

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001386.D
 Acq On : 24 Jan 2020 16:40
 Operator : SY/MD
 Sample : L1242-01
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 03:51:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	161868	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	296486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	266203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	110324	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	96441	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
35) Dibromofluoromethane	7.74	113	87686	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.19	98	352721	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.49	95	123678	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

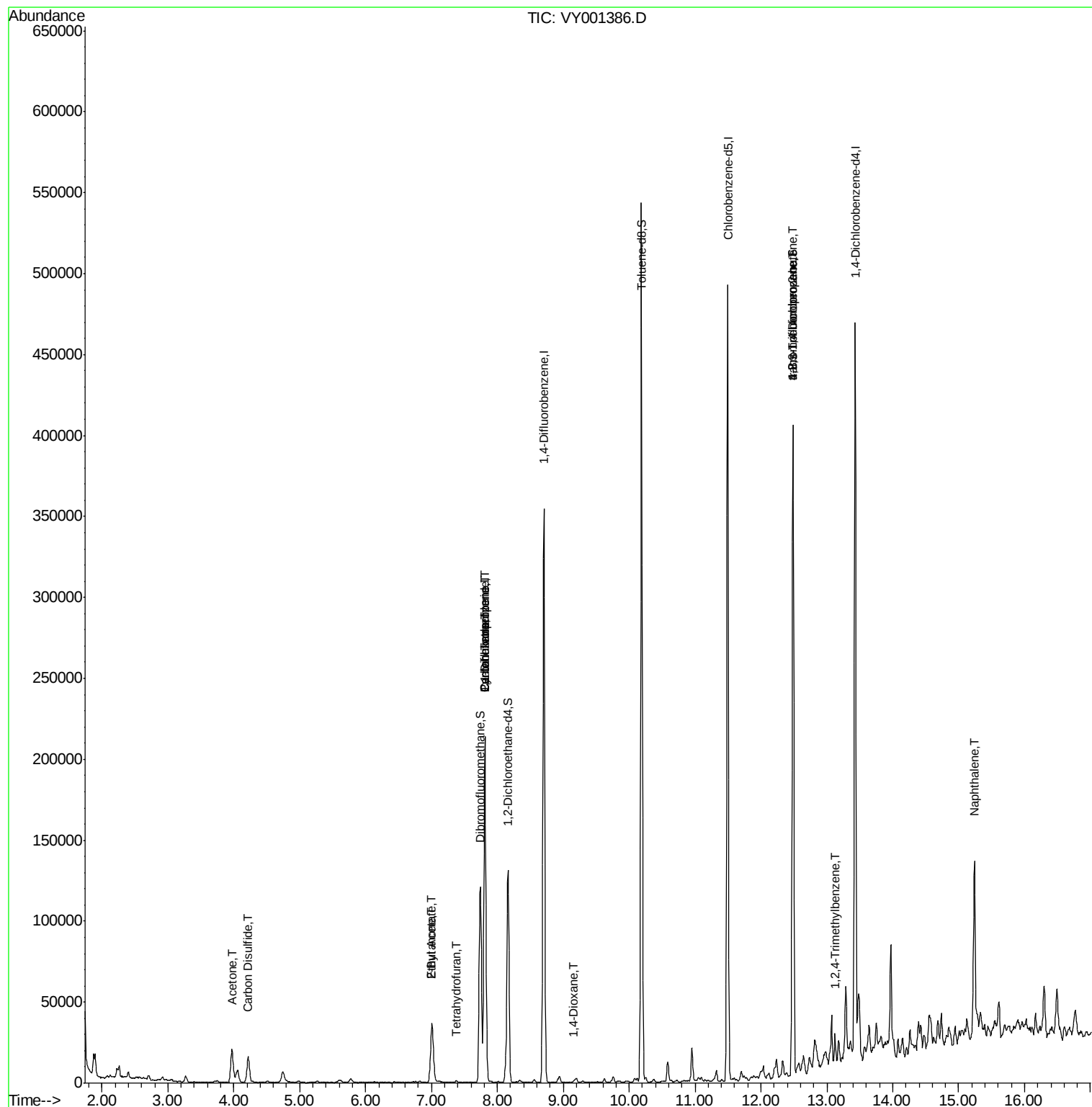
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	1536	Below Cal	#	85
13) Acrolein	3.76	56	1089	Below Cal	#	23
16) Acetone	3.97	43	36946	74.299	ug/l	98
17) Carbon Disulfide	4.22	76	31204	5.773	ug/l	99
20) Methylene Chloride	4.74	84	4822	Below Cal		95
25) 2-Butanone	7.01	43	15872	20.703	ug/l	95
29) Tetrahydrofuran	7.38	42	565	1.133	ug/l #	73
31) Cyclohexane	7.80	56	4279	1.256	ug/l #	21
36) 1,1-Dichloropropene	7.81	75	12710	4.538	ug/l #	50
37) Ethyl Acetate	7.01	43	15872	9.274	ug/l #	82
38) Carbon Tetrachloride	7.82	117	15785	6.323	ug/l #	16
49) 1,4-Dioxane	9.14	88	19	1.182	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	61297	46.108	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61297	87.255	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.13	105	9933	1.362	ug/l	98
95) Naphthalene	15.24	128	78831	14.999	ug/l	98

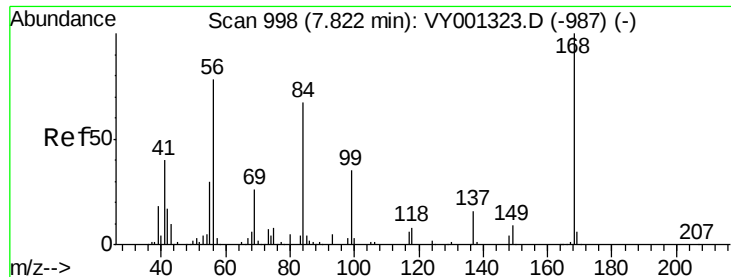
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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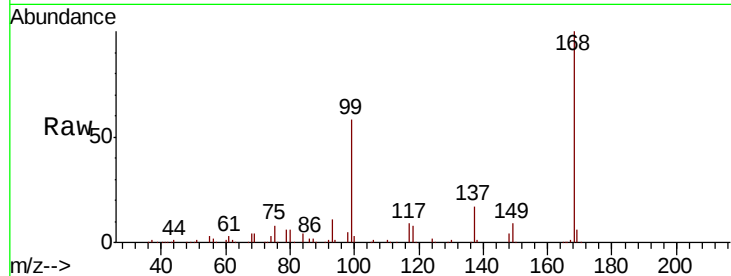


#1

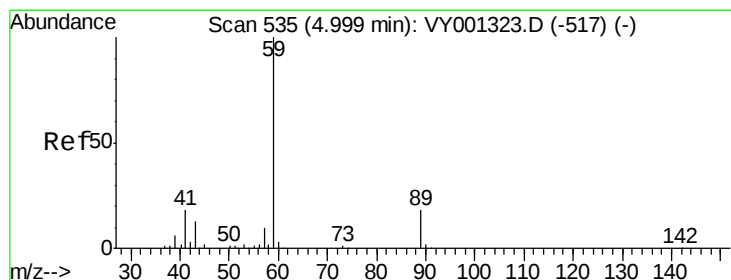
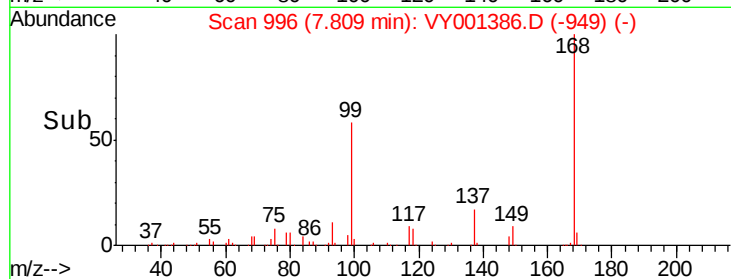
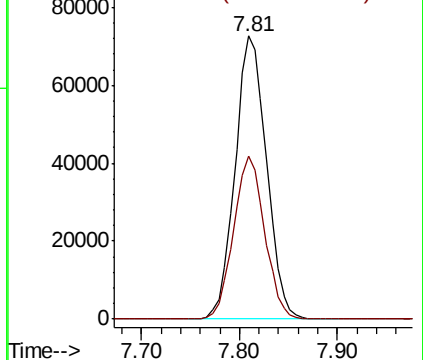
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VY001386.D
 Acq: 24 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:168 Resp: 161868
 Ion Ratio Lower Upper
 168 100
 99 57.6 44.3 66.5



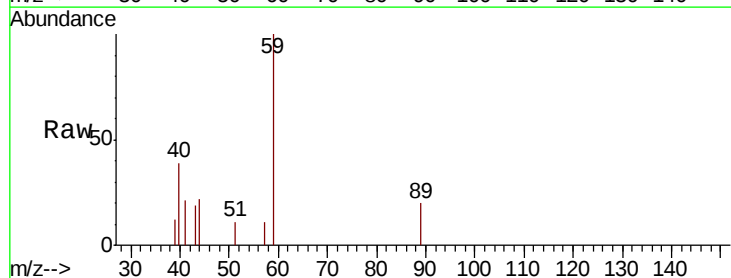
Abundance Ion 167.90 (167.60 to 168.60): VY001386.D (-949) (-)
 Ion 98.90 (98.60 to 99.60): VY001386.D (-949) (-)



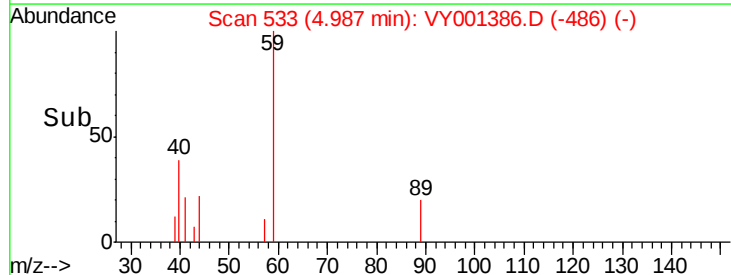
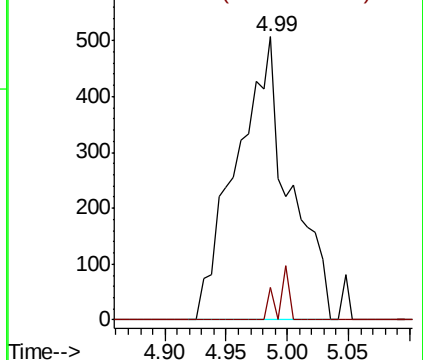
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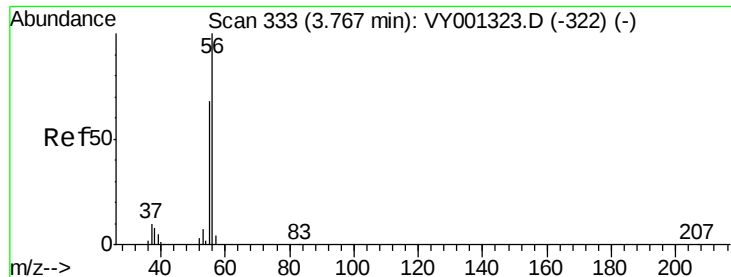
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001386.D
 Acq: 24 Jan 2020 16:40

Tgt Ion: 59 Resp: 1536
 Ion Ratio Lower Upper
 59 100
 57 3.7 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001386.D (-486) (-)
 Ion 57.00 (56.70 to 57.70): VY001386.D (-486) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 332

Delta R.T. -0.01 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

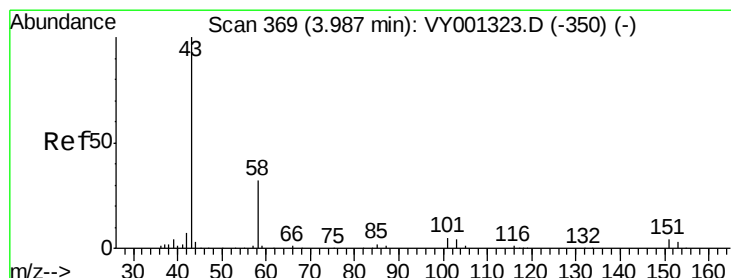
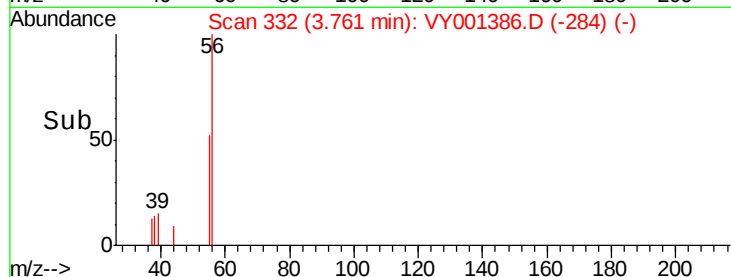
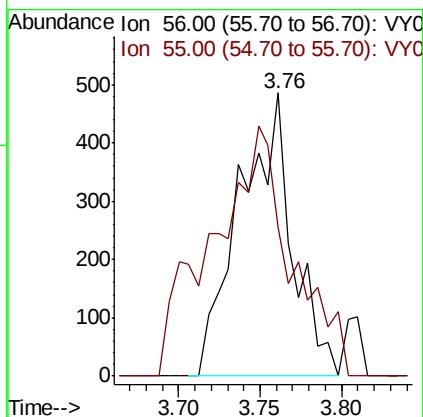
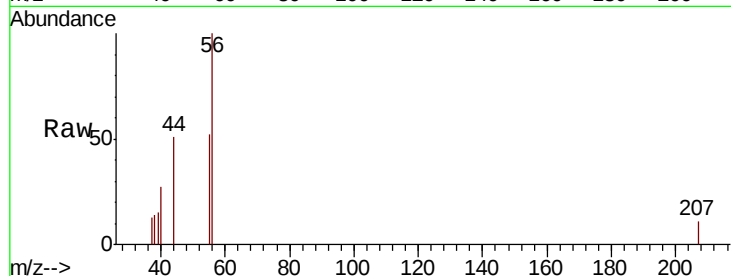
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 1089

Ion Ratio Lower Upper

56 100

55 132.9 55.9 83.9#



#16

Acetone

Concen: 74.299 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001386.D

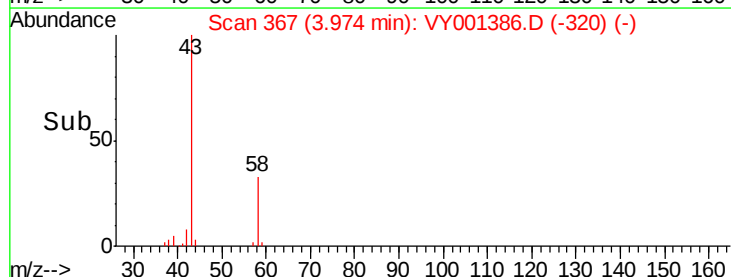
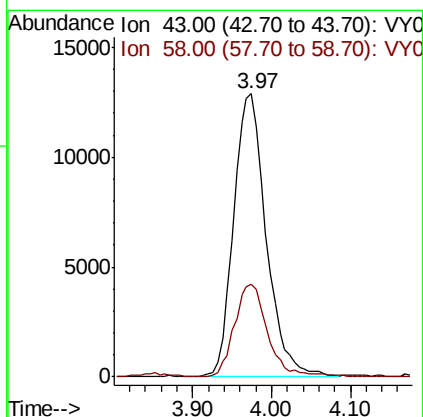
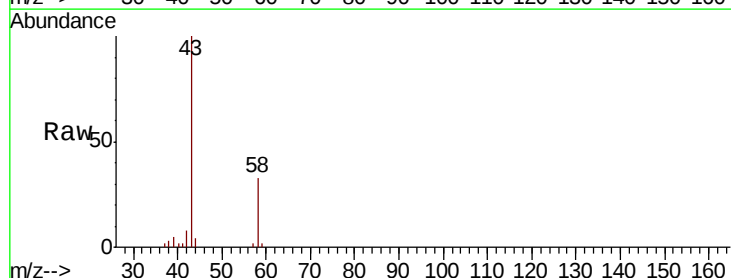
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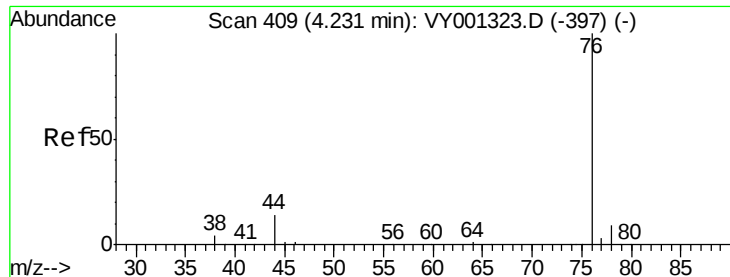
Tgt Ion: 43 Resp: 36946

Ion Ratio Lower Upper

43 100

58 32.7 25.4 38.0

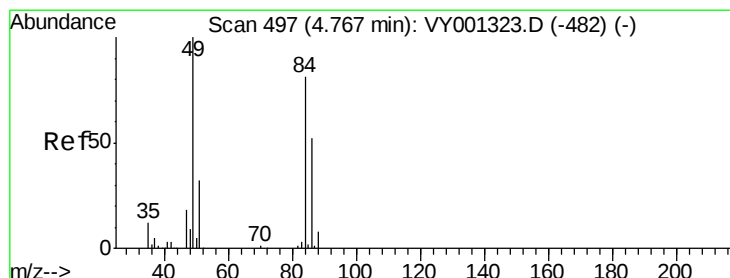
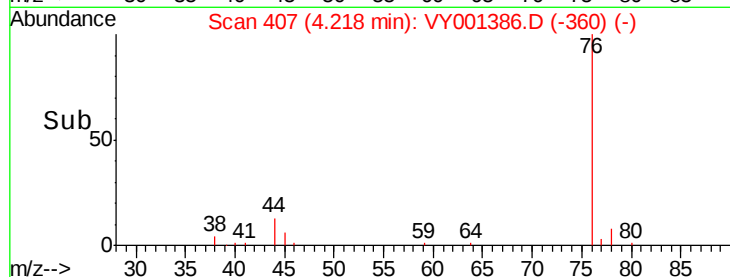
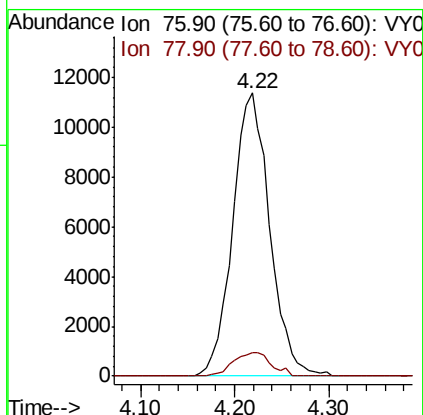
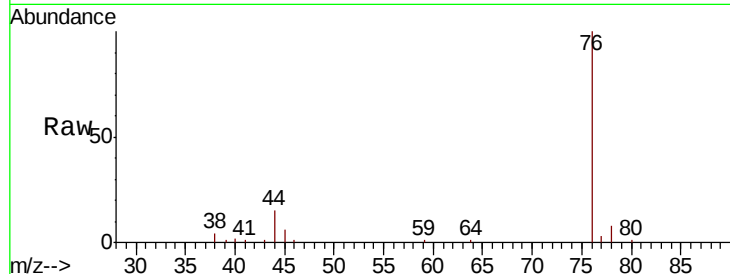




#17
Carbon Disulfide
Concen: 5.773 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

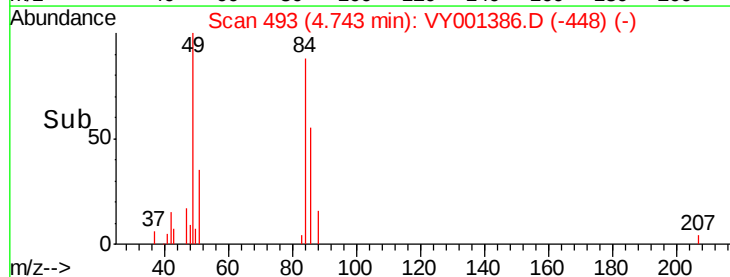
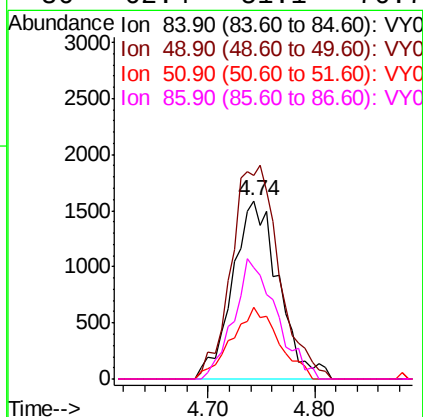
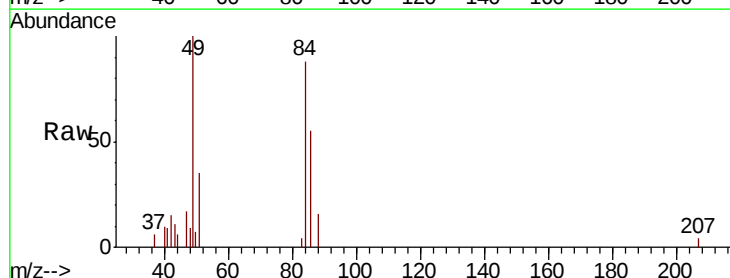
Instrument :
MSVOA_Y
ClientSampleId :

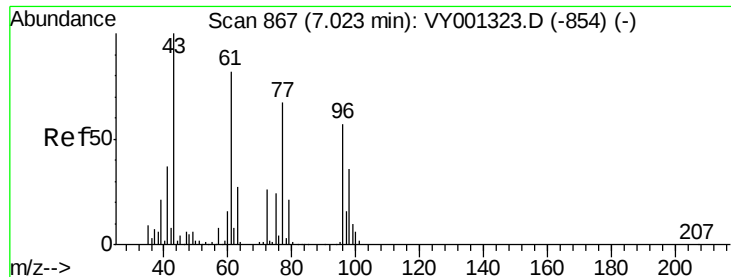
Tot Ion: 76 Resp: 31204
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. -0.02 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

Tgt Ion: 84 Resp: 4822
Ion Ratio Lower Upper
84 100
49 114.0 98.3 147.5
51 40.1 31.6 47.4
86 62.4 51.1 76.7

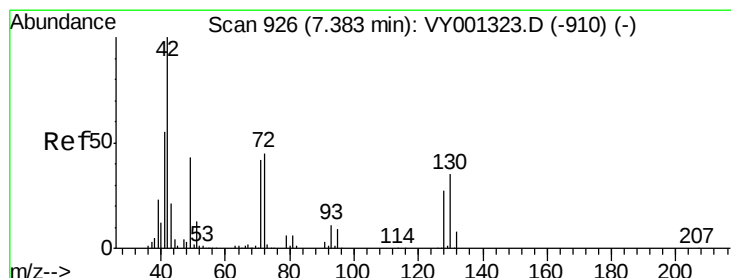
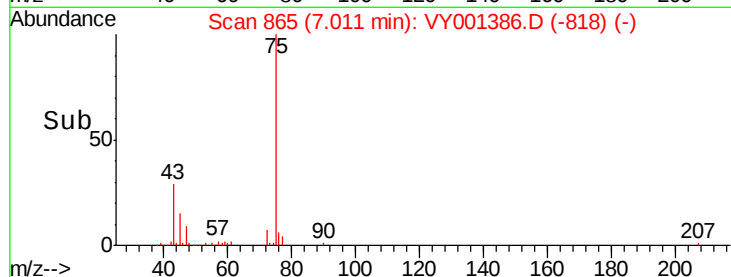
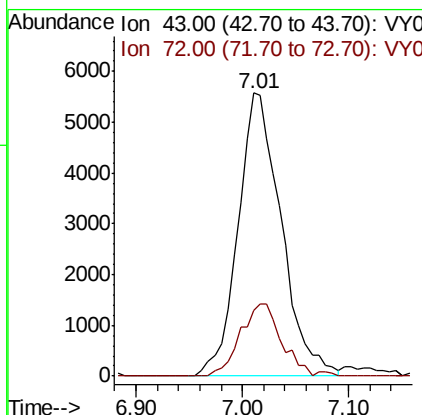
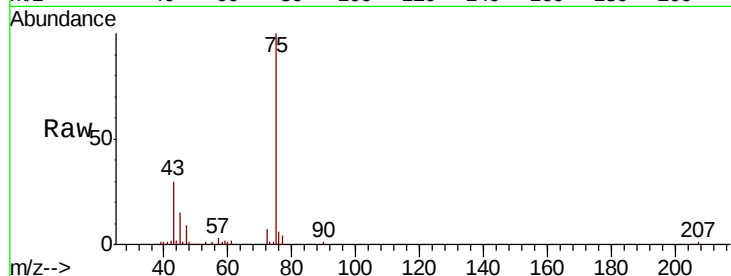




#25
2-Butanone
Concen: 20.703 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

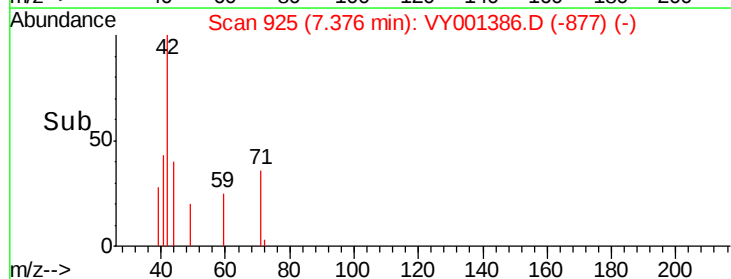
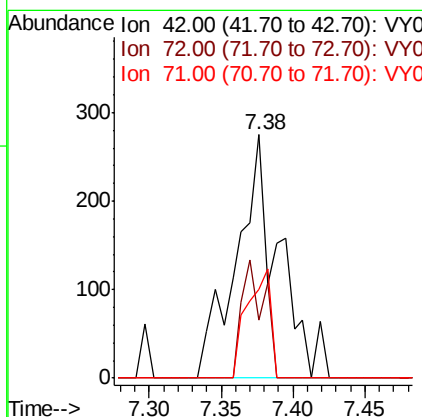
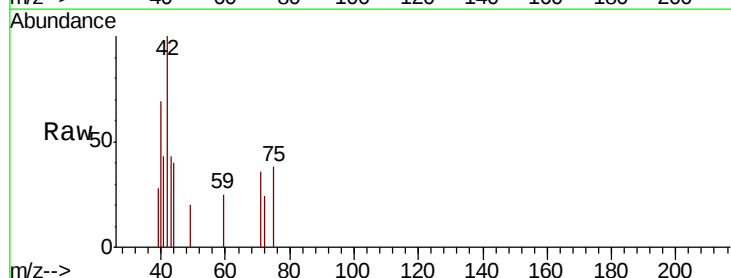
Instrument :
MSVOA_Y
ClientSampled :

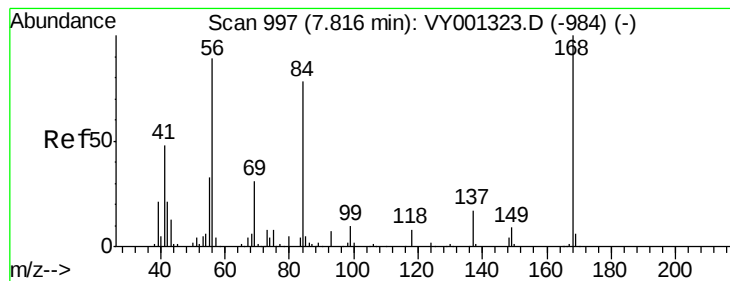
Tot Ion: 43 Resp: 15872
Ion Ratio Lower Upper
43 100
72 23.1 20.6 31.0



#29
Tetrahydrofuran
Concen: 1.133 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.01 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 25.5 34.6 51.8#
71 24.6 32.6 48.8#





#31

Cyclohexane

Concen: 1.256 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

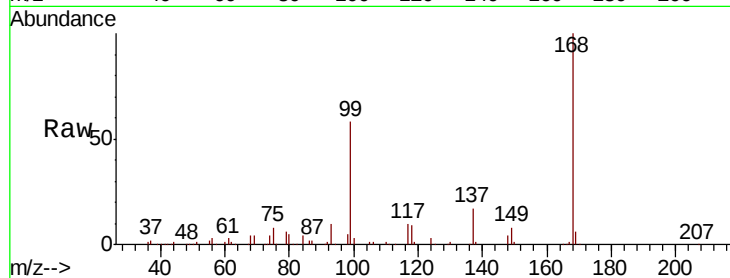
Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4279

Ion	Ratio	Lower	Upper
56	100		
69	130.7	27.6	41.4#
84	128.0	69.7	104.5#

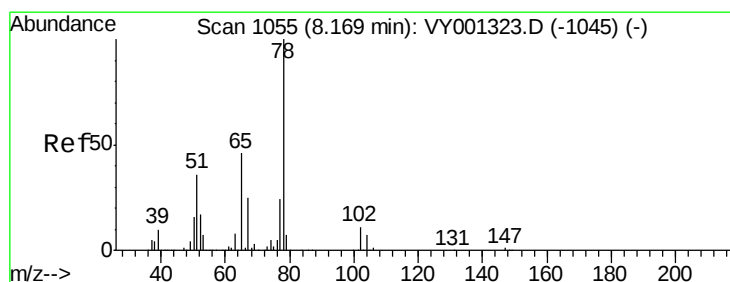
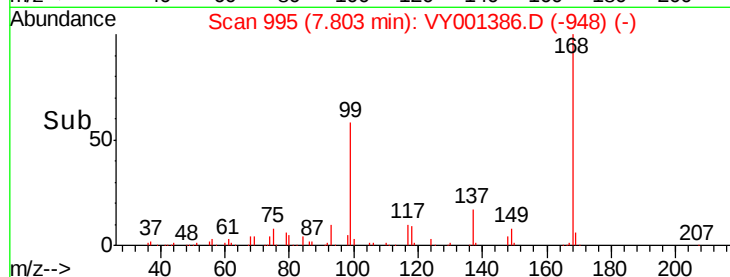
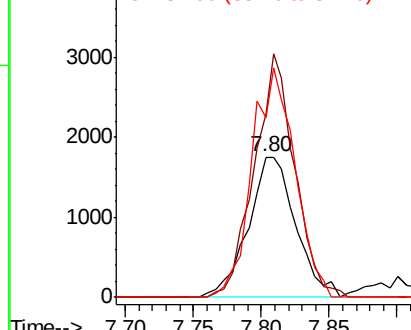


Abundance

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: 54.754 ug/l

RT: 8.16 min Scan# 1054

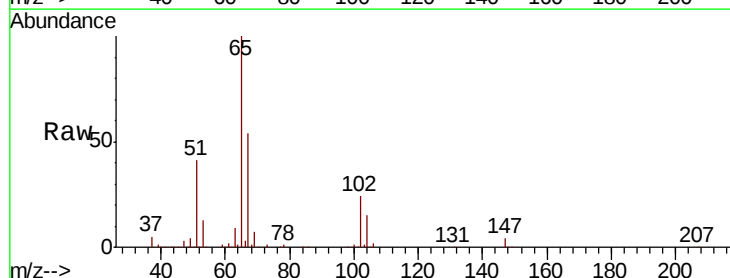
Delta R.T. -0.01 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

Tgt Ion: 65 Resp: 96441

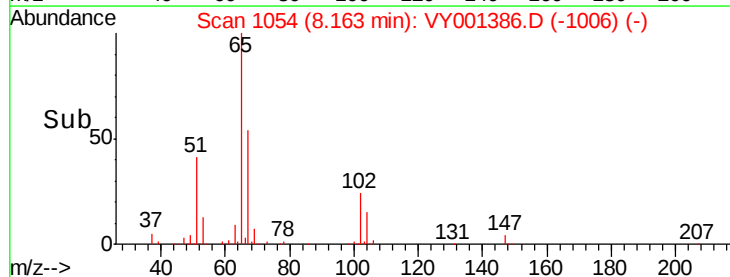
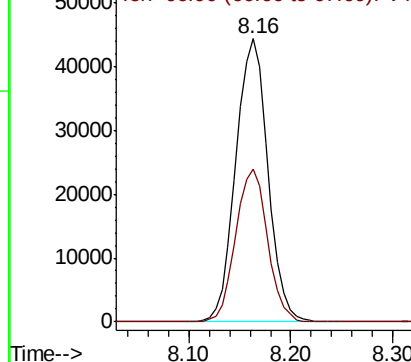
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.6

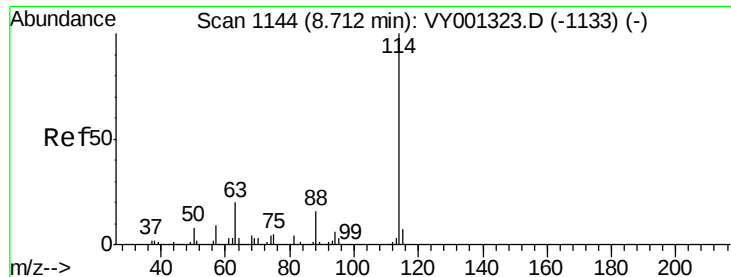


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

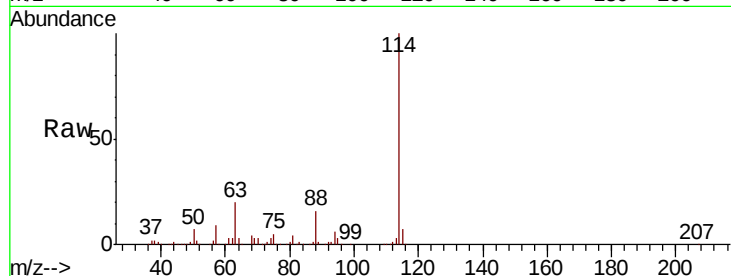




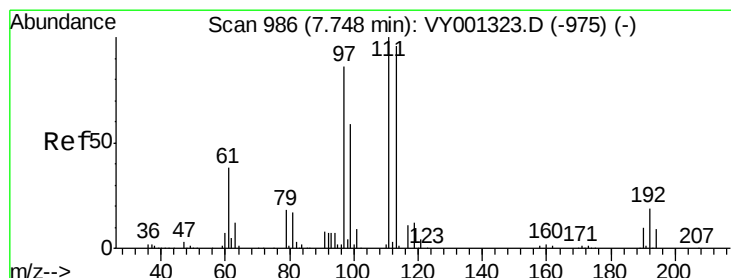
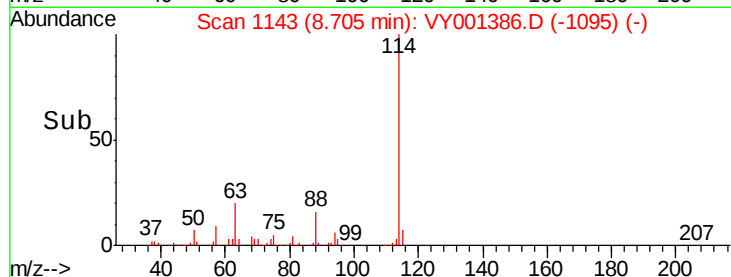
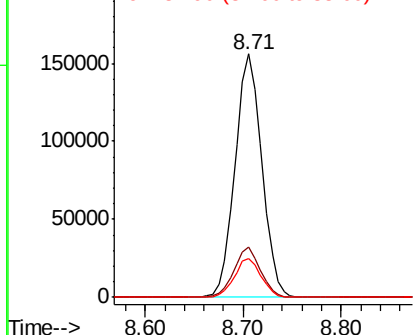
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 296486
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.1 0.0 31.0

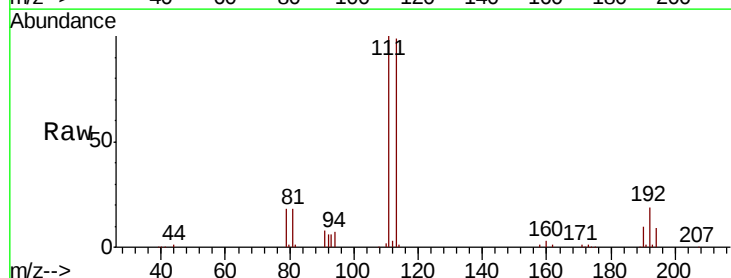


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

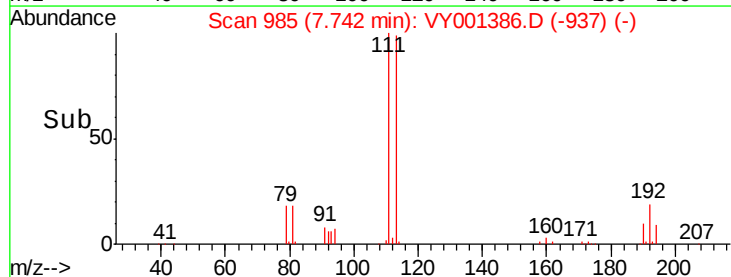
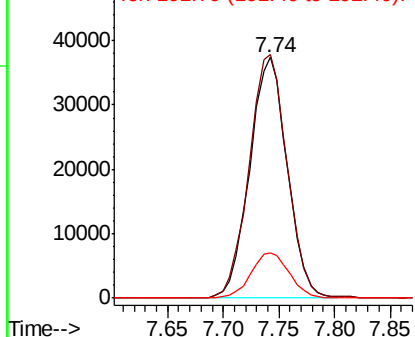


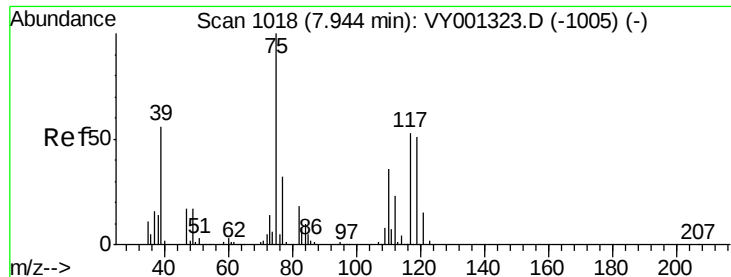
#35
Dibromofluoromethane
Concen: 50.391 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

Tgt Ion:113 Resp: 87686
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.2 15.5 23.3



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

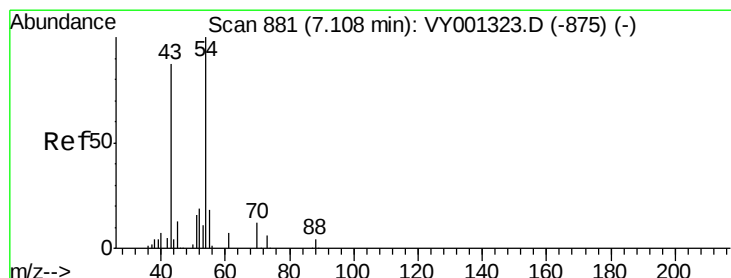
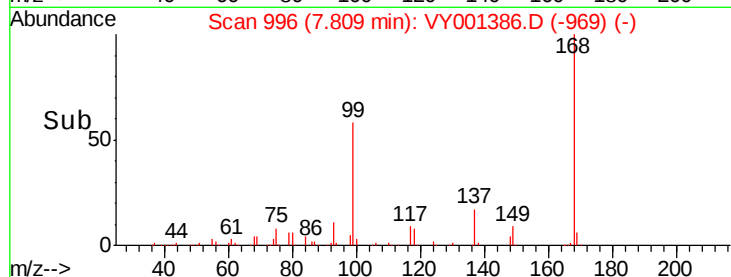
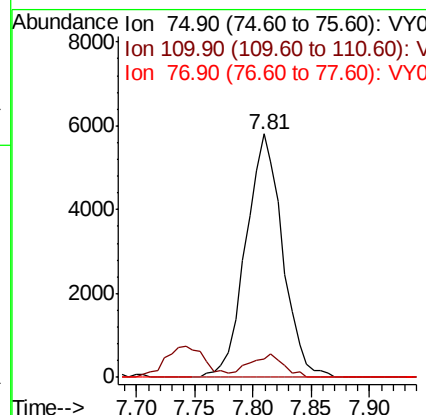
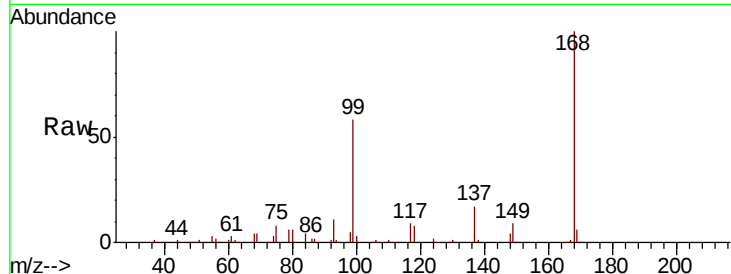




#36
 1,1-Dichloropropene
 Concen: 4.538 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001386.D
 Acq: 24 Jan 2020 16:40

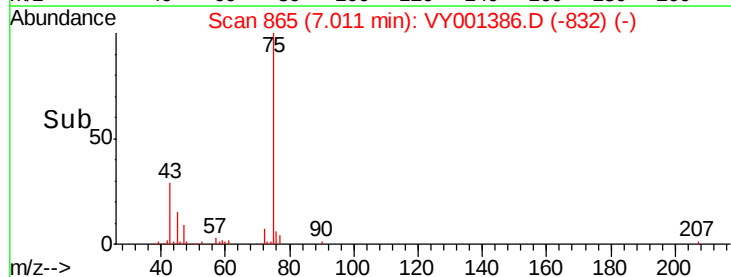
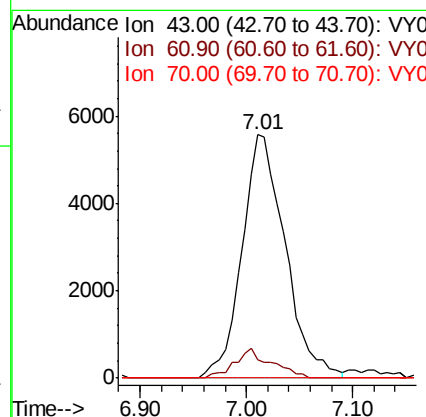
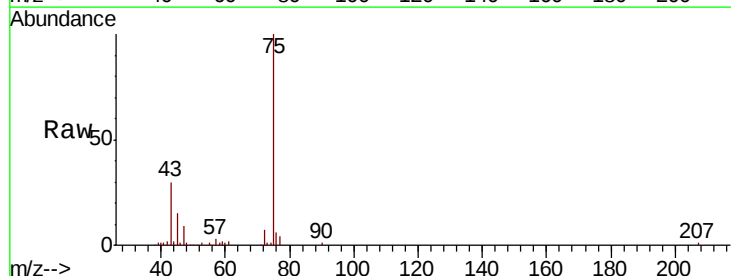
Instrument :
 MSVOA_Y
 ClientSampleId :

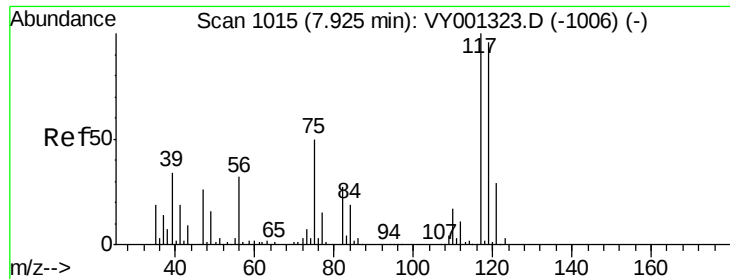
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.6	52.8#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 9.274 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.10 min
 Lab File: VY001386.D
 Acq: 24 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.3	11.3	16.9#
70	0.0	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 6.323 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

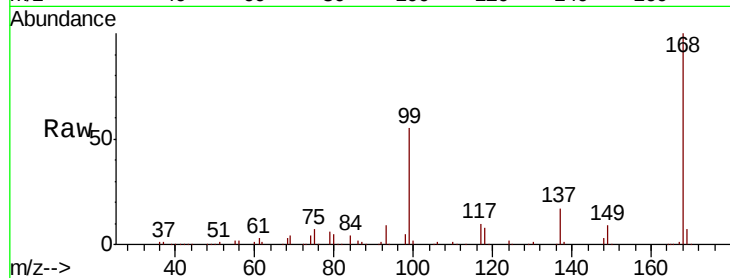
Tot Ion:117 Resp: 15785

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

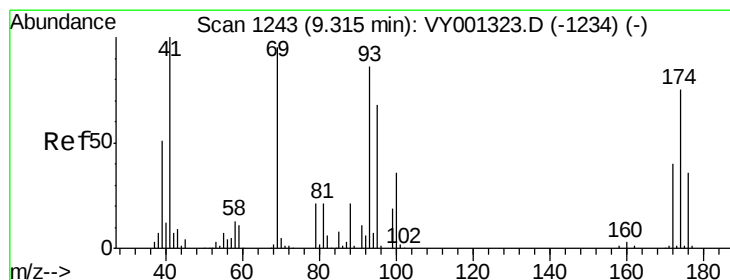
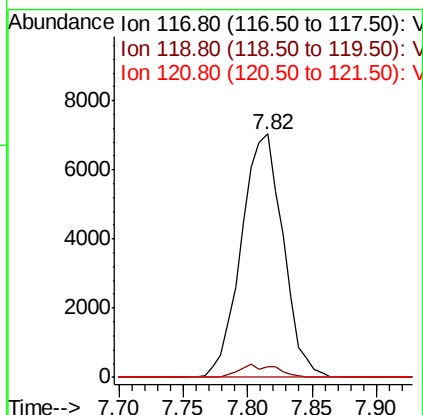
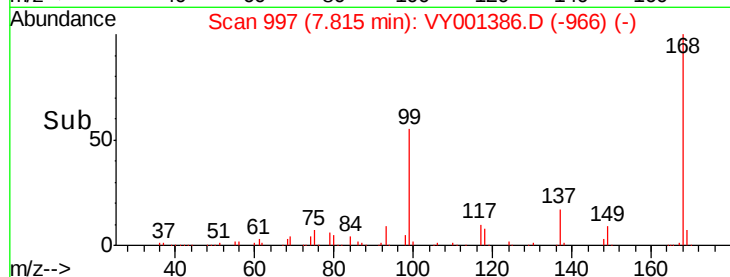
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 1.182 ug/l

RT: 9.14 min Scan# 1215

Delta R.T. -0.17 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

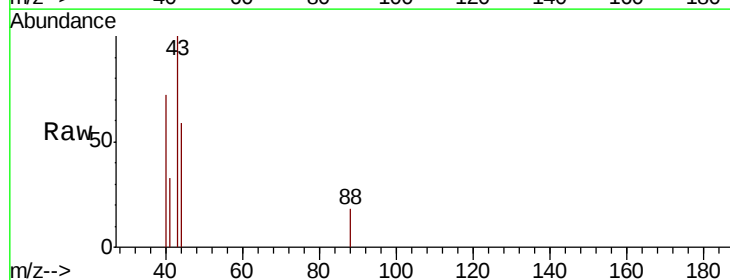
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 4826.3 28.2 42.2#

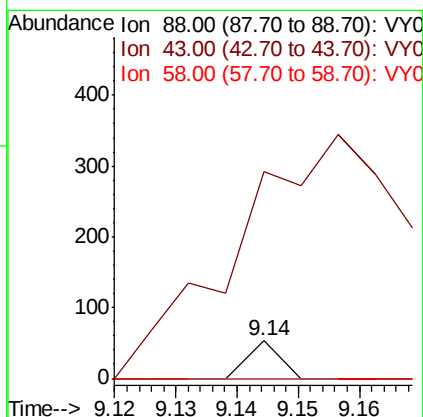
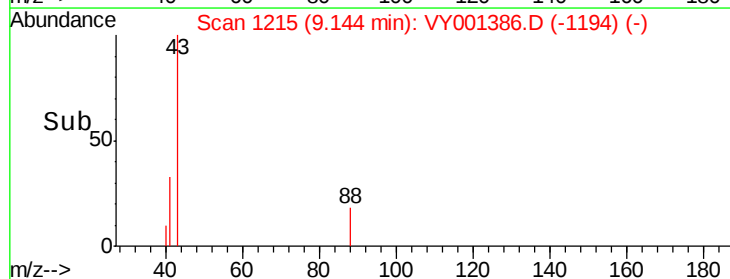
58 0.0 55.6 83.4#

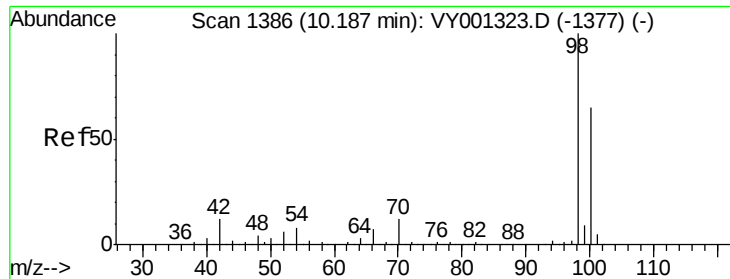


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 52.172 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

Instrument :

MSVOA_Y

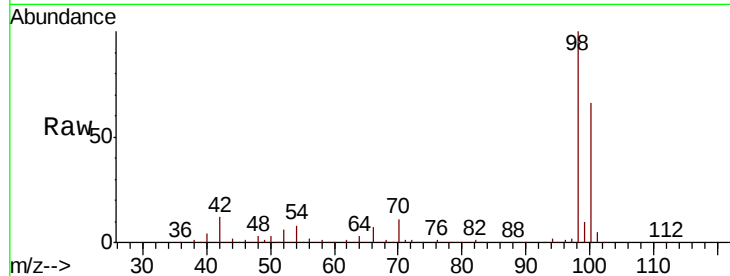
ClientSampleId :

Tot Ion: 98 Resp: 352721

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001386.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001386.D (-1377) (-)

10.19

200000

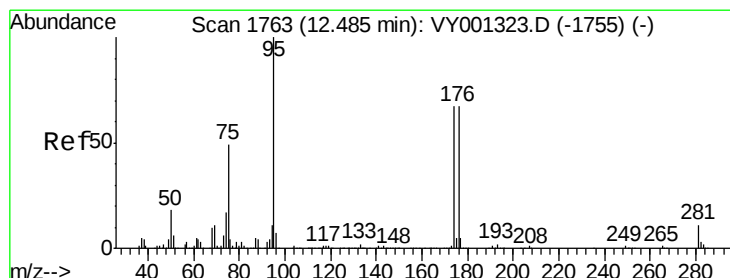
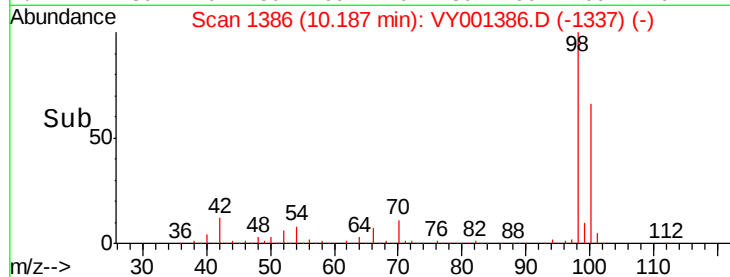
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.937 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

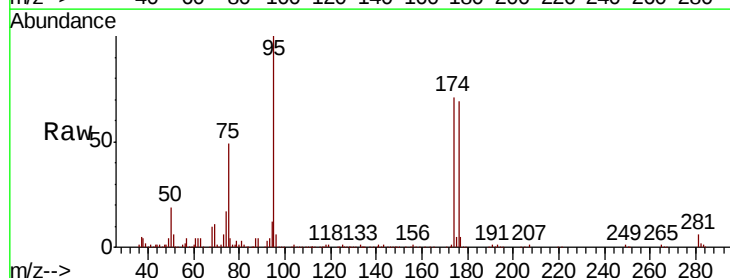
Tgt Ion: 95 Resp: 123678

Ion Ratio Lower Upper

95 100

174 75.1 0.0 142.0

176 71.5 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001386.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001386.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001386.D (-1714) (-)

12.49

100000

80000

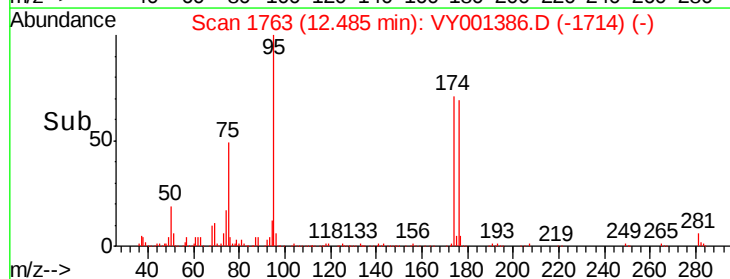
60000

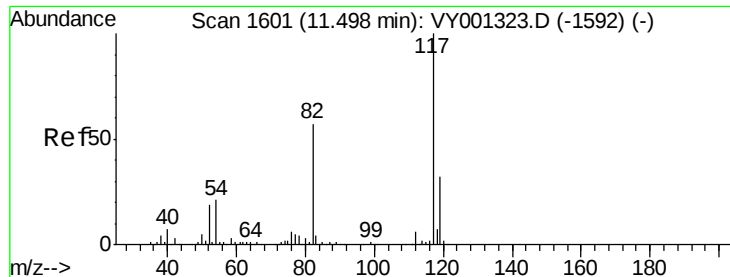
40000

20000

0

Time-->

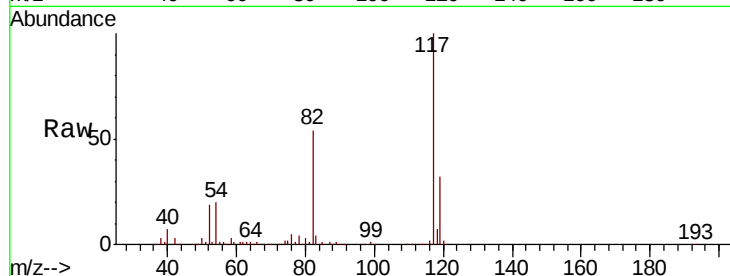




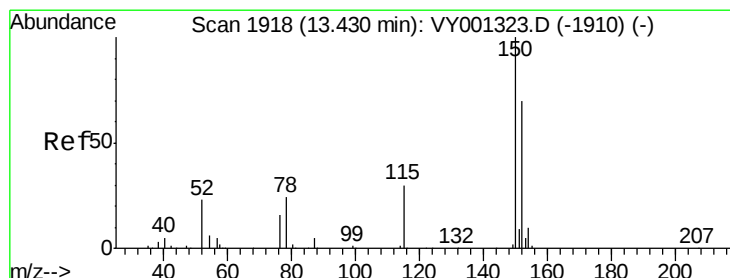
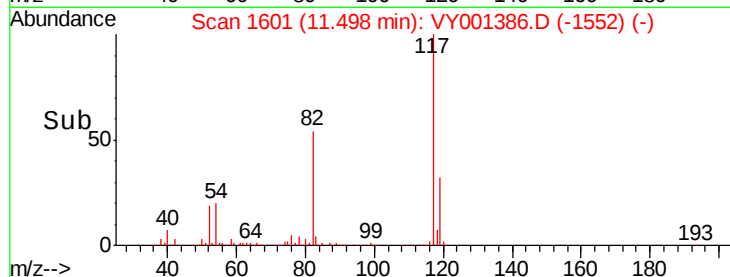
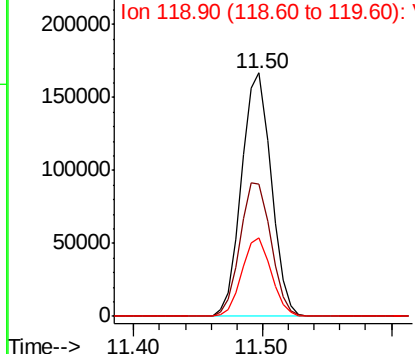
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.5	68.3
119	32.0	25.8	38.6

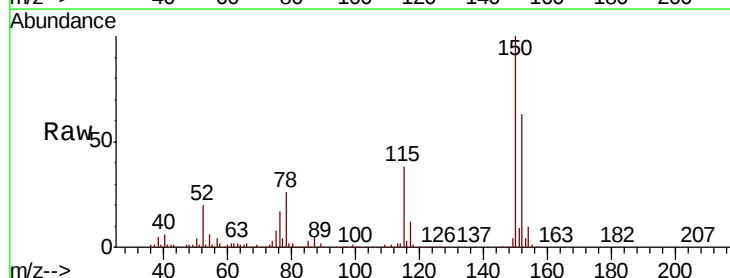


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

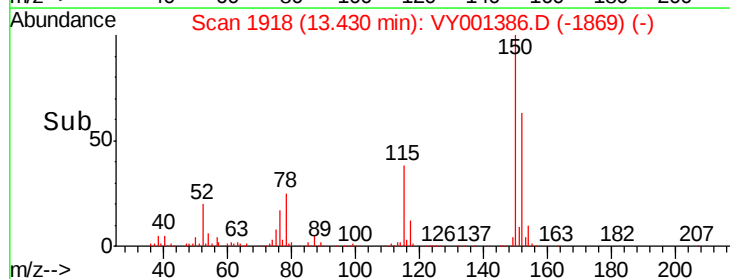
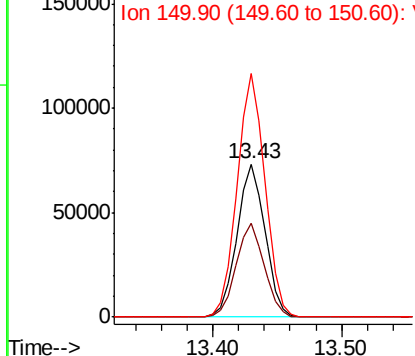


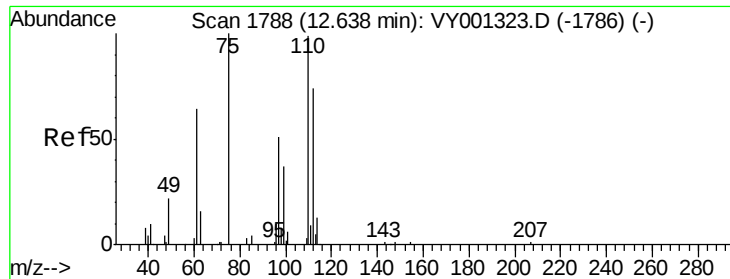
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001386.D
Acq: 24 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.9	92.8
150	157.6	0.0	349.2



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: 46.108 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

Instrument :

MSVOA_Y

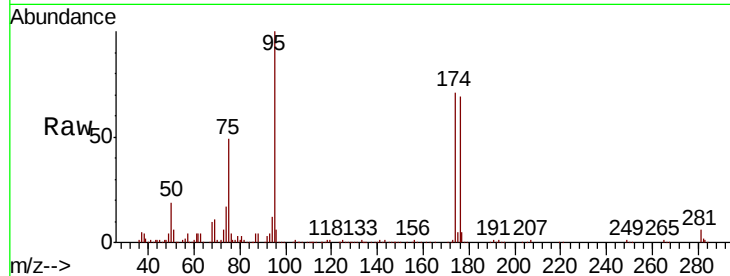
ClientSampleId :

Tot Ion: 75 Resp: 61297

Ion Ratio Lower Upper

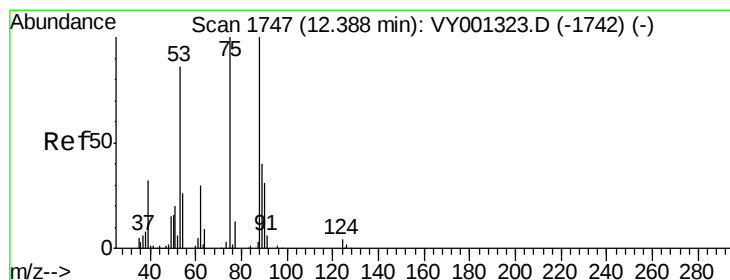
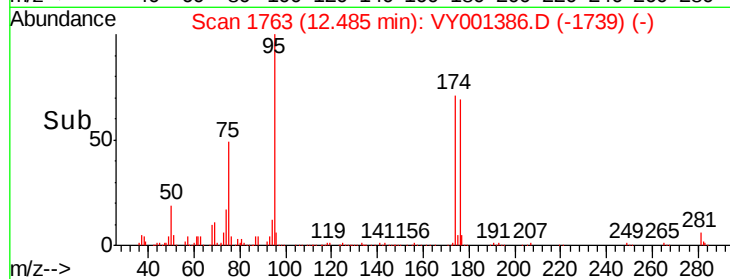
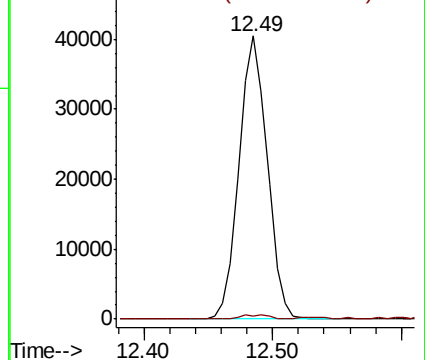
75 100

77 1.9 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: 87.255 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001386.D

Acq: 24 Jan 2020 16:40

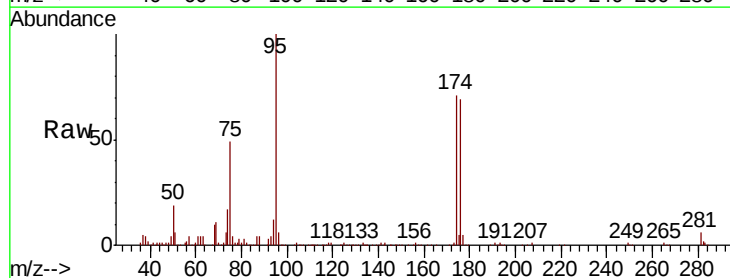
Tgt Ion: 75 Resp: 61297

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

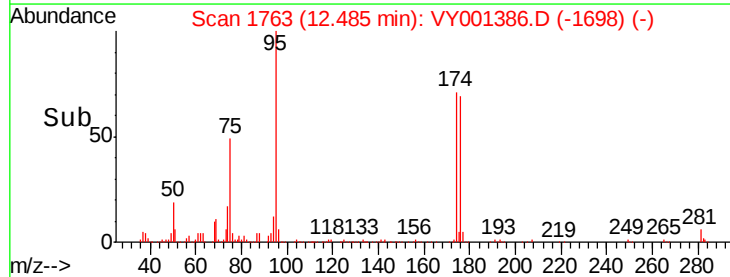
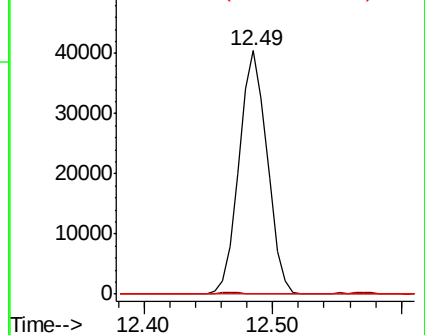
89 0.0 36.6 54.8#

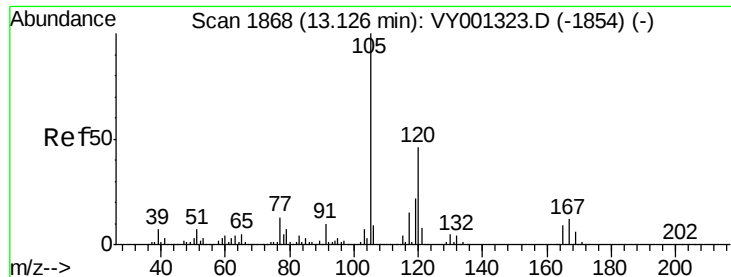


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

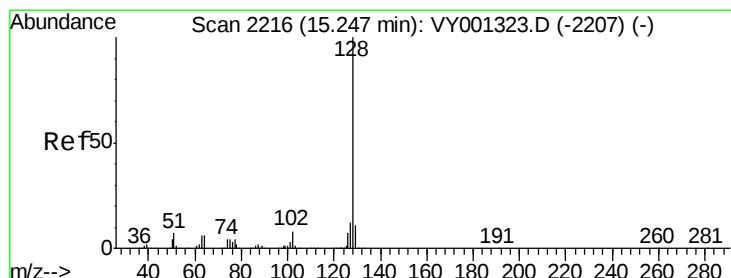
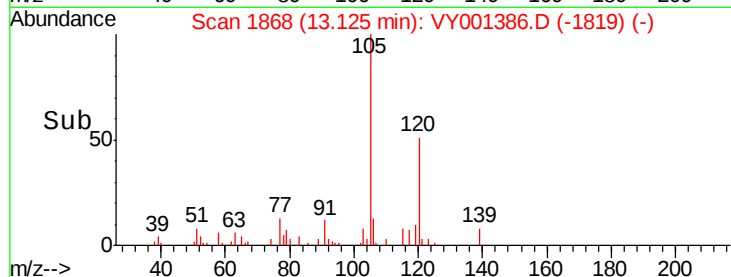
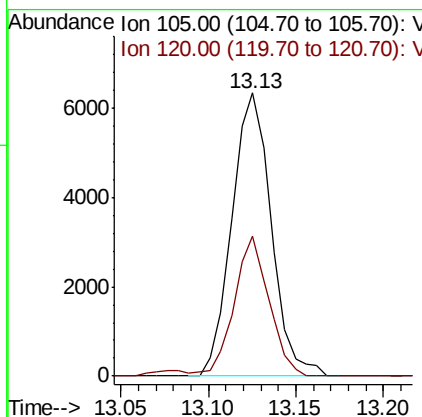
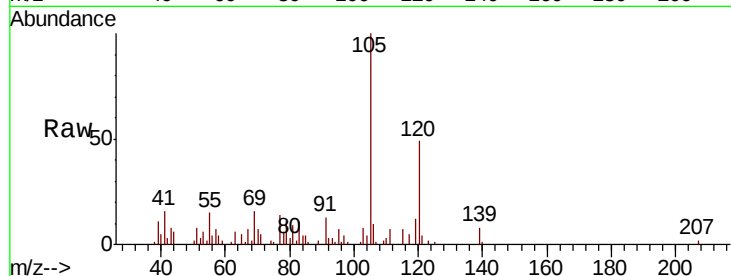




#84
 1,2,4-Trimethylbenzene
 Concen: 1.362 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001386.D
 Acq: 24 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 9933
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.3



#95
 Naphthalene
 Concen: 14.999 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY001386.D
 Acq: 24 Jan 2020 16:40

Tgt Ion:128 Resp: 78831
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.2 15.2
 129 11.8 8.7 13.1

