

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000286.D
 Acq On : 11 Oct 2019 21:17
 Operator : SY/MD
 Sample : K5323-03
 Misc : 7.25G/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:39:24 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

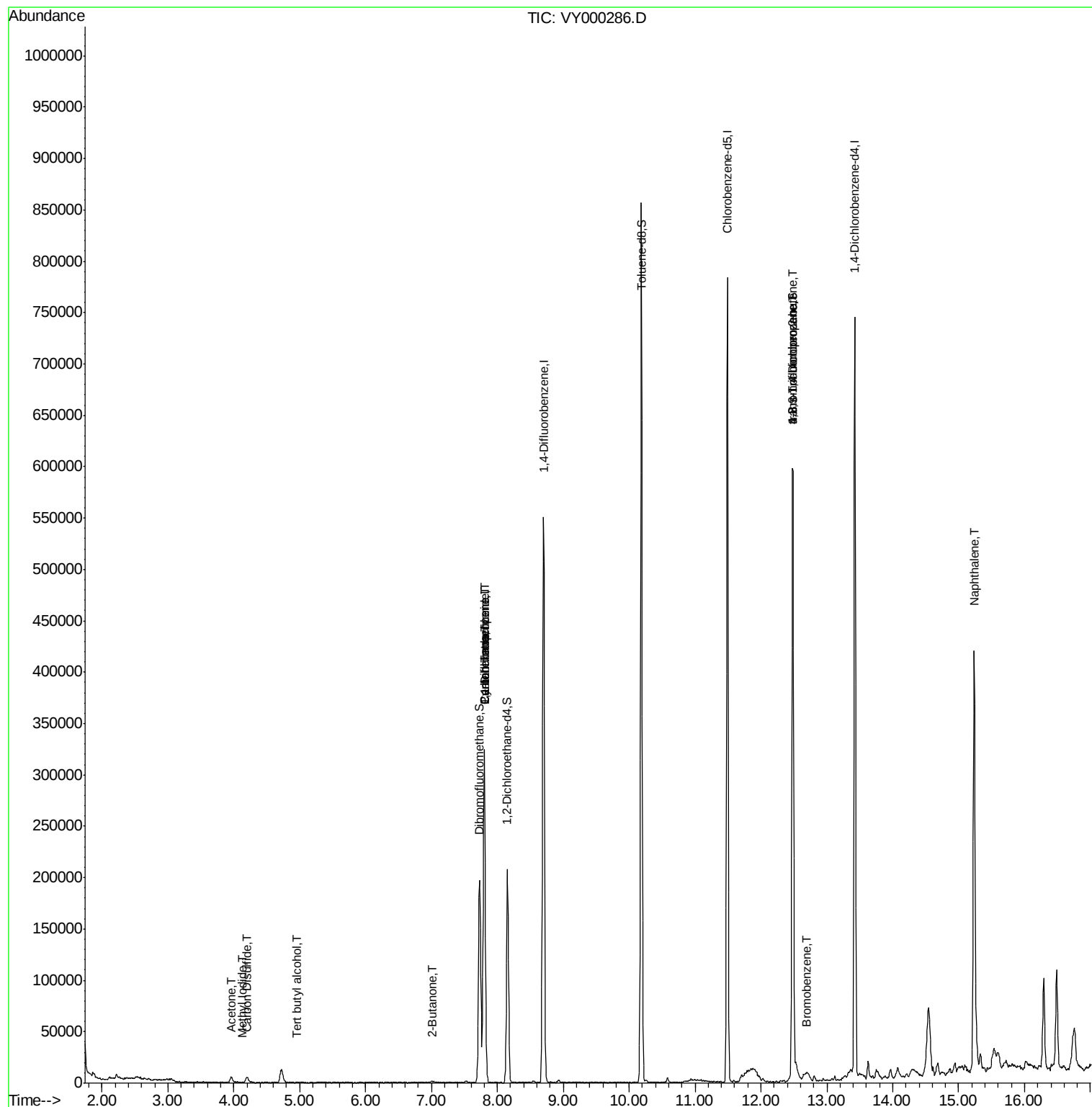
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	249003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	470350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175859	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	157825	60.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.18%	
35) Dibromofluoromethane	7.73	113	139346	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.18	98	548577	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.48	95	182525	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	19	Below Cal	#	41
5) Bromomethane	2.66	94	146	Below Cal	#	74
10) Methyl Iodide	4.12	142	95	1.211	ug/l #	41
11) Tert butyl alcohol	4.96	59	295	1.073	ug/l #	54
16) Acetone	3.96	43	10056	11.822	ug/l #	85
17) Carbon Disulfide	4.19	76	9911	1.252	ug/l #	92
20) Methylene Chloride	4.72	84	9258	Below Cal		93
25) 2-Butanone	7.01	43	1751	1.461	ug/l	94
31) Cyclohexane	7.80	56	6107	1.215	ug/l #	52
36) 1,1-Dichloropropene	7.80	75	20308	4.410	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24597	5.517	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	99240	45.892	ug/l #	100
77) Bromobenzene	12.69	156	3390	1.111	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	99240	100.410	ug/l #	14
95) Naphthalene	15.23	128	270079	31.949	ug/l	99

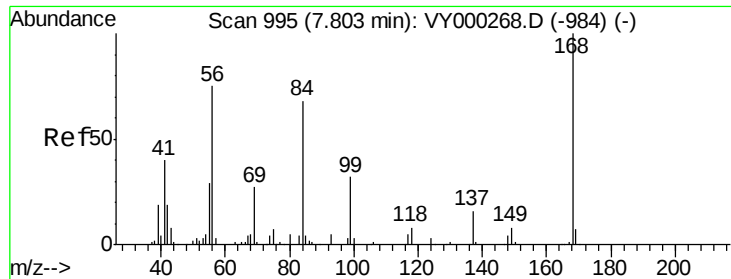
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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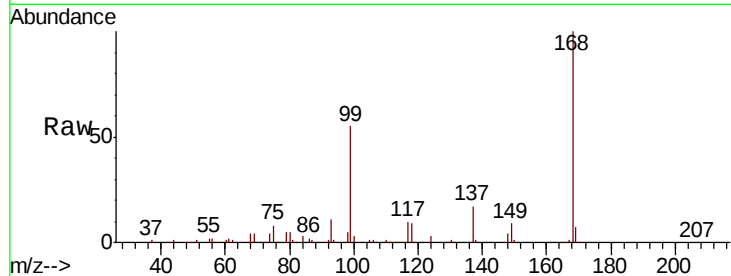


#1

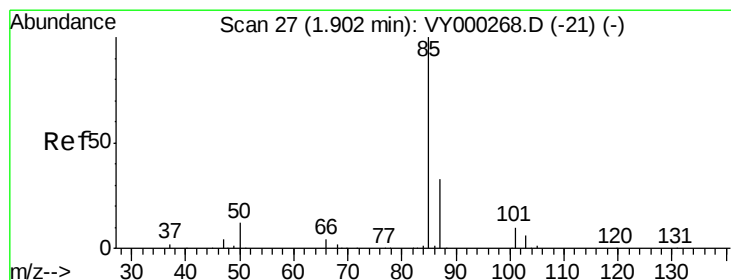
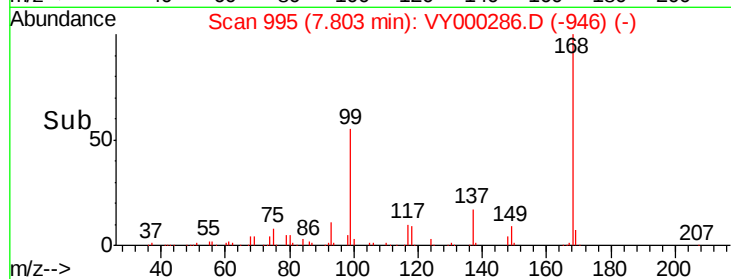
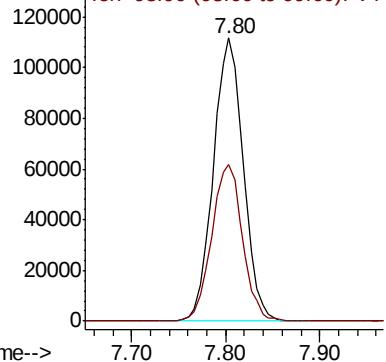
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:168 Resp: 249003
 Ion Ratio Lower Upper
 168 100
 99 55.1 46.6 69.8



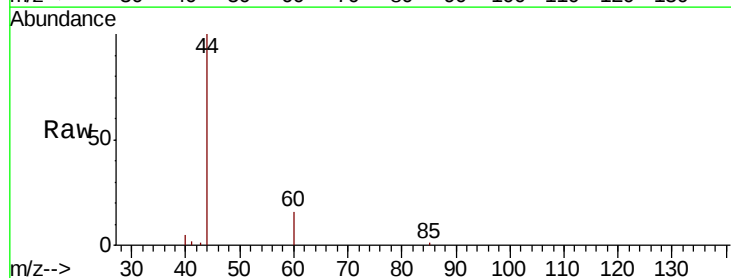
Abundance Ion 167.90 (167.60 to 168.60): VY000286.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY000286.D (-946) (-)



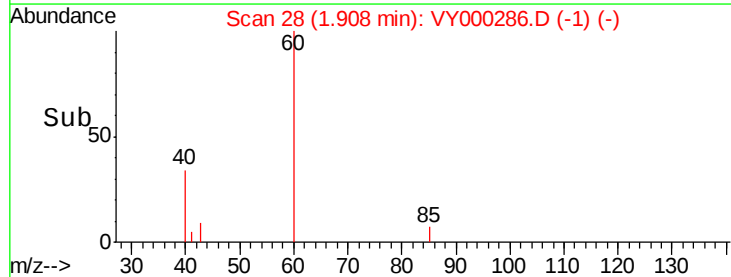
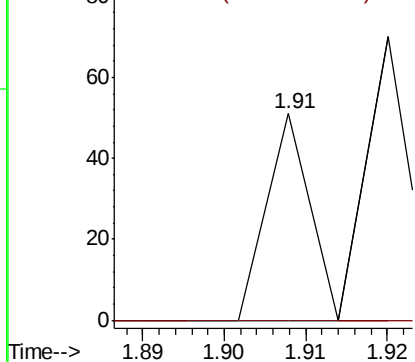
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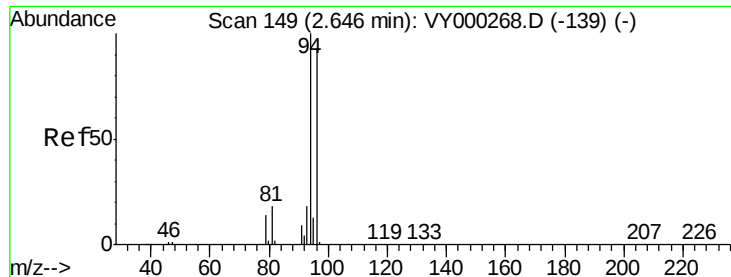
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.91 min Scan# 28
 Delta R.T. 0.01 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

Tgt Ion: 85 Resp: 19
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000286.D (-1) (-)
 Ion 86.90 (86.60 to 87.60): VY000286.D (-1) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.02 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

Instrument :

MSVOA_Y

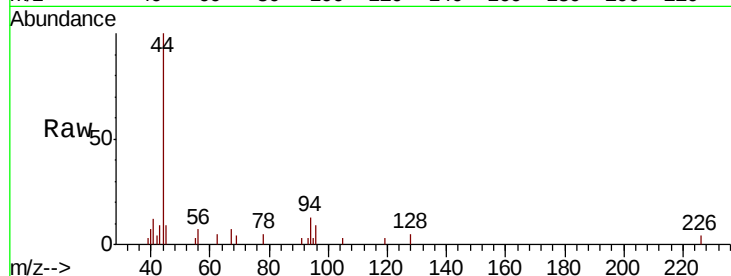
ClientSampleId :

Tot Ion: 94 Resp: 146

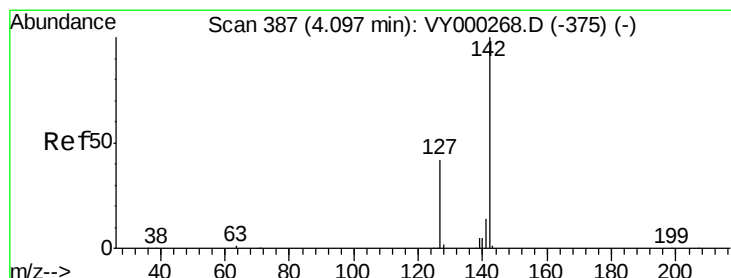
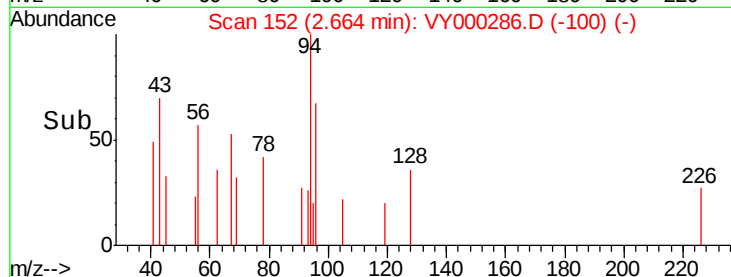
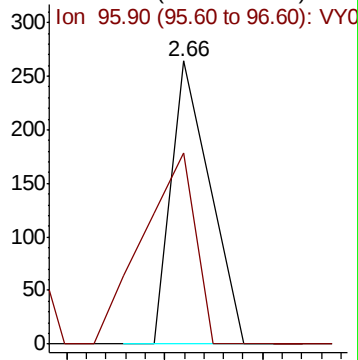
Ion Ratio Lower Upper

94 100

96 67.4 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VY0



#10

Methyl Iodide

Concen: 1.211 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.02 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

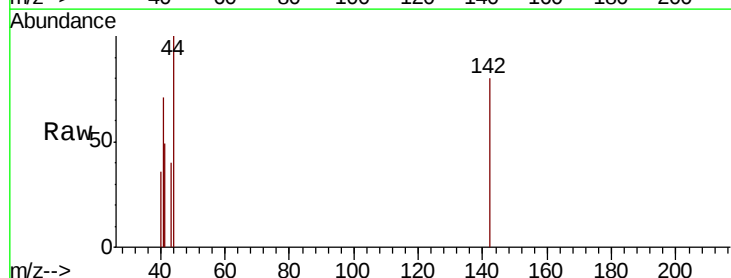
Tgt Ion:142 Resp: 95

Ion Ratio Lower Upper

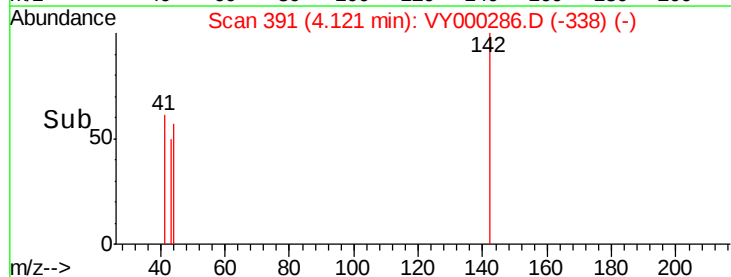
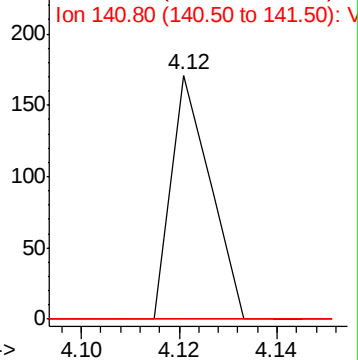
142 100

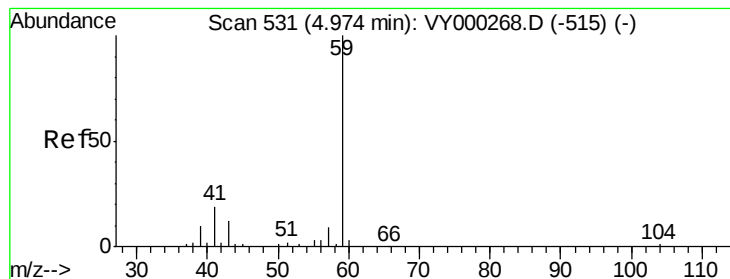
127 0.0 33.9 50.9#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V



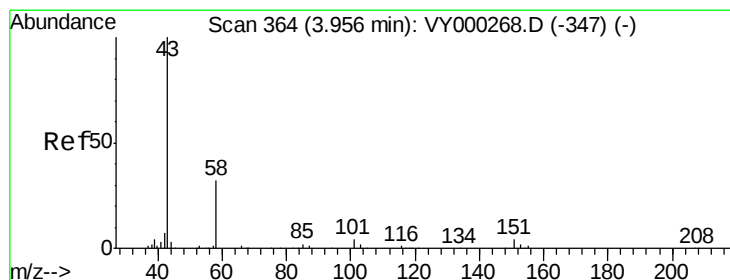
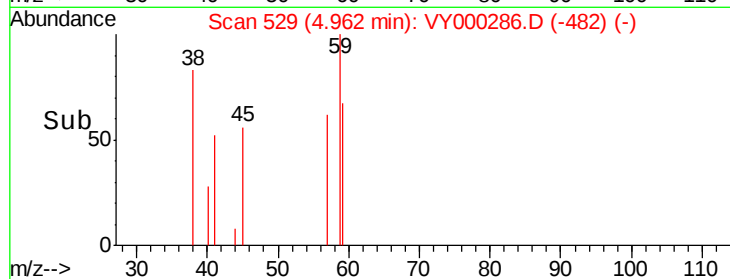
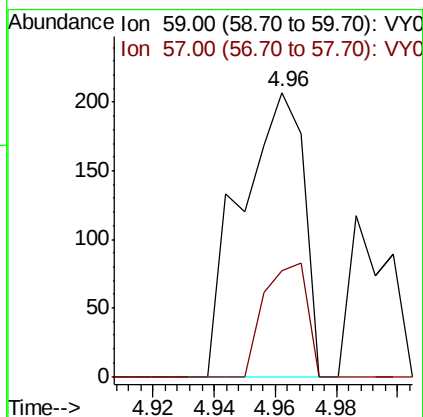
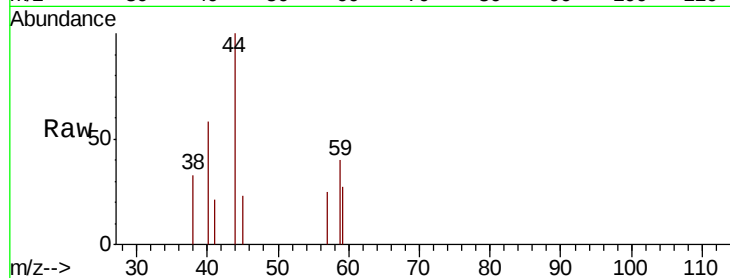


#11

Tert butyl alcohol
 Concen: 1.073 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

Instrument :
 MSVOA_Y
 ClientSampled :

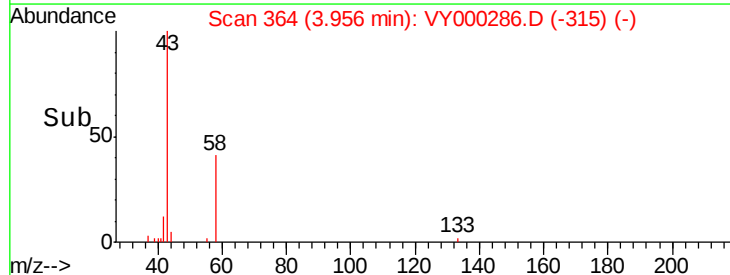
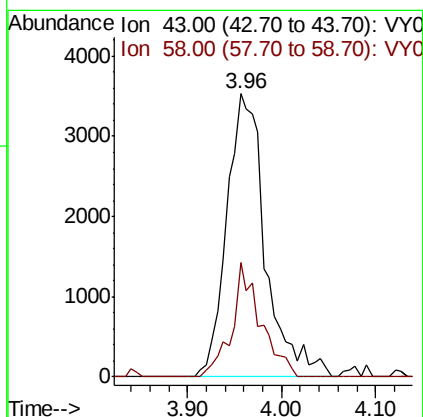
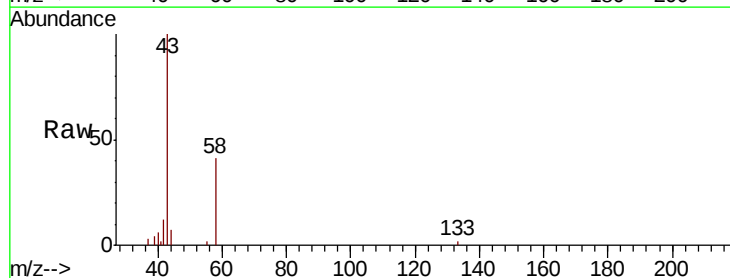
Tot Ion: 59 Resp: 295
 Ion Ratio Lower Upper
 59 100
 57 27.5 8.2 12.2#

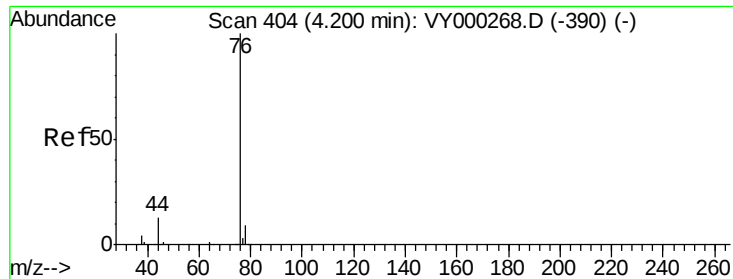


#16

Acetone
 Concen: 11.822 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

Tgt Ion: 43 Resp: 10056
 Ion Ratio Lower Upper
 43 100
 58 40.6 25.8 38.6#





#17

Carbon Disulfide

Concen: 1.252 ug/l

RT: 4.19 min Scan# 402

Delta R.T. -0.01 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

Instrument :

MSVOA_Y

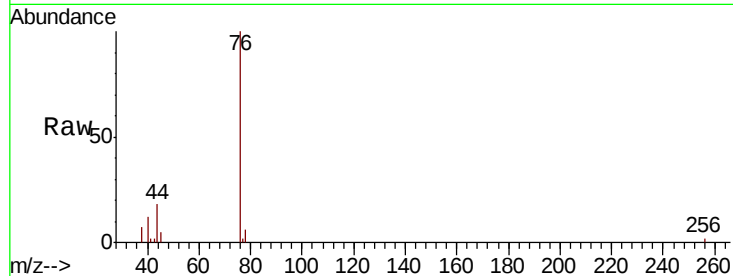
ClientSampleId :

Tot Ion: 76 Resp: 9911

Ion Ratio Lower Upper

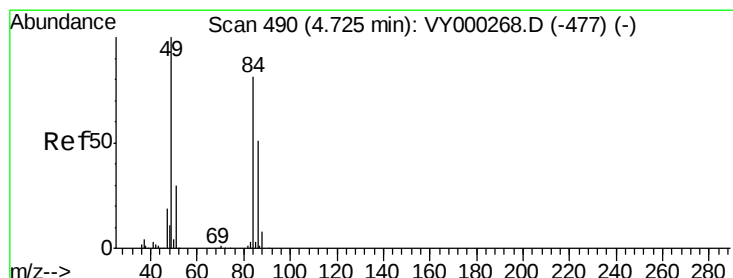
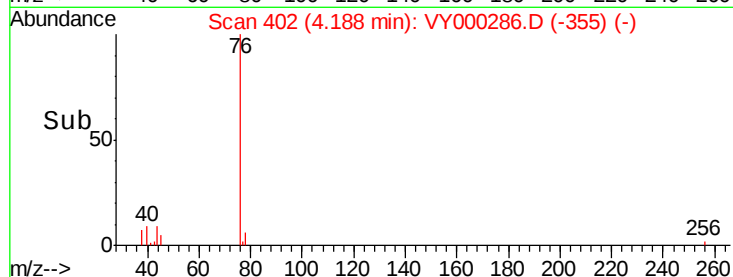
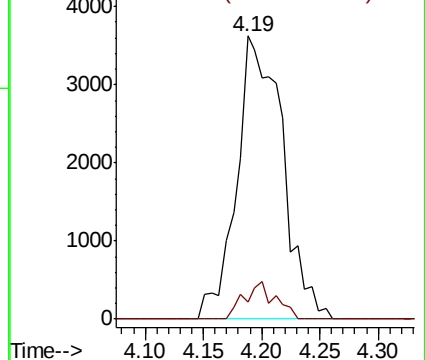
76 100

78 6.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

Tgt Ion: 84 Resp: 9258

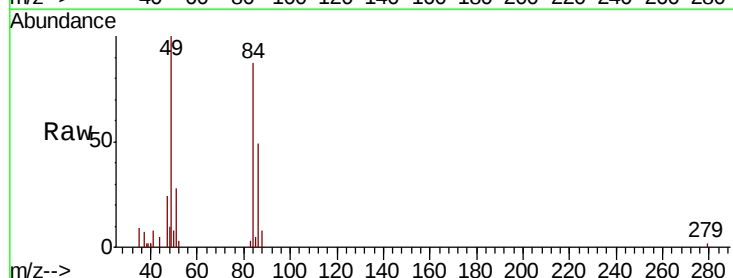
Ion Ratio Lower Upper

84 100

49 115.6 99.0 148.4

51 32.4 29.3 43.9

86 56.5 50.2 75.4

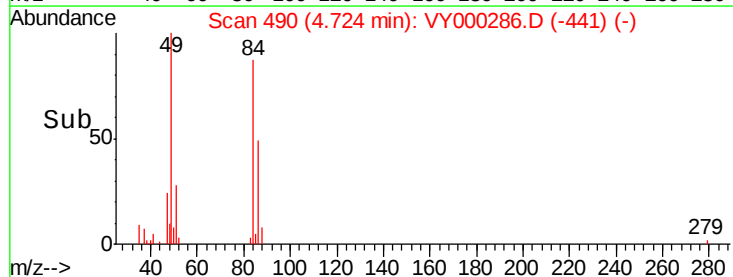
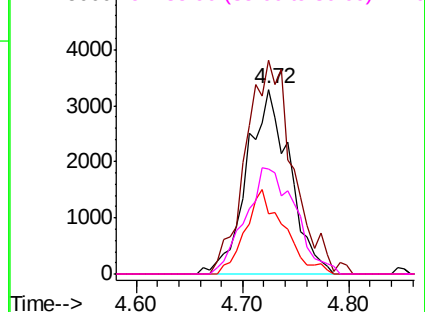


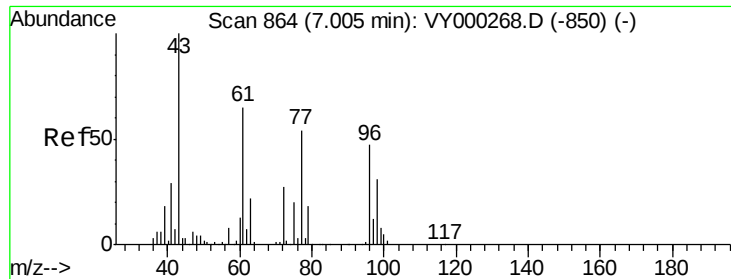
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

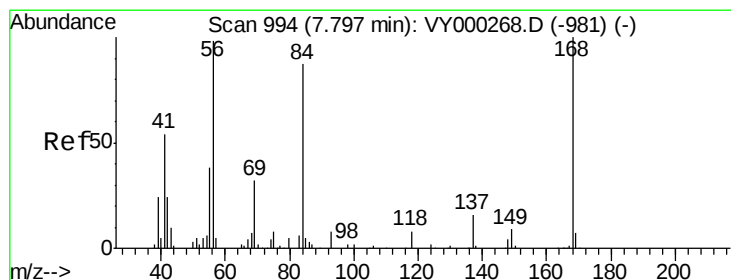
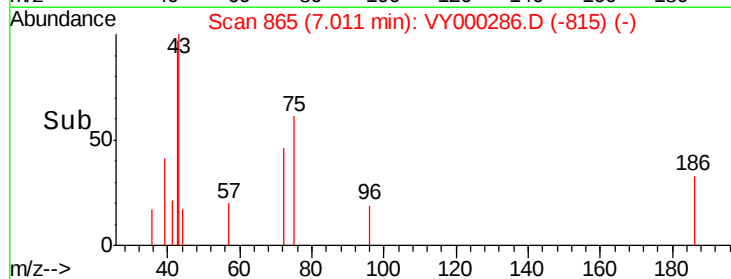
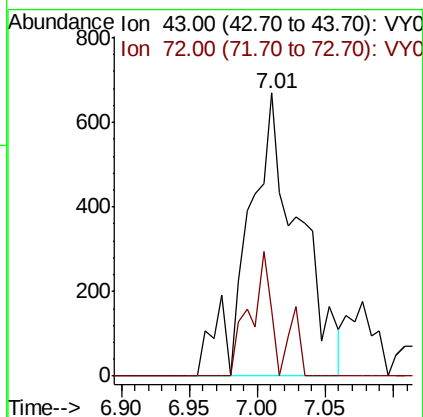
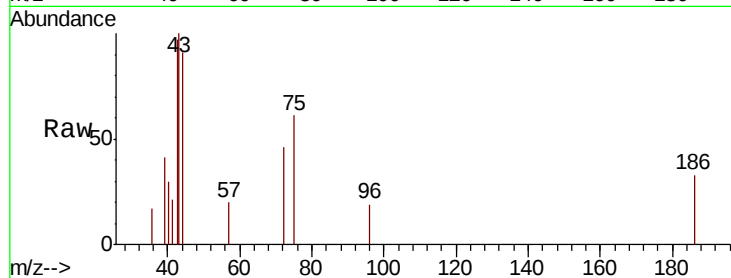




#25
2-Butanone
Concen: 1.461 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

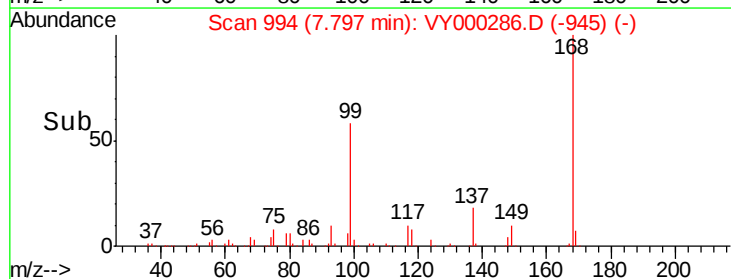
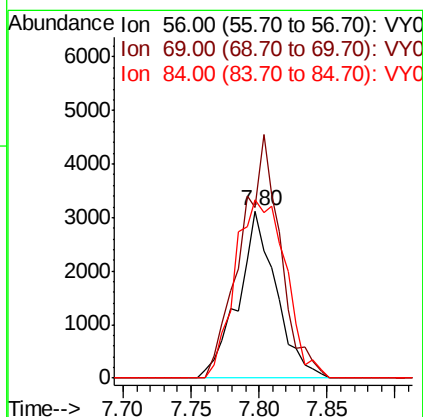
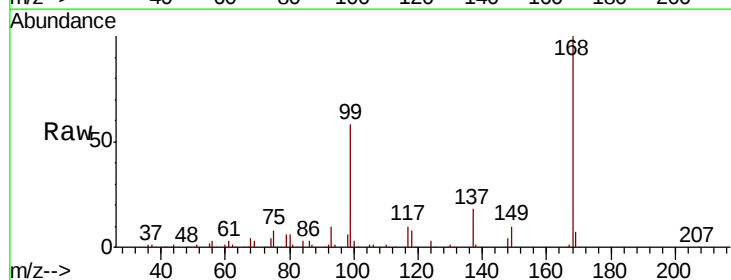
Instrument :
MSVOA_Y
ClientSampleId :

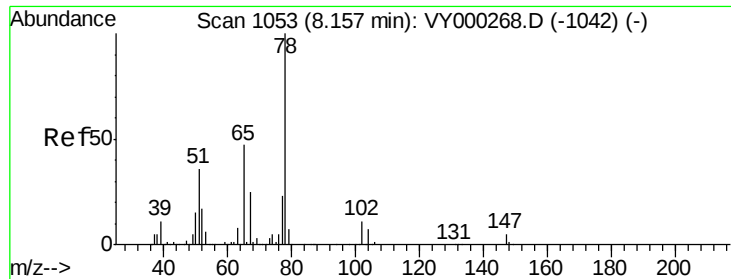
Tot Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
72 23.5 21.4 32.2



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

Tgt Ion: 56 Resp: 6107
Ion Ratio Lower Upper
56 100
69 102.4 26.3 39.5#
84 106.8 70.8 106.2#

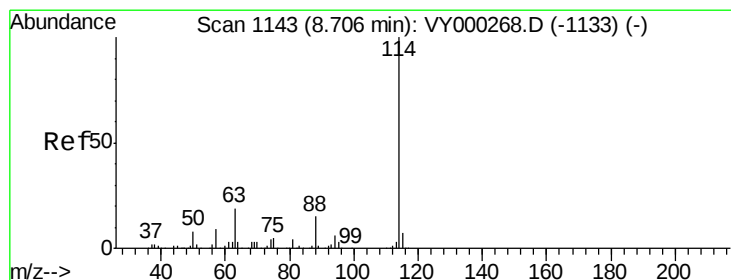
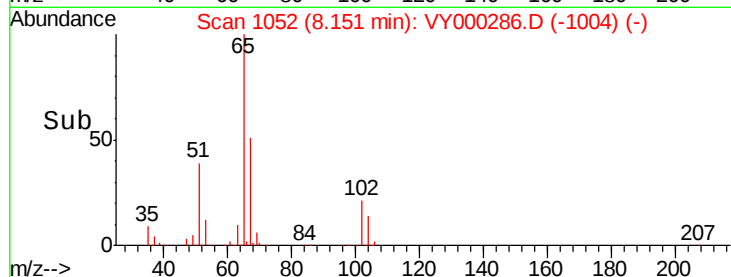
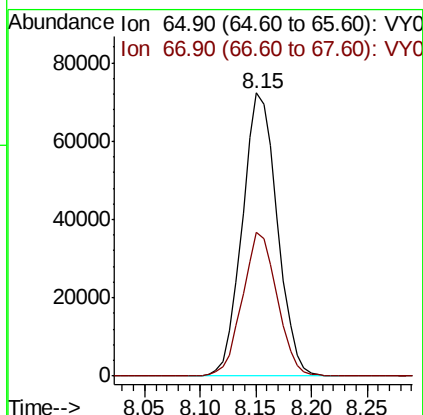
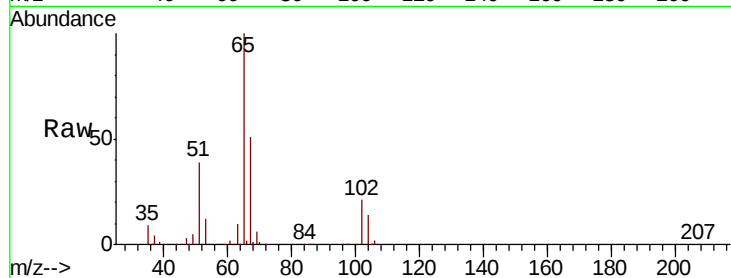




#33
 1,2-Dichloroethane-d4
 Concen: 60.087 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

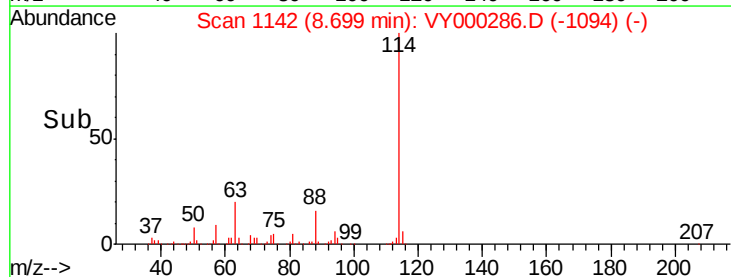
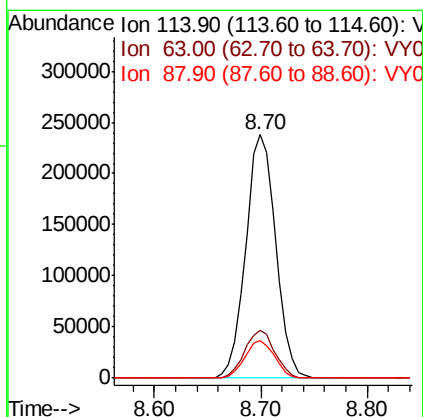
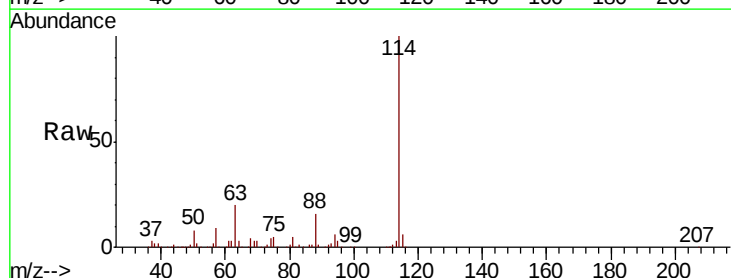
Instrument :
 MSVOA_Y
 ClientSampleId :

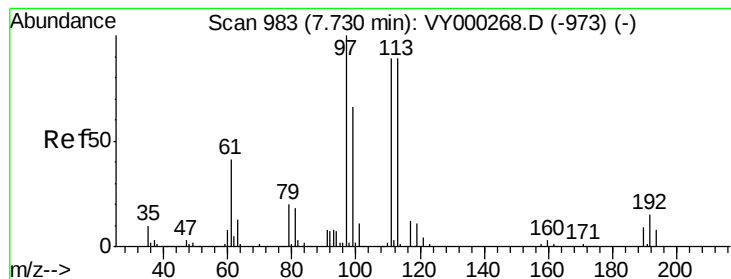
Tot Ion: 65 Resp: 157825
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

Tgt Ion: 114 Resp: 470350
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.2
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.114 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

Instrument :

MSVOA_Y

ClientSampleId :

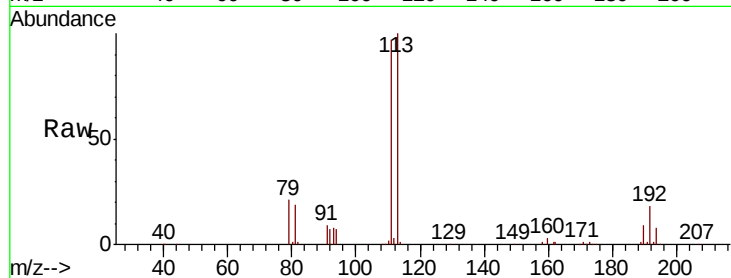
Tot Ion:113 Resp: 139346

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

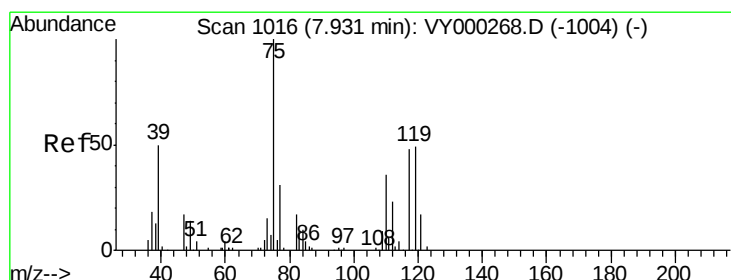
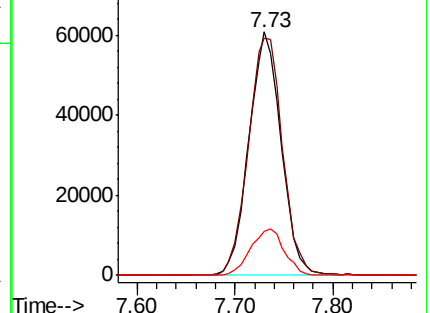
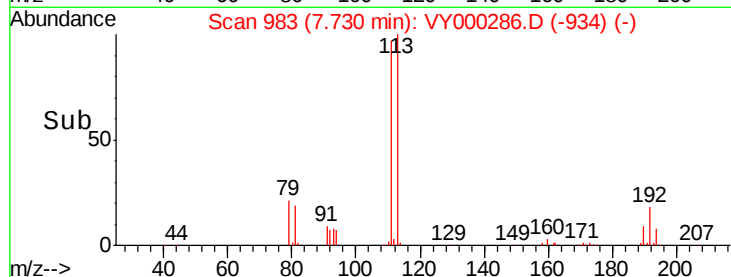
192 20.0 15.3 22.9



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: 4.410 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

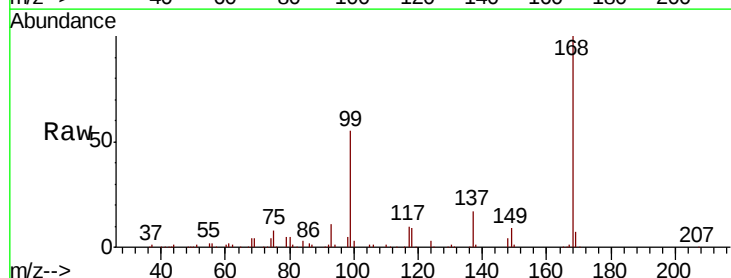
Tgt Ion: 75 Resp: 20308

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.4#

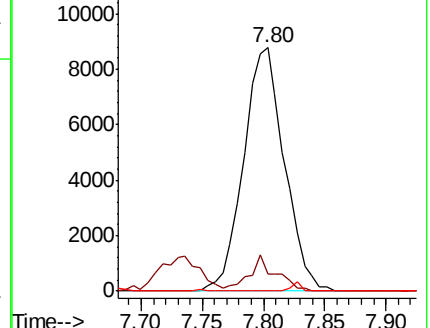
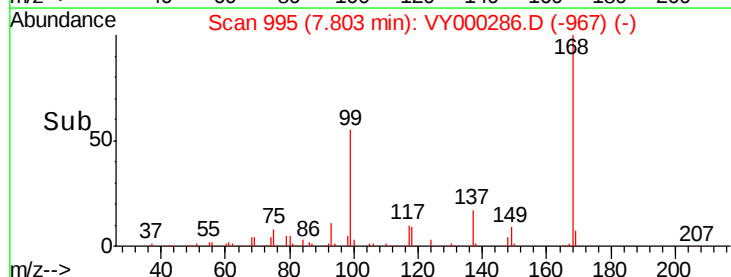
77 0.0 25.0 37.6#

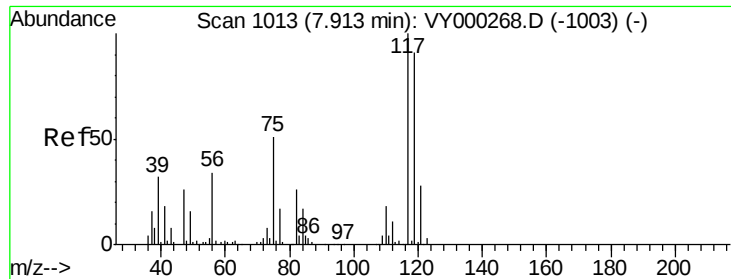


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

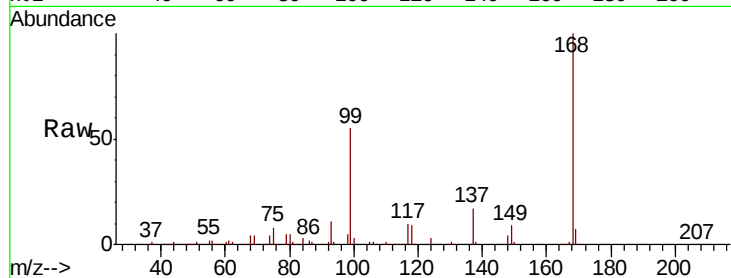




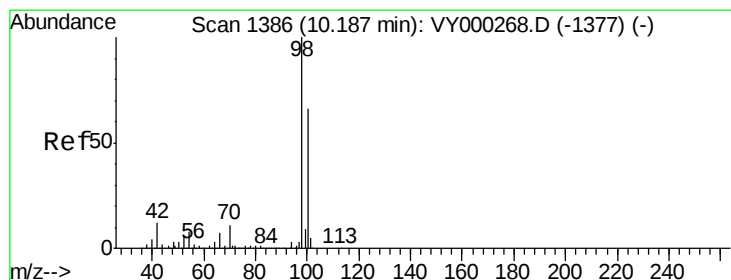
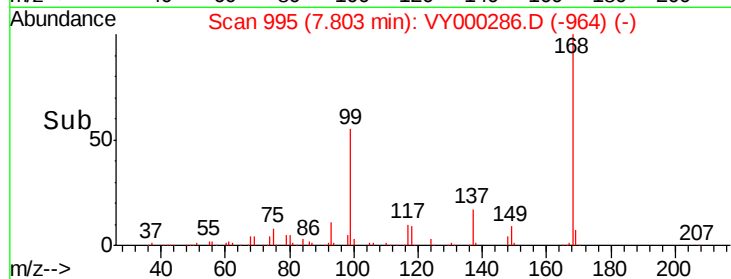
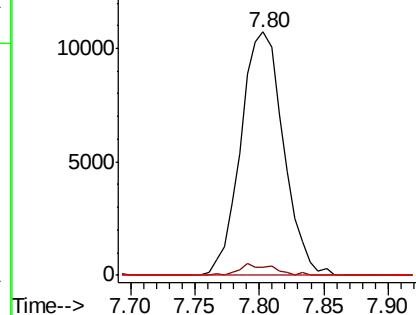
#38
Carbon Tetrachloride
Concen: 5.517 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 24597
Ion Ratio Lower Upper
117 100
119 3.3 72.8 109.2#
121 0.0 22.2 33.2#

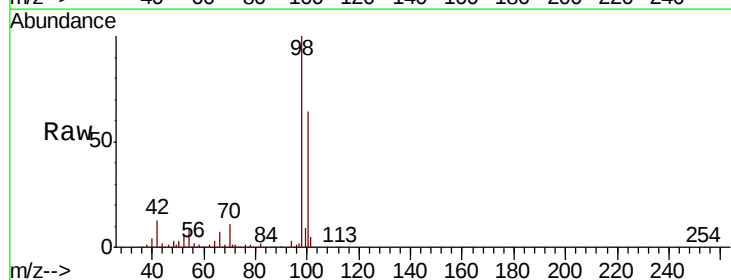


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

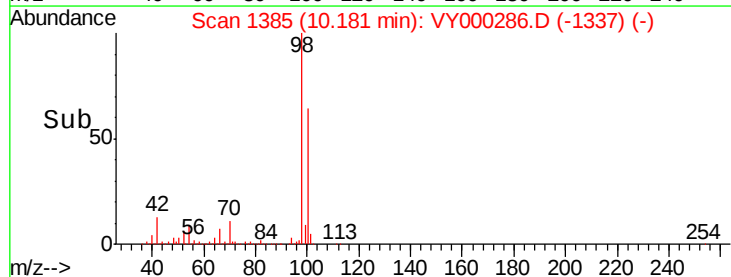
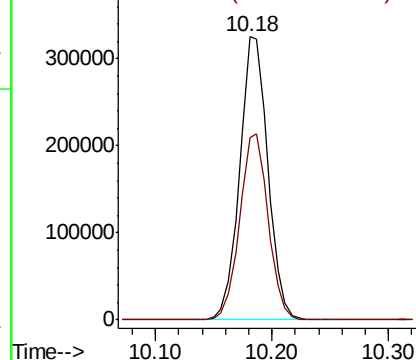


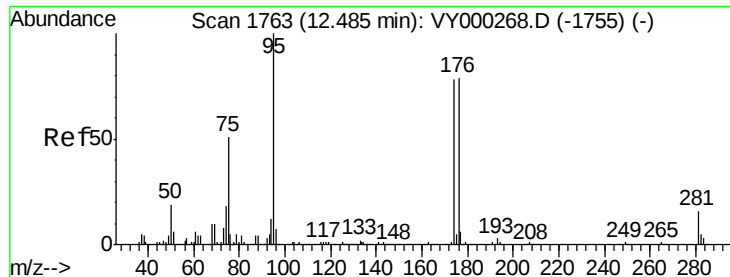
#50
Toluene-d8
Concen: 50.264 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

Tgt Ion: 98 Resp: 548577
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

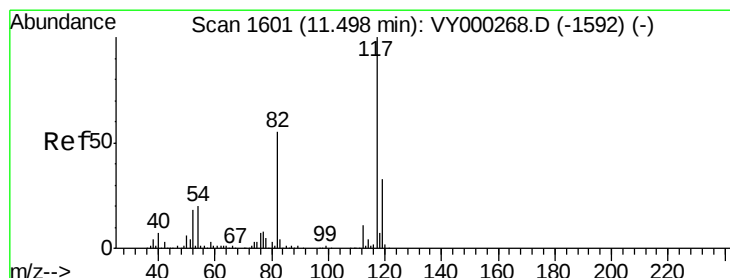
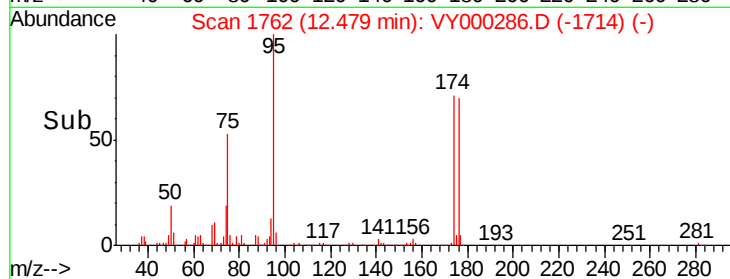
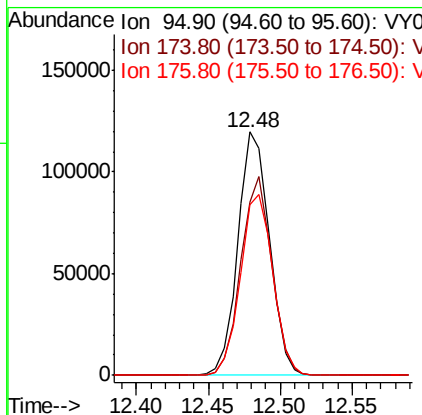
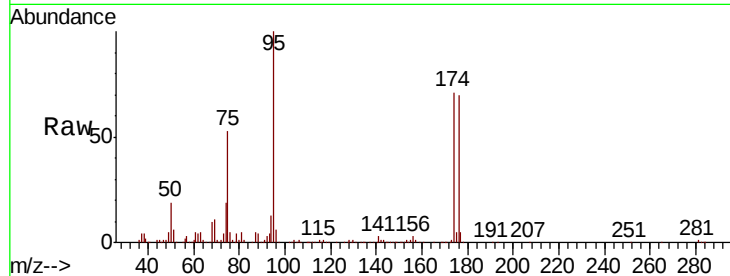




#62
4-Bromofluorobenzene
Concen: 44.021 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

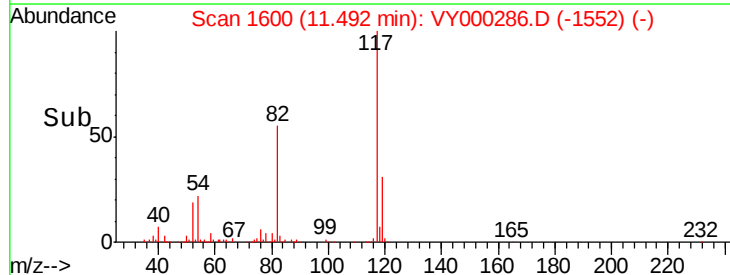
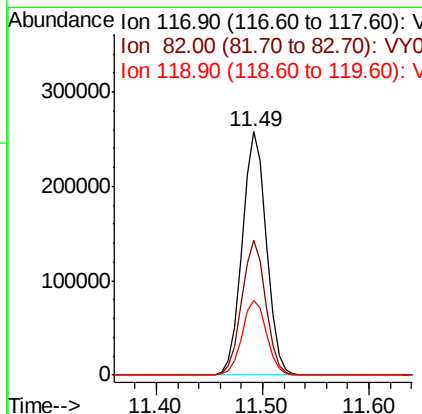
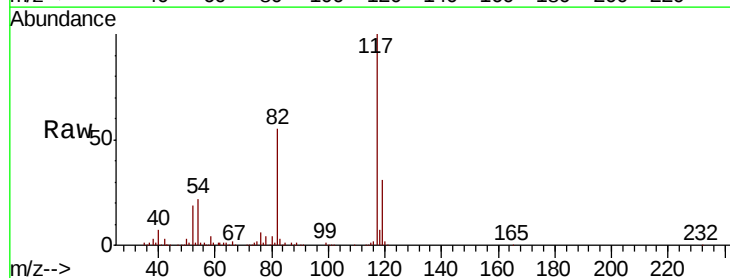
Instrument :
MSVOA_Y
ClientSampleId :

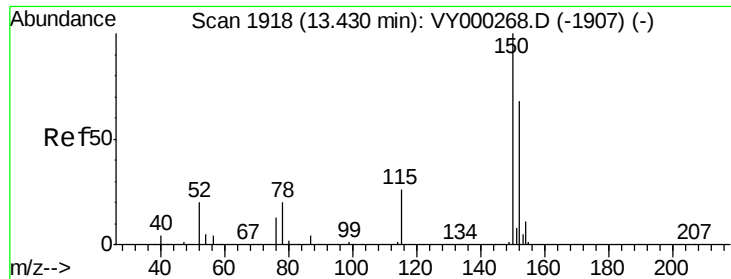
Tot Ion: 95 Resp: 182525
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.6
176 76.1 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

Tgt Ion: 117 Resp: 410030
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 30.7 26.6 39.8



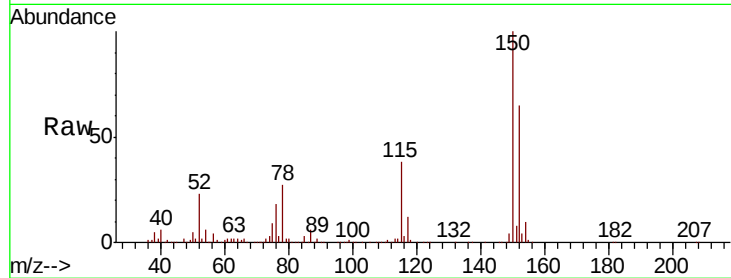


#72

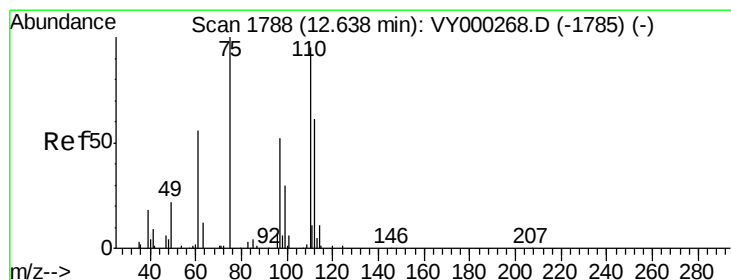
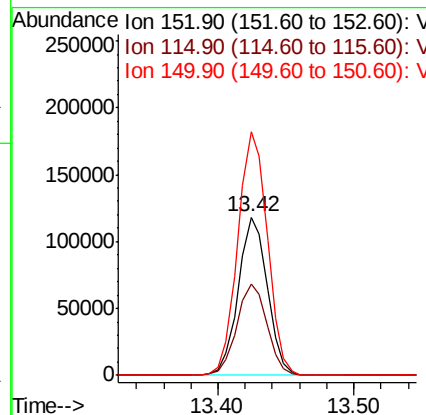
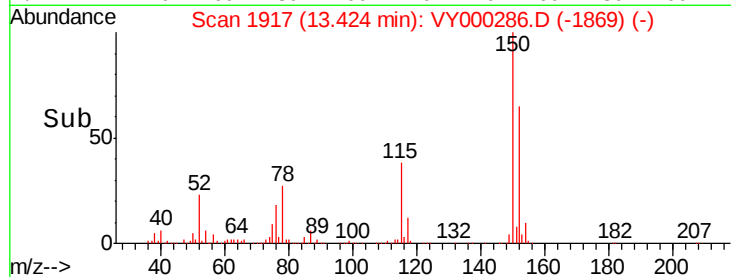
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.3	88.0
150	157.2	0.0	348.4



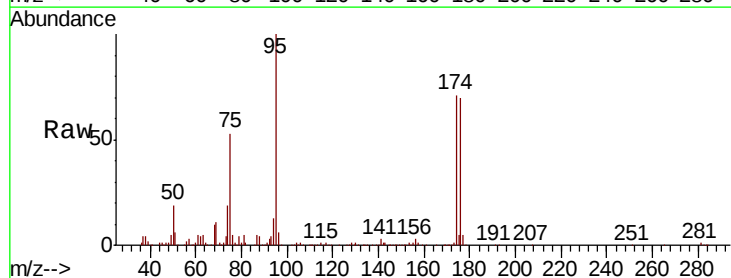
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



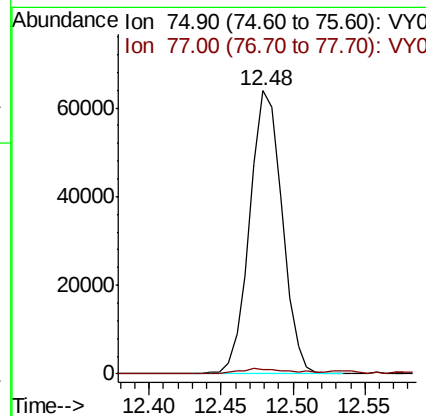
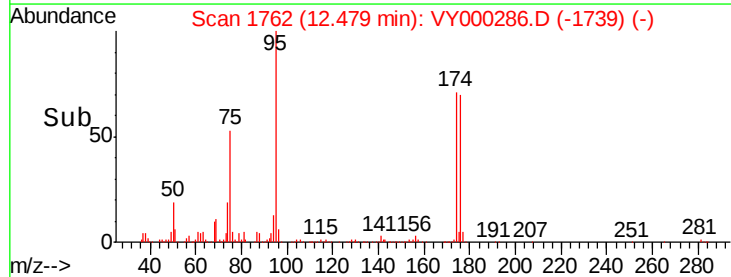
#76

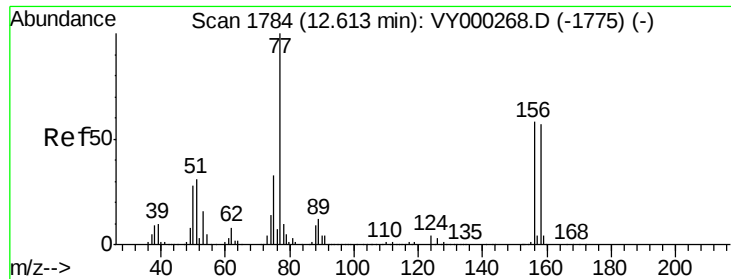
1,2,3-Trichloropropane
Concen: 45.892 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000286.D
Acq: 11 Oct 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	3.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.111 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.08 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

Instrument :

MSVOA_Y

ClientSampled :

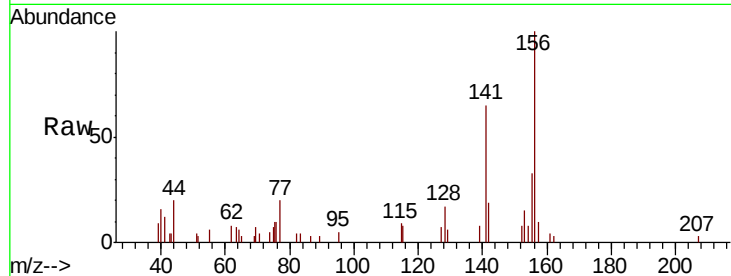
Tot Ion:156 Resp: 3390

Ion Ratio Lower Upper

156 100

77 31.5 101.0 302.9#

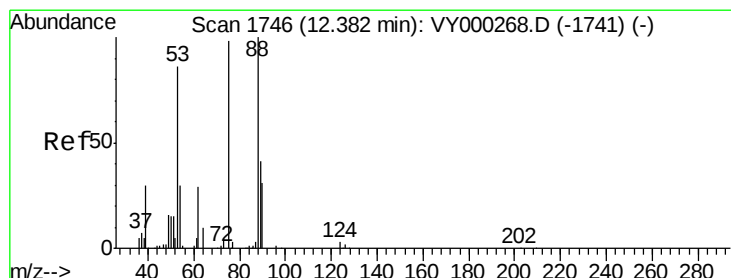
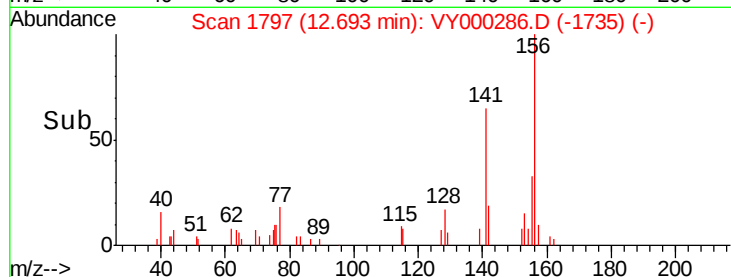
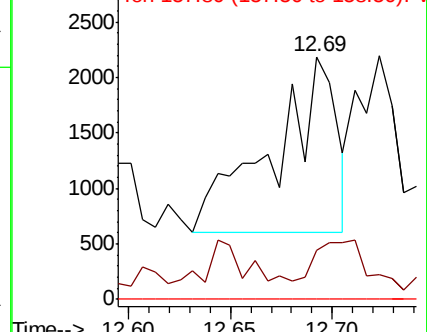
158 0.0 49.7 149.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 100.410 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000286.D

Acq: 11 Oct 2019 21:17

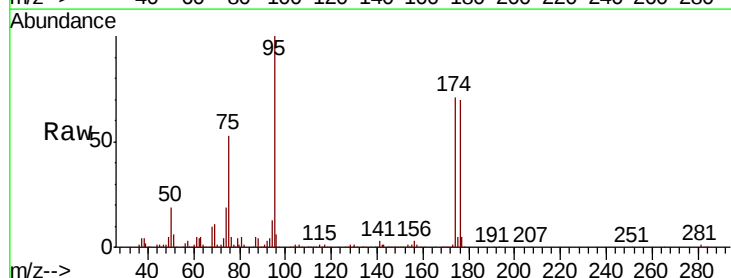
Tgt Ion: 75 Resp: 99240

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

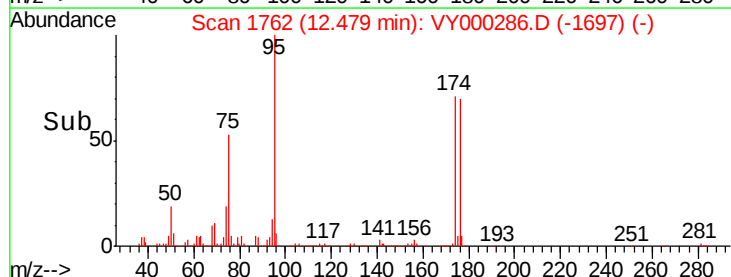
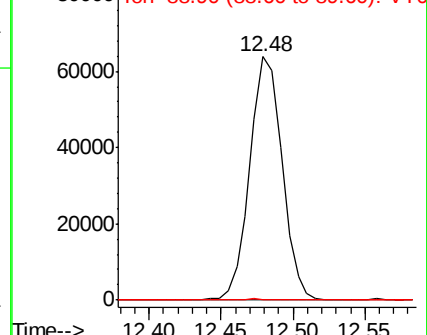
89 0.1 35.1 52.7#

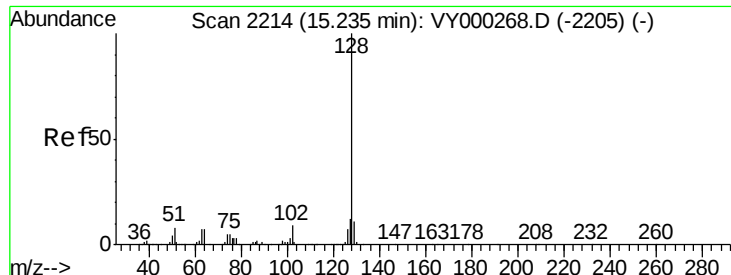


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

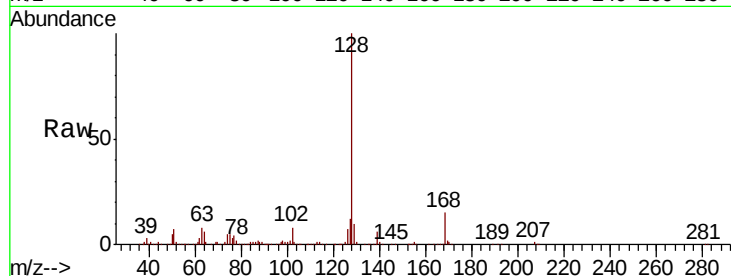




#95
 Naphthalene
 Concen: 31.949 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000286.D
 Acq: 11 Oct 2019 21:17

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.6	14.4
129	10.7	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

