.681 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

Instrument :

MSVOA_Y

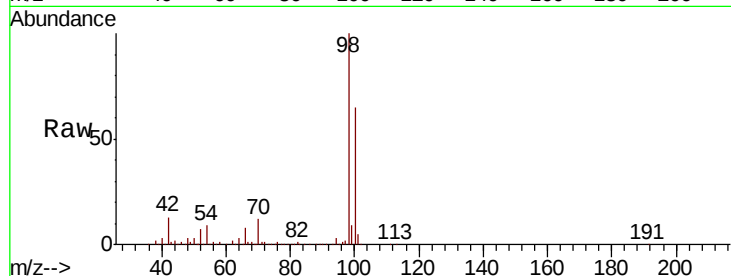
ClientSampleId :

Tot Ion: 98 Resp: 392976

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): VY

10.18

250000

200000

150000

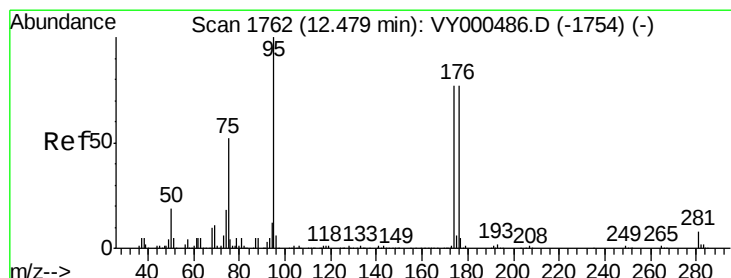
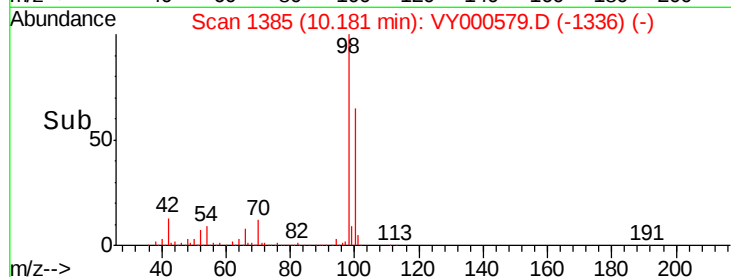
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 46.224 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

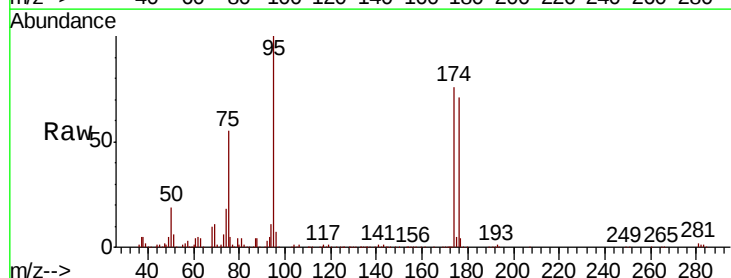
Tgt Ion: 95 Resp: 131268

Ion Ratio Lower Upper

95 100

174 79.0 0.0 161.6

176 73.8 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

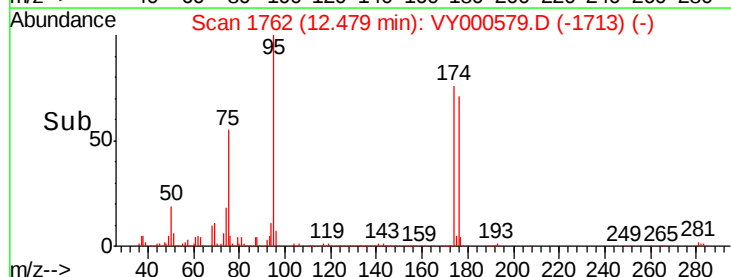
40000

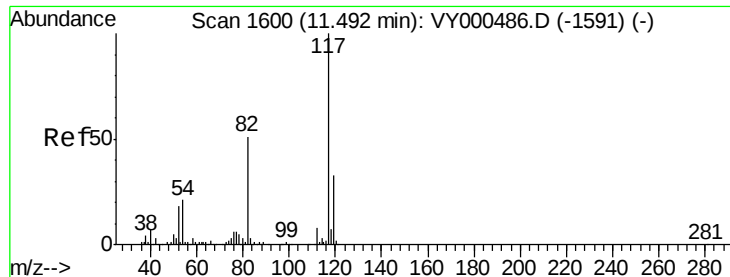
20000

0

Time-->

12.40 12.50

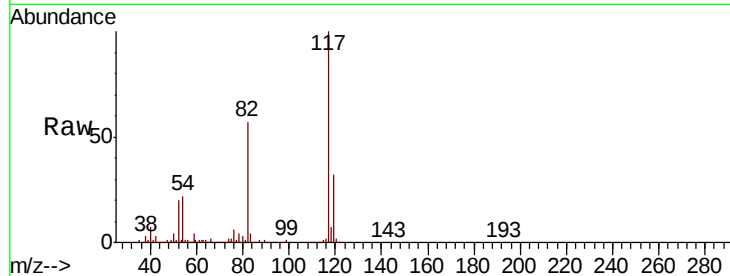




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000579.D
Acq: 07 Nov 2019 14:43

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.8	61.2
119	31.8	26.2	39.2

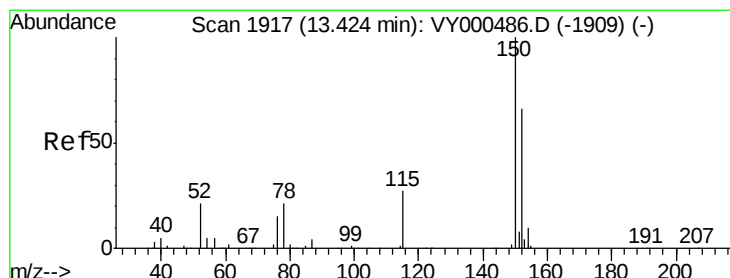
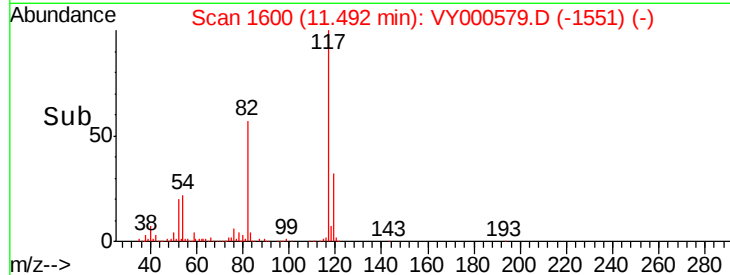
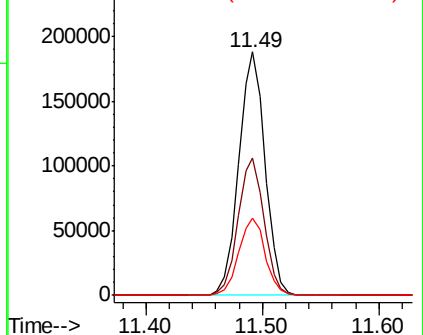


Abundance

Ion 116.90 (116.60 to 117.60): V

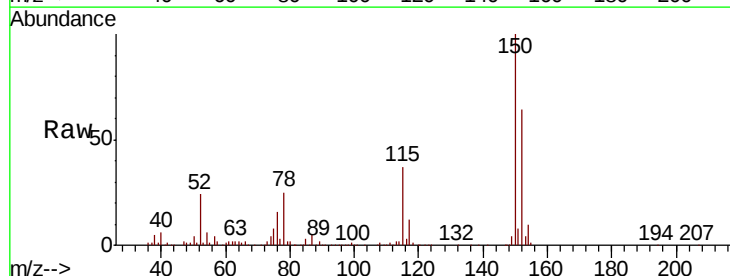
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000579.D
Acq: 07 Nov 2019 14:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.1	87.4
150	159.0	0.0	348.8

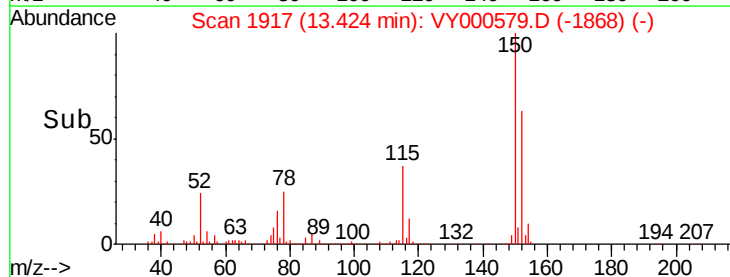
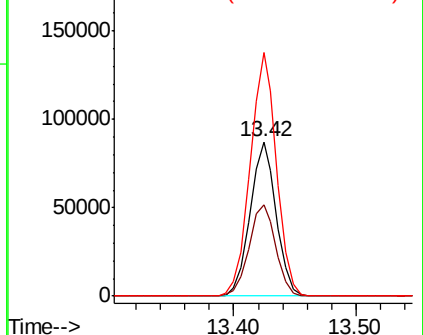


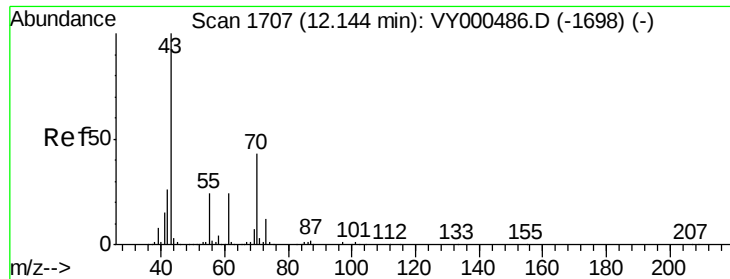
Abundance

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





#74

N-amvl acetate

Concen: 2.433 ug/l

RT: 12.11 min Scan# 1701

Delta R.T. -0.04 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 6644

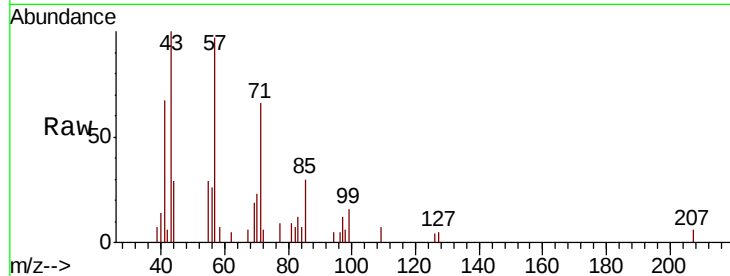
Ion Ratio Lower Upper

43 100

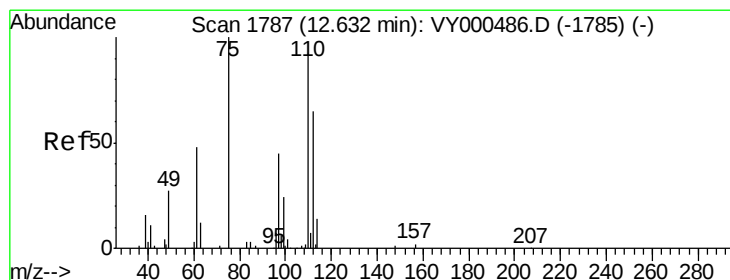
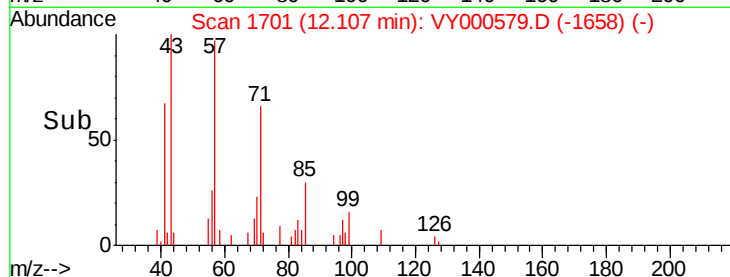
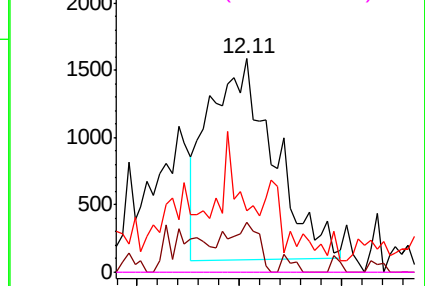
70 11.6 33.1 49.7#

55 18.8 18.0 27.0

61 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 70.00 (69.70 to 70.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 48.643 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000579.D

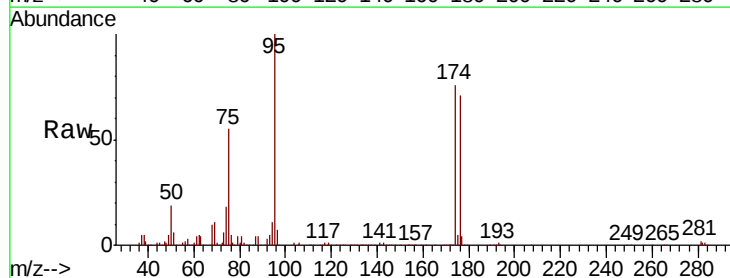
Acq: 07 Nov 2019 14:43

Tgt Ion: 75 Resp: 71446

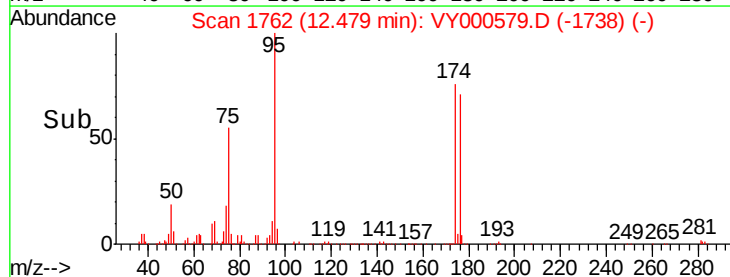
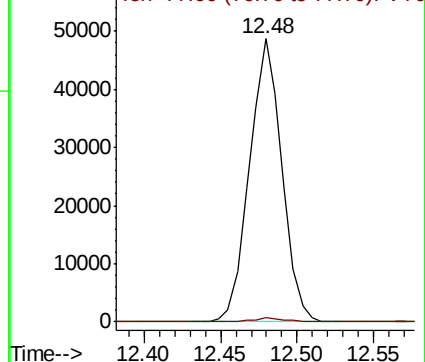
Ion Ratio Lower Upper

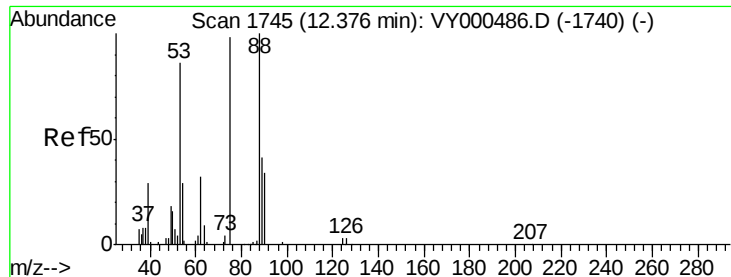
75 100

77 1.3 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: 109.065 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000579.D

Acq: 07 Nov 2019 14:43

Instrument :

MSVOA_Y

ClientSampleId :

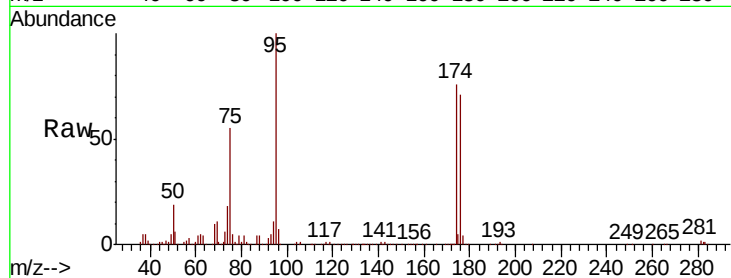
Tot Ion: 75 Resp: 71446

Ion Ratio Lower Upper

75 100

53 0.0 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

