

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000292.D
 Acq On : 14 Oct 2019 12:20
 Operator : SY/MD
 Sample : VY1014SBL01
 Misc : 5.00g/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:12:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	316792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	532799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	463178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	167095	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.00%		
35) Dibromofluoromethane	7.73	113	149541	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.06%		
50) Toluene-d8	10.19	98	611006	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.84%		
62) 4-Bromofluorobenzene	12.49	95	212868	45.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.64%		

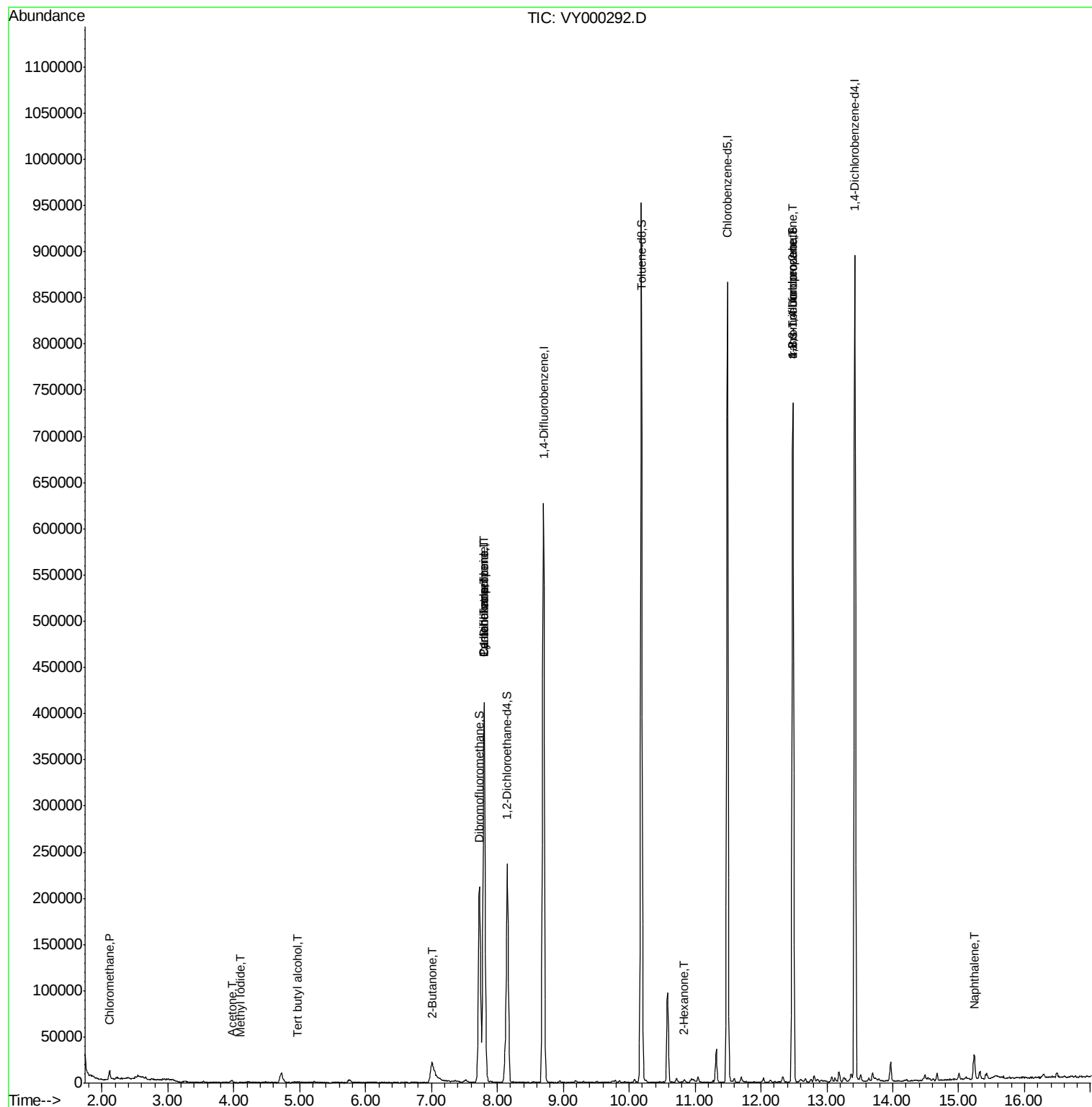
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	377	Below Cal		75
3) Chloromethane	2.12	50	7687	1.986	ug/l #	78
10) Methyl Iodide	4.10	142	556	1.304	ug/l #	95
11) Tert butyl alcohol	4.96	59	1278	3.654	ug/l #	73
16) Acetone	3.97	43	3543	3.274	ug/l	95
20) Methylene Chloride	4.72	84	7241	Below Cal	#	88
25) 2-Butanone	7.02	43	2794	1.833	ug/l	99
31) Cyclohexane	7.80	56	7477	1.170	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	24716	4.738	ug/l #	49
38) Carbon Tetrachloride	7.80	117	31256	6.188	ug/l #	18
59) 2-Hexanone	10.83	43	2127	1.000	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	112237	42.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	112237	92.108	ug/l #	14
95) Naphthalene	15.24	128	19594	1.880	ug/l	95

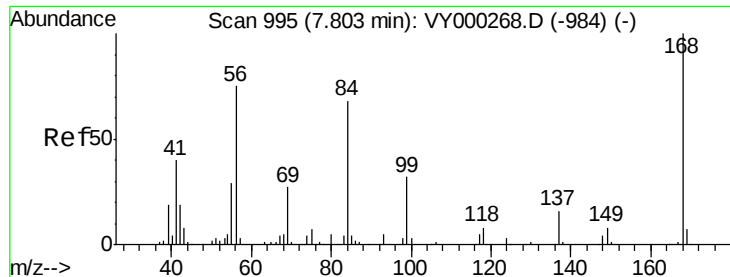
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000292.D

Acq: 14 Oct 2019 12:20

Instrument :

MSVOA_Y

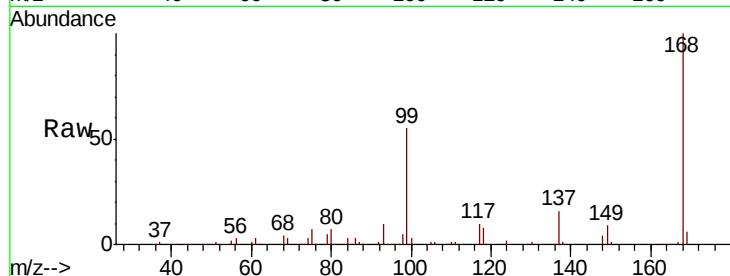
ClientSampled :

Tot Ion:168 Resp: 316792

Ion Ratio Lower Upper

168 100

99 55.1 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) (-)

7.80

150000

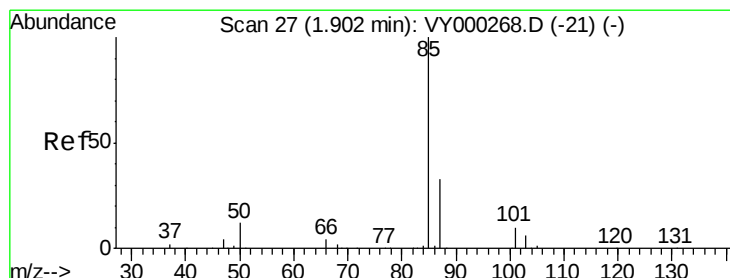
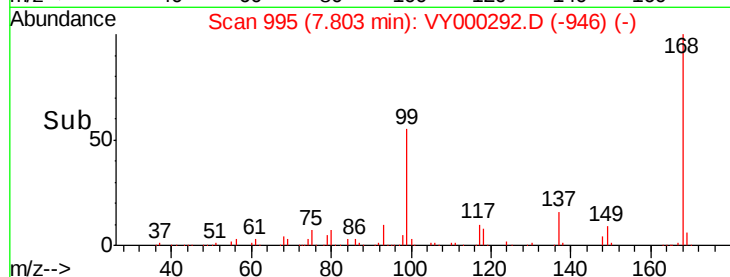
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000292.D

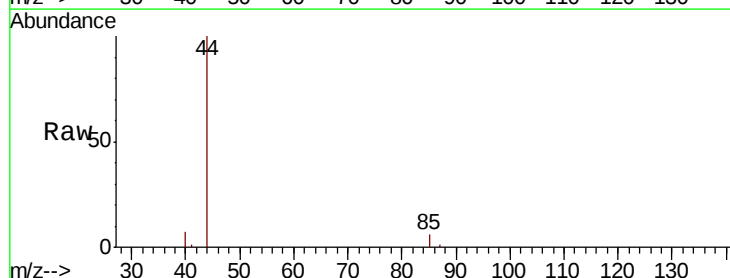
Acq: 14 Oct 2019 12:20

Tgt Ion: 85 Resp: 377

Ion Ratio Lower Upper

85 100

87 19.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.91

400

300

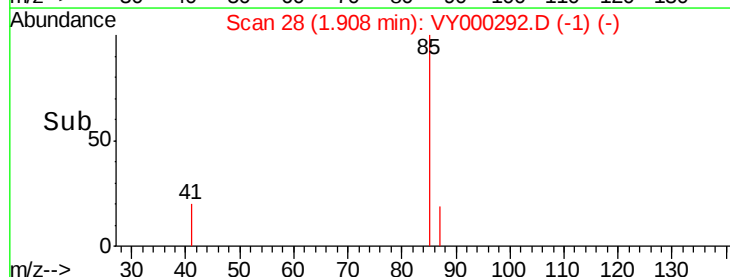
200

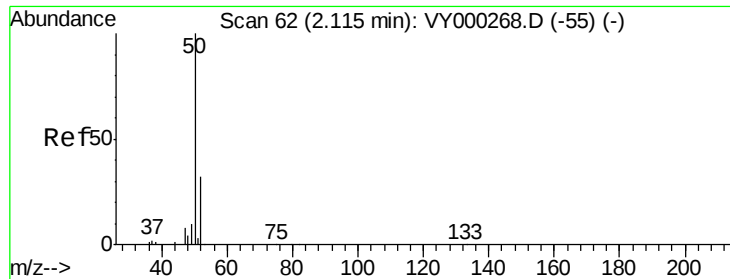
100

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 1.986 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000292.D

Acq: 14 Oct 2019 12:20

Instrument :

MSVOA_Y

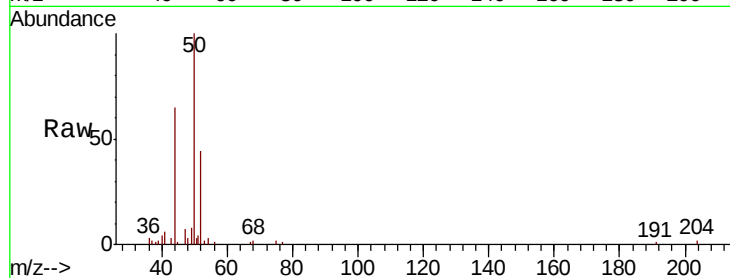
ClientSampleId :

Tot Ion: 50 Resp: 7687

Ion Ratio Lower Upper

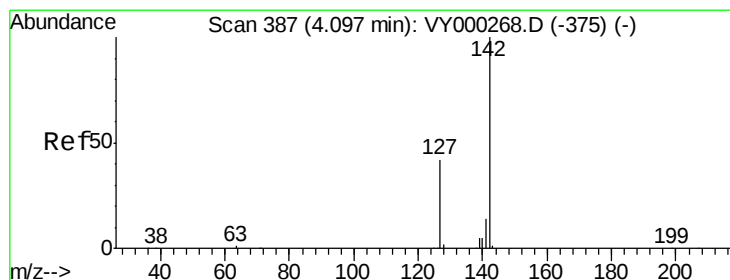
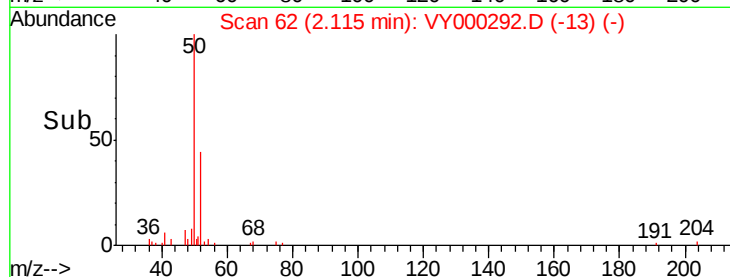
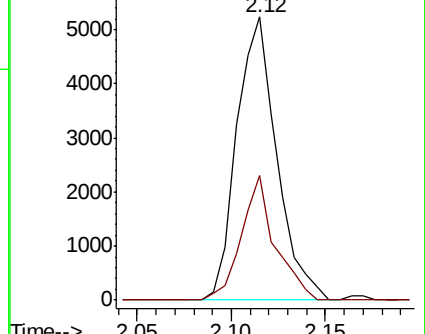
50 100

52 43.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000292.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000292.D (-55) (-)



#10

Methyl Iodide

Concen: 1.304 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000292.D

Acq: 14 Oct 2019 12:20

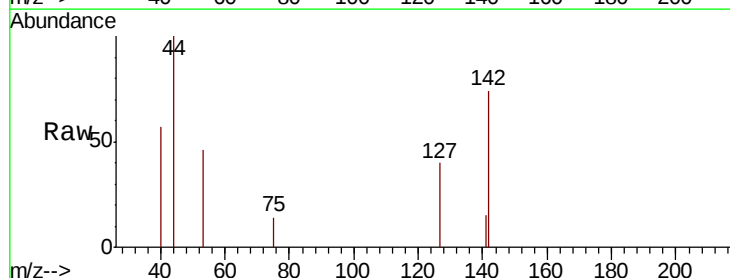
Tgt Ion: 142 Resp: 556

Ion Ratio Lower Upper

142 100

127 39.7 33.9 50.9

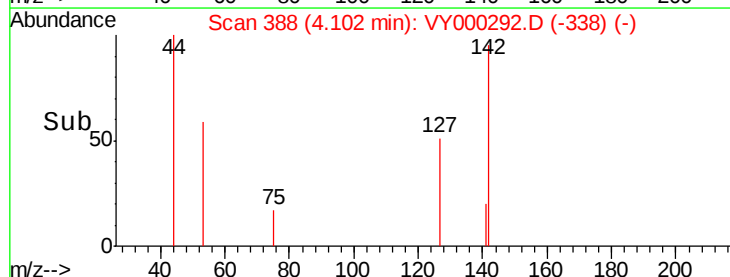
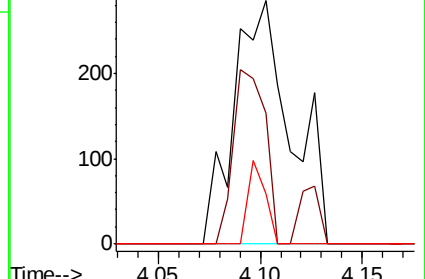
141 10.3 11.2 16.8#

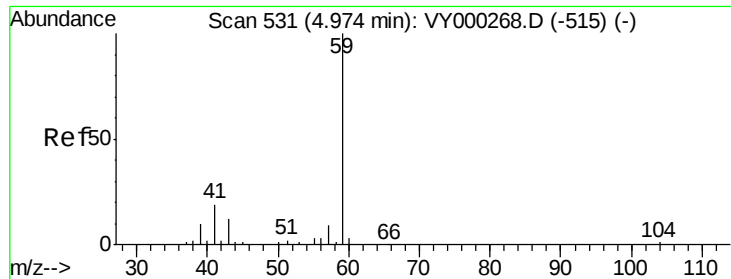


Abundance Ion 141.80 (141.50 to 142.50): VY000292.D (-375) (-)

Ion 126.80 (126.50 to 127.50): VY000292.D (-375) (-)

Ion 140.80 (140.50 to 141.50): VY000292.D (-375) (-)

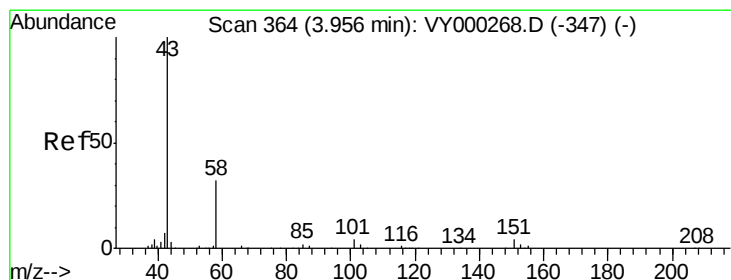
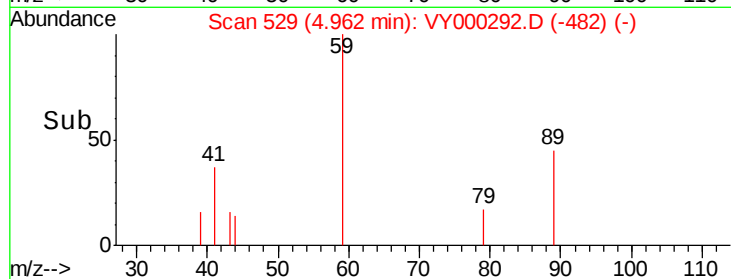
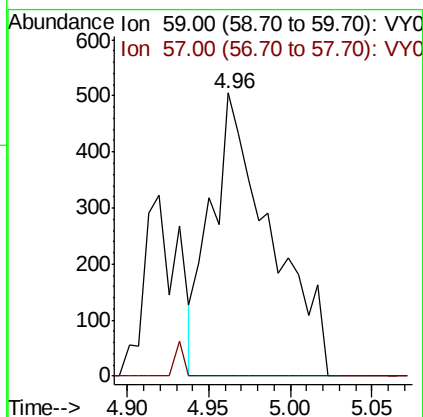
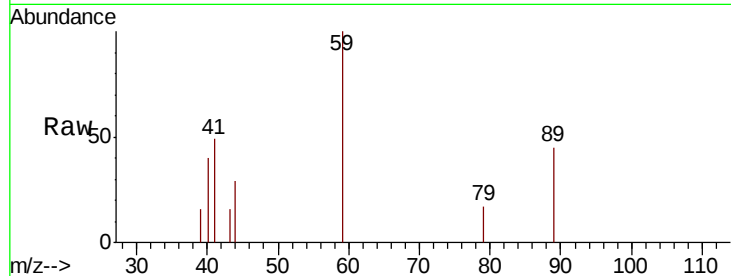




#11
Tert butyl alcohol
Concen: 3.654 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

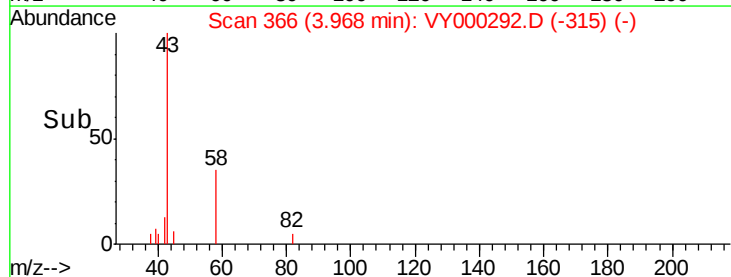
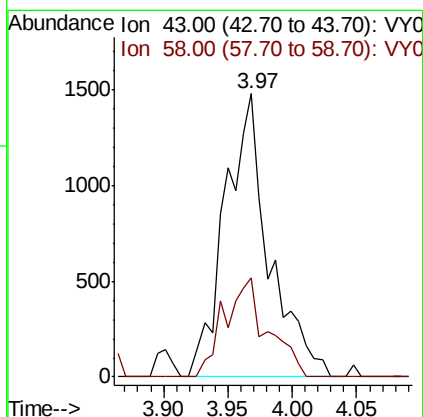
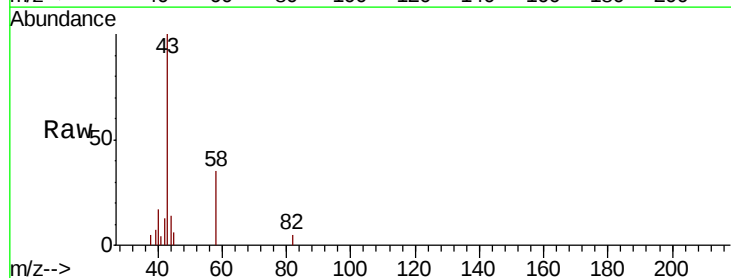
Instrument :
MSVOA_Y
ClientSampled :

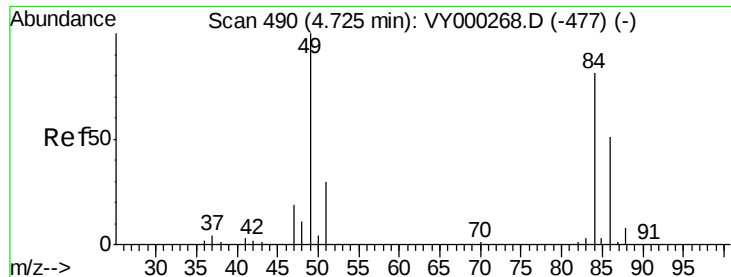
Tot Ion: 59 Resp: 1278
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 3.274 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
58 35.1 25.8 38.6

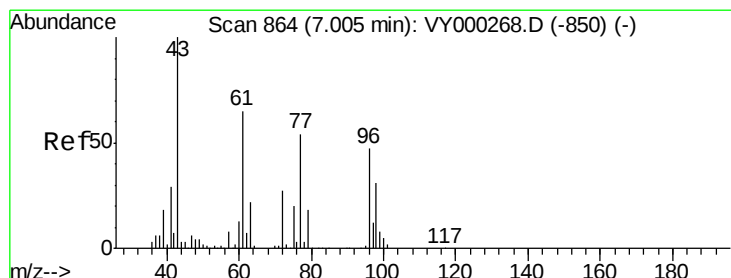
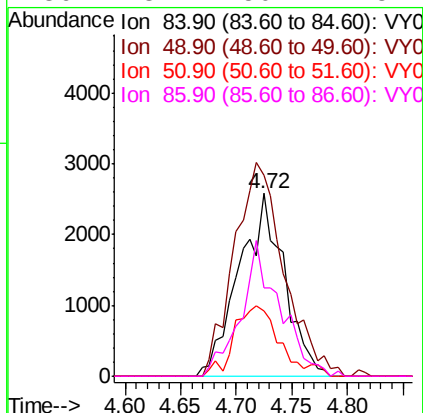
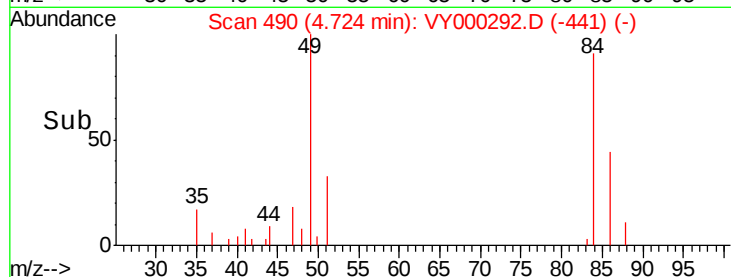
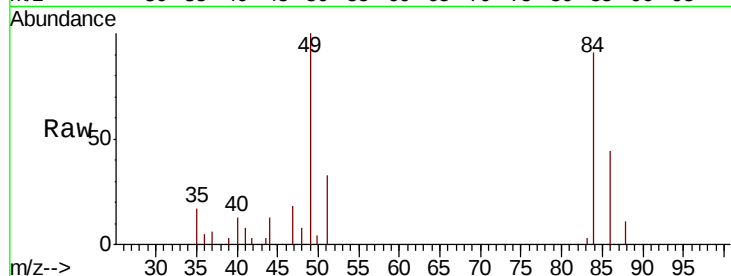




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

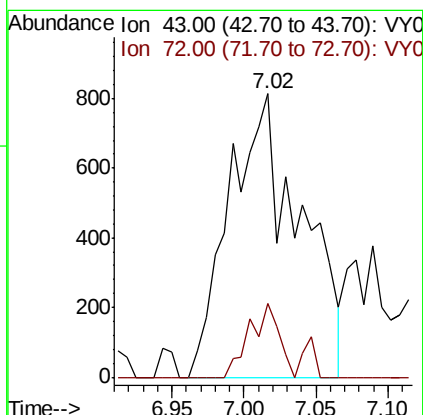
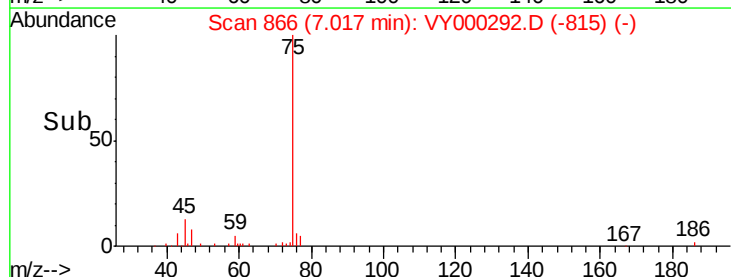
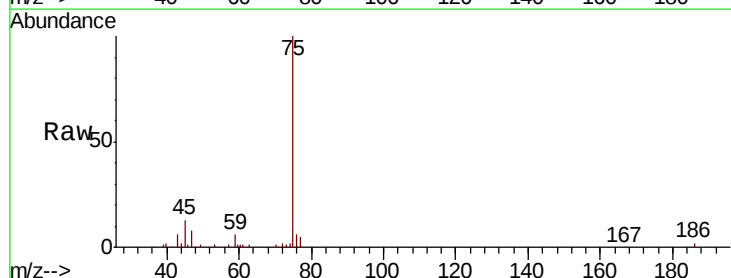
Instrument :
MSVOA_Y
ClientSampleId :

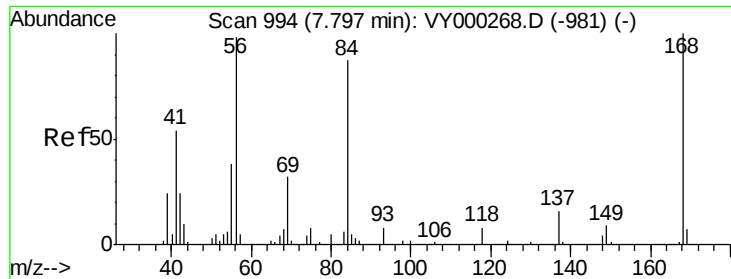
Tot Ion: 84 Resp: 7241
Ion Ratio Lower Upper
84 100
49 110.2 99.0 148.4
51 36.0 29.3 43.9
86 48.2 50.2 75.4#



#25
2-Butanone
Concen: 1.833 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Tgt Ion: 43 Resp: 2794
Ion Ratio Lower Upper
43 100
72 26.1 21.4 32.2

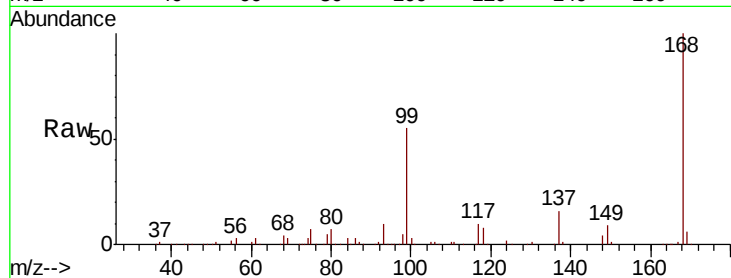




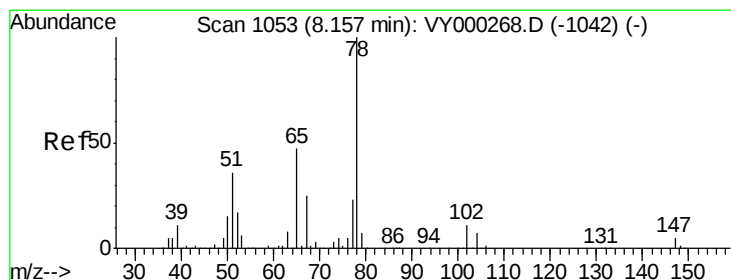
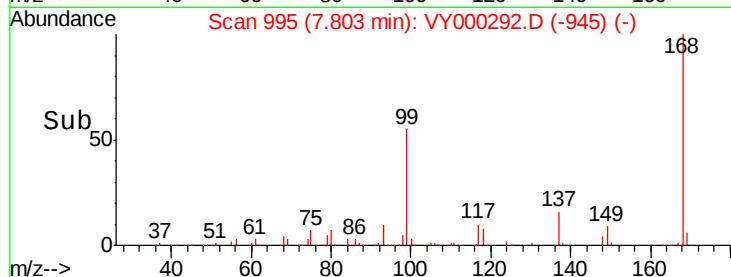
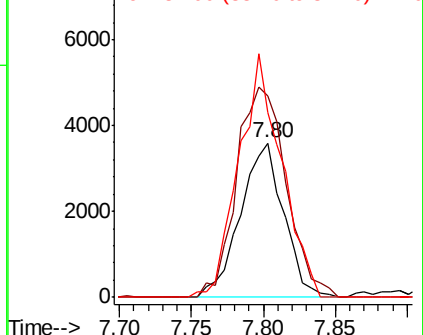
#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 7477
Ion Ratio Lower Upper
56 100
69 130.7 26.3 39.5#
84 119.5 70.8 106.2#

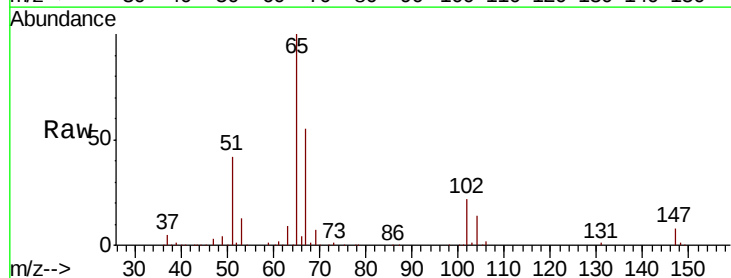


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

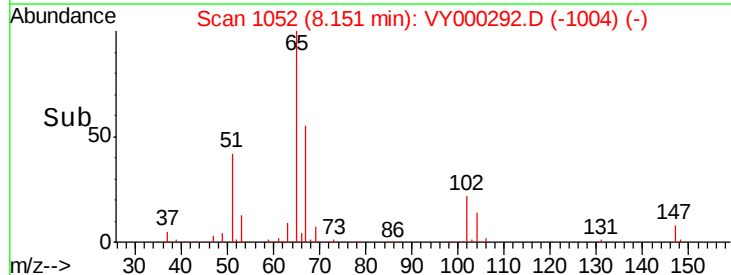
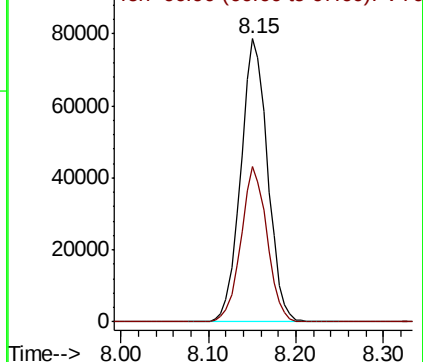


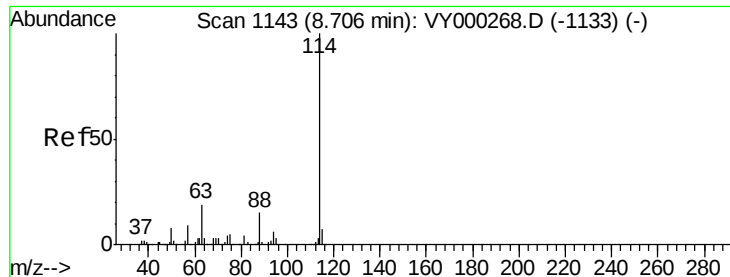
#33
1,2-Dichloroethane-d4
Concen: 50.004 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Tgt Ion: 65 Resp: 167095
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.4



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

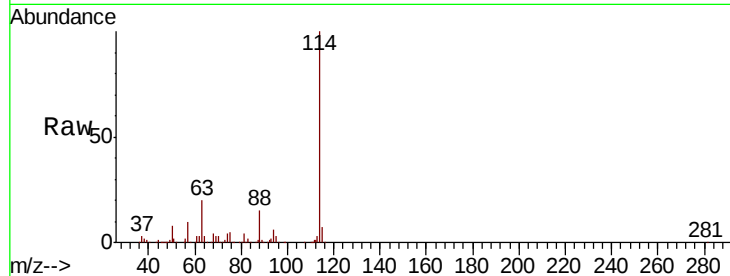




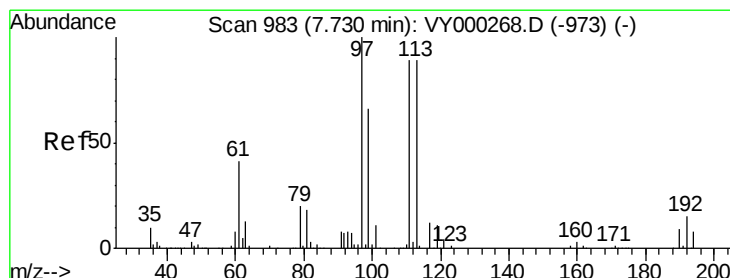
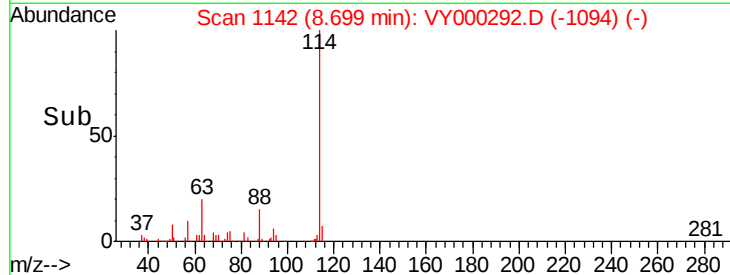
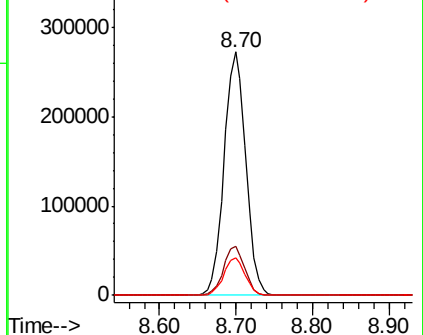
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000292.D
 Acq: 14 Oct 2019 12:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 532799
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.2
 88 15.5 0.0 30.2

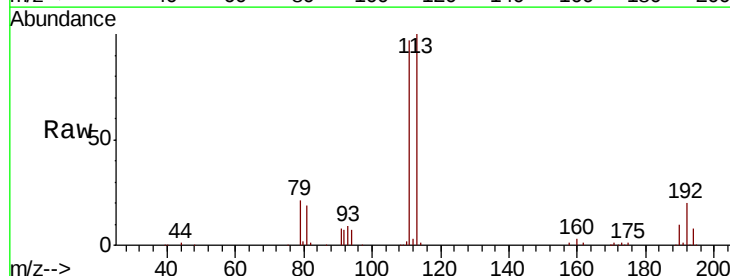


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

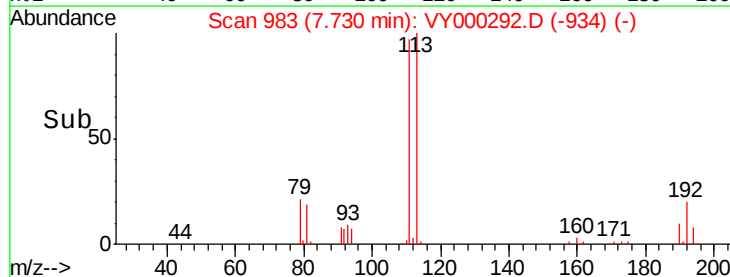
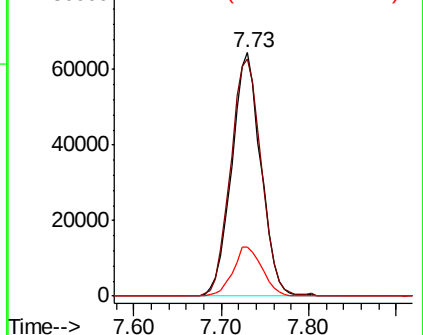


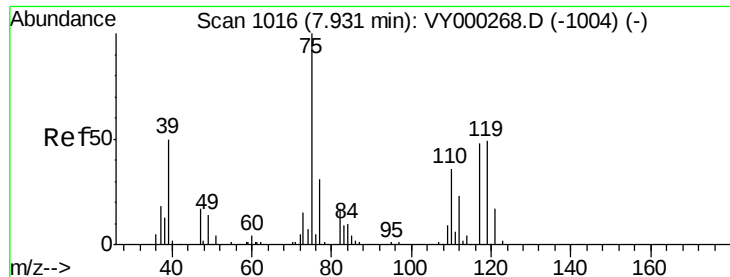
#35
 Dibromofluoromethane
 Concen: 46.530 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000292.D
 Acq: 14 Oct 2019 12:20

Tgt Ion:113 Resp: 149541
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 20.2 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

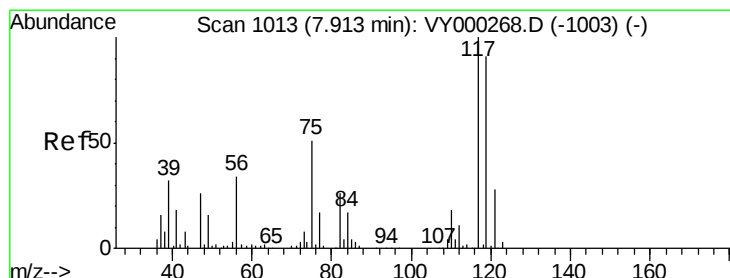
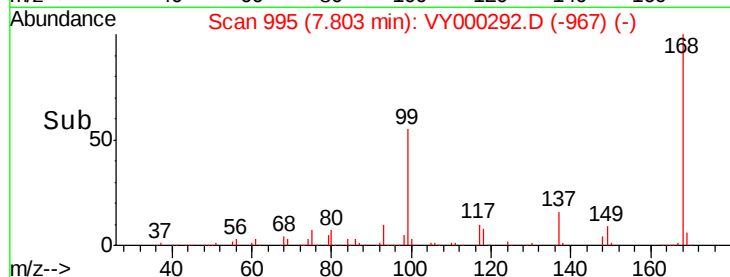
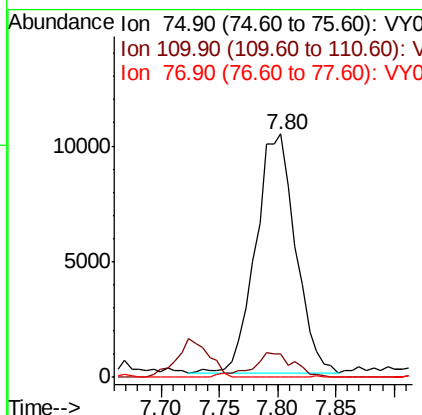
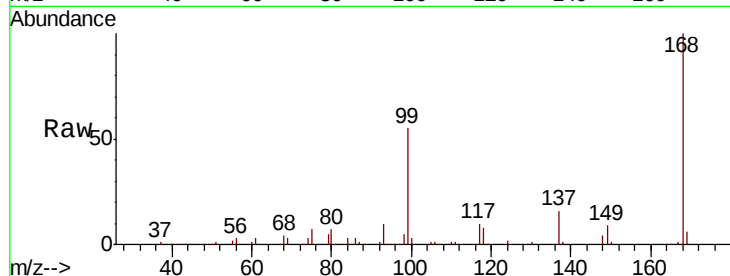




#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000292.D
 Acq: 14 Oct 2019 12:20

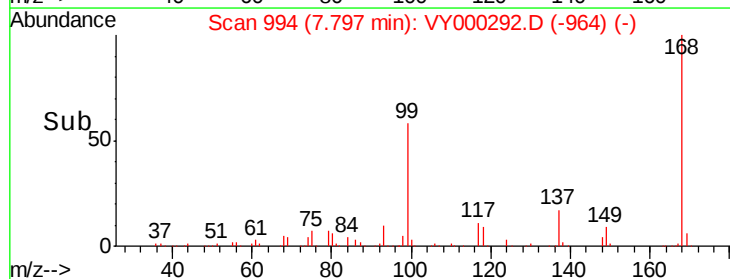
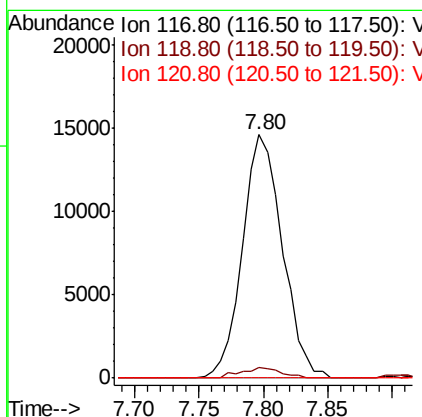
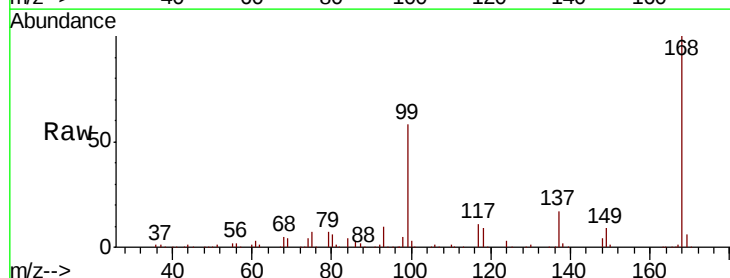
Instrument :
 MSVOA_Y
 ClientSampled :

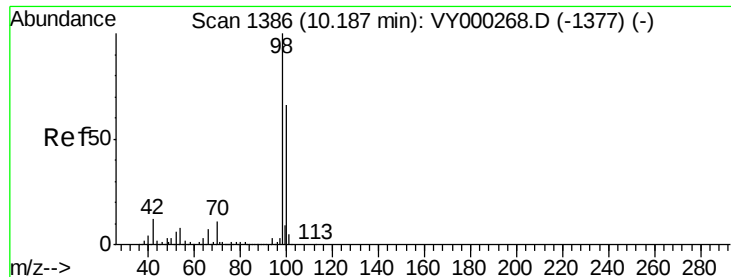
Tot Ion	75	Resp	24716
Ion Ratio	Lower	Upper	
75	100		
110	9.8	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.188 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000292.D
 Acq: 14 Oct 2019 12:20

Tgt Ion	117	Resp	31256
Ion Ratio	Lower	Upper	
117	100		
119	4.6	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.422 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000292.D

Acq: 14 Oct 2019 12:20

Instrument :

MSVOA_Y

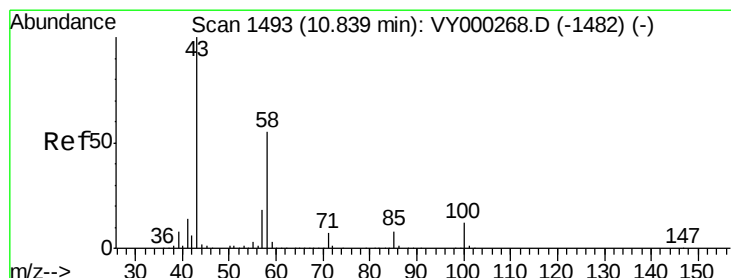
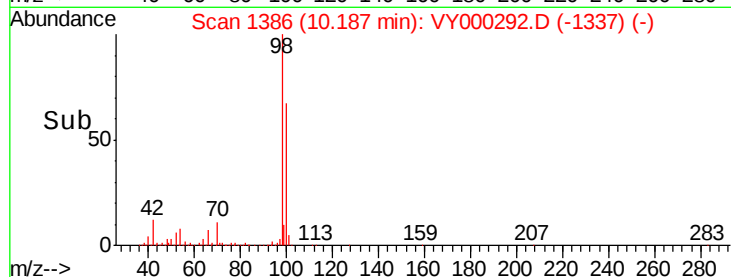
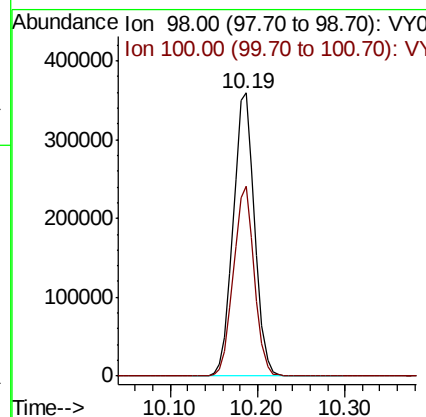
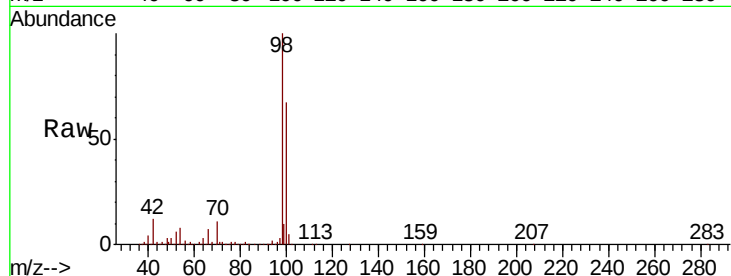
ClientSampleId :

Tot Ion: 98 Resp: 611006

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2



#59

2-Hexanone

Concen: 1.000 ug/l

RT: 10.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VY000292.D

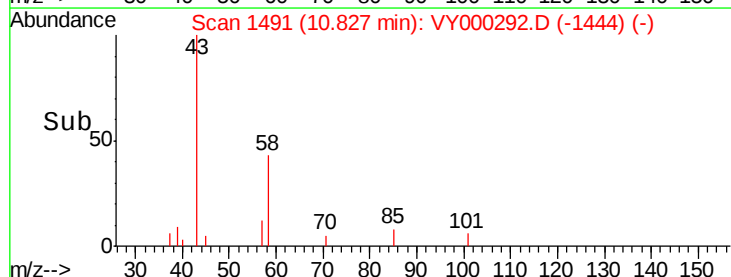
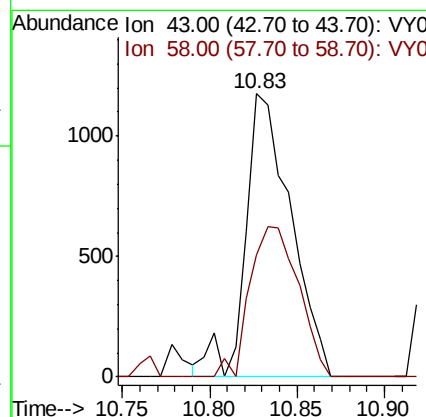
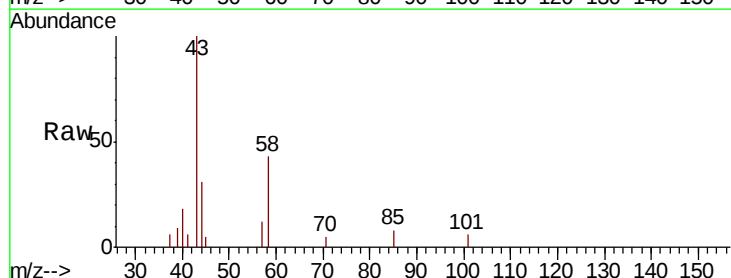
Acq: 14 Oct 2019 12:20

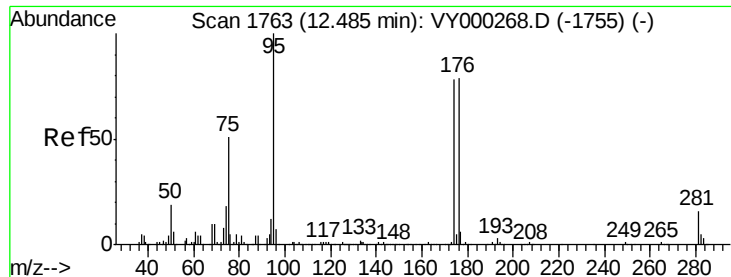
Tgt Ion: 43 Resp: 2127

Ion Ratio Lower Upper

43 100

58 56.8 27.7 83.1

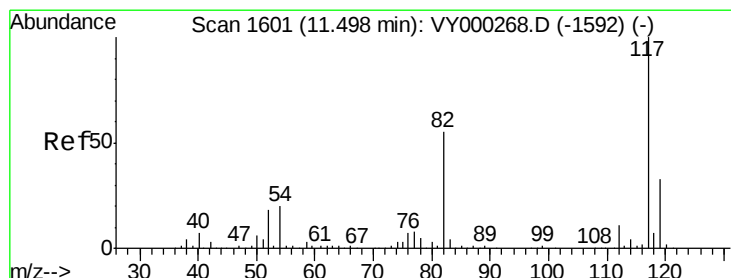
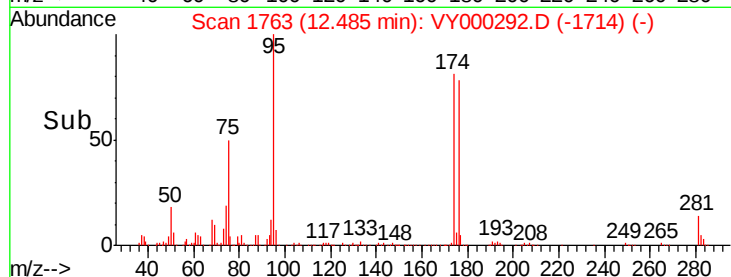
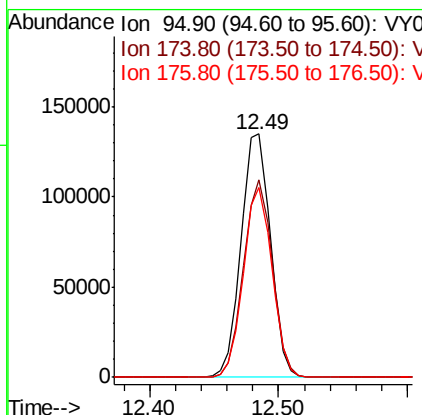
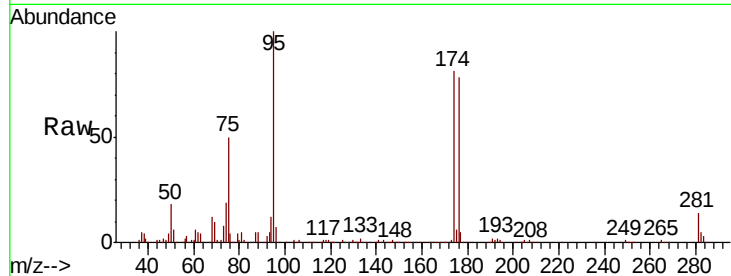




#62
4-Bromofluorobenzene
Concen: 45.322 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

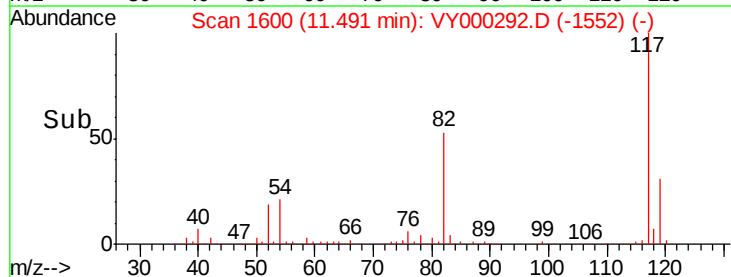
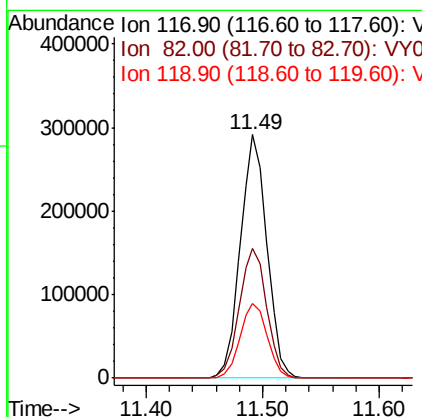
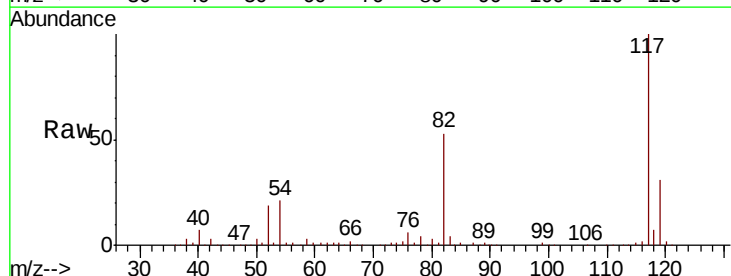
Instrument :
MSVOA_Y
ClientSampleId :

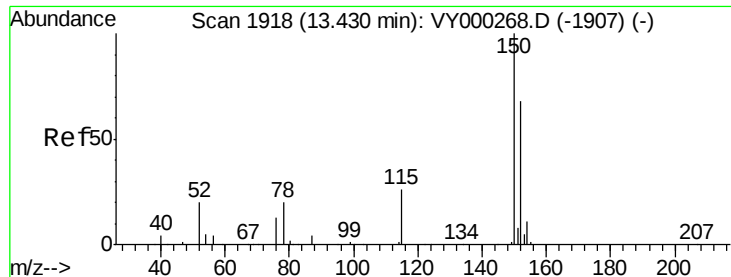
Tot Ion: 95 Resp: 212868
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.6
176 75.9 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Tgt Ion: 117 Resp: 463178
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 30.7 26.6 39.8



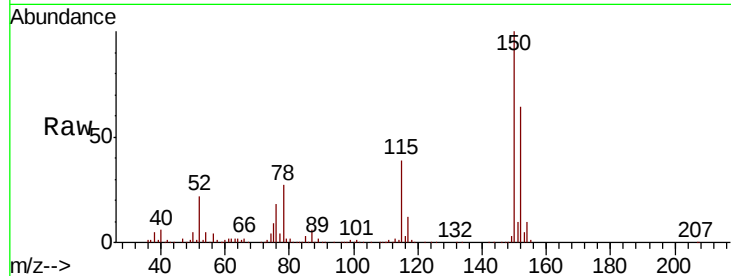


#72

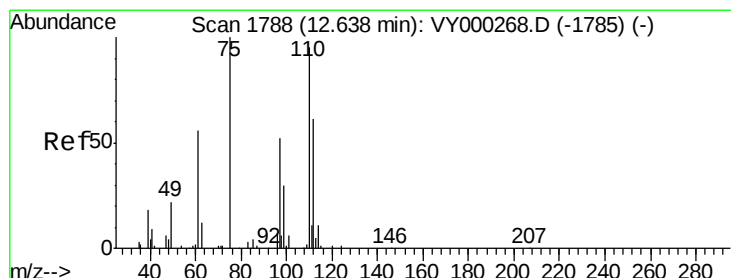
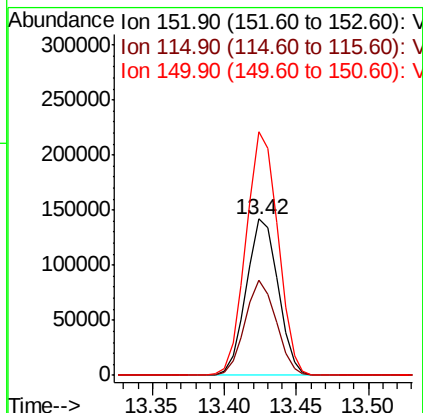
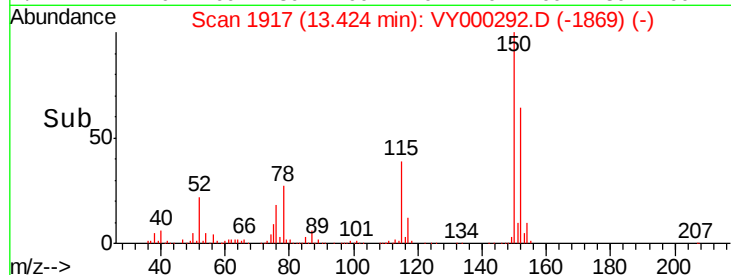
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	156.9	0.0	348.4



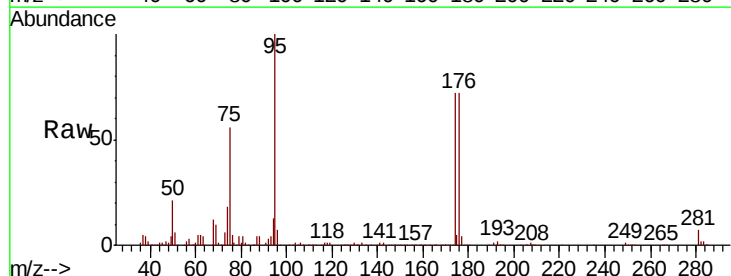
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



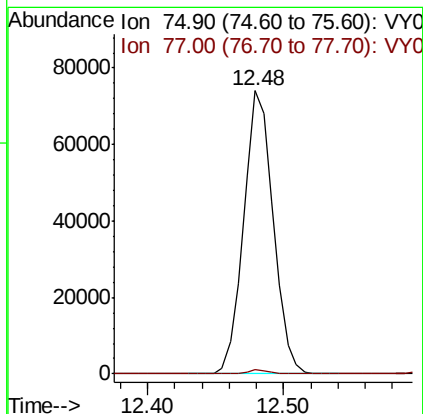
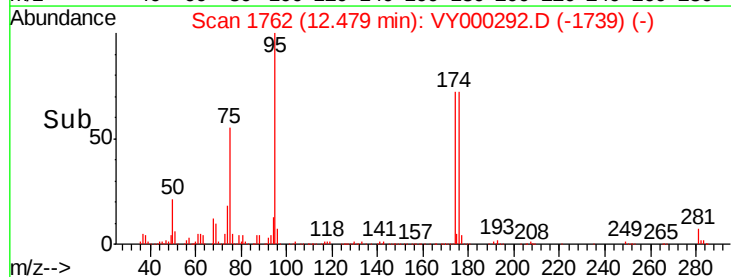
#76

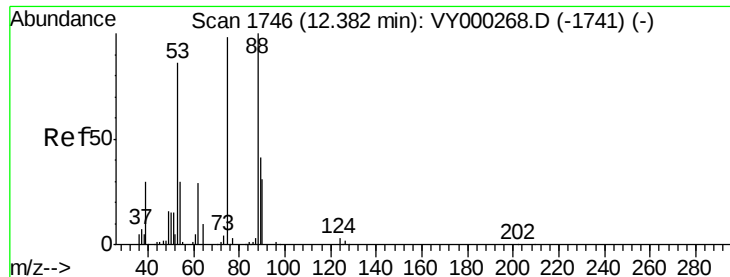
1,2,3-Trichloropropane
Concen: 42.098 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000292.D
Acq: 14 Oct 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 92.108 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000292.D

Acq: 14 Oct 2019 12:20

Instrument :

MSVOA_Y

ClientSampleId :

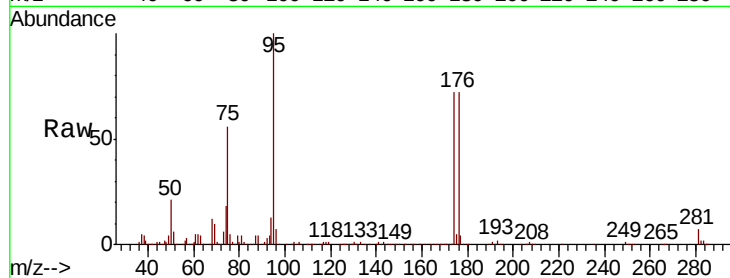
Tot Ion: 75 Resp: 112237

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

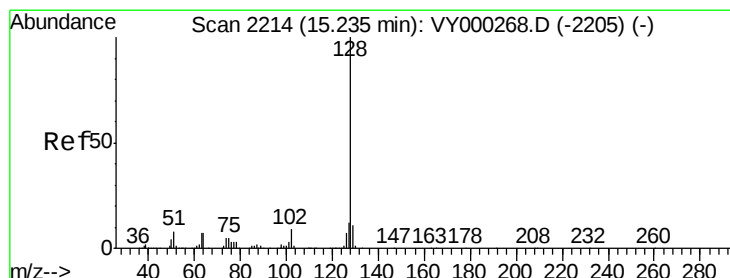
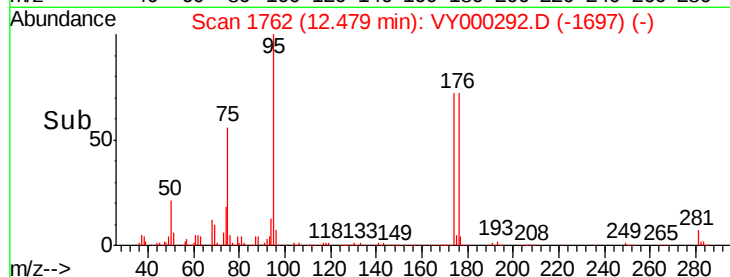
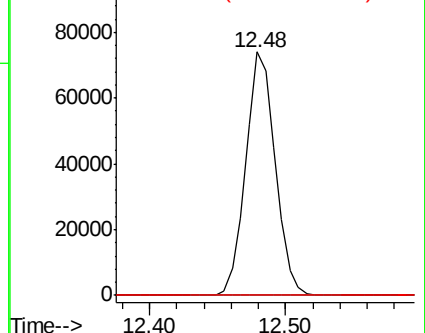
89 0.0 35.1 52.7#



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: 1.880 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY000292.D

Acq: 14 Oct 2019 12:20

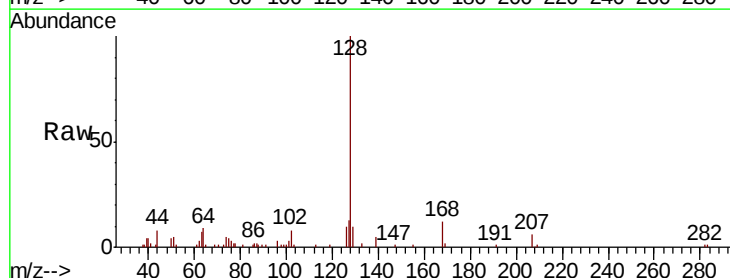
Tgt Ion: 128 Resp: 19594

Ion Ratio Lower Upper

128 100

127 14.1 9.6 14.4

129 12.2 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

