

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000288.D
 Acq On : 11 Oct 2019 22:03
 Operator : SY/MD
 Sample : K5323-07
 Misc : 7.82G/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:39:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	211822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	397629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149926	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	135235	60.52	ug/l	0.00
Spiked Amount			Recovery	=	121.04%	
35) Dibromofluoromethane	7.73	113	118149	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.19	98	467819	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.48	95	154184	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

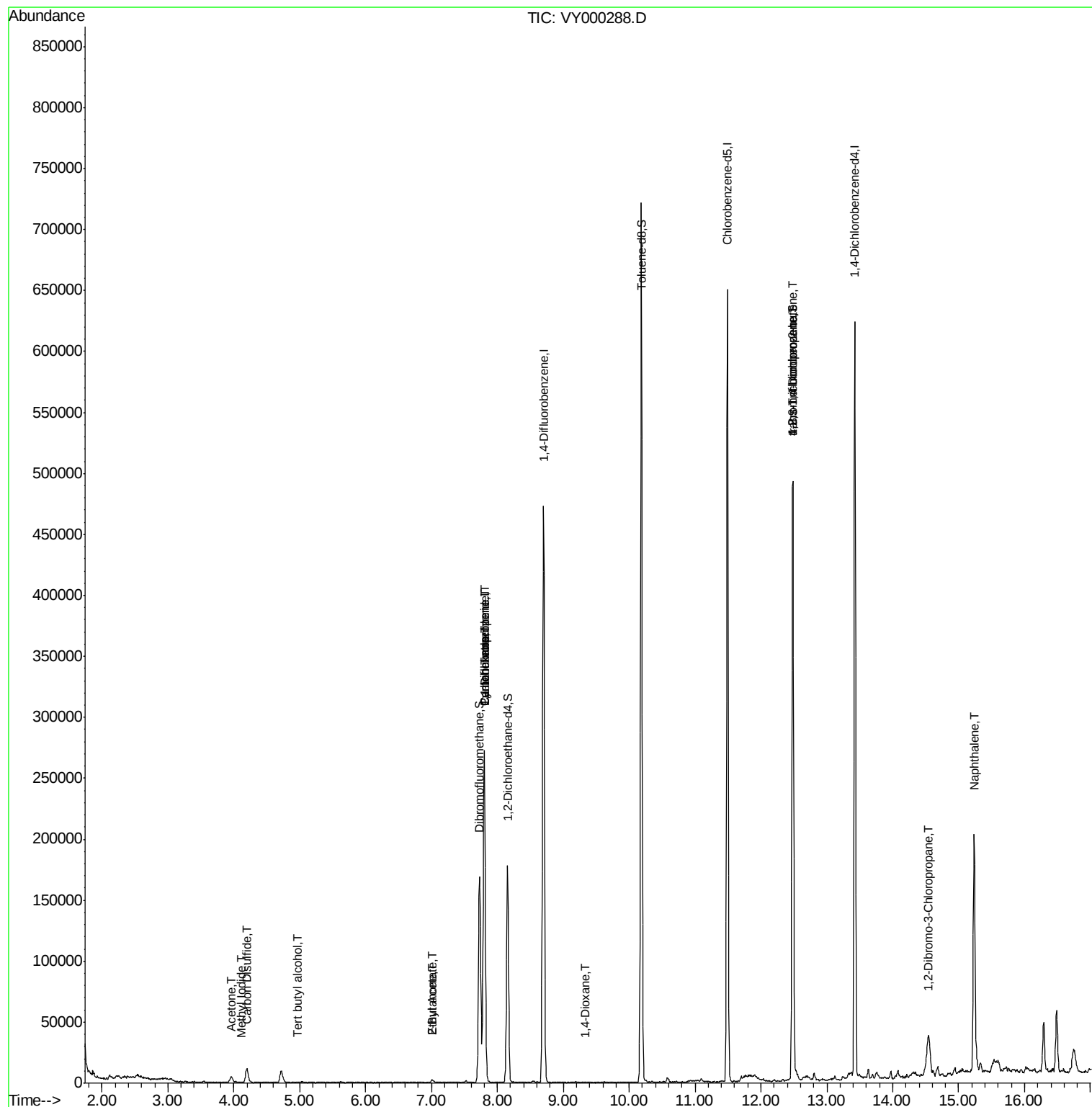
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	50	Below Cal	#	3
10) Methyl Iodide	4.11	142	131	1.227	ug/l #	41
11) Tert butyl alcohol	4.96	59	648	2.771	ug/l #	73
16) Acetone	3.96	43	8868	12.256	ug/l	93
17) Carbon Disulfide	4.20	76	22291	3.309	ug/l #	90
20) Methylene Chloride	4.72	84	6863	Below Cal	#	89
25) 2-Butanone	7.01	43	2967	2.911	ug/l	94
31) Cyclohexane	7.80	56	4644	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17303	4.445	ug/l #	48
37) Ethyl Acetate	7.01	43	2967	1.287	ug/l #	68
38) Carbon Tetrachloride	7.80	117	19377	5.141	ug/l #	19
49) 1,4-Dioxane	9.33	88	27	1.167	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	80497	43.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80497	95.534	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.53	75	2954	7.096	ug/l #	23
95) Naphthalene	15.23	128	130845	18.156	ug/l	99

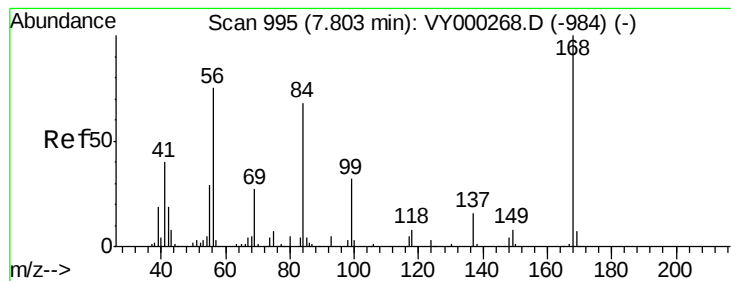
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
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QLast Update : Mon Oct 14 07:29:17 2019
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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: VY000288.D

Acq: 11 Oct 2019 22:03

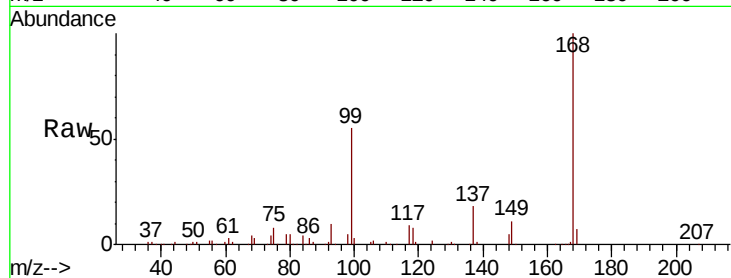
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 211822

Ion Ratio Lower Upper

168 100

99 54.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000288.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000288.D (-984) (-)

7.80

100000

80000

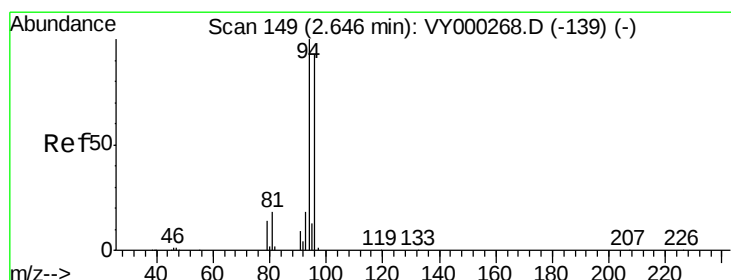
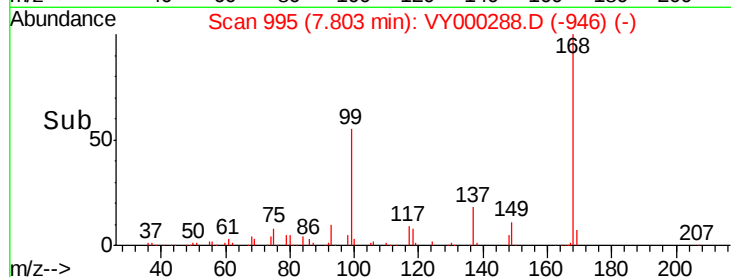
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.04 min

Lab File: VY000288.D

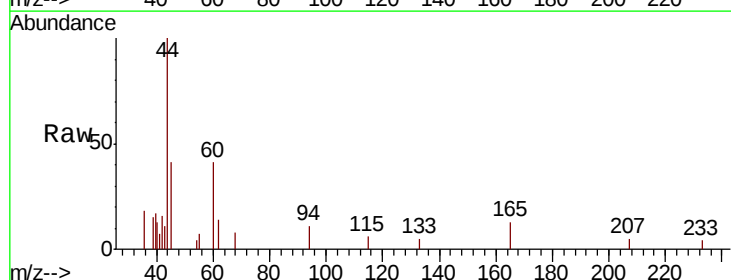
Acq: 11 Oct 2019 22:03

Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VY000288.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VY000288.D (-139) (-)

250

200

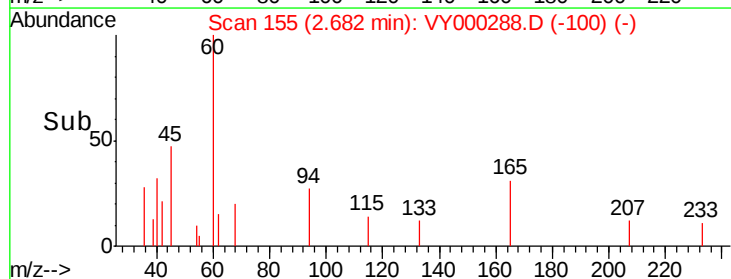
150

100

50

0

Time-->

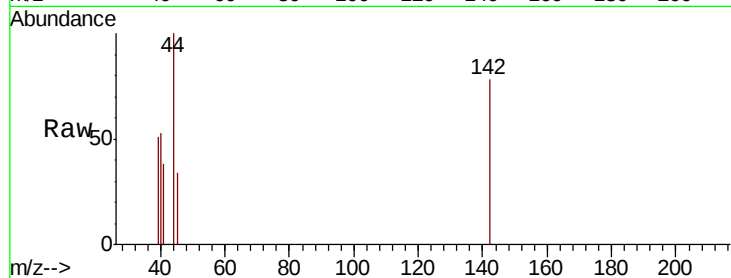




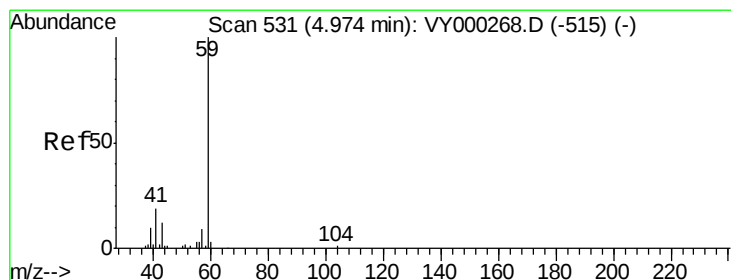
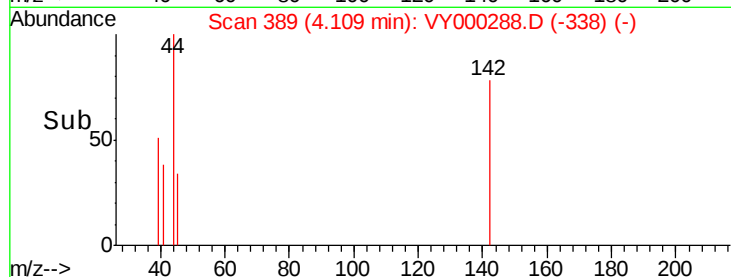
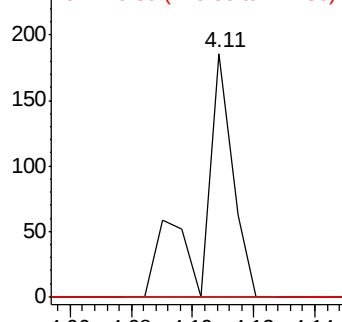
#10
Methyl Iodide
Concen: 1.227 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:142 Resp: 131
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

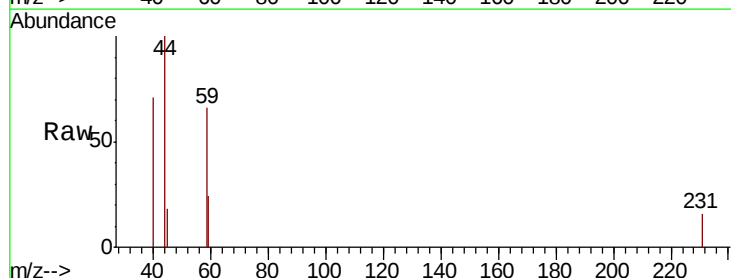


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

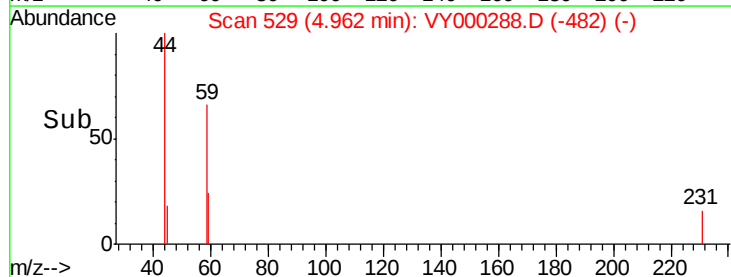
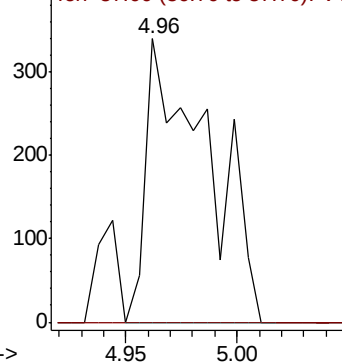


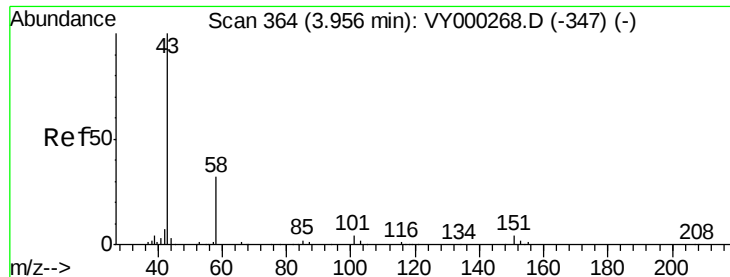
#11
Tert butyl alcohol
Concen: 2.771 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Tgt Ion: 59 Resp: 648
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 12.256 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

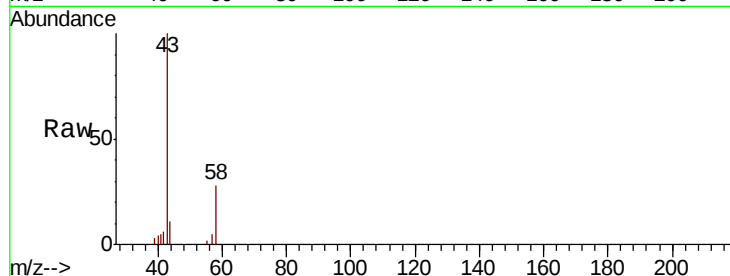
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 8868

Ion Ratio Lower Upper

43 100

58 28.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

3000

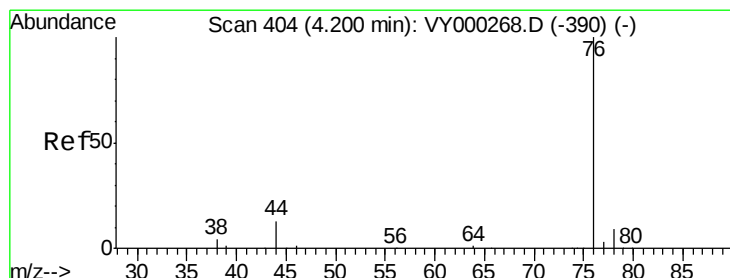
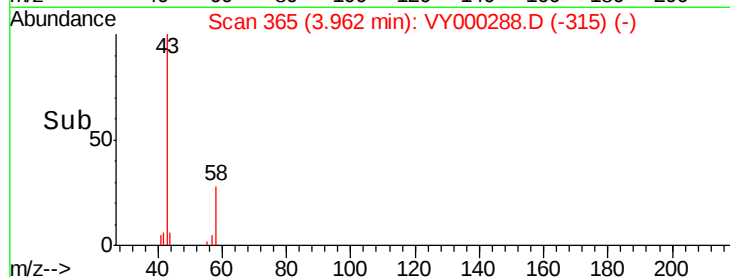
2000

1000

0

3.90 4.00 4.10

Time-->



#17

Carbon Disulfide

Concen: 3.309 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000288.D

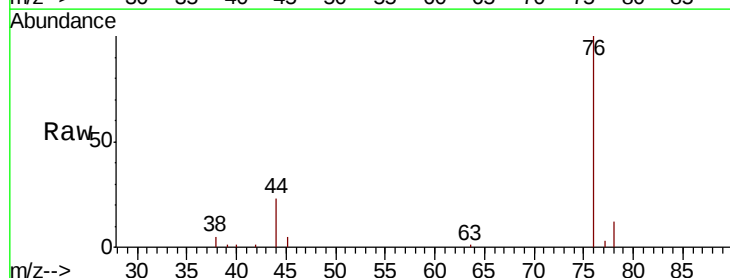
Acq: 11 Oct 2019 22:03

Tgt Ion: 76 Resp: 22291

Ion Ratio Lower Upper

76 100

78 12.3 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

8000

6000

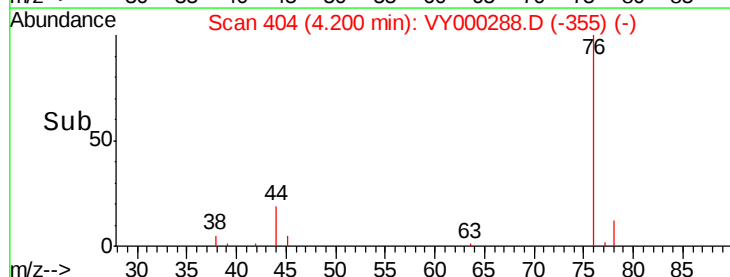
4000

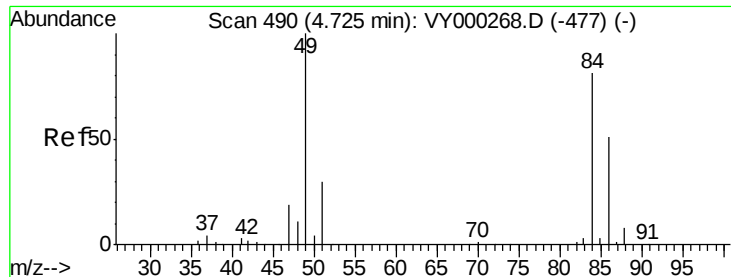
2000

0

4.10 4.15 4.20 4.25 4.30

Time-->

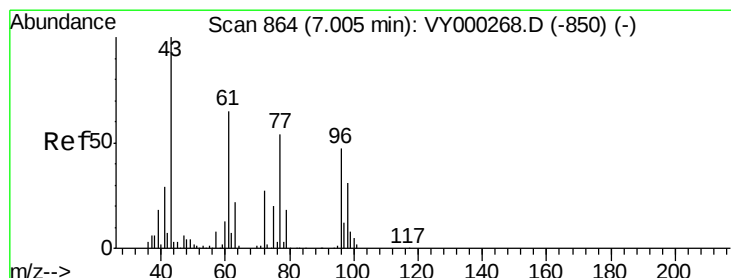
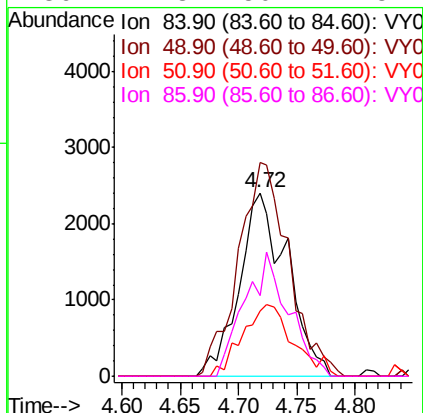
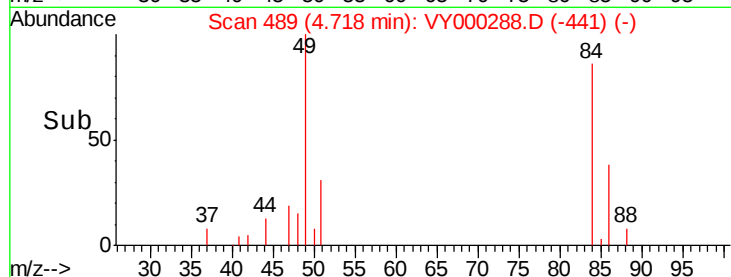
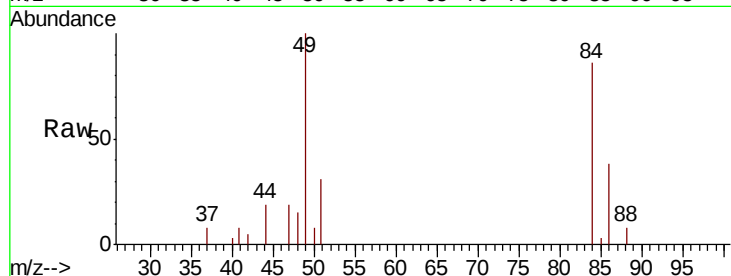




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

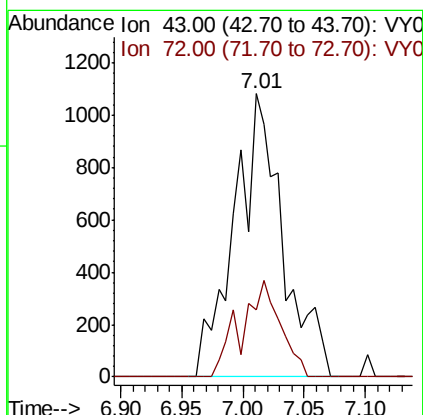
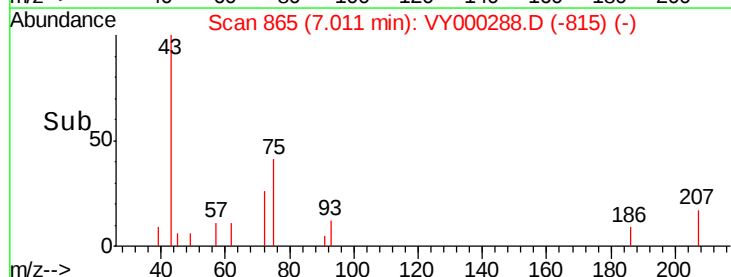
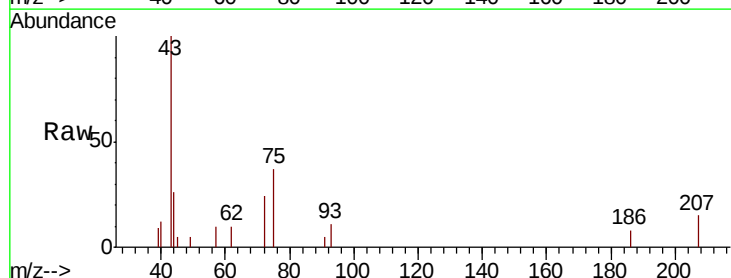
Instrument :
MSVOA_Y
ClientSampleId :

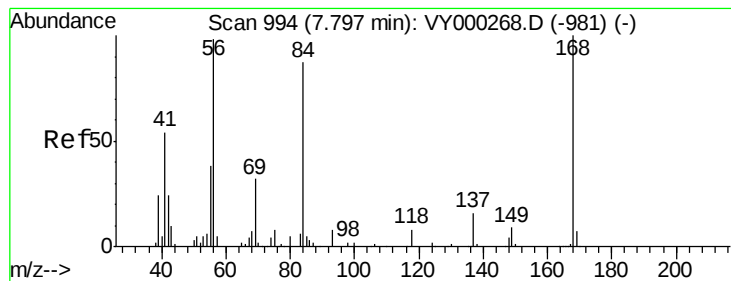
Tot Ion: 84 Resp: 6863
Ion Ratio Lower Upper
84 100
49 116.4 99.0 148.4
51 35.6 29.3 43.9
86 44.3 50.2 75.4#



#25
2-Butanone
Concen: 2.911 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Tgt Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
72 23.9 21.4 32.2





#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :

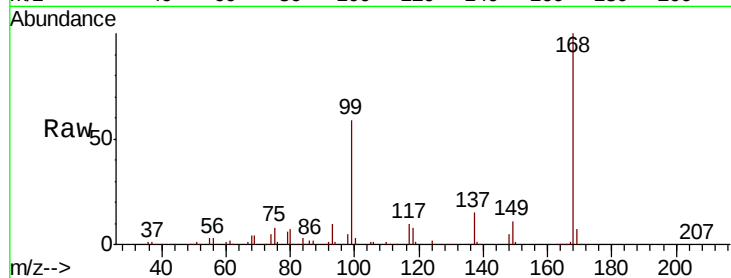
Tot Ion: 56 Resp: 4644

Ion Ratio Lower Upper

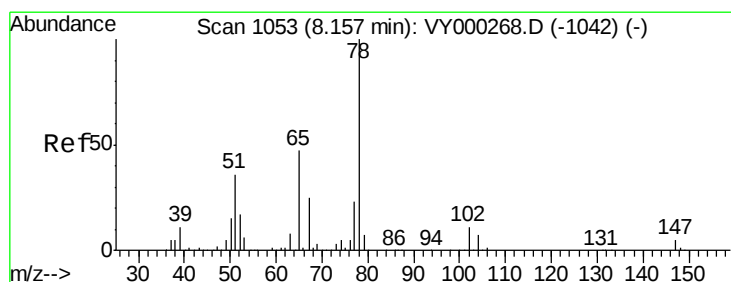
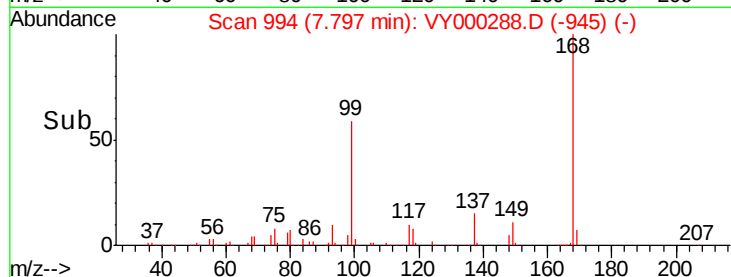
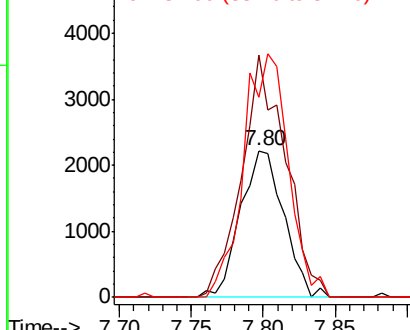
56 100

69 164.7 26.3 39.5#

84 135.8 70.8 106.2#



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: 60.524 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000288.D

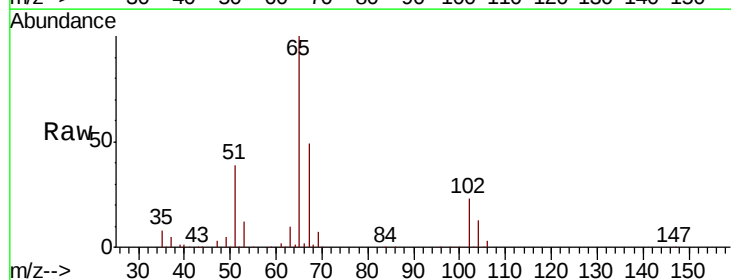
Acq: 11 Oct 2019 22:03

Tgt Ion: 65 Resp: 135235

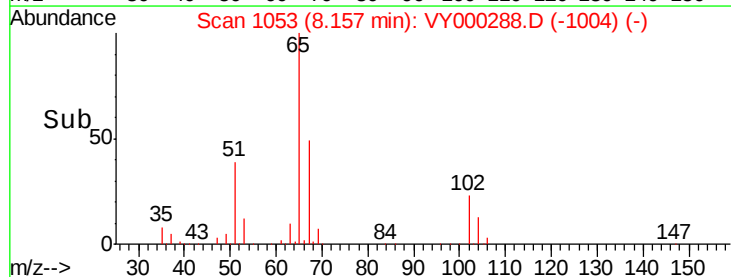
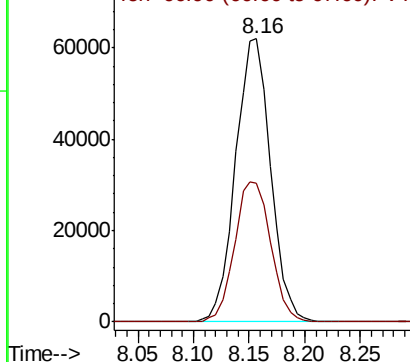
Ion Ratio Lower Upper

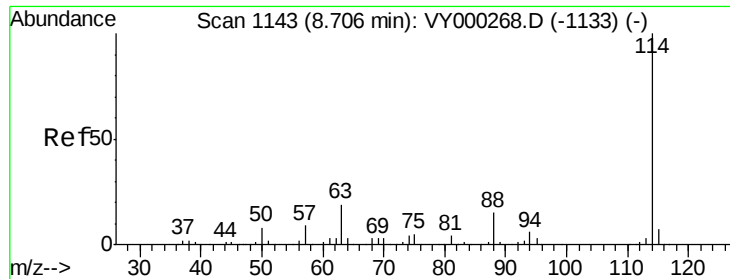
65 100

67 51.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

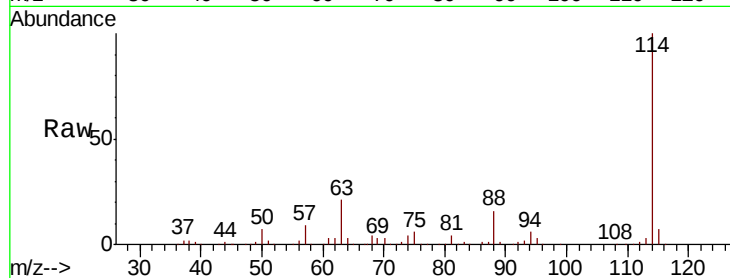




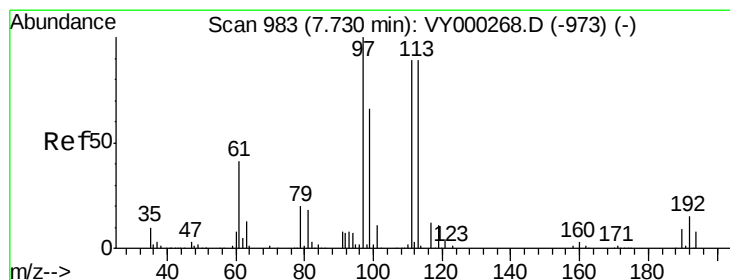
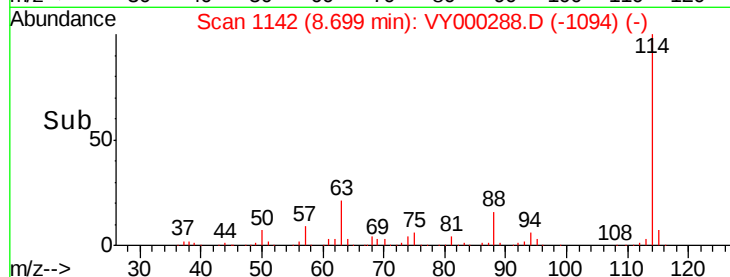
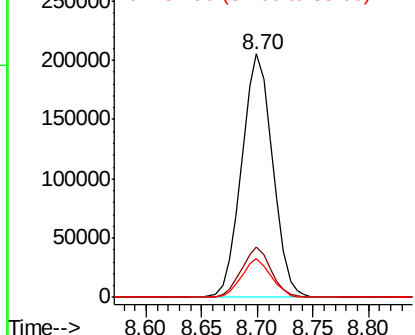
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:114 Resp: 397629
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.2
 88 16.1 0.0 30.2

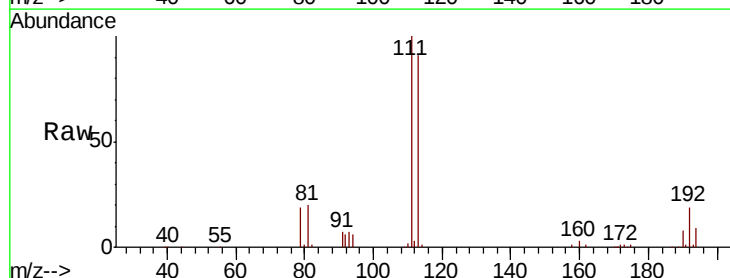


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

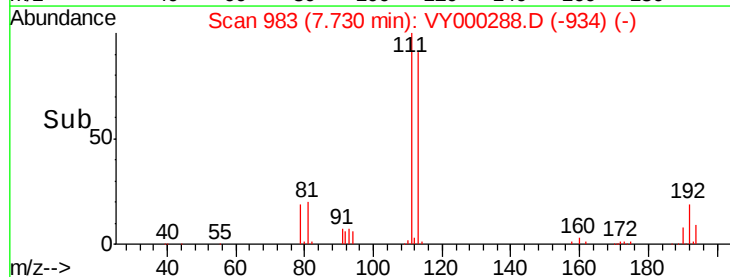
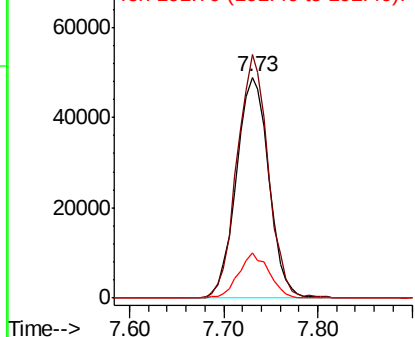


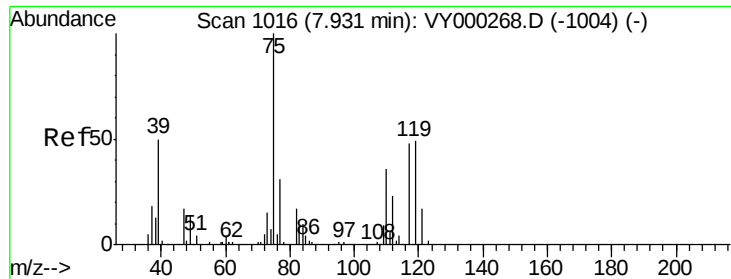
#35
 Dibromofluoromethane
 Concen: 49.259 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

Tgt Ion:113 Resp: 118149
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.6 122.4
 192 19.2 15.3 22.9



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

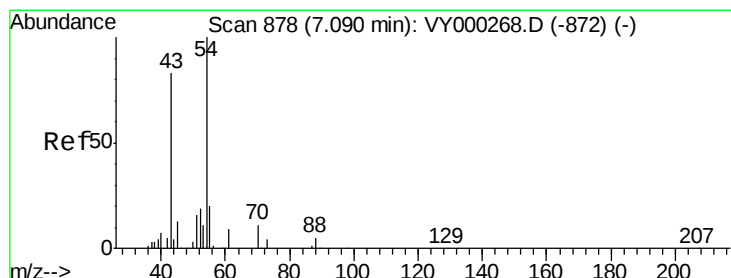
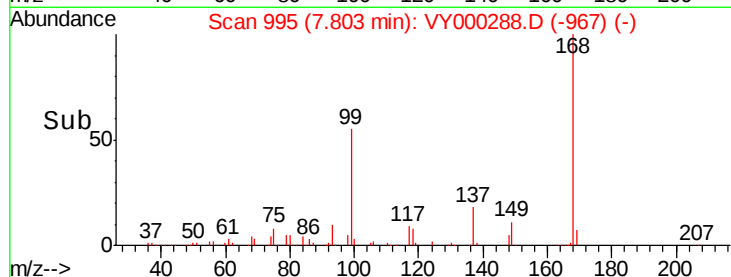
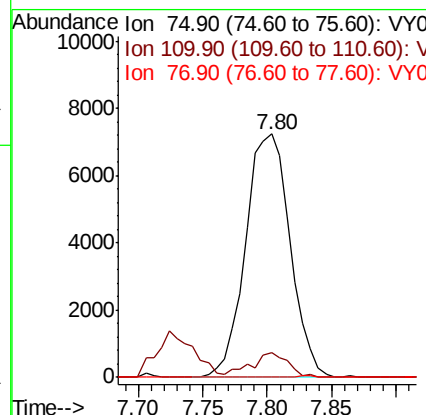
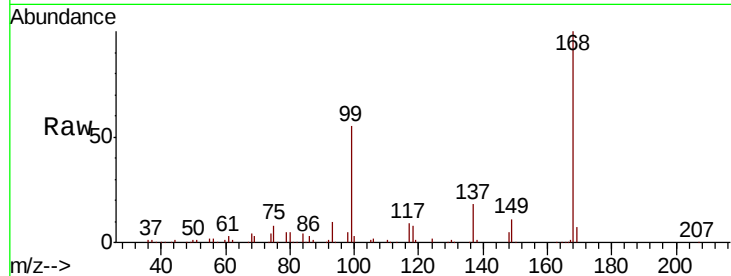




#36
 1,1-Dichloropropene
 Concen: 4.445 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

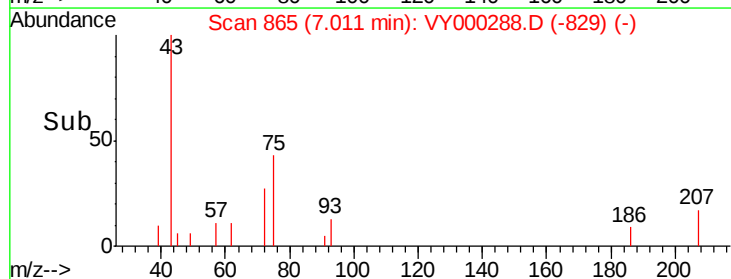
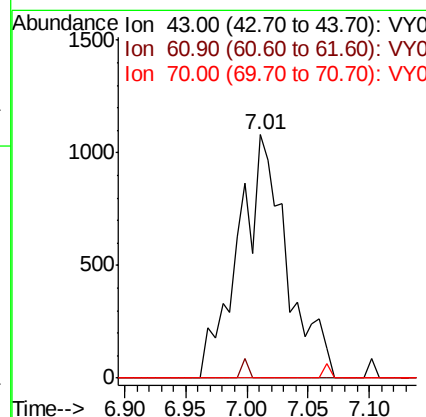
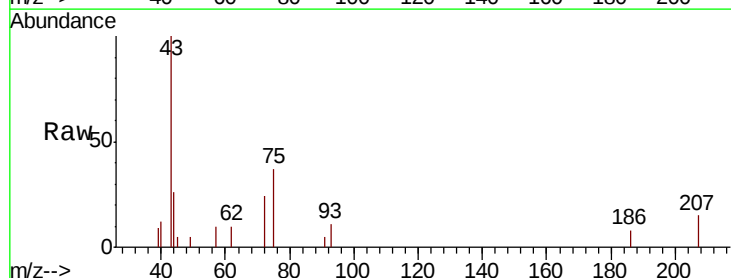
Instrument :
 MSVOA_Y
 ClientSampleId :

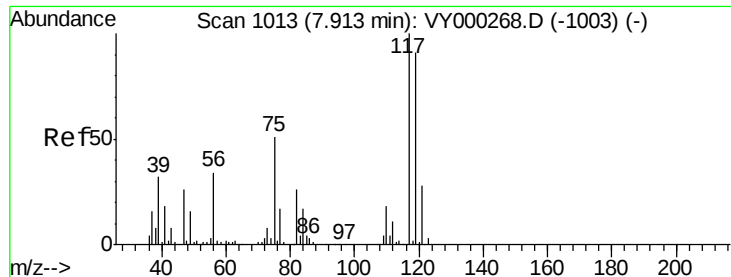
Tot Ion	75	Resp	17303
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	18.4	55.4#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 1.287 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

Tgt Ion	43	Resp	2967
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	1.1	12.1	18.1#
70	0.0	8.7	13.1#

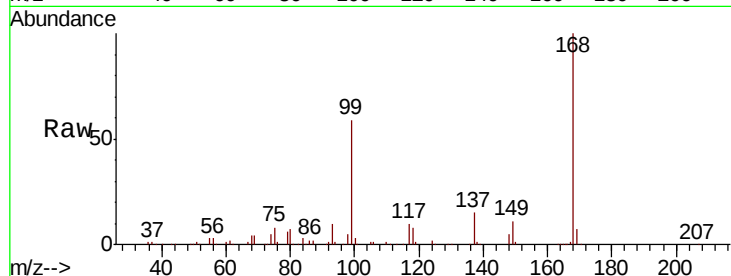




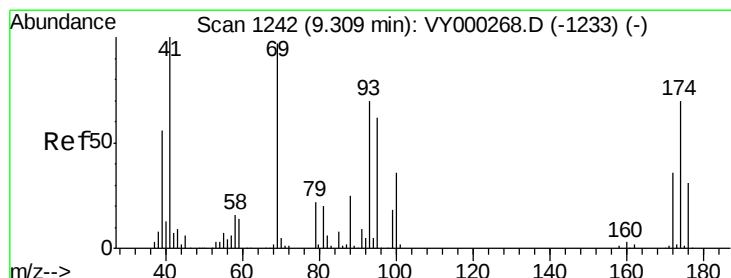
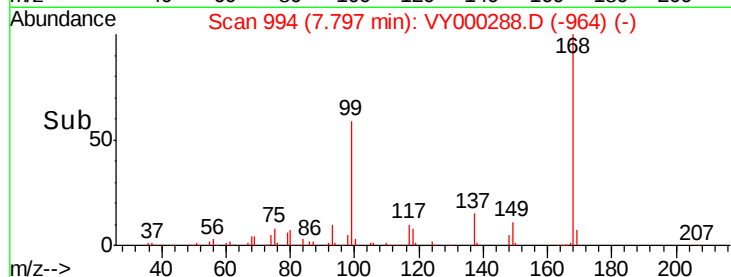
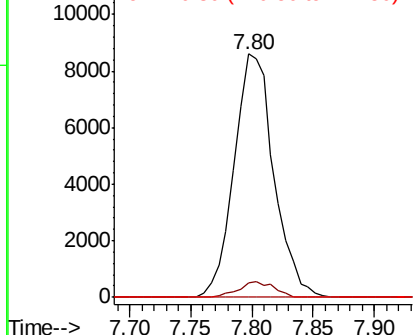
#38
Carbon Tetrachloride
Concen: 5.141 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 19377
Ion Ratio Lower Upper
117 100
119 6.2 72.8 109.2#
121 0.0 22.2 33.2#

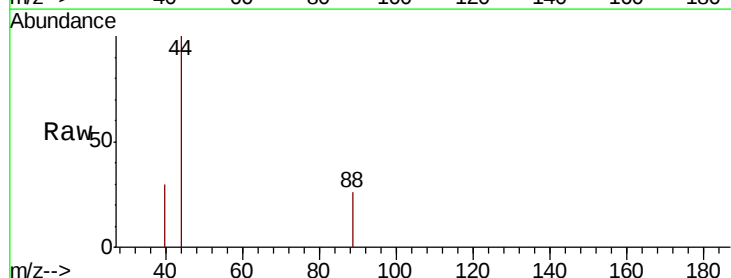


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

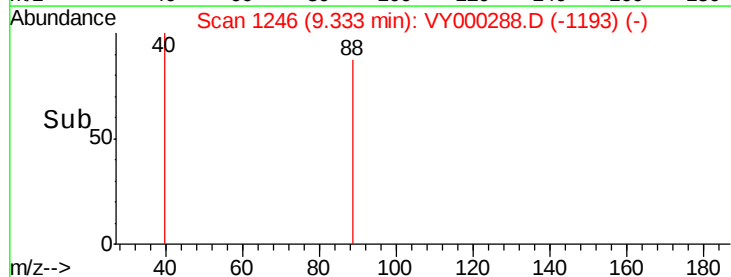
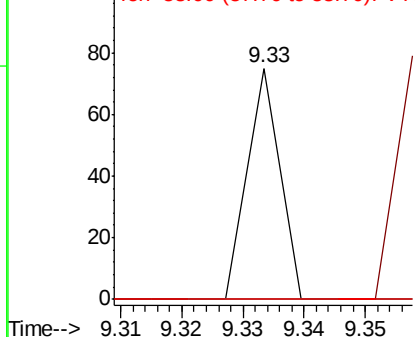


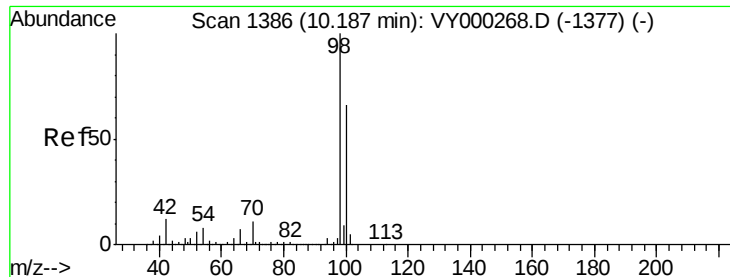
#49
1,4-Dioxane
Concen: 1.167 ug/l
RT: 9.33 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 0.0 54.6 81.8#



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: 50.704 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

Instrument :

MSVOA_Y

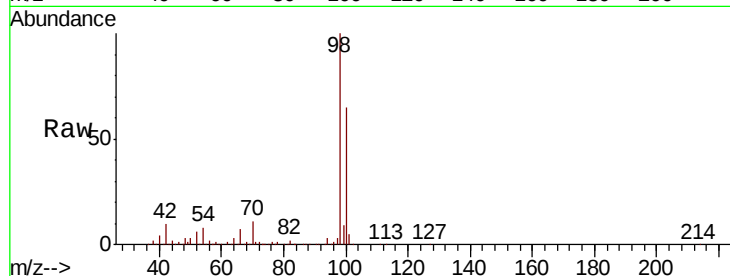
ClientSampleId :

Tot Ion: 98 Resp: 467819

Ion Ratio Lower Upper

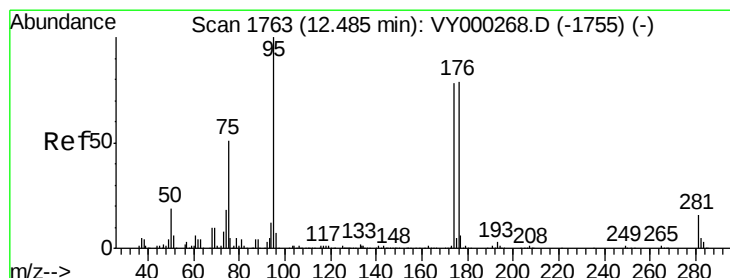
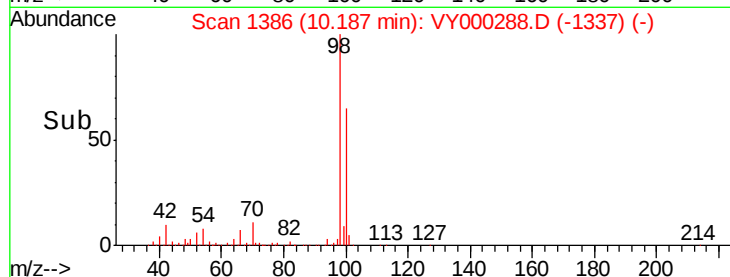
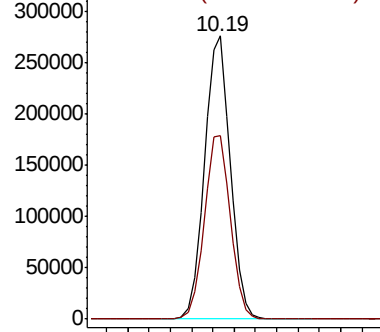
98 100

100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 43.986 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

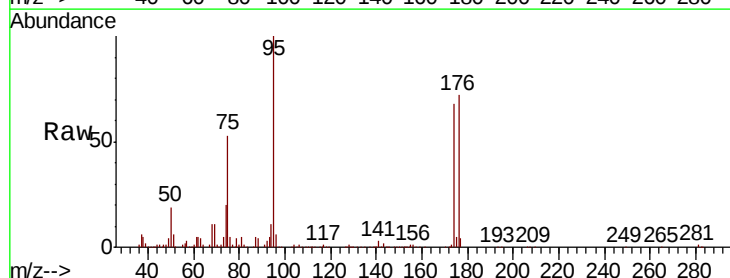
Tgt Ion: 95 Resp: 154184

Ion Ratio Lower Upper

95 100

174 77.6 0.0 159.6

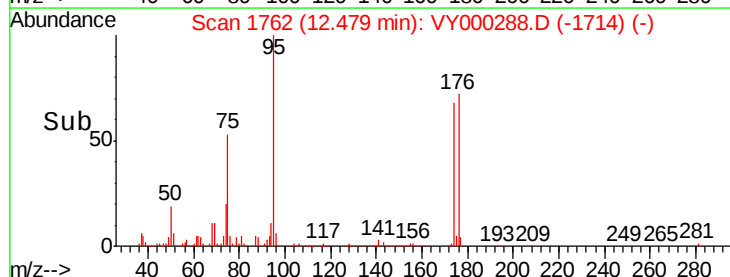
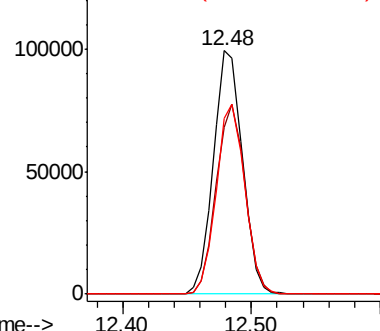
176 76.9 0.0 153.8

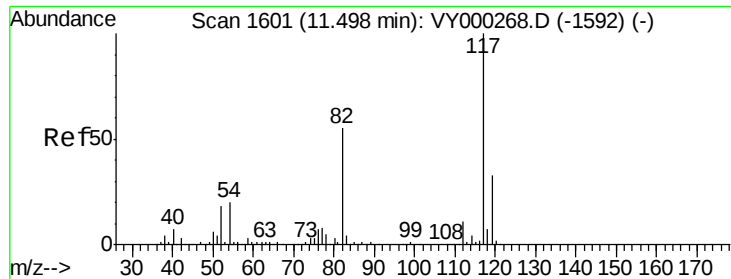


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

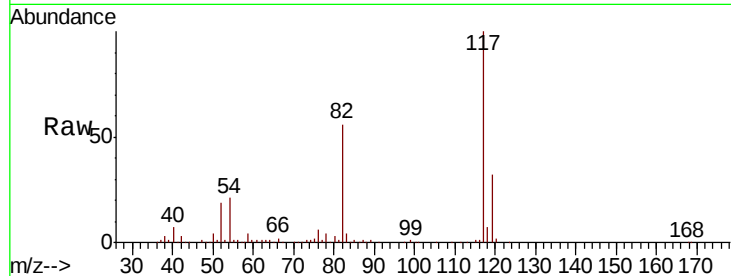




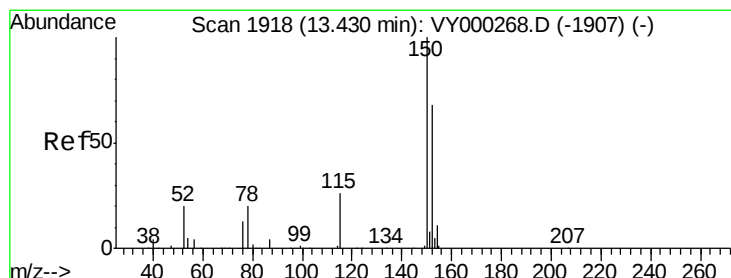
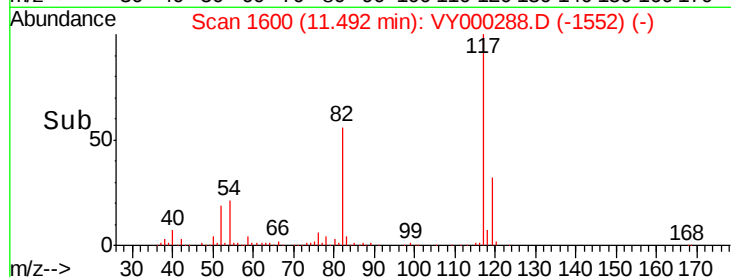
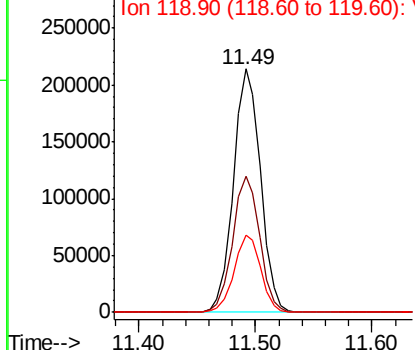
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 346173
Ion Ratio Lower Upper
117 100
82 56.0 43.7 65.5
119 31.5 26.6 39.8

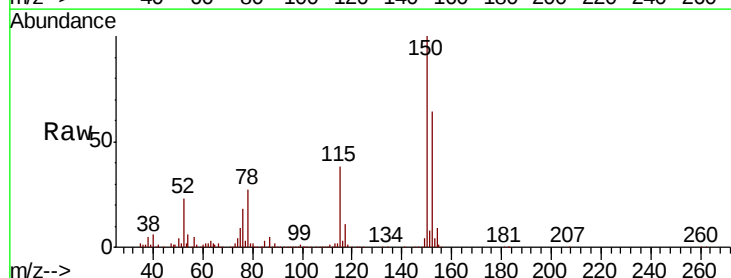


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

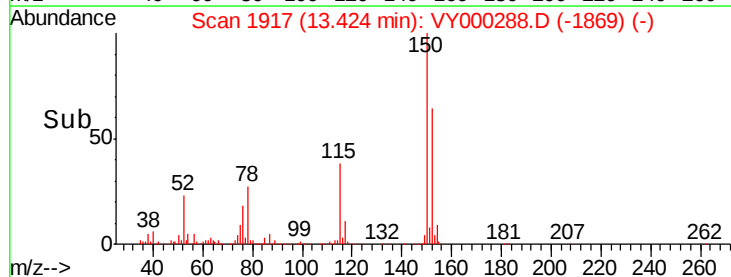
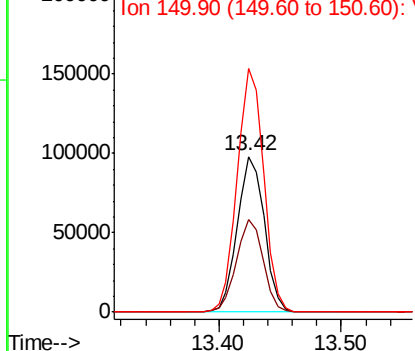


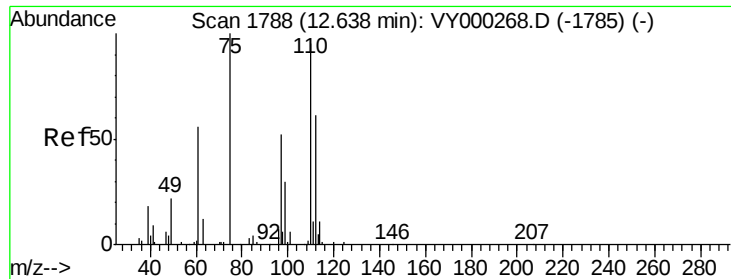
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000288.D
Acq: 11 Oct 2019 22:03

Tgt Ion:152 Resp: 149926
Ion Ratio Lower Upper
152 100
115 58.5 29.3 88.0
150 153.4 0.0 348.4



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

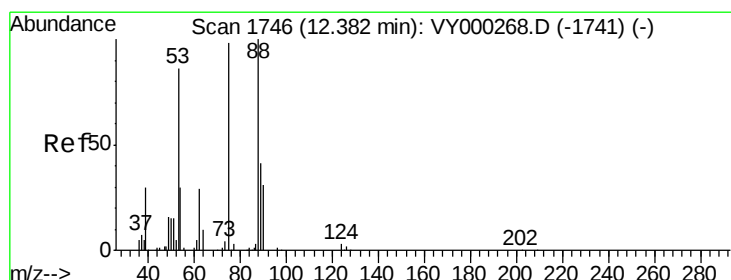
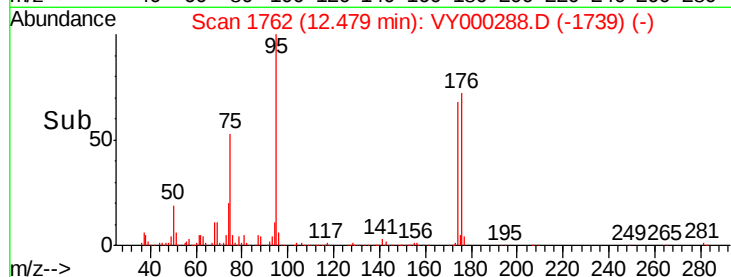
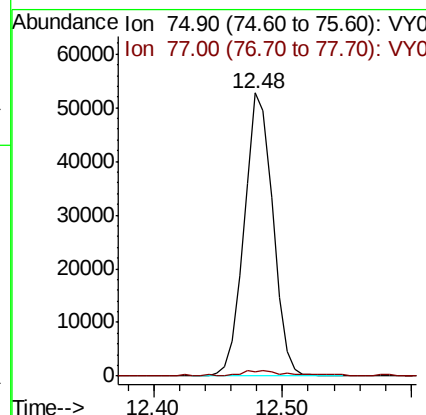
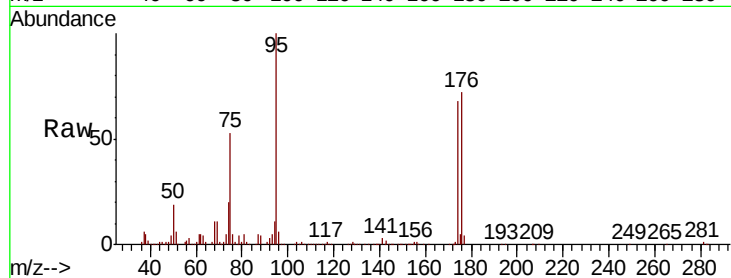




#76
 1,2,3-Trichloropropane
 Concen: 43.663 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

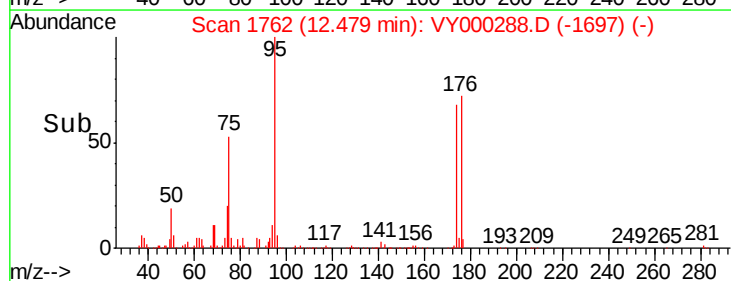
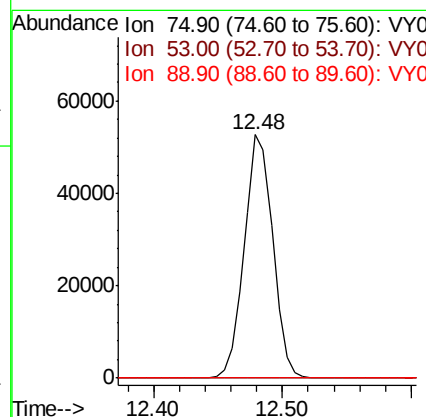
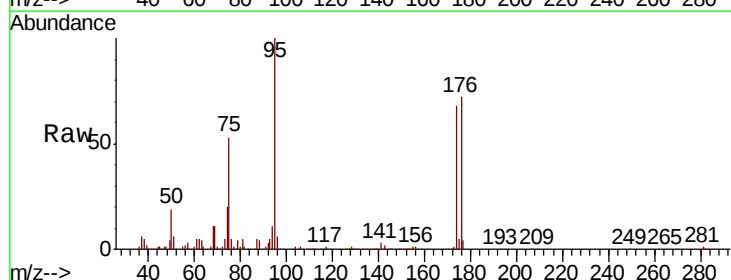
Instrument :
 MSVOA_Y
 ClientSampleId :

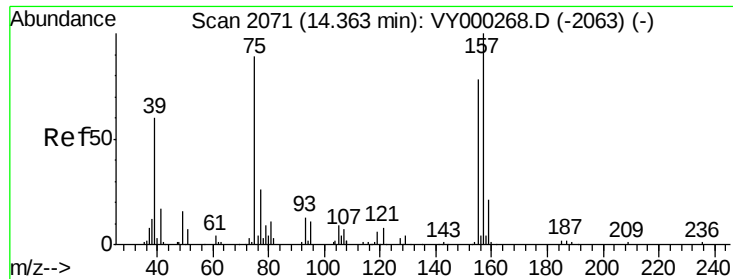
Tot Ion: 75 Resp: 80497
 Ion Ratio Lower Upper
 75 100
 77 3.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.534 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

Tgt Ion: 75 Resp: 80497
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.1 35.1 52.7#

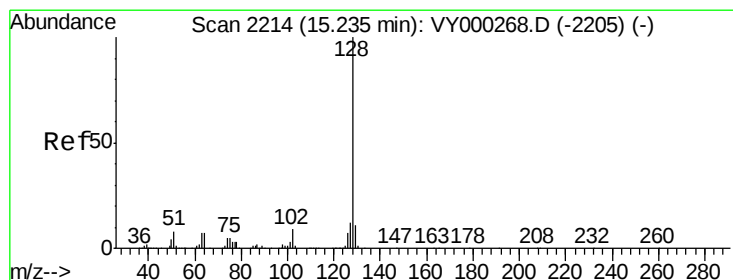
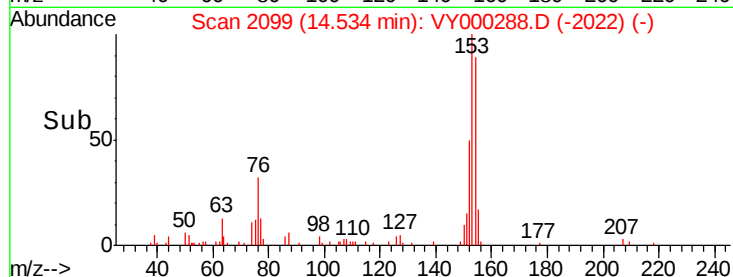
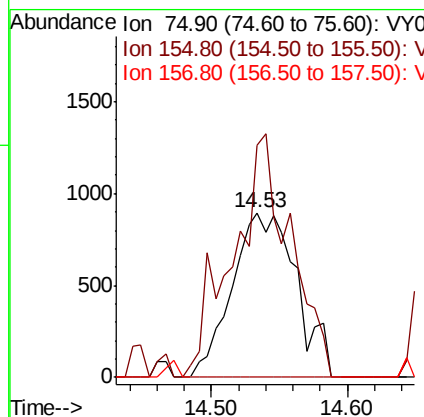
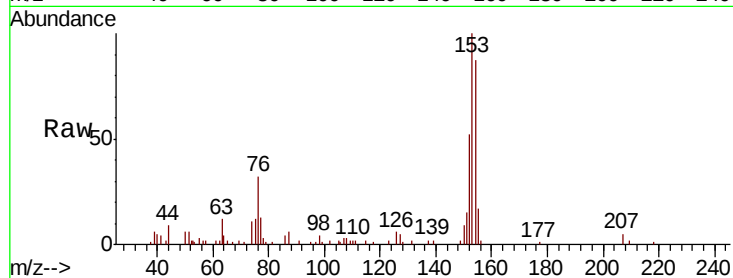




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.096 ug/l
 RT: 14.53 min Scan# 2099
 Delta R.T. 0.17 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 2954
 Ion Ratio Lower Upper
 75 100
 155 132.1 45.8 137.3
 157 0.0 55.6 166.9#



#95
 Naphthalene
 Concen: 18.156 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000288.D
 Acq: 11 Oct 2019 22:03

Tgt Ion: 128 Resp: 130845
 Ion Ratio Lower Upper
 128 100
 127 12.5 9.6 14.4
 129 11.3 8.7 13.1

