

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000283.D
 Acq On : 11 Oct 2019 20:07
 Operator : SY/MD
 Sample : K5350-03
 Misc : 8.09G/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:38:44 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	255304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	486621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	417105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	186138	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	158599	58.89	ug/l	0.00
Spiked Amount						
			Recovery	=	117.78%	
35) Dibromofluoromethane	7.73	113	144035	49.07	ug/l	0.00
Spiked Amount						
			Recovery	=	98.14%	
50) Toluene-d8	10.19	98	564130	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.48	95	193395	45.08	ug/l	0.00
Spiked Amount						
			Recovery	=	90.16%	

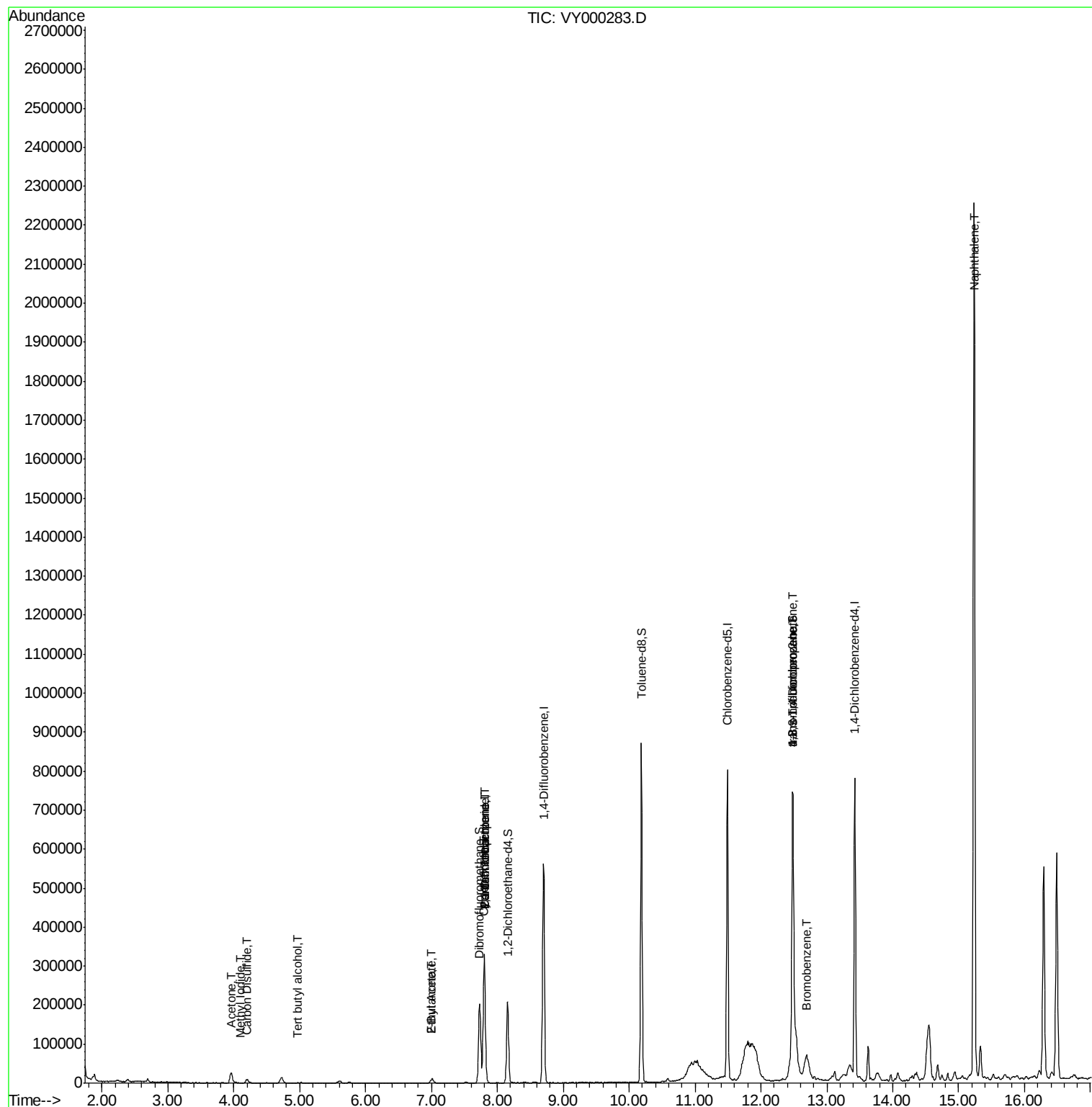
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	135	Below Cal	#	3
10) Methyl Iodide	4.10	142	68	1.204	ug/l #	88
11) Tert butyl alcohol	4.97	59	513	1.820	ug/l #	73
16) Acetone	3.96	43	44698	51.252	ug/l	95
17) Carbon Disulfide	4.20	76	16748	2.063	ug/l #	94
20) Methylene Chloride	4.72	84	10669	Below Cal	#	93
25) 2-Butanone	7.00	43	19699	16.034	ug/l	94
31) Cyclohexane	7.79	56	5556	1.078	ug/l #	19
36) 1,1-Dichloropropene	7.80	75	20639	4.332	ug/l #	49
37) Ethyl Acetate	7.00	43	19699	6.983	ug/l #	67
38) Carbon Tetrachloride	7.80	117	25404	5.507	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	106032	46.325	ug/l #	100
77) Bromobenzene	12.70	156	77196	23.902	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	106032	101.358	ug/l #	17
95) Naphthalene	15.23	128	1764025	197.153	ug/l	99

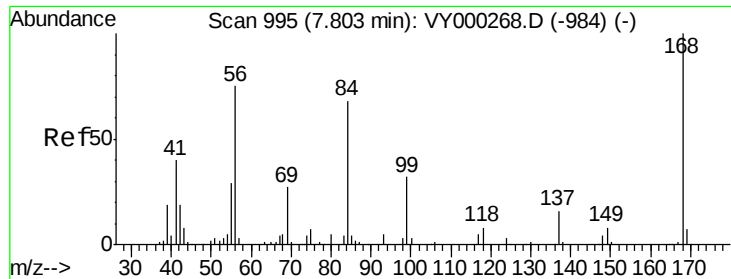
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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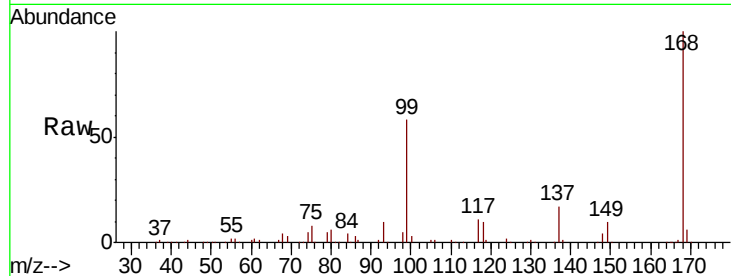




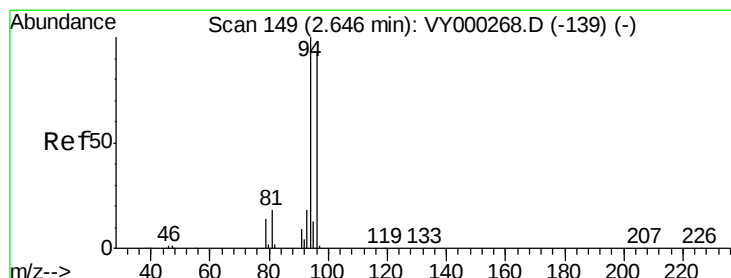
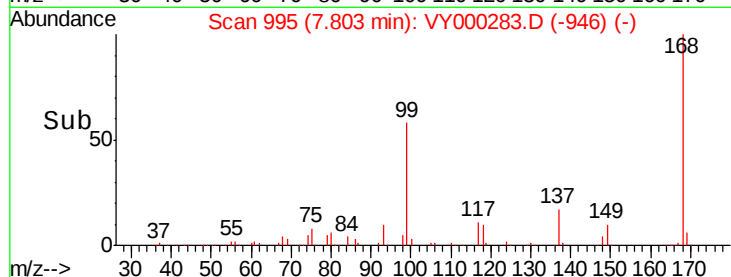
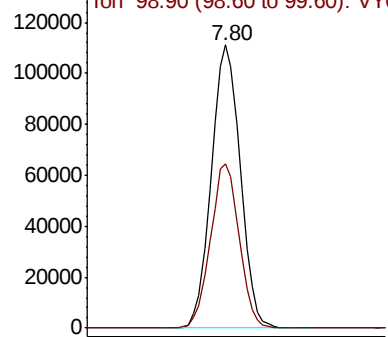
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 255304
Ion Ratio Lower Upper
168 100
99 58.3 46.6 69.8

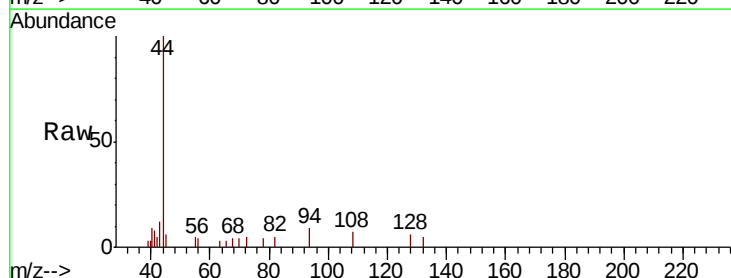


Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)
Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

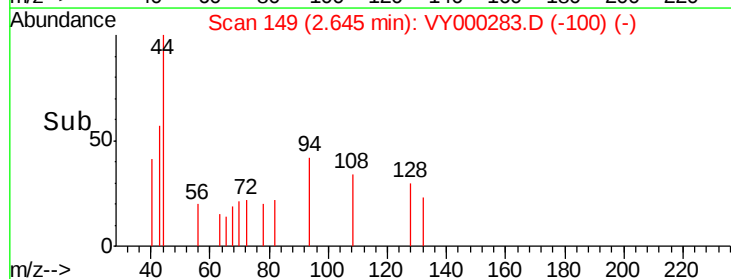
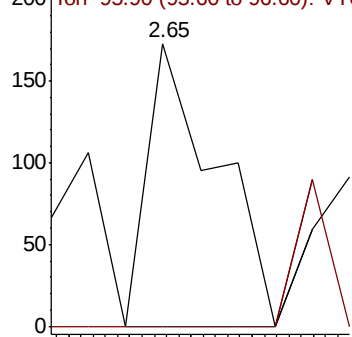


#5
Bromomethane
Concen: Below Cal
RT: 2.65 min Scan# 149
Delta R.T. 0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VY000268.D (-139) (-)
Ion 95.90 (95.60 to 96.60): VY000268.D (-139) (-)

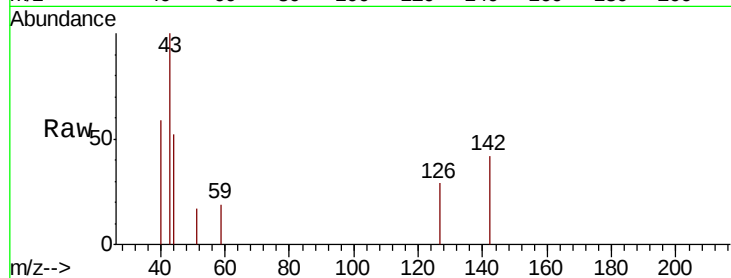




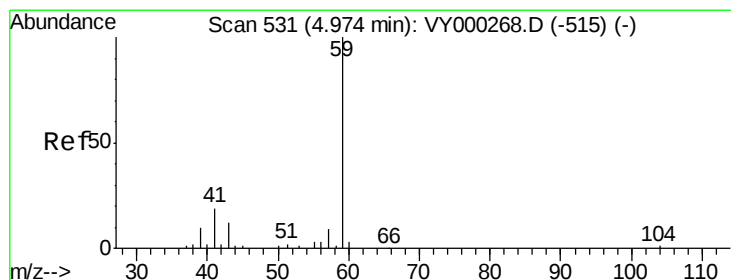
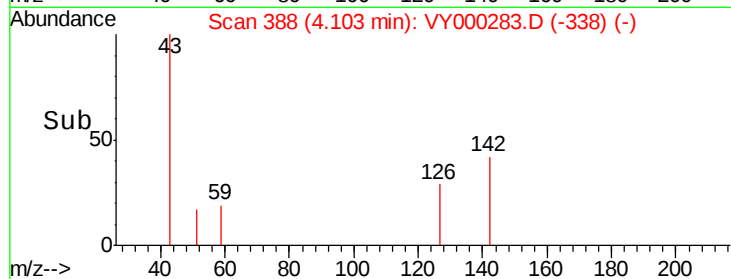
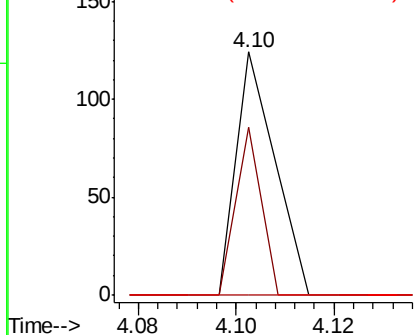
#10
Methyl Iodide
Concen: 1.204 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 142 Resp: 68
Ion Ratio Lower Upper
142 100
127 45.6 33.9 50.9
141 0.0 11.2 16.8#

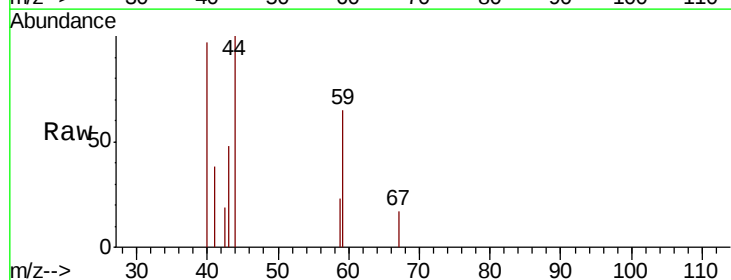


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

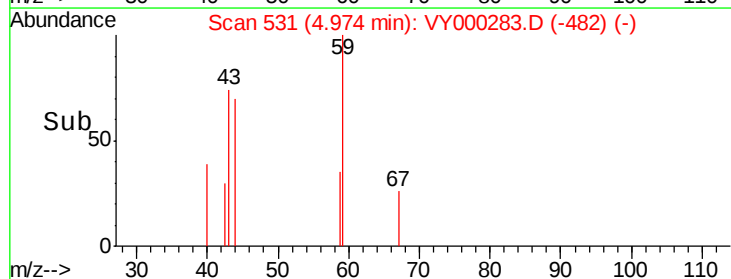
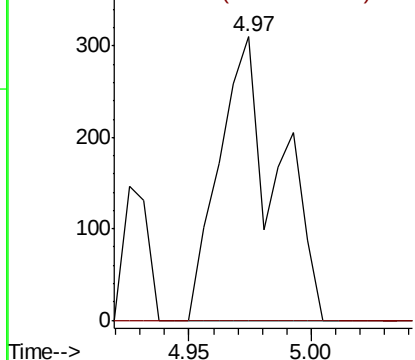


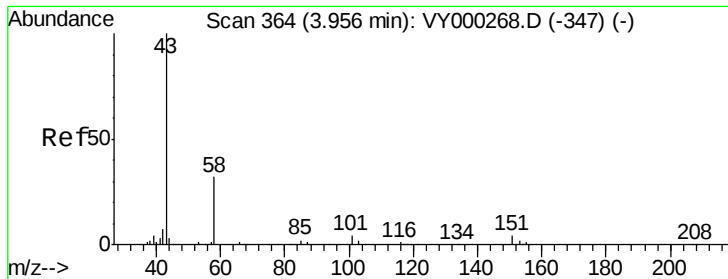
#11
Tert butyl alcohol
Concen: 1.820 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion: 59 Resp: 513
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: 51.252 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000283.D

Acq: 11 Oct 2019 20:07

Instrument :

MSVOA_Y

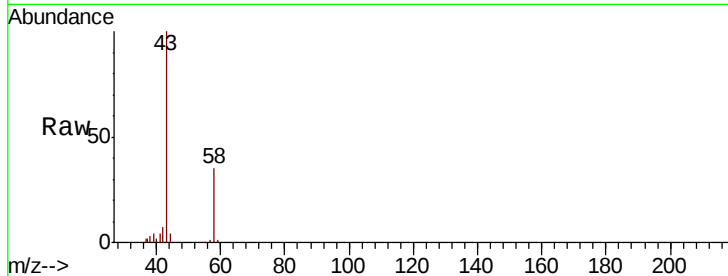
ClientSampleId :

Tot Ion: 43 Resp: 44698

Ion Ratio Lower Upper

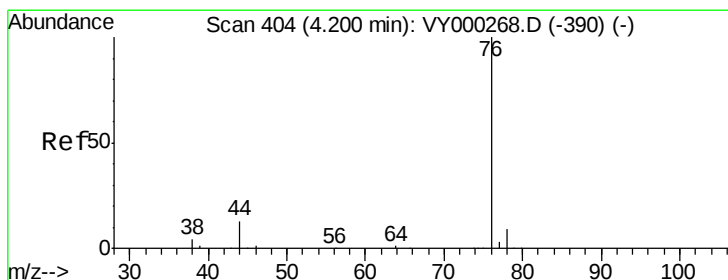
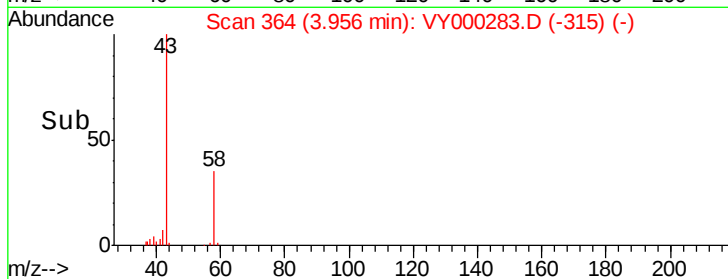
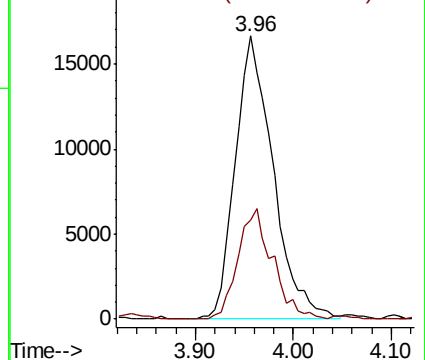
43 100

58 34.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 2.063 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000283.D

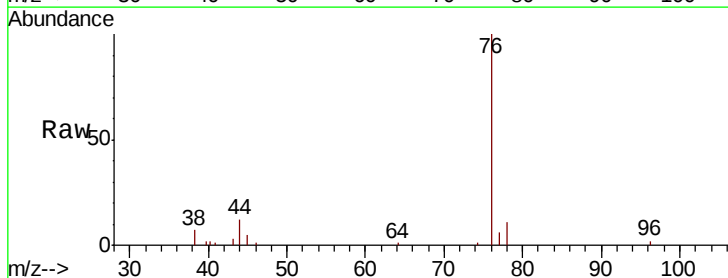
Acq: 11 Oct 2019 20:07

Tgt Ion: 76 Resp: 16748

Ion Ratio Lower Upper

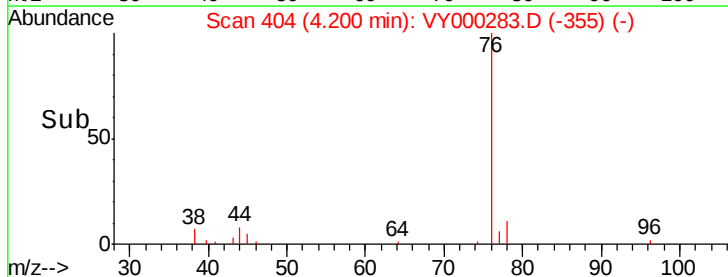
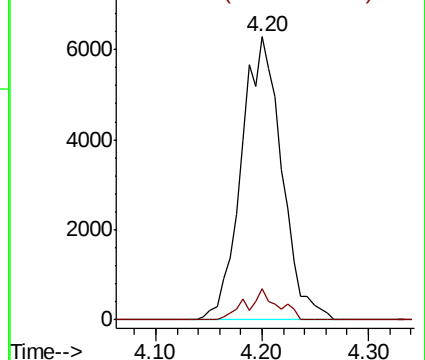
76 100

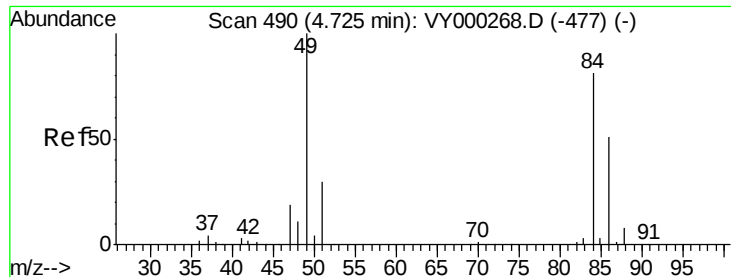
78 11.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

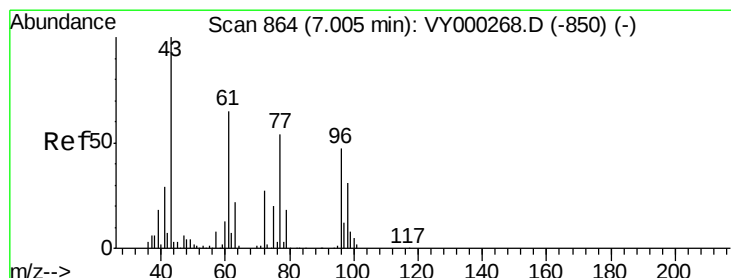
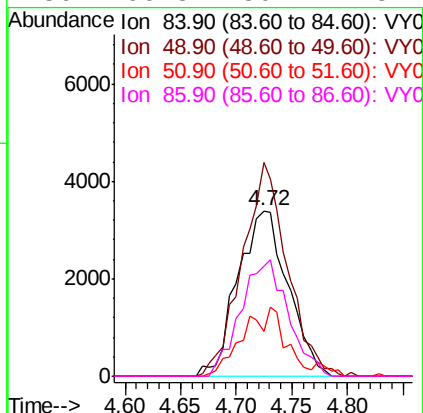
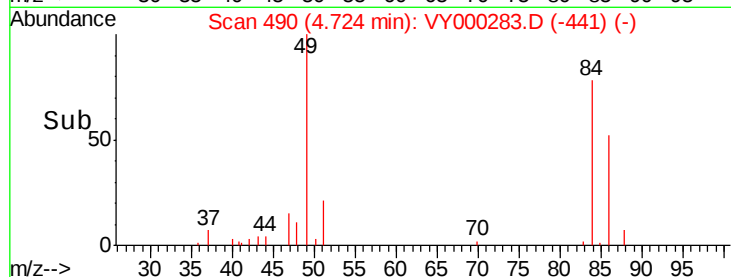
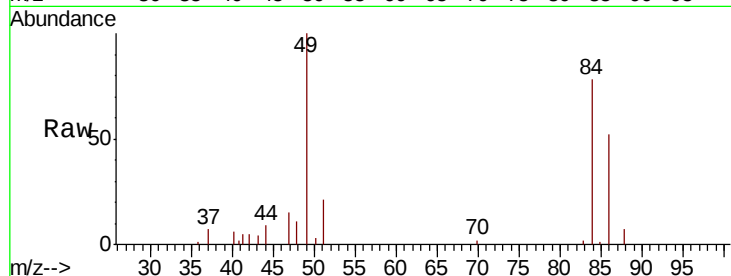




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

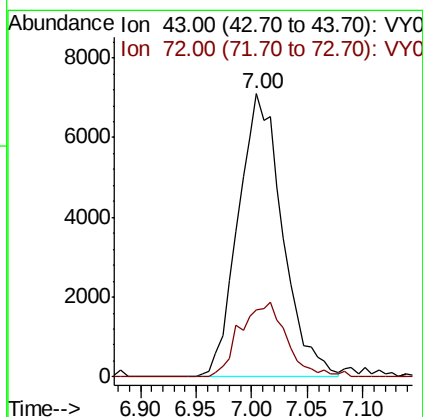
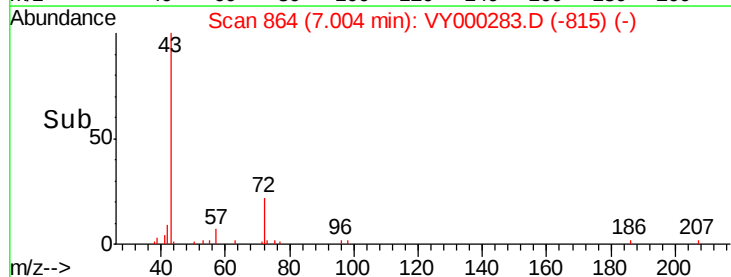
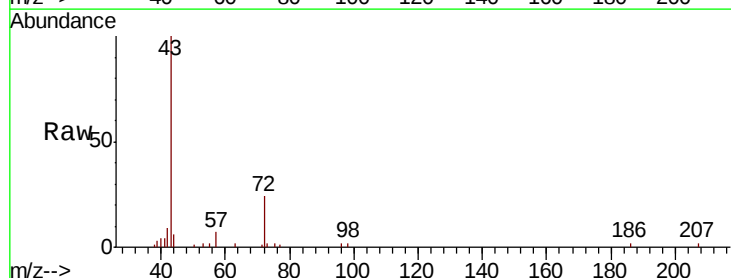
Instrument :
MSVOA_Y
ClientSampleId :

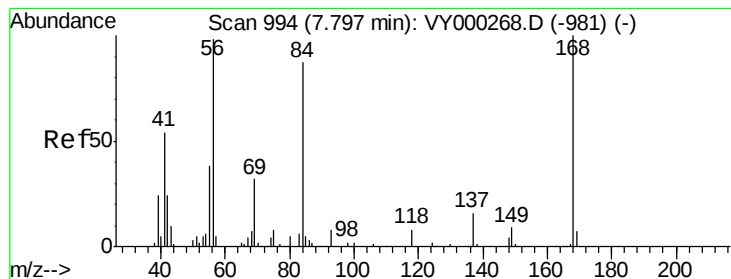
Tot Ion: 84 Resp: 10669
Ion Ratio Lower Upper
84 100
49 128.9 99.0 148.4
51 27.1 29.3 43.9#
86 66.8 50.2 75.4



#25
2-Butanone
Concen: 16.034 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion: 43 Resp: 19699
Ion Ratio Lower Upper
43 100
72 23.8 21.4 32.2





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000283.D

Acq: 11 Oct 2019 20:07

Instrument :
MSVOA_Y
ClientSampled :

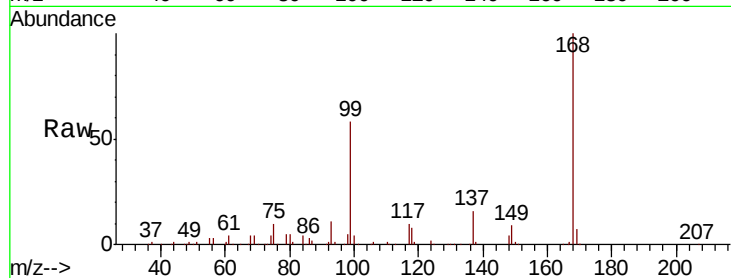
Tot Ion: 56 Resp: 5556

Ion Ratio Lower Upper

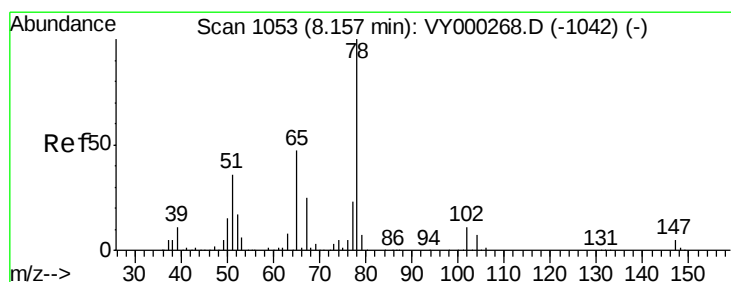
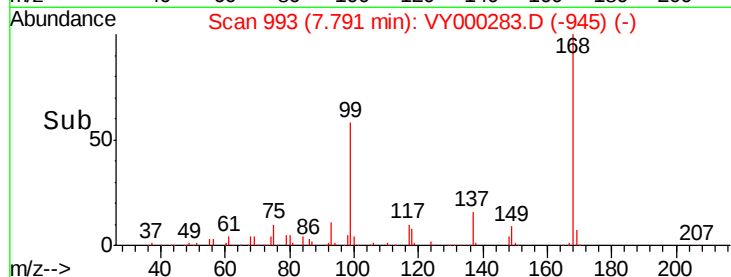
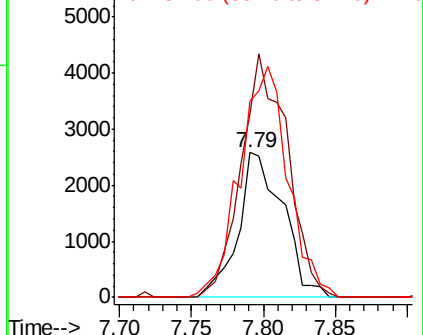
56 100

69 126.4 26.3 39.5#

84 135.1 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: 58.892 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000283.D

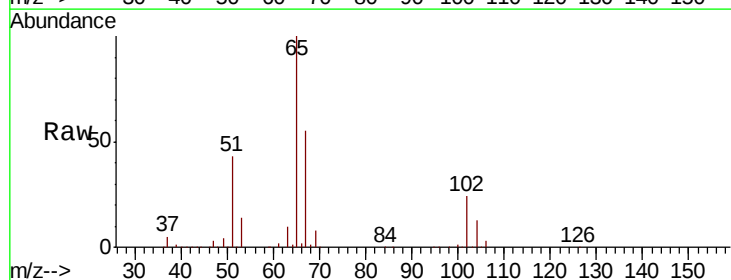
Acq: 11 Oct 2019 20:07

Tgt Ion: 65 Resp: 158599

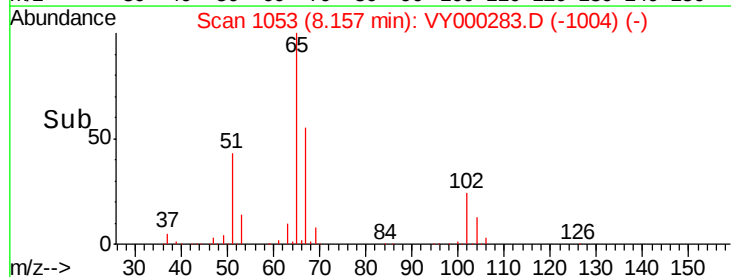
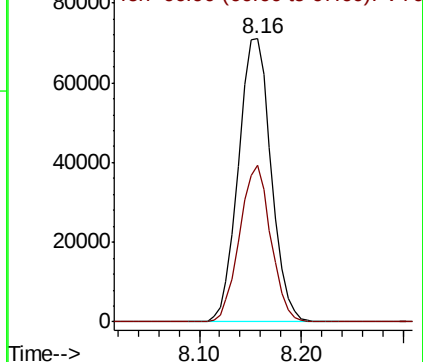
Ion Ratio Lower Upper

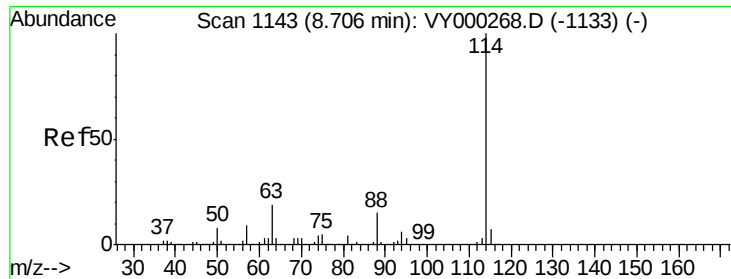
65 100

67 52.8 0.0 109.4



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

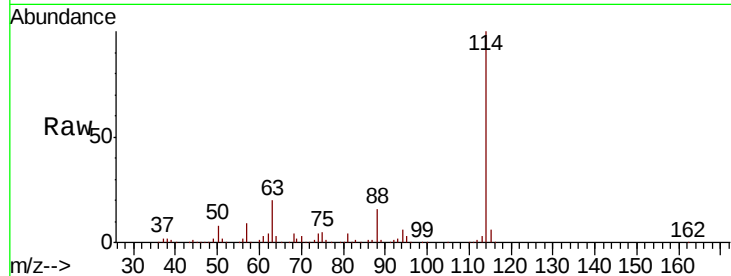




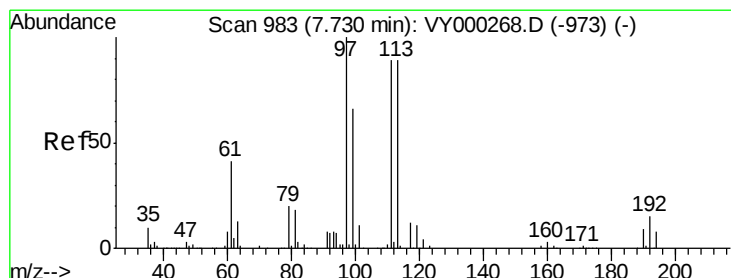
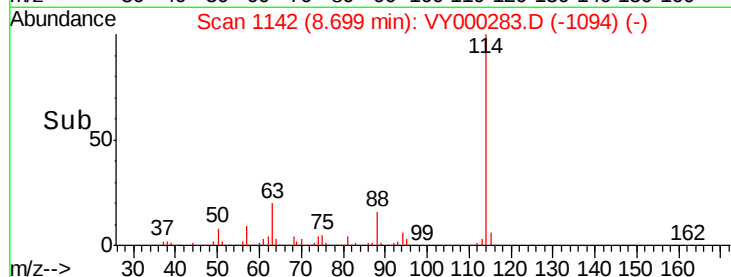
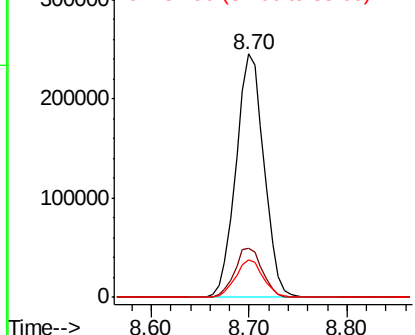
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 486621
Ion Ratio Lower Upper
114 100
63 20.4 0.0 37.2
88 15.7 0.0 30.2

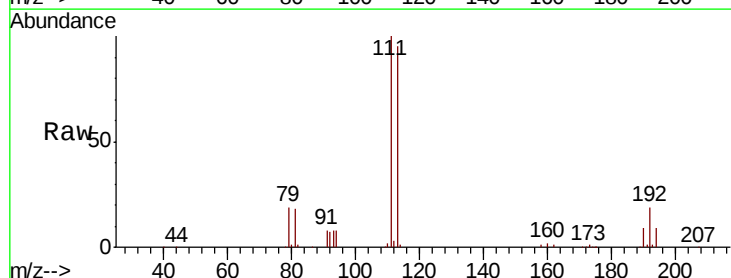


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

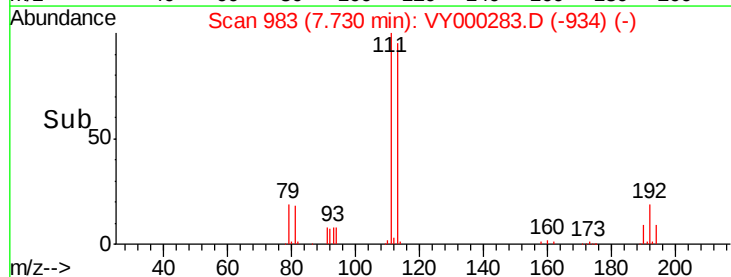
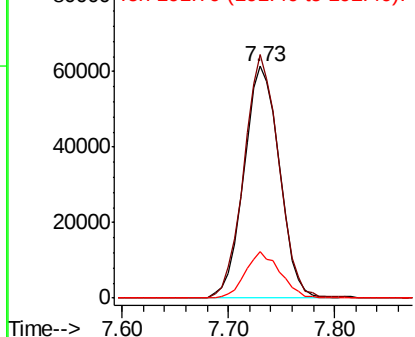


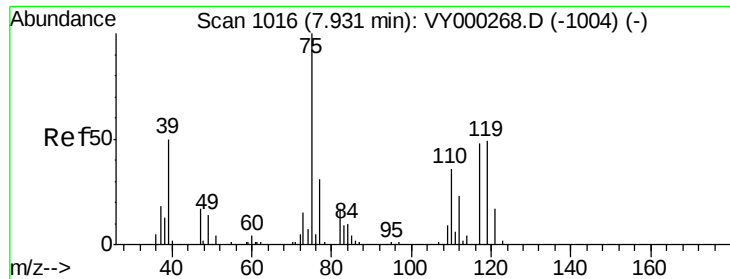
#35
Dibromofluoromethane
Concen: 49.069 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion:113 Resp: 144035
Ion Ratio Lower Upper
113 100
111 102.8 81.6 122.4
192 19.5 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

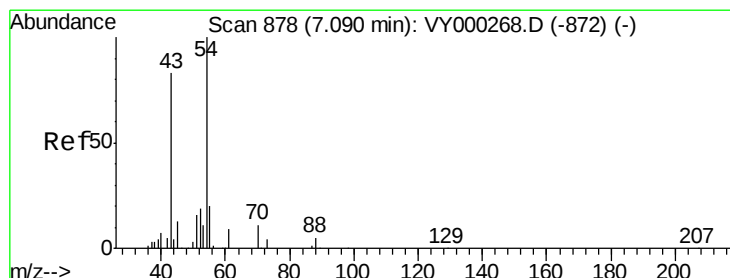
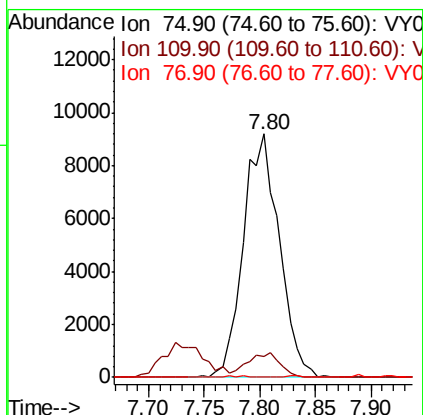
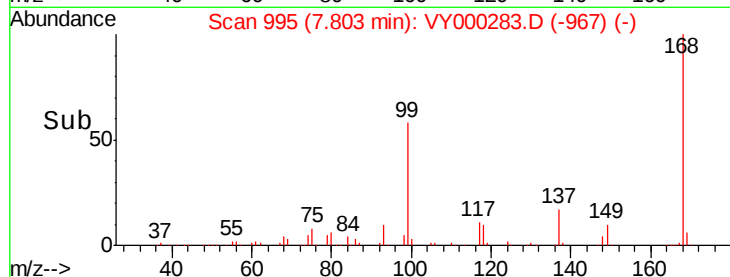
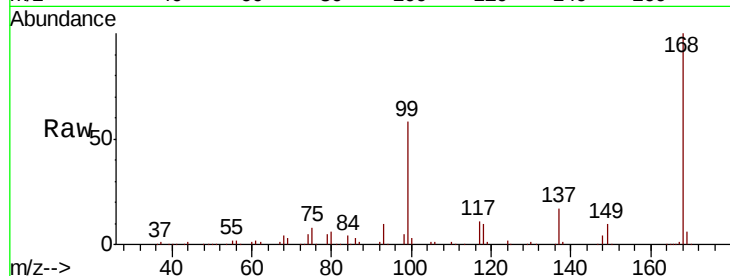




#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000283.D
 Acq: 11 Oct 2019 20:07

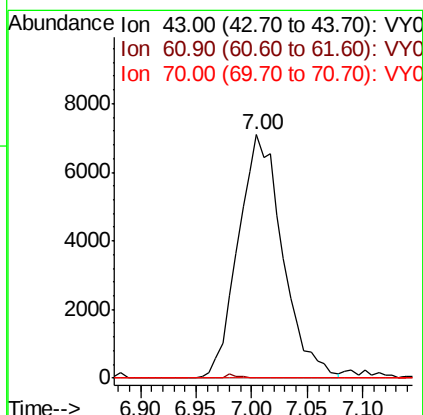
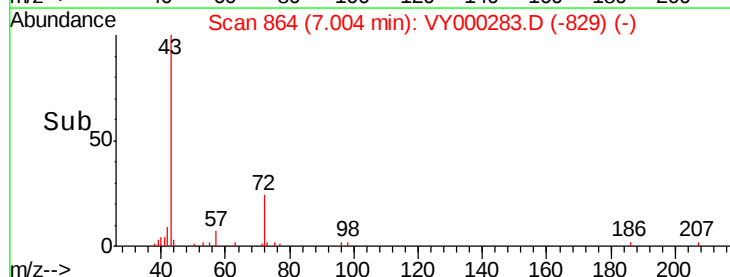
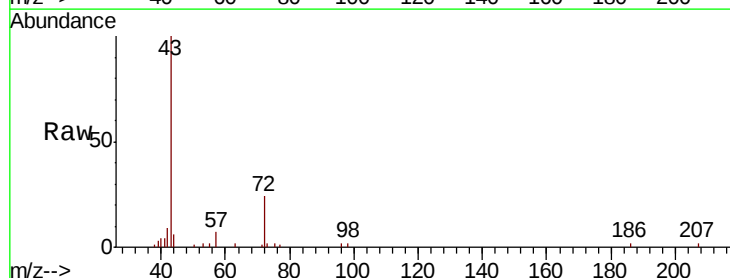
Instrument :
 MSVOA_Y
 ClientSampleId :

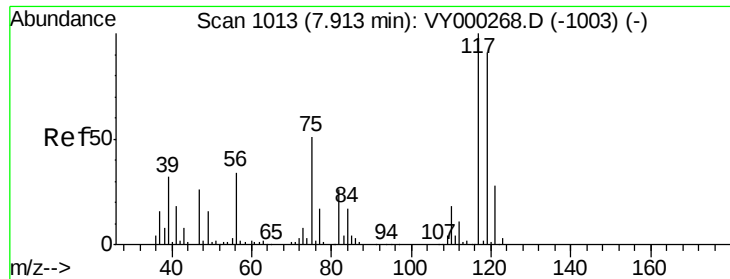
Tot Ion	75	Resp	20639
Ion Ratio	Lower	Upper	
75	100		
110	9.2	18.4	55.4#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 6.983 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.09 min
 Lab File: VY000283.D
 Acq: 11 Oct 2019 20:07

Tgt Ion	43	Resp	19699
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.1	18.1#
70	0.0	8.7	13.1#

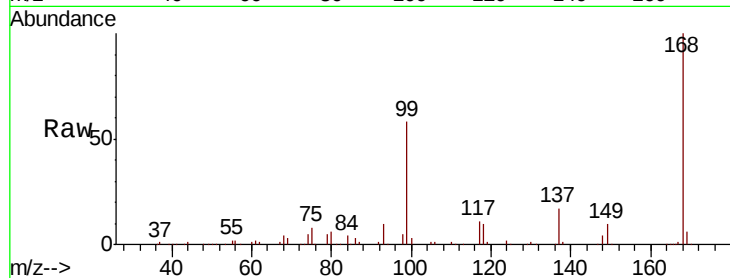




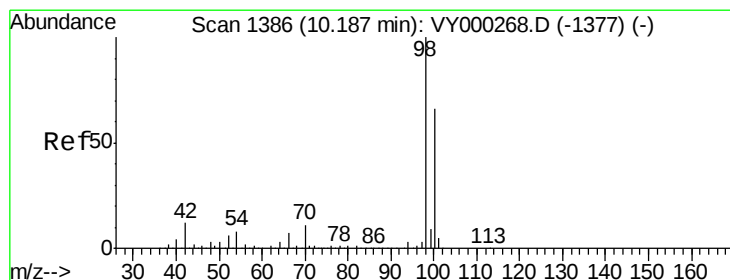
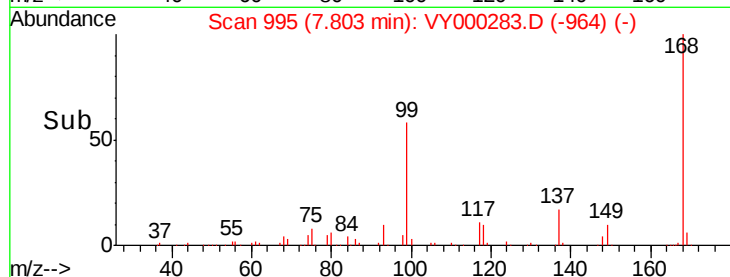
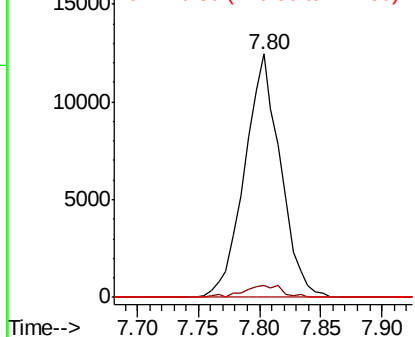
#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 25404
Ion Ratio Lower Upper
117 100
119 4.9 72.8 109.2#
121 0.0 22.2 33.2#

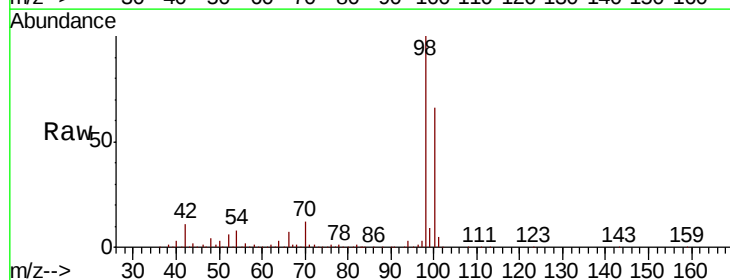


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

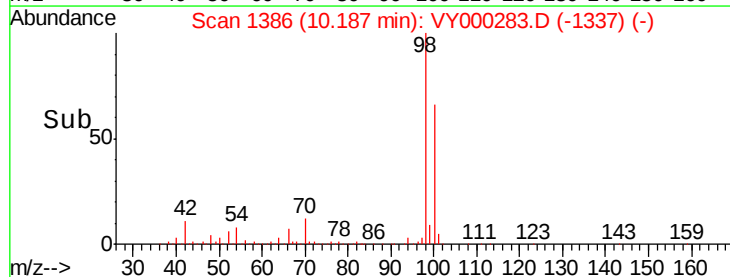
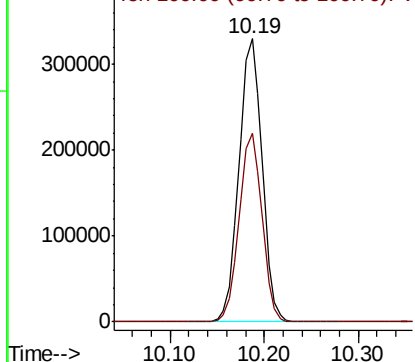


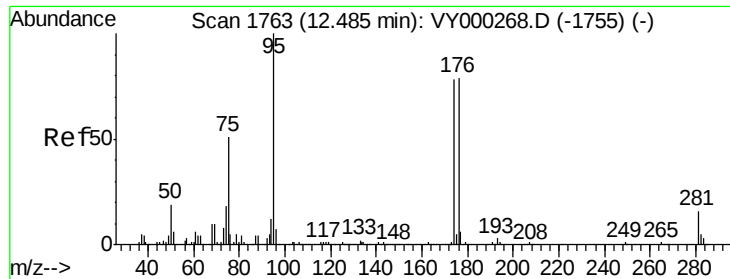
#50
Toluene-d8
Concen: 49.961 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion: 98 Resp: 564130
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



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

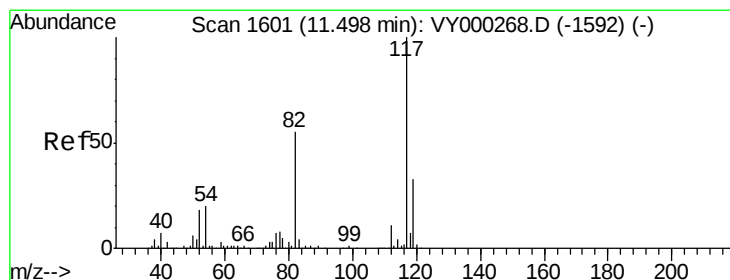
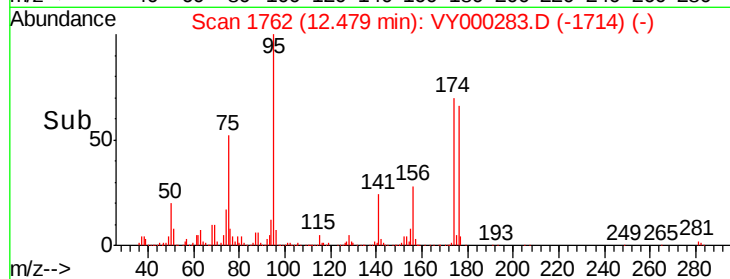
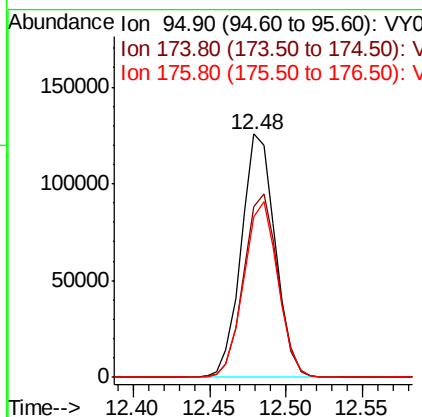
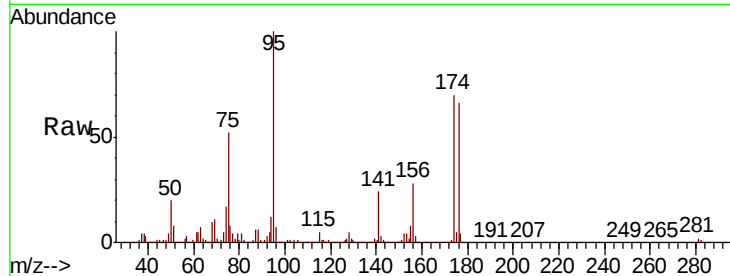




#62
4-Bromofluorobenzene
Concen: 45.083 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

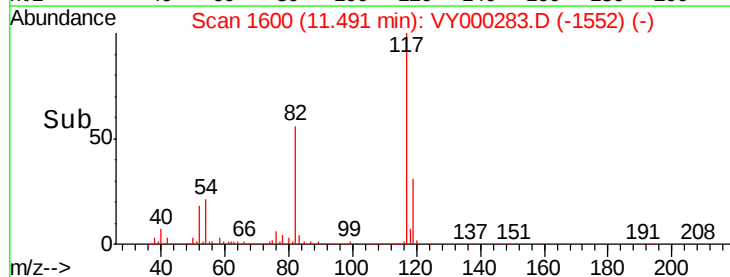
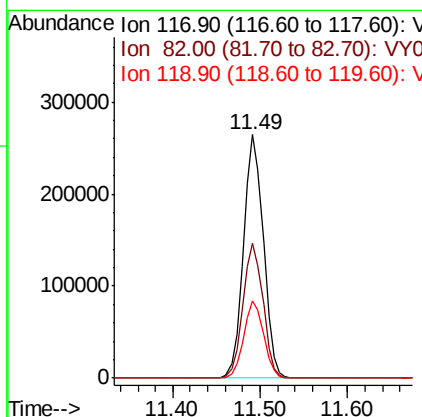
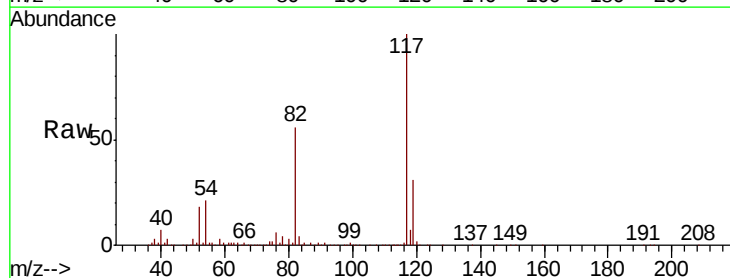
Instrument :
MSVOA_Y
ClientSampleId :

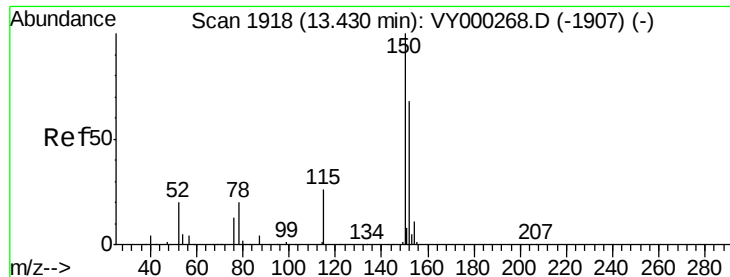
Tot Ion	95	Resp	193395
Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	159.6
176	72.7	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion	117	Resp	417105
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.7	65.5
119	31.5	26.6	39.8



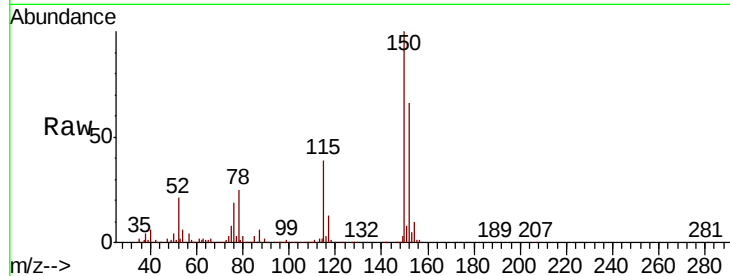


#72

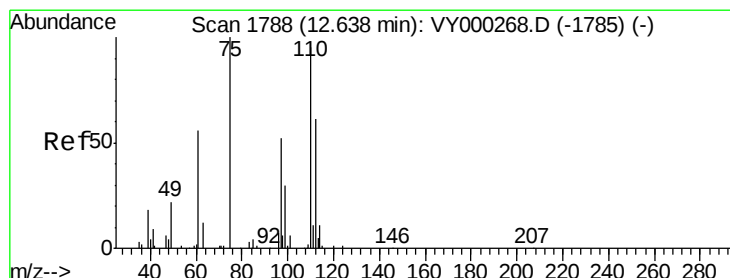
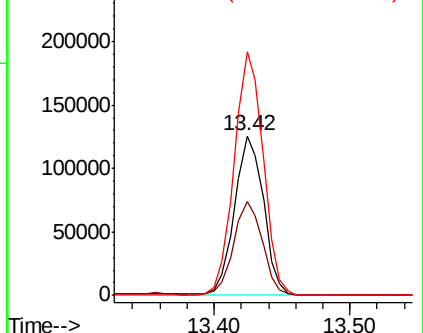
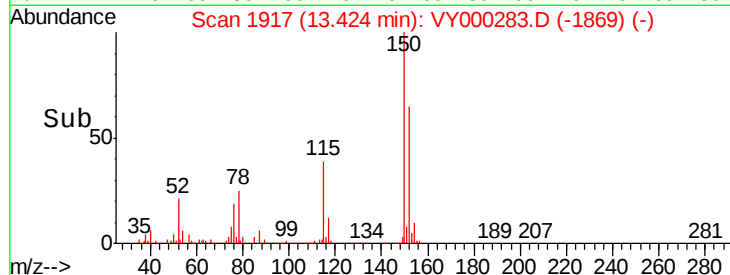
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	153.2	0.0	348.4



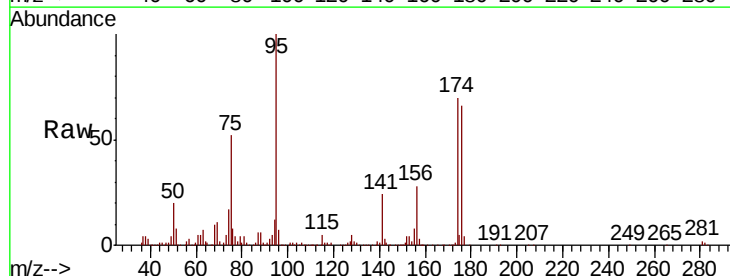
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



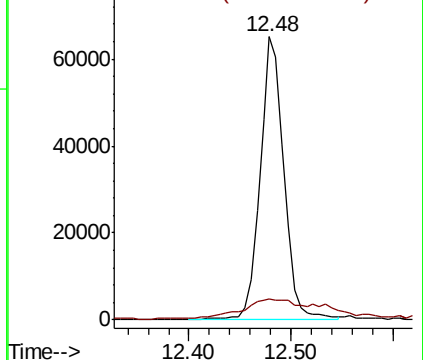
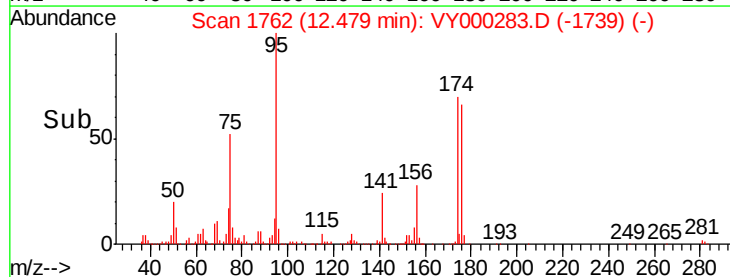
#76

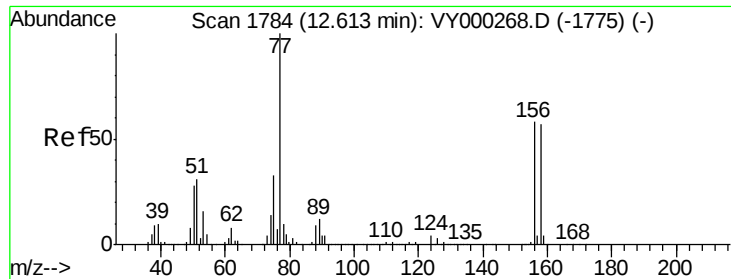
1,2,3-Trichloropropane
Concen: 46.325 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000283.D
Acq: 11 Oct 2019 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	15.4	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: 23.902 ug/l

RT: 12.70 min Scan# 1798

Delta R.T. 0.09 min

Lab File: VY000283.D

Acq: 11 Oct 2019 20:07

Instrument :

MSVOA_Y

ClientSampled :

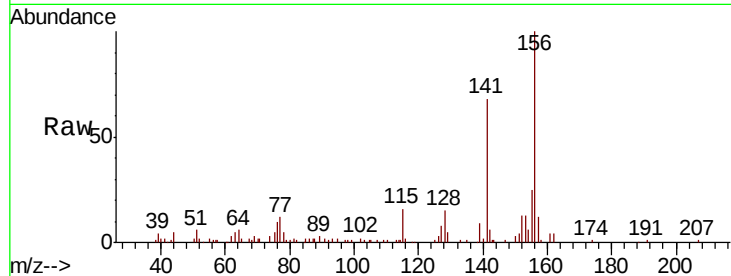
Tot Ion:156 Resp: 77196

Ion Ratio Lower Upper

156 100

77 8.6 101.0 302.9#

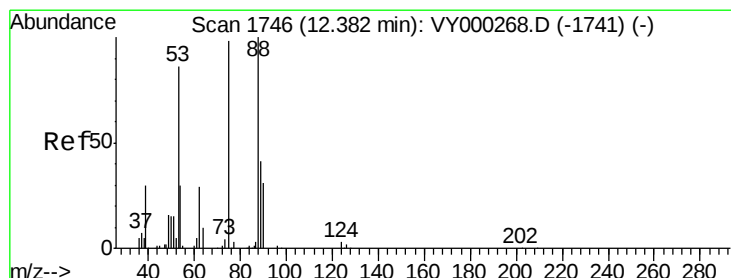
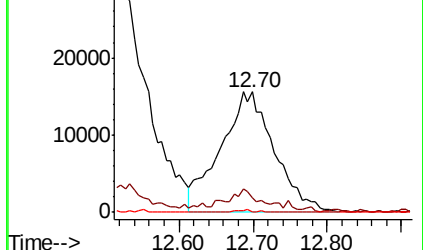
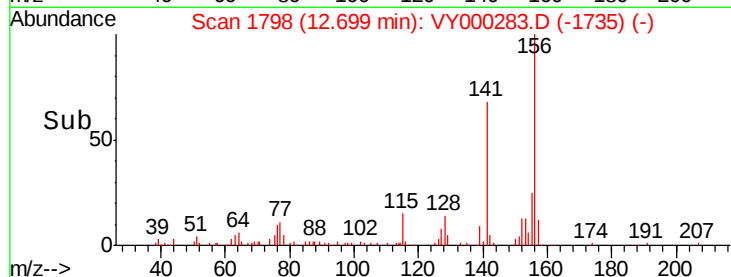
158 0.5 49.7 149.1#



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: 101.358 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000283.D

Acq: 11 Oct 2019 20:07

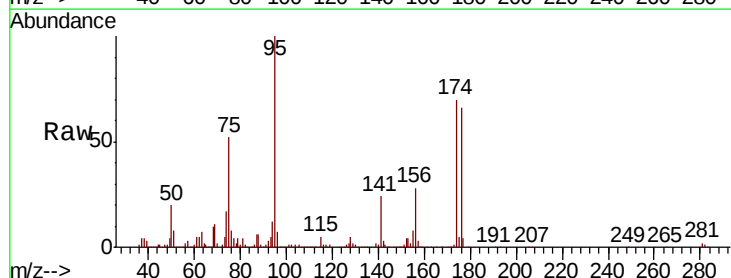
Tgt Ion: 75 Resp: 106032

Ion Ratio Lower Upper

75 100

53 1.3 71.3 106.9#

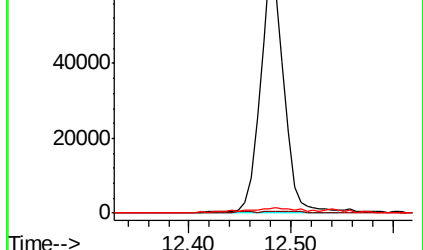
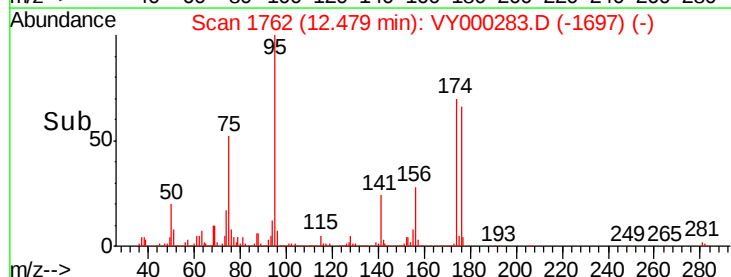
89 4.8 35.1 52.7#

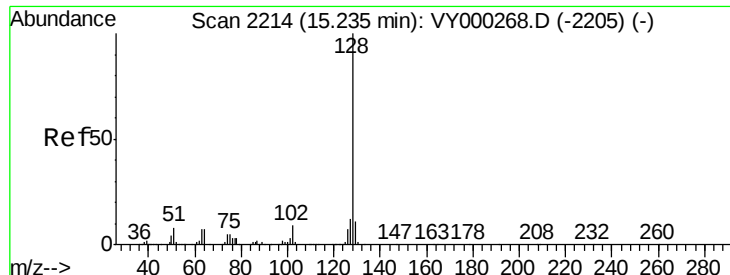


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 197.153 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

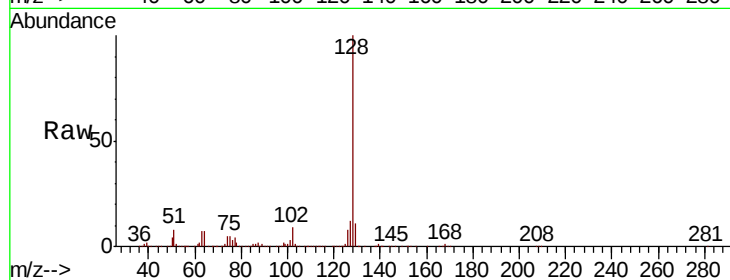
Lab File: VY000283.D

Acq: 11 Oct 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :



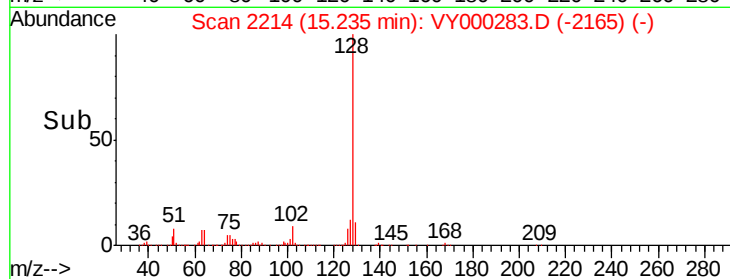
Tot Ion:128 Resp: 1764025

Ion Ratio Lower Upper

128 100

127 12.5 9.6 14.4

129 11.0 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

