

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000827.D
 Acq On : 27 Nov 2019 18:15
 Operator : SY/MD
 Sample : K6069-03RE
 Misc : 7.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 22:10:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	252812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	481144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	158068	58.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.68%	
35) Dibromofluoromethane	7.73	113	138799	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.18	98	573647	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.48	95	171599	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

Target Compounds

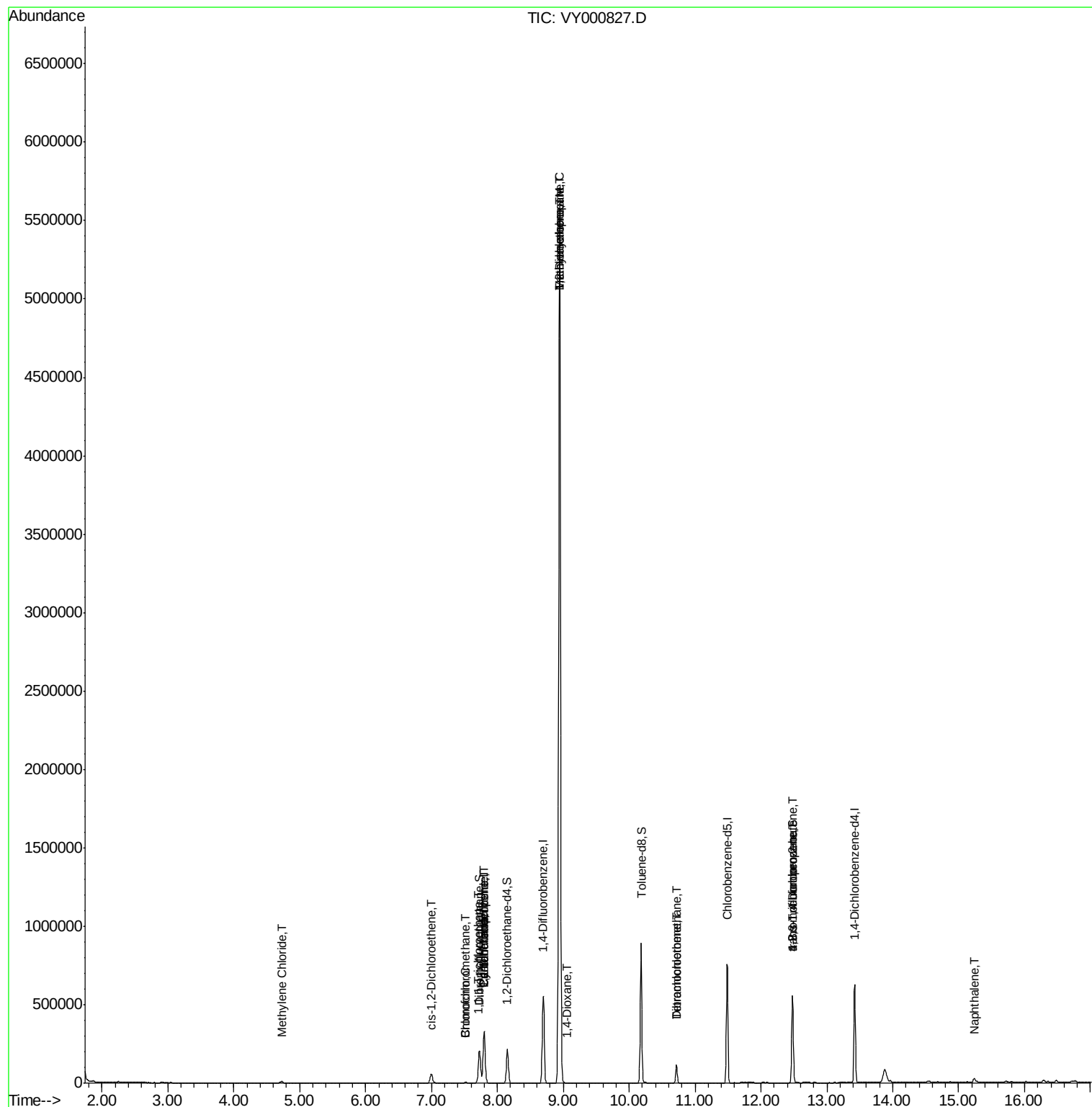
					Qvalue
5) Bromomethane	2.66	94	271	Below Cal	# 11
20) Methylene Chloride	4.72	84	7287	2.243	ug/l # 96
27) cis-1,2-Dichloroethene	7.00	96	34107	10.015	ug/l # 90
28) Bromochloromethane	7.52	49	394	2.207	ug/l # 15
30) Chloroform	7.52	83	5551	1.028	ug/l # 95
31) Cyclohexane	7.79	56	5788	1.015	ug/l # 1
32) 1,1,1-Trichloroethane	7.71	97	9932	2.227	ug/l # 98
36) 1,1-Dichloropropene	7.80	75	20811	4.350	ug/l # 49
38) Carbon Tetrachloride	7.80	117	25100	5.891	ug/l # 13
39) Methylcyclohexane	8.94	83	25418	4.010	ug/l # 1
44) Trichloroethene	8.94	130	1927053	538.093	ug/l # 97
45) 1,2-Dichloropropane	8.95	63	4627	1.322	ug/l # 1
49) 1,4-Dioxane	9.07	88	62	2.393	ug/l # 1
60) Dibromochloromethane	10.72	129	22358	7.687	ug/l # 10
64) Tetrachloroethene	10.72	164	25015	7.073	ug/l # 89
76) 1,2,3-Trichloropropane	12.48	75	89412	52.086	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	89412	102.312	ug/l # 18
95) Naphthalene	15.23	128	11828	1.631	ug/l # 90

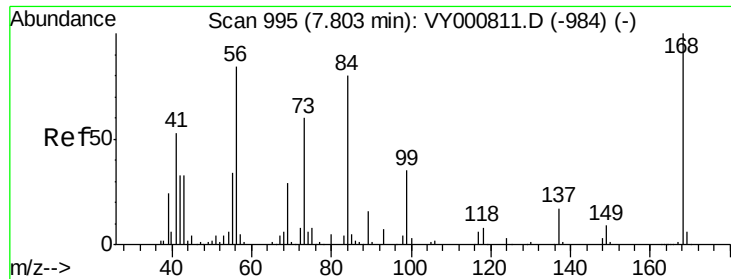
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000827.D

Acq: 27 Nov 2019 18:15

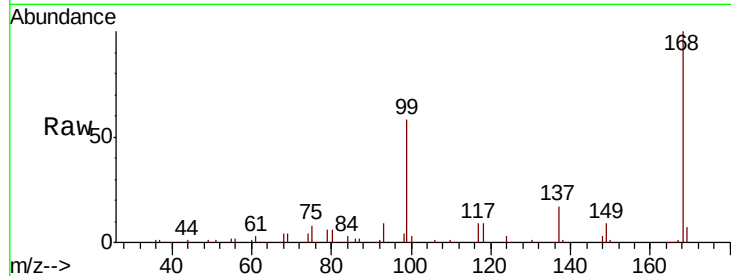
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 252812

Ion Ratio Lower Upper

168 100

99 58.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

120000

100000

80000

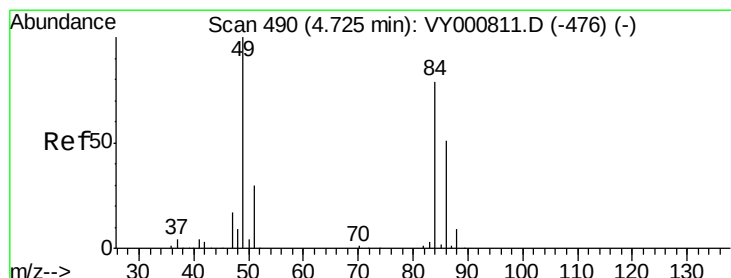
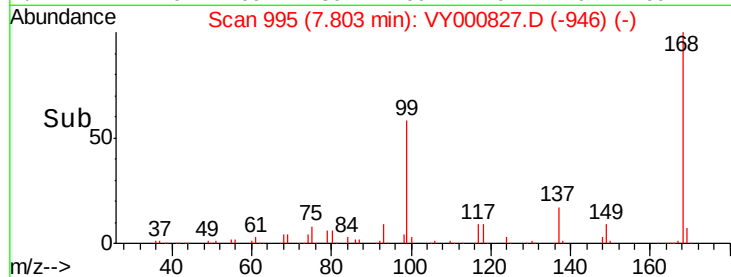
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 2.243 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

Tgt Ion: 84 Resp: 7287

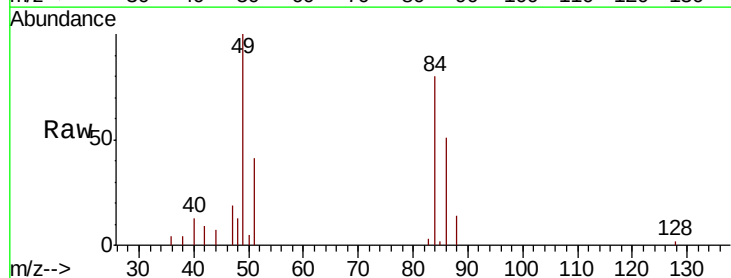
Ion Ratio Lower Upper

84 100

49 125.1 101.3 151.9

51 51.1 30.6 45.8#

86 63.7 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY000811.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY000811.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY000811.D (-476) (-)

4000

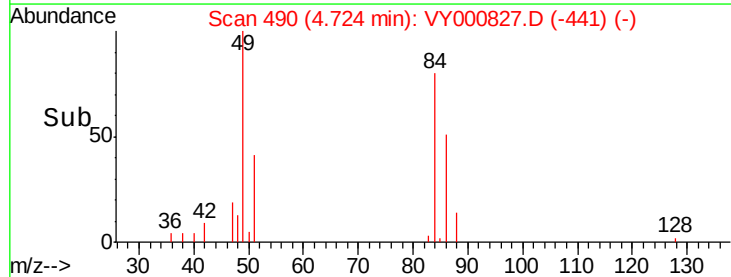
3000

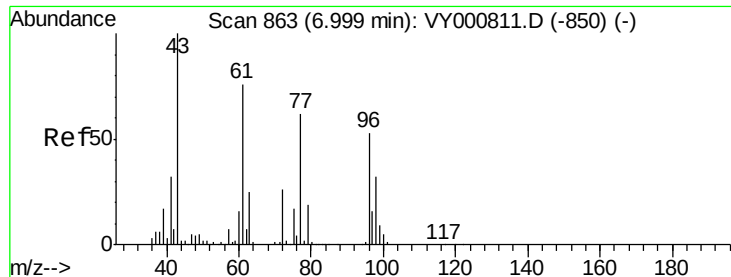
2000

1000

0

Time-->



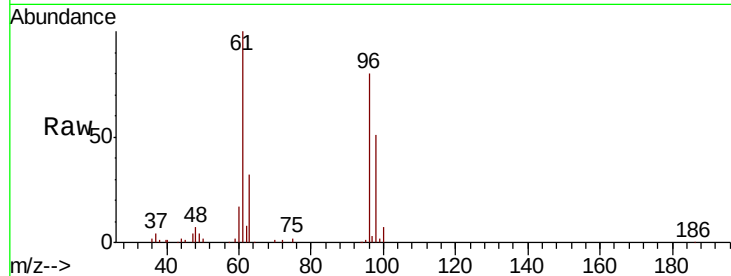


#27

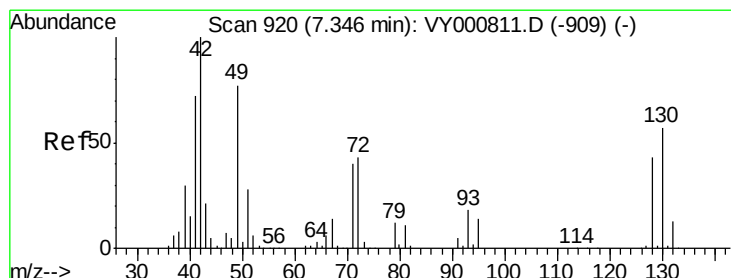
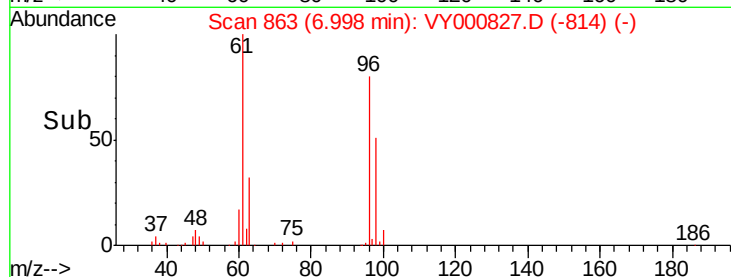
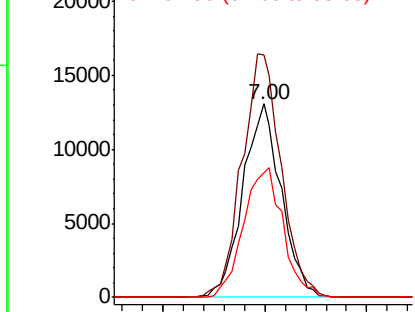
cis-1,2-Dichloroethene
Concen: 10.015 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000827.D
Acq: 27 Nov 2019 18:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 34107
Ion Ratio Lower Upper
96 100
61 128.5 0.0 285.0
98 68.9 0.0 128.0



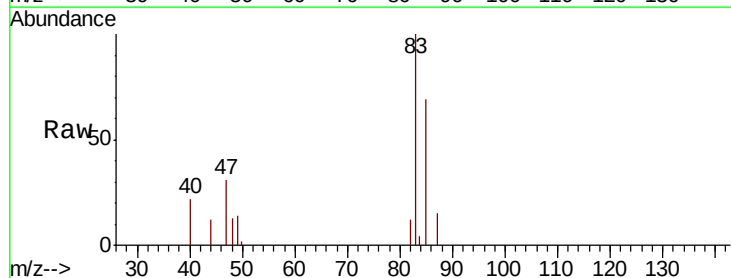
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



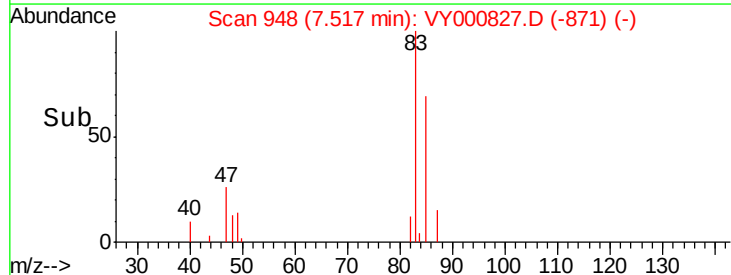
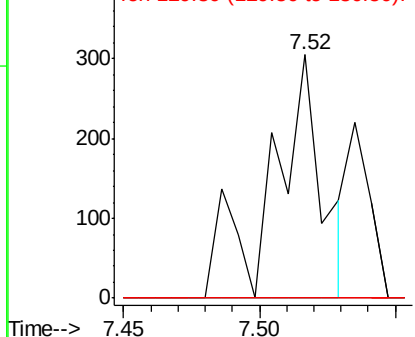
#28

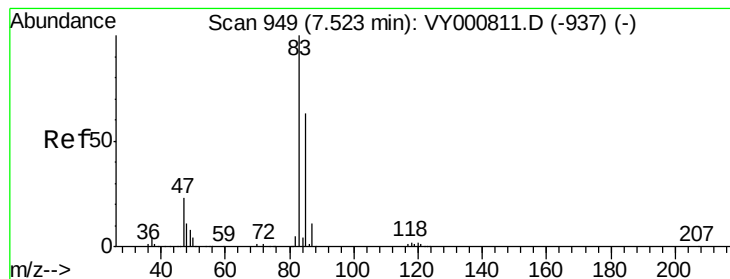
Bromochloromethane
Concen: 2.207 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.17 min
Lab File: VY000827.D
Acq: 27 Nov 2019 18:15

Tgt Ion: 49 Resp: 394
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#30

Chloroform

Concen: 1.028 ug/l

RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

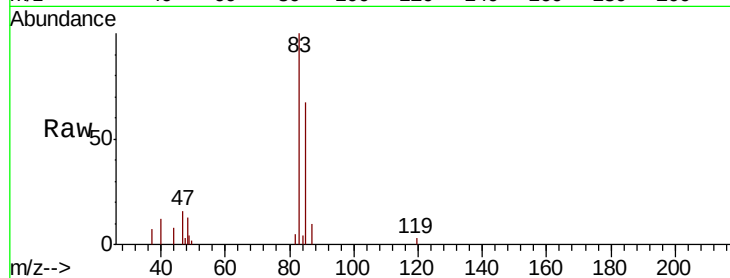
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 5551

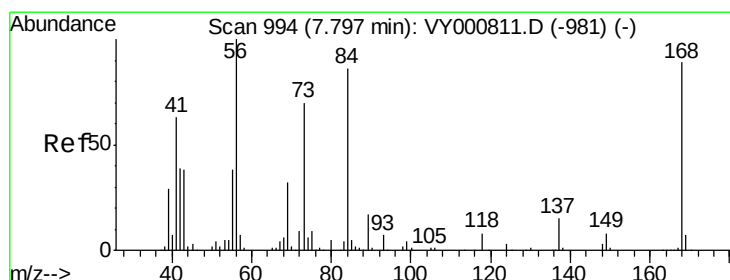
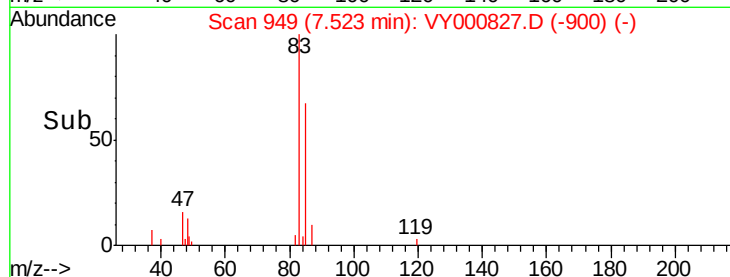
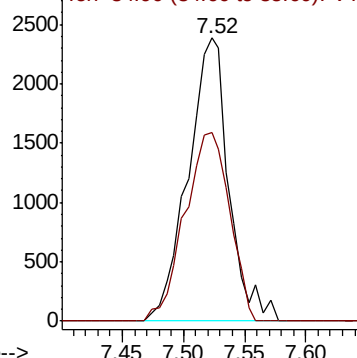
Ion Ratio Lower Upper

83 100

85 66.7 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

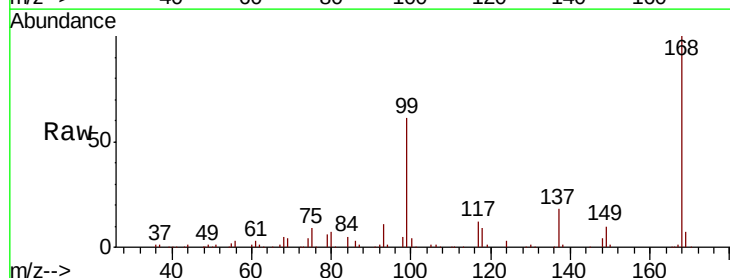
Tgt Ion: 56 Resp: 5788

Ion Ratio Lower Upper

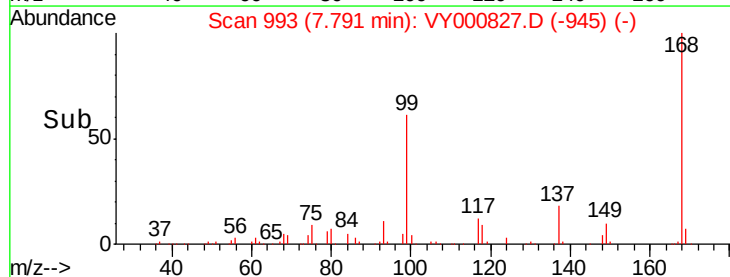
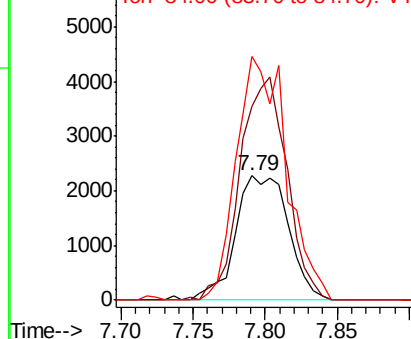
56 100

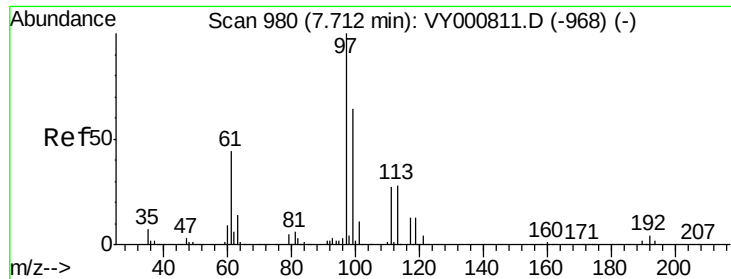
69 156.6 25.9 38.9#

84 196.3 68.6 102.8#



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





#32

1,1,1-Trichloroethane

Concen: 2.227 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

Instrument :

MSVOA_Y

ClientSampleId :

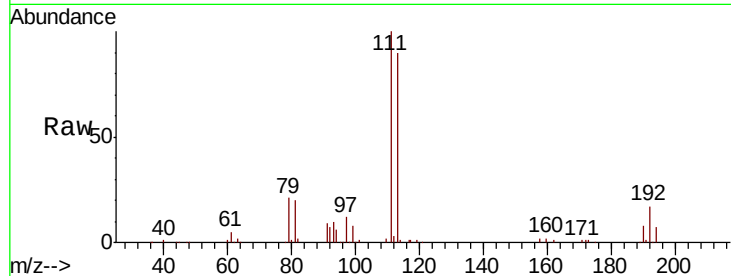
Tot Ion: 97 Resp: 9932

Ion Ratio Lower Upper

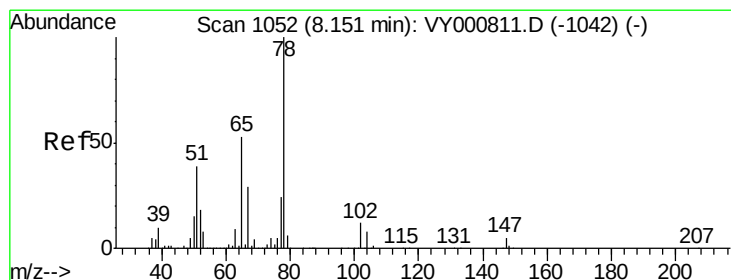
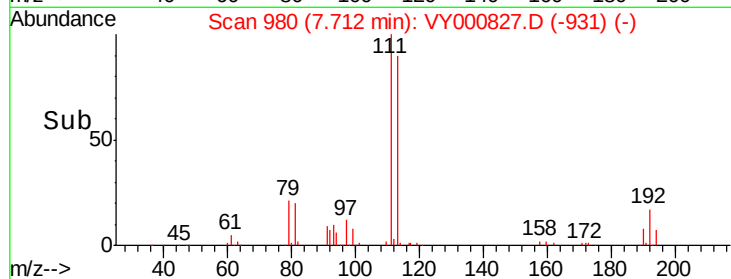
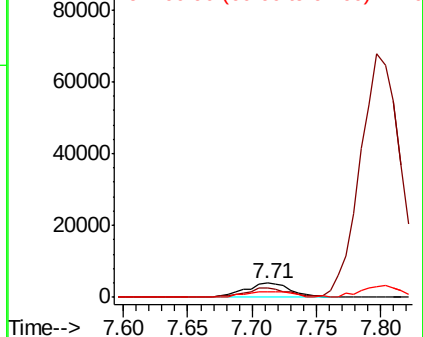
97 100

99 62.3 51.7 77.5

61 44.4 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 58.841 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000827.D

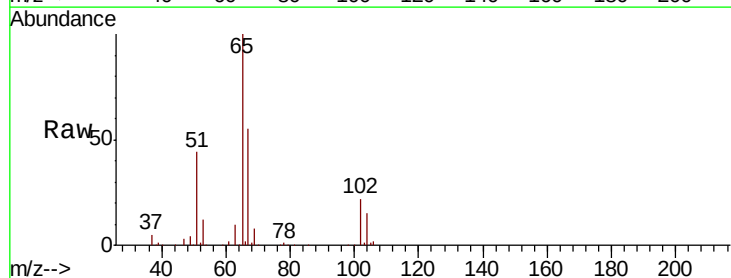
Acq: 27 Nov 2019 18:15

Tgt Ion: 65 Resp: 158068

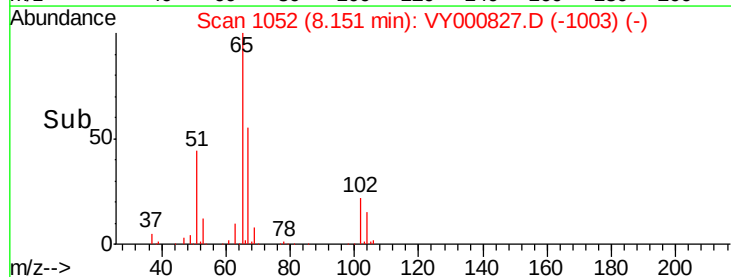
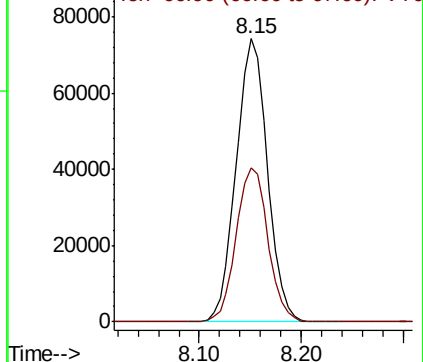
Ion Ratio Lower Upper

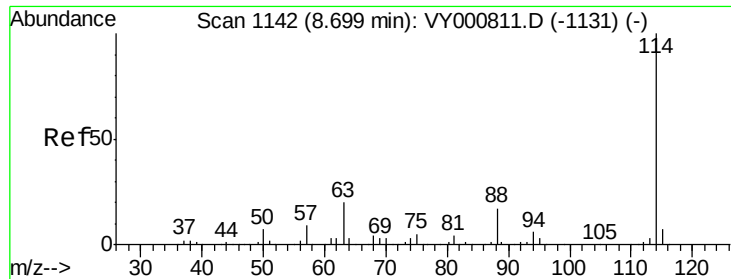
65 100

67 55.2 0.0 112.0



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

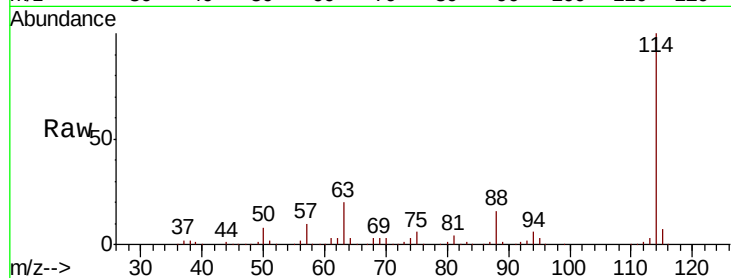




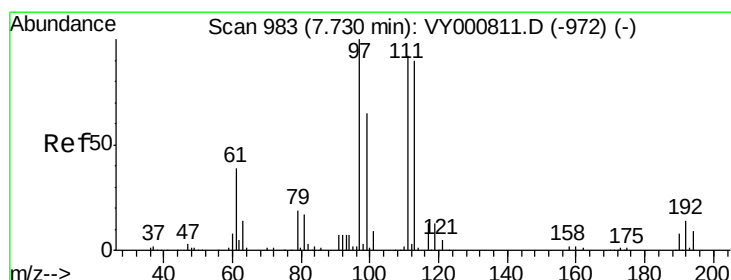
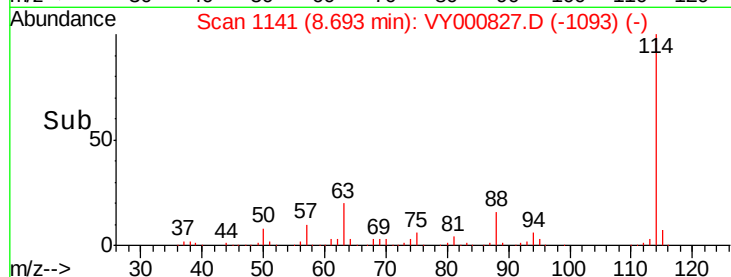
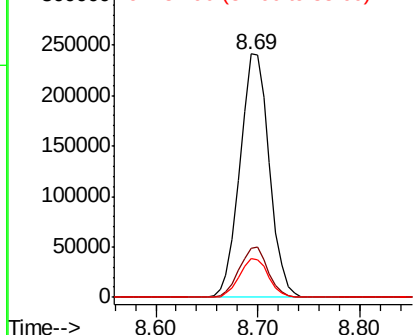
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000827.D
 Acq: 27 Nov 2019 18:15

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.8
88	16.0	0.0	33.2

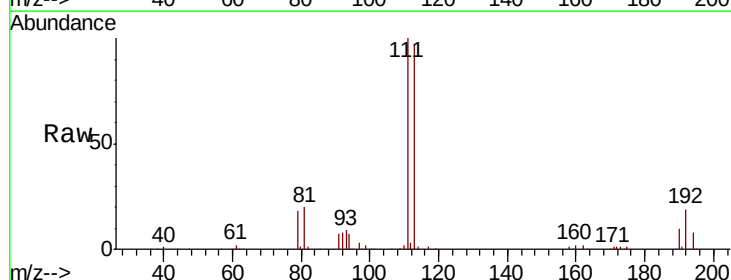


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

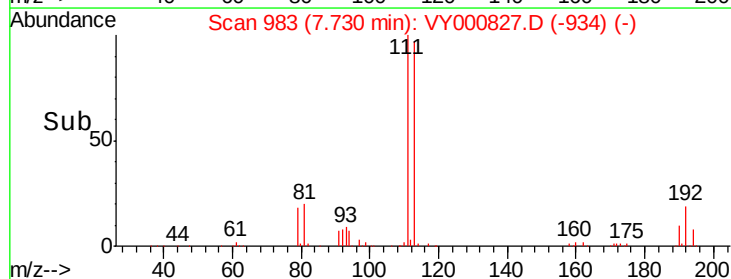
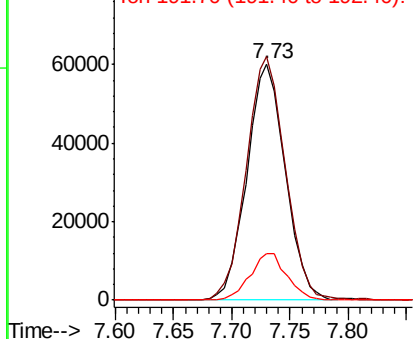


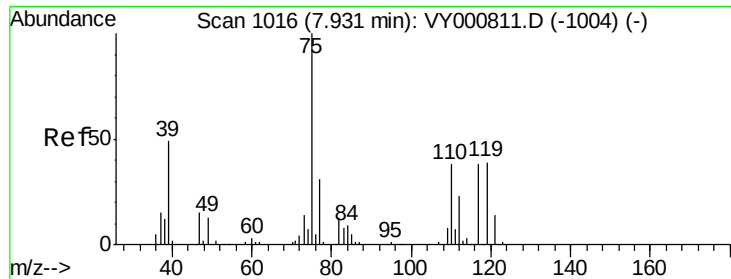
#35
 Dibromofluoromethane
 Concen: 49.499 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000827.D
 Acq: 27 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.4	123.6
192	19.0	14.2	21.2



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

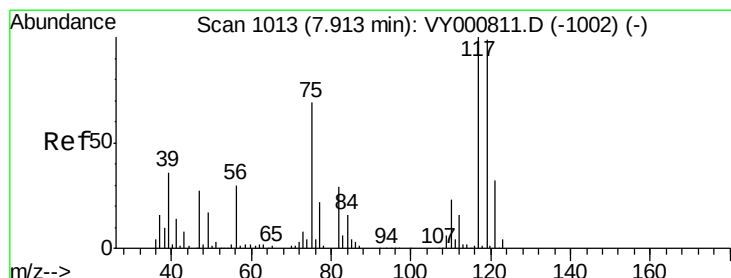
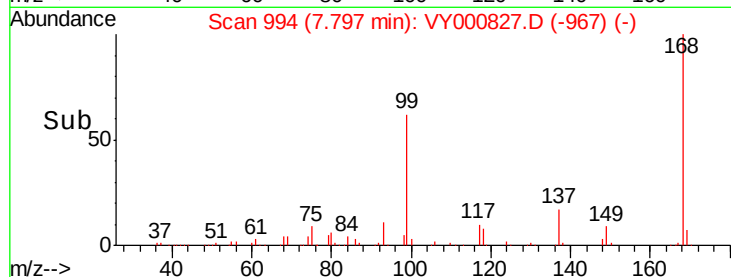
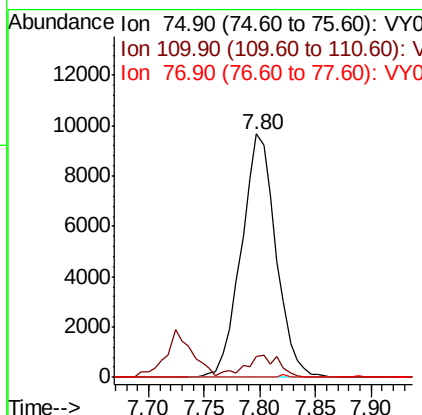
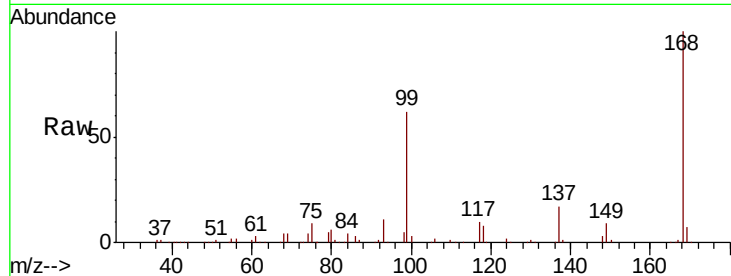




#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000827.D
 Acq: 27 Nov 2019 18:15

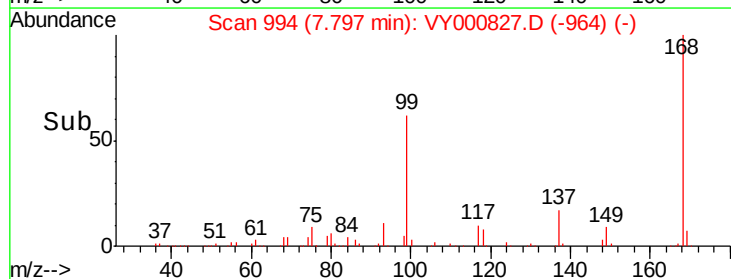
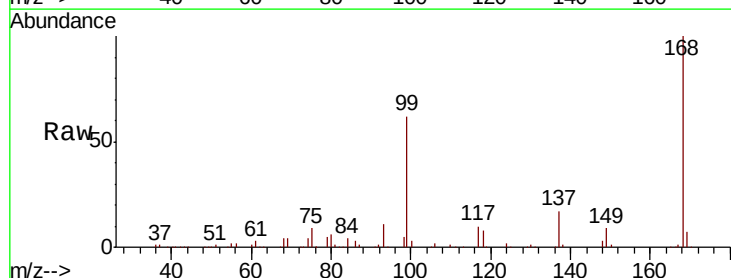
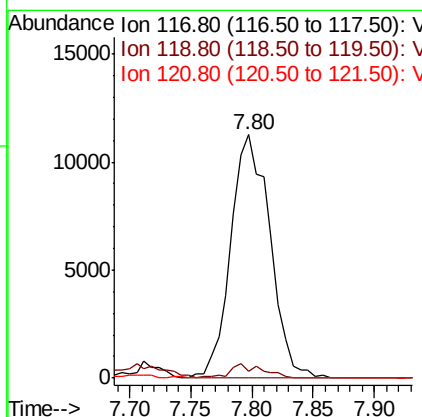
Instrument :
 MSVOA_Y
 ClientSampleId :

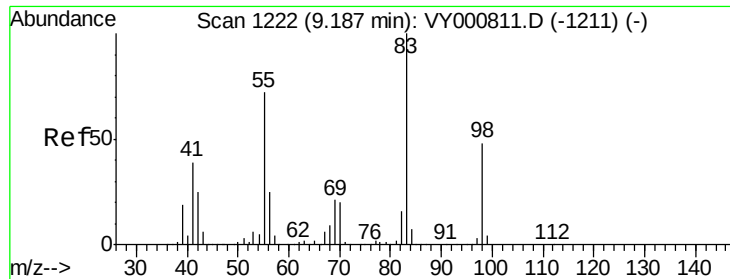
Tot Ion	75	Resp	20811
Ion Ratio	Lower	Upper	
75	100		
110	8.9	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.891 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000827.D
 Acq: 27 Nov 2019 18:15

Tgt Ion	117	Resp	25100
Ion Ratio	Lower	Upper	
117	100		
119	2.9	79.3	118.9#
121	0.0	25.5	38.3#

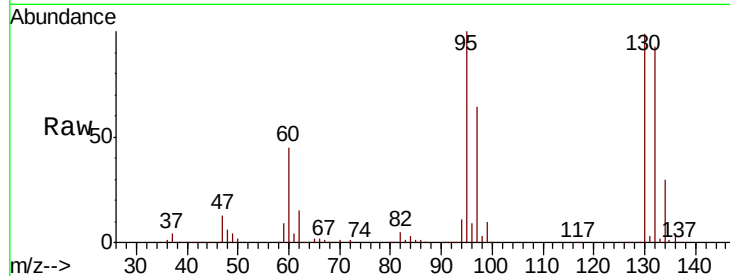




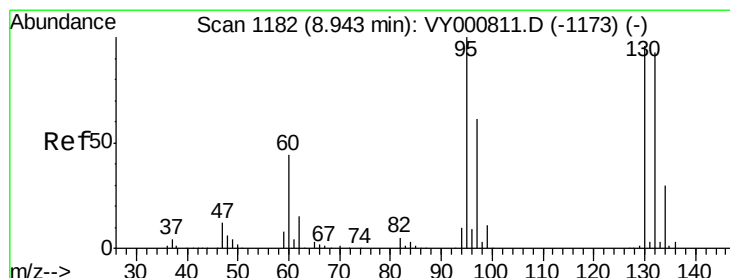
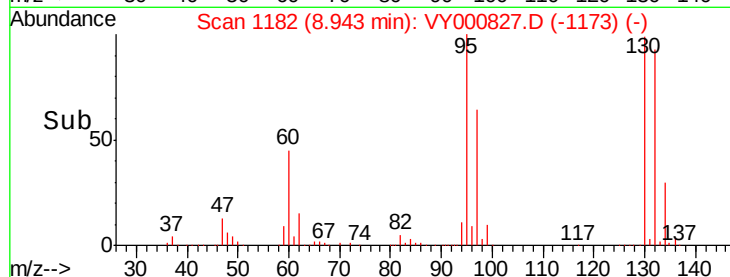
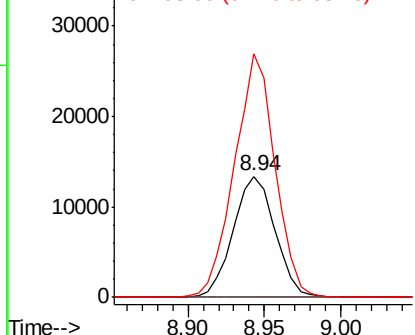
#39
Methylvlcyclohexane
Concen: 4.010 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.24 min
Lab File: VY000827.D
Acq: 27 Nov 2019 18:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 25418
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 201.6 38.6 58.0#

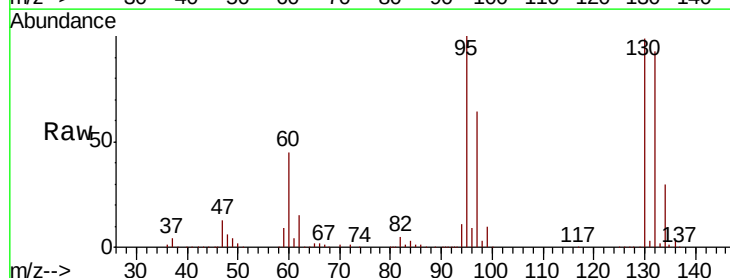


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

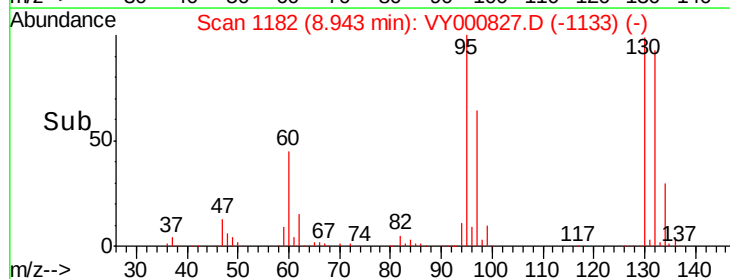
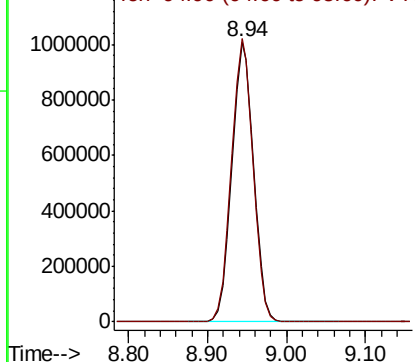


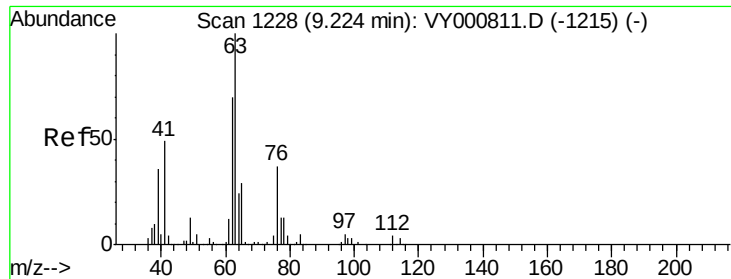
#44
Trichloroethene
Concen: 538.093 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000827.D
Acq: 27 Nov 2019 18:15

Tgt Ion:130 Resp: 1927053
Ion Ratio Lower Upper
130 100
95 101.1 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0

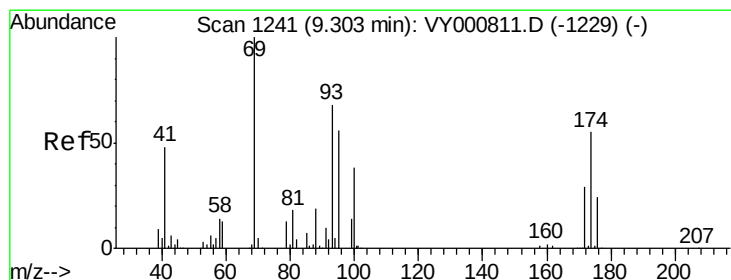
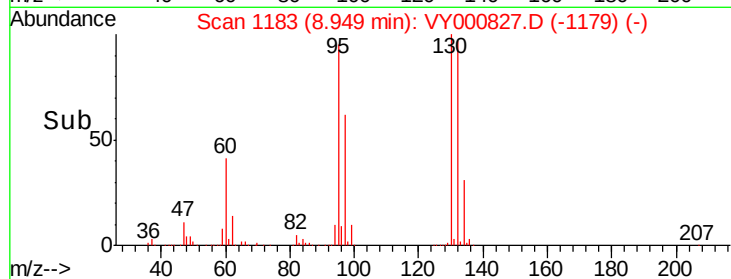
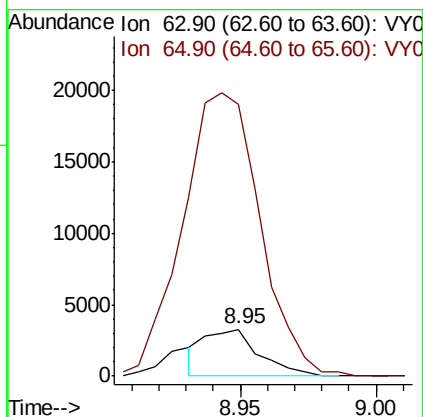
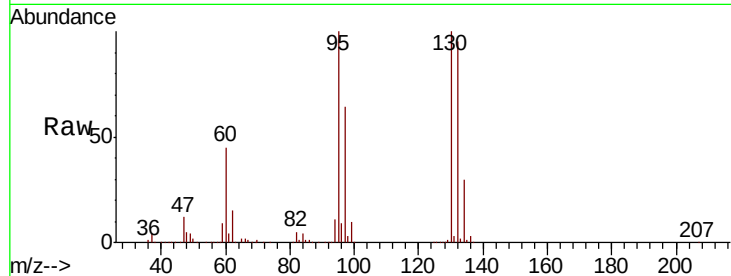




#45
 1,2-Dichloropropane
 Concen: 1.322 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. -0.27 min
 Lab File: VY000827.D
 Acq: 27 Nov 2019 18:15

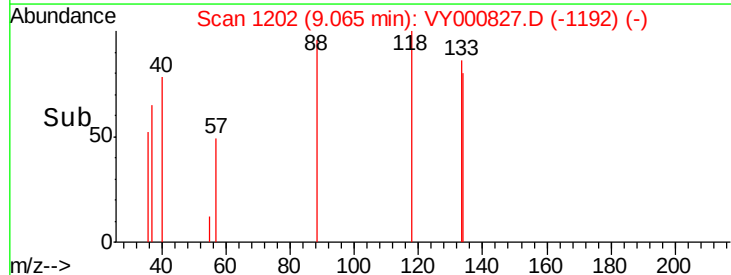
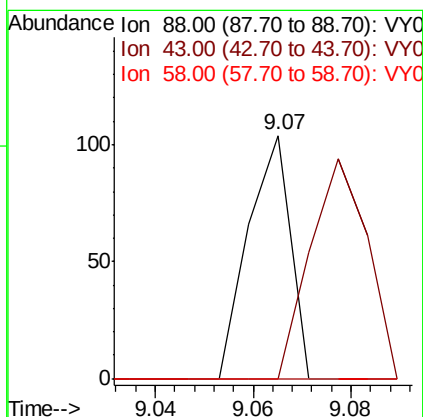
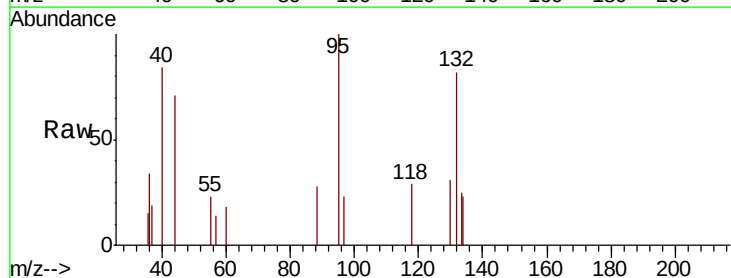
Instrument :
 MSVOA_Y
 ClientSampleId :

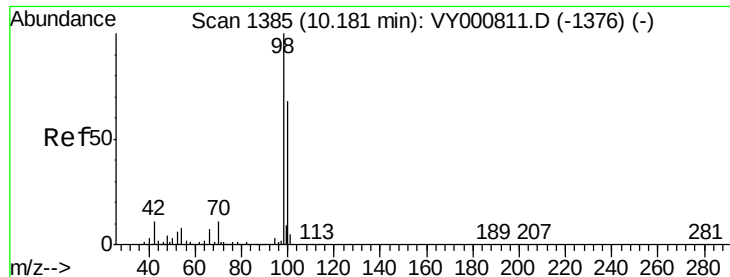
Tot Ion: 63 Resp: 4627
 Ion Ratio Lower Upper
 63 100
 65 568.3 23.2 34.8#



#49
 1,4-Dioxane
 Concen: 2.393 ug/l
 RT: 9.07 min Scan# 1202
 Delta R.T. -0.24 min
 Lab File: VY000827.D
 Acq: 27 Nov 2019 18:15

Tgt Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 122.6 21.1 31.7#
 58 0.0 50.7 76.1#





#50

Toluene-d8

Concen: 51.170 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

Instrument :

MSVOA_Y

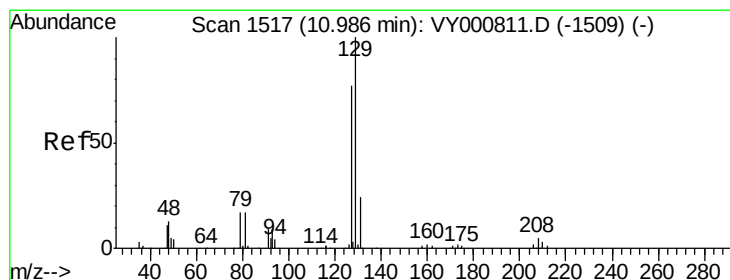
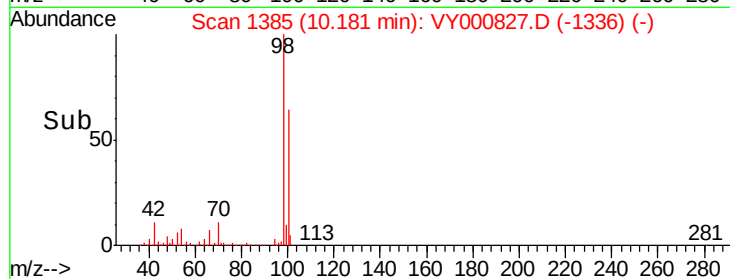
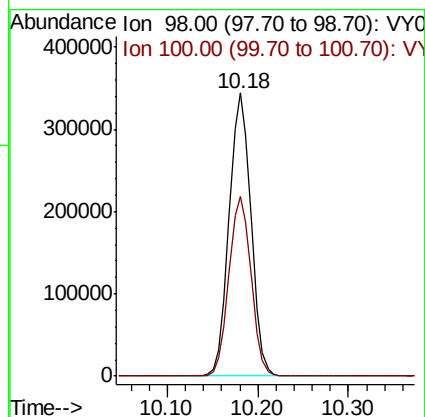
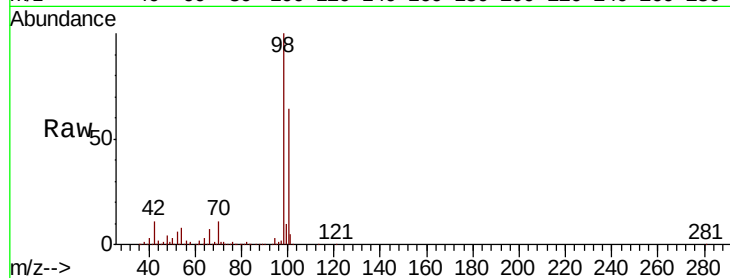
ClientSampleId :

Tot Ion: 98 Resp: 573647

Ion Ratio Lower Upper

98 100

100 64.3 53.1 79.7



#60

Dibromochloromethane

Concen: 7.687 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY000827.D

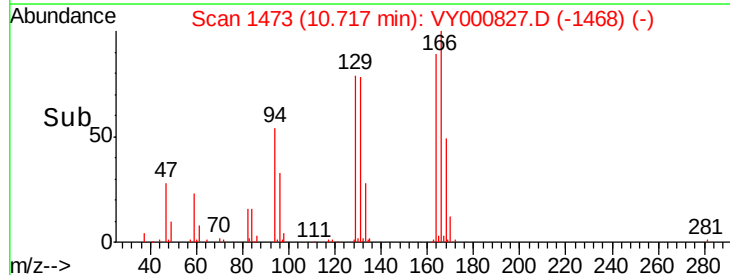
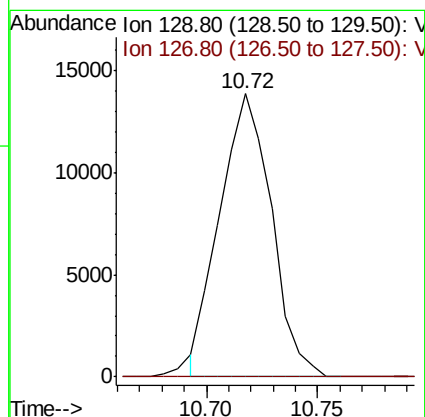
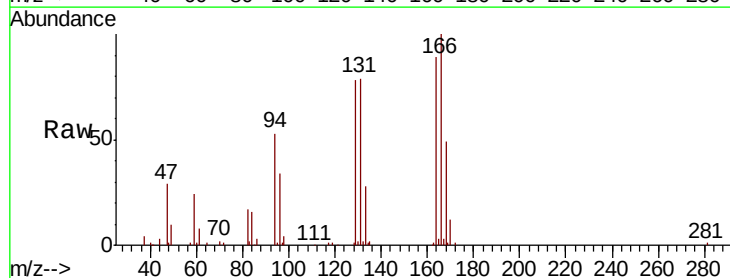
Acq: 27 Nov 2019 18:15

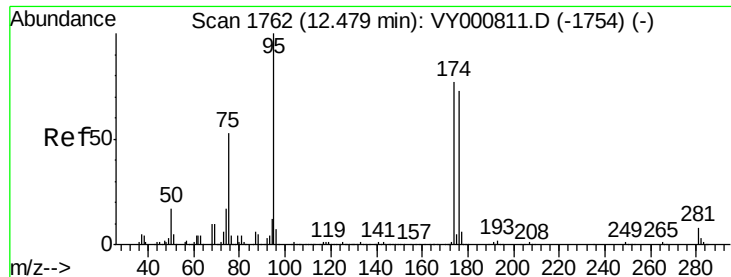
Tgt Ion: 129 Resp: 22358

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.2#





#62

4-Bromofluorobenzene

Concen: 40.758 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

Instrument :

MSVOA_Y

ClientSampled :

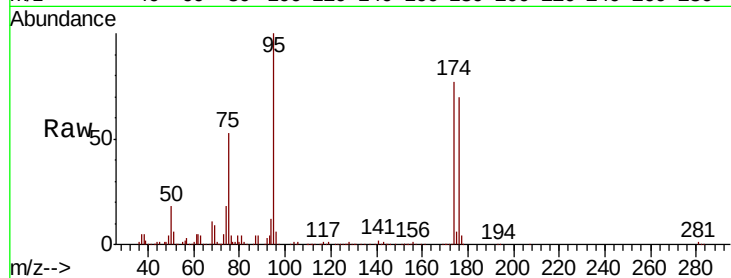
Tot Ion: 95 Resp: 171599

Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.6

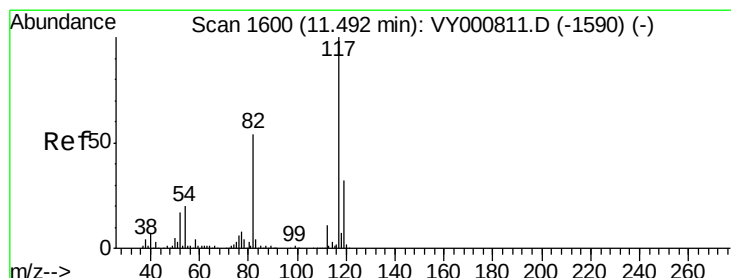
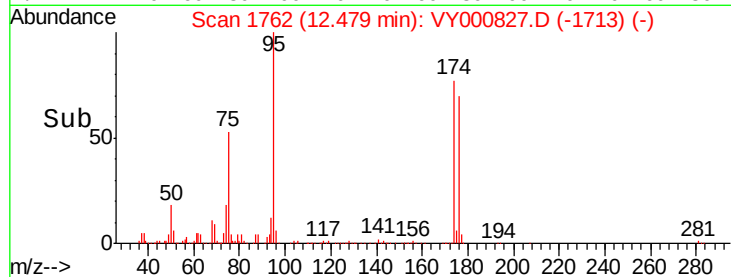
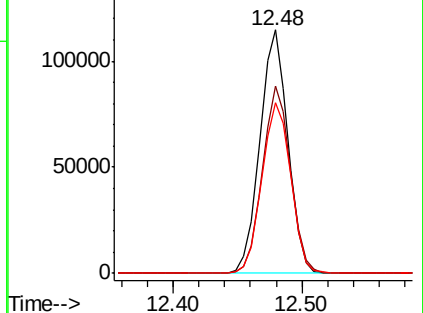
176 72.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY000811.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000811.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000811.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

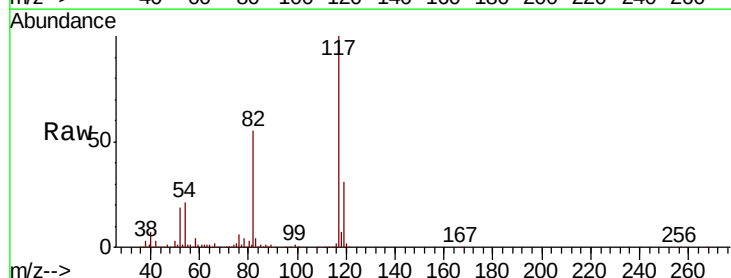
Tgt Ion: 117 Resp: 407048

Ion Ratio Lower Upper

117 100

82 55.4 43.1 64.7

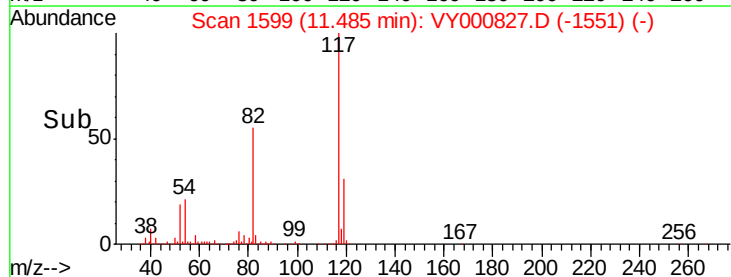
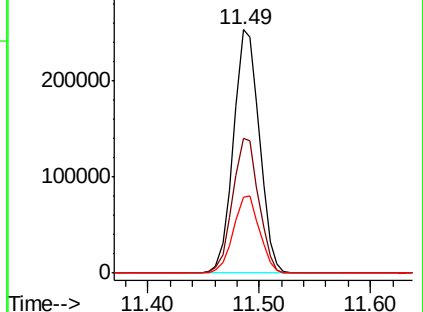
119 31.4 25.3 37.9

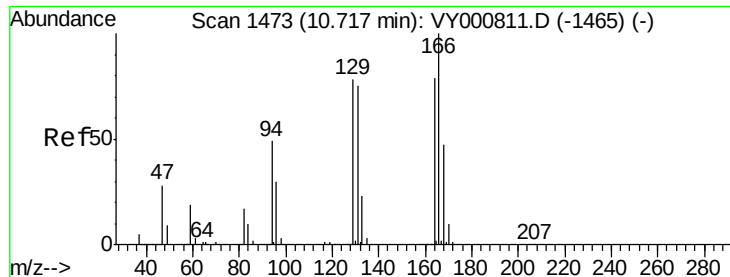


Abundance Ion 116.90 (116.60 to 117.60): VY000811.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY000811.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY000811.D (-1590) (-)





#64

Tetrachloroethene

Concen: 7.073 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:164 Resp: 25015

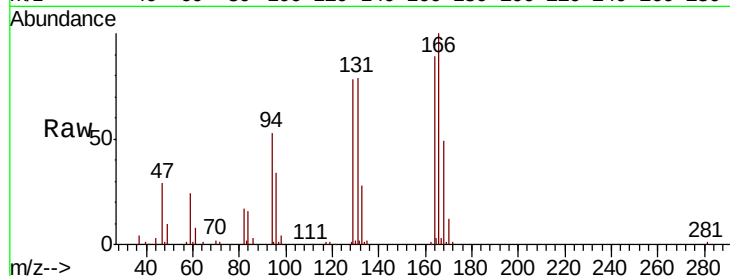
Ion Ratio Lower Upper

164 100

166 112.3 101.8 152.8

129 87.4 79.3 118.9

131 88.7 76.4 114.6

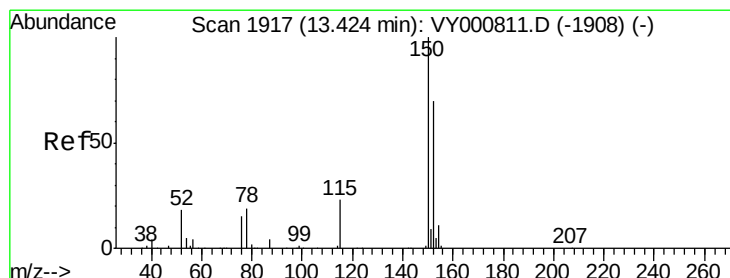
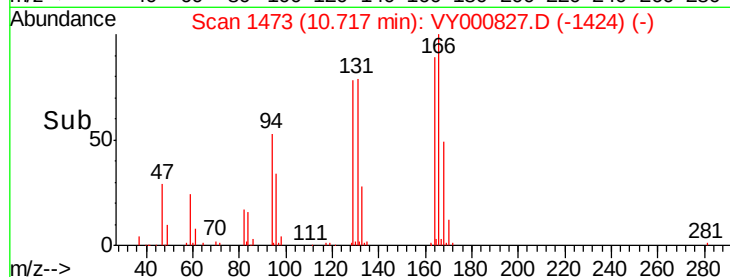
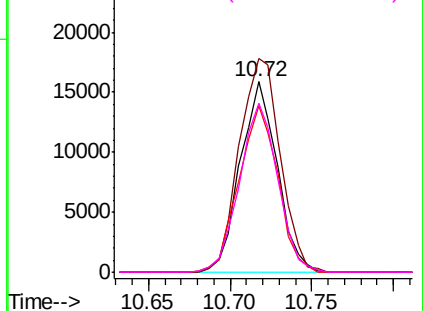


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

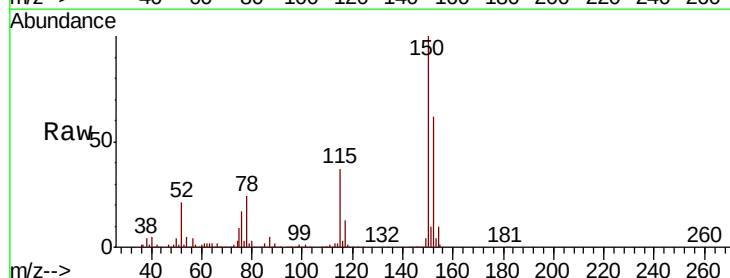
Tgt Ion:152 Resp: 151513

Ion Ratio Lower Upper

152 100

115 60.7 29.3 87.8

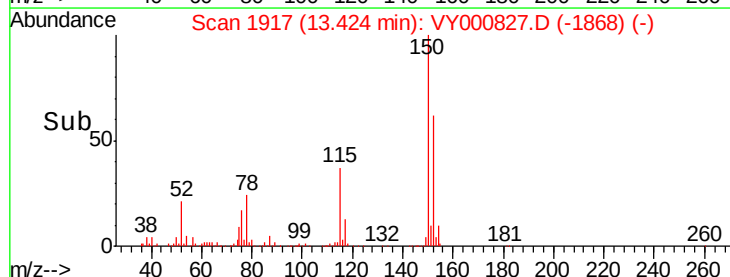
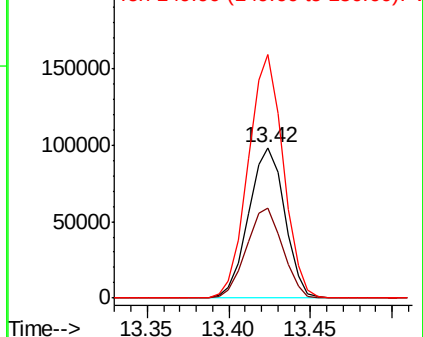
150 157.2 0.0 351.2

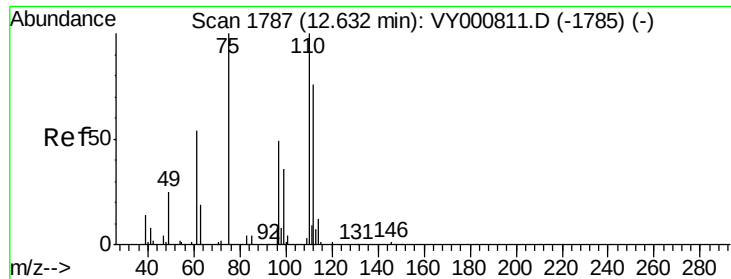


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 52.086 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

Instrument :

MSVOA_Y

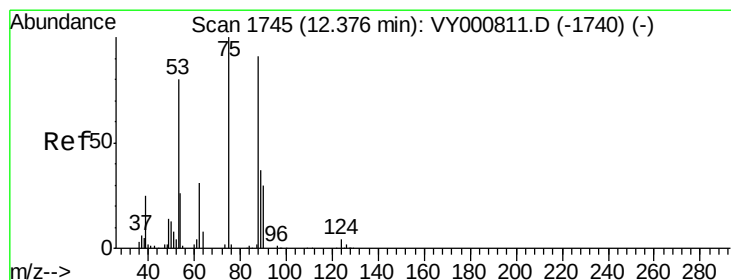
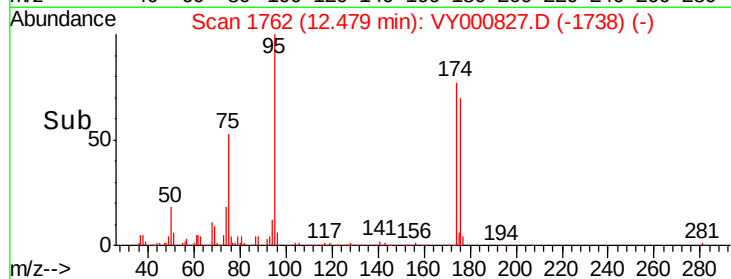
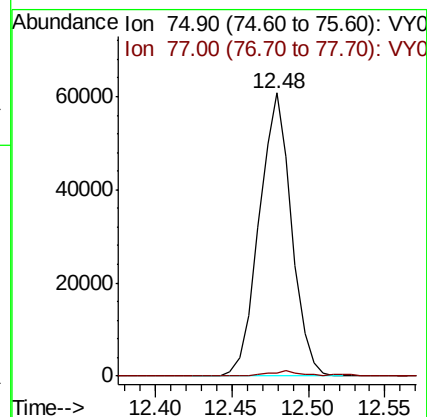
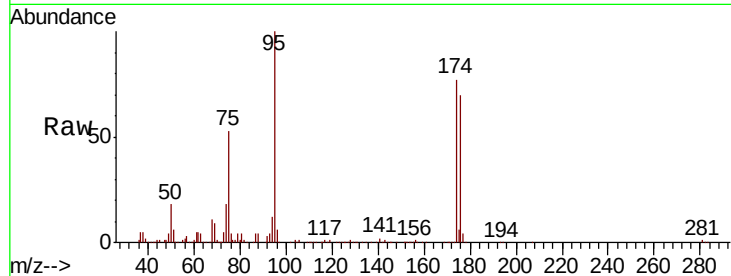
ClientSampleId :

Tot Ion: 75 Resp: 89412

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.312 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000827.D

Acq: 27 Nov 2019 18:15

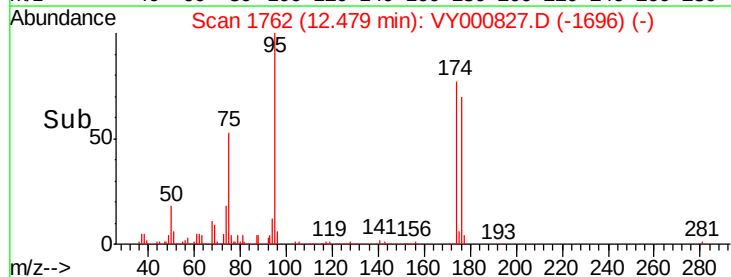
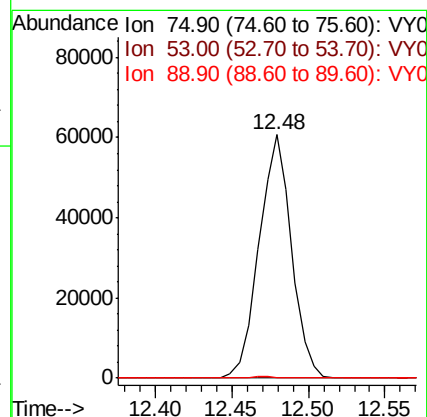
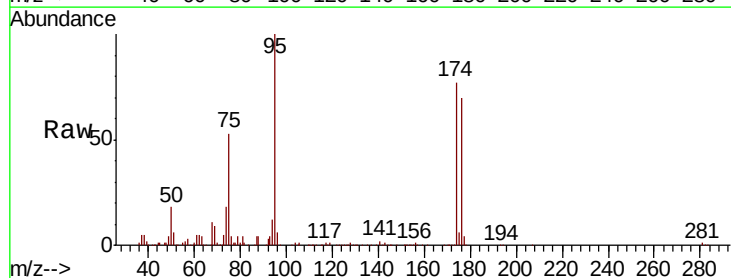
Tgt Ion: 75 Resp: 89412

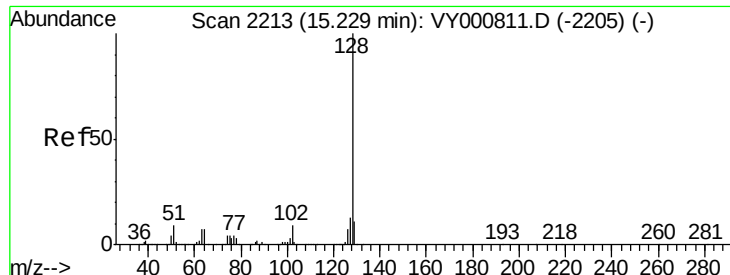
Ion Ratio Lower Upper

75 100

53 0.2 64.6 96.8#

89 0.1 33.6 50.4#

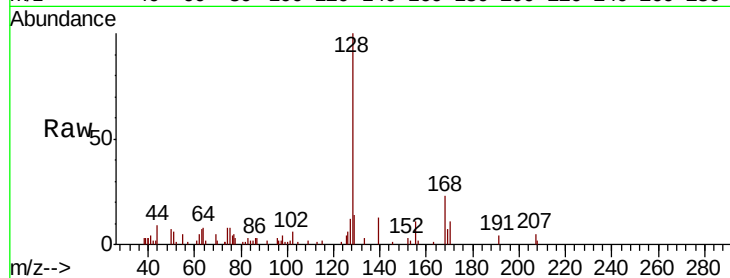




#95
Naphthalene
Concen: 1.631 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY000827.D
Acq: 27 Nov 2019 18:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.0	10.1	15.1#
129	14.6	8.8	13.2#



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

