

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002637.D
 Acq On : 08 May 2020 13:08
 Operator : SY/MD
 Sample : L2557-01
 Misc : 6.87G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:45:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	214470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	321799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	273885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115663	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	91486	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	7.74	113	97507	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
50) Toluene-d8	10.19	98	372214	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.49	95	108103	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

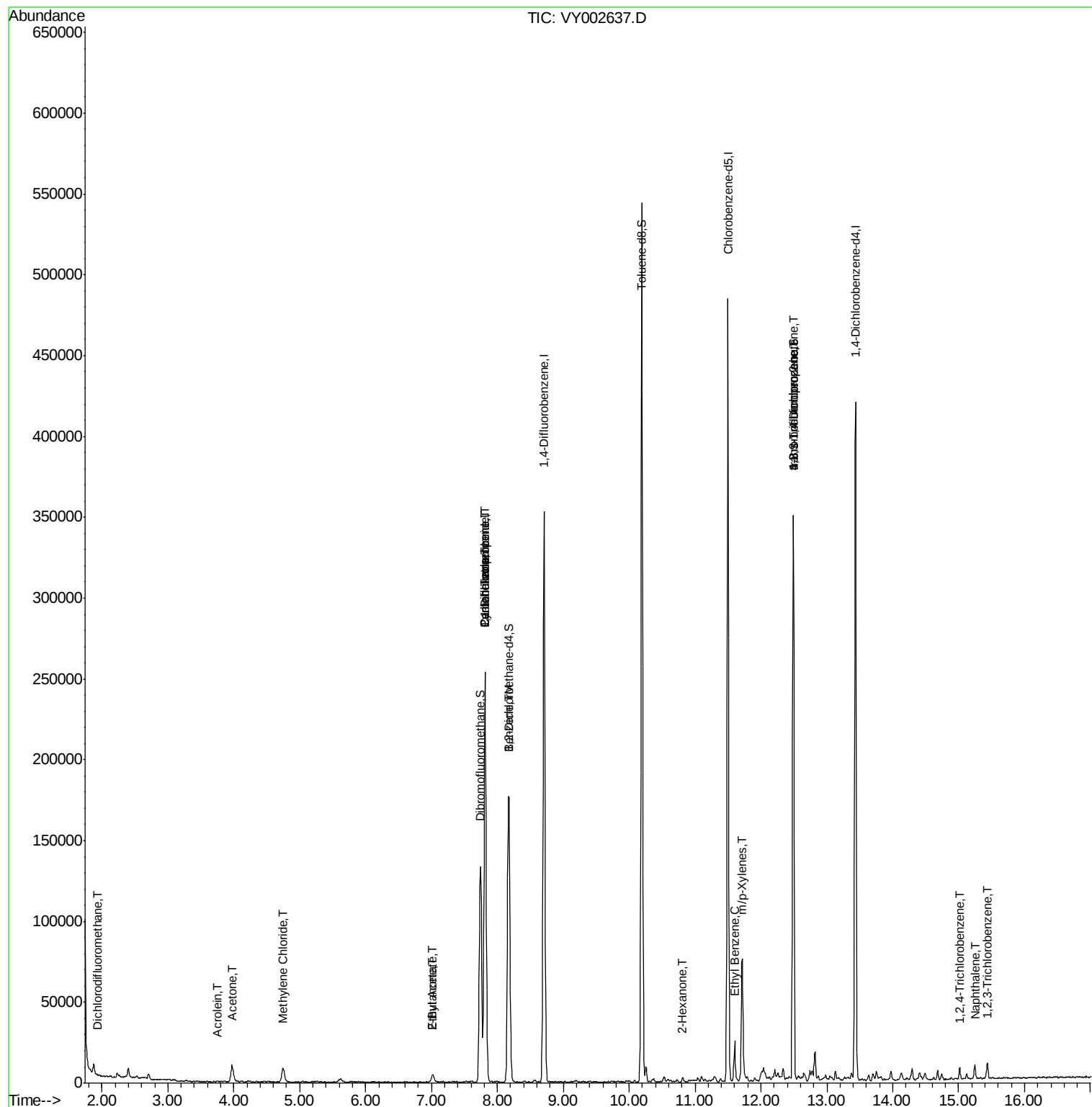
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	20	1.795	ug/l #	43
13) Acrolein	3.75	56	233	1.816	ug/l #	44
16) Acetone	3.98	43	18542	49.822	ug/l	98
20) Methylene Chloride	4.74	84	6710	3.224	ug/l	92
25) 2-Butanone	7.02	43	6868	11.274	ug/l	95
31) Cyclohexane	7.82	56	3415	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13234	4.906	ug/l #	49
37) Ethyl Acetate	7.02	43	6868	4.954	ug/l #	69
38) Carbon Tetrachloride	7.82	117	18630	6.326	ug/l #	16
40) Benzene	8.18	78	99708	12.797	ug/l	99
59) 2-Hexanone	10.81	43	2088	2.265	ug/l #	22
67) Ethyl Benzene	11.60	91	16605	1.816	ug/l	99
68) m/p-Xylenes	11.71	106	22636	6.397	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	51243	49.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51243	99.967	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.02	180	2452	1.068	ug/l	96
95) Naphthalene	15.25	128	7663	1.829	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	3328	1.707	ug/l	95

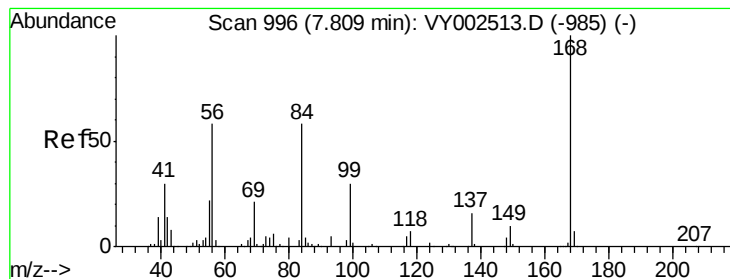
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

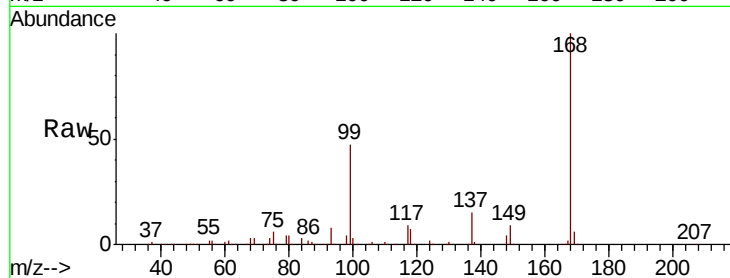
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 214470

Ion Ratio Lower Upper

168 100

99 47.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

100000

80000

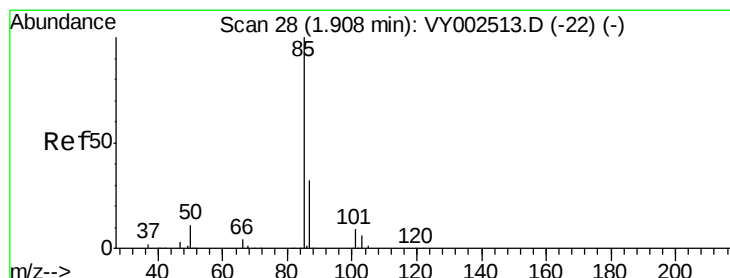
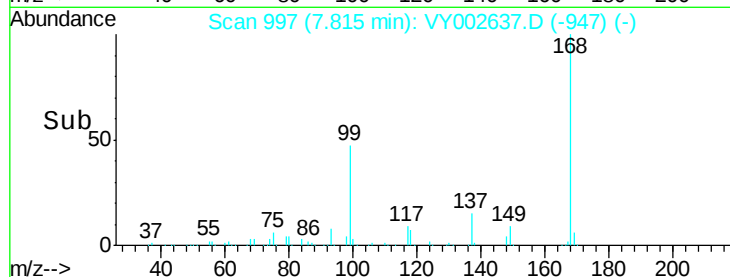
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.795 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002637.D

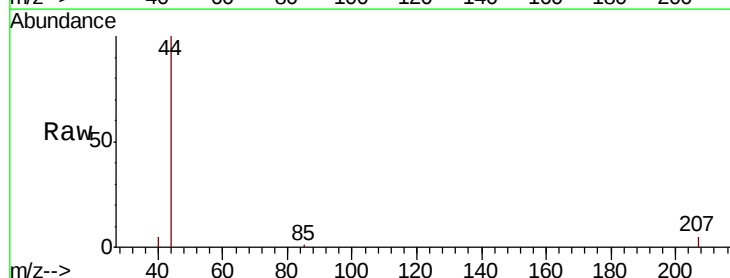
Acq: 08 May 2020 13:08

Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.92

60

50

40

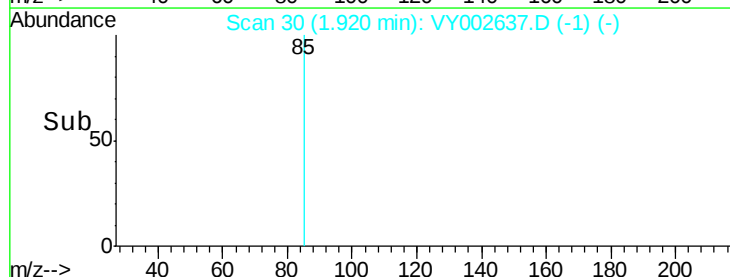
30

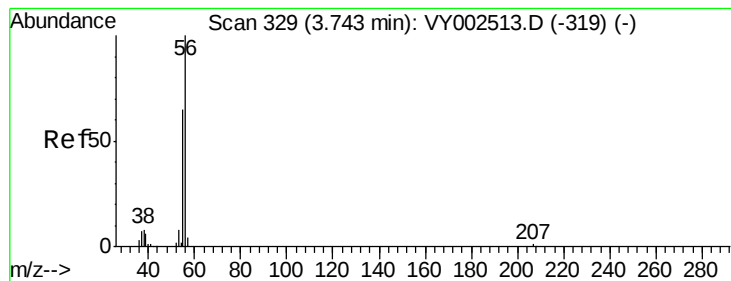
20

10

0

Time-->





#13

Acrolein

Concen: 1.816 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Instrument :

MSVOA_Y

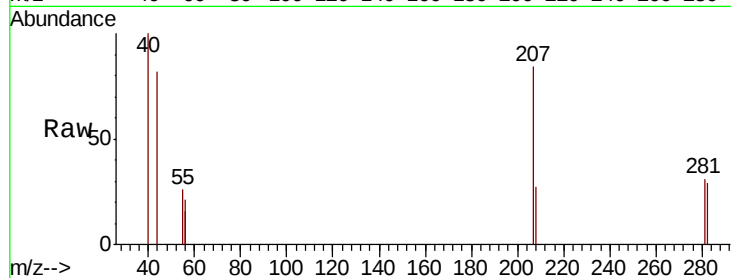
ClientSampleId :

Tot Ion: 56 Resp: 233

Ion Ratio Lower Upper

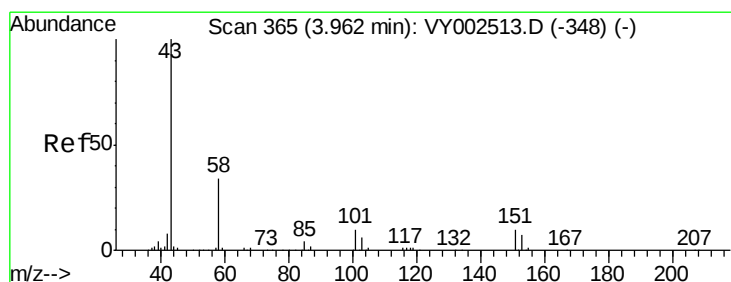
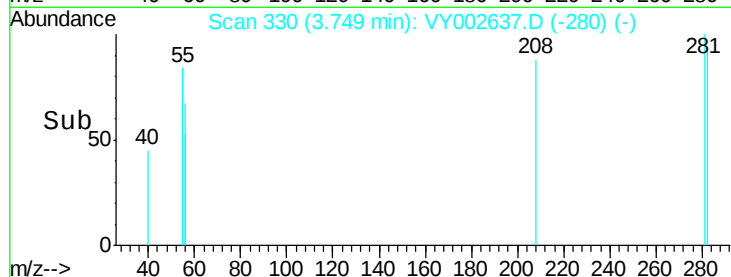
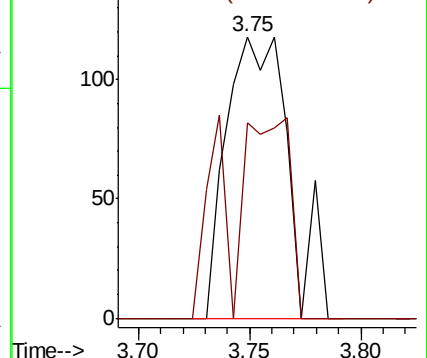
56 100

55 21.9 53.8 80.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 49.822 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002637.D

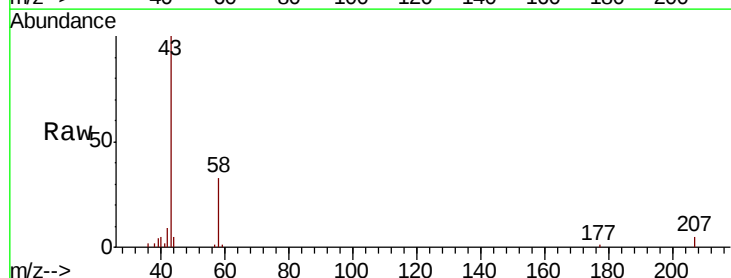
Acq: 08 May 2020 13:08

Tgt Ion: 43 Resp: 18542

Ion Ratio Lower Upper

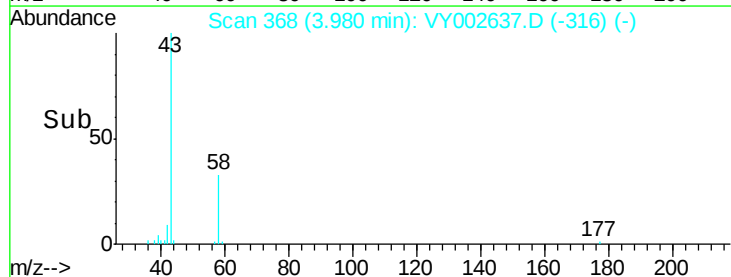
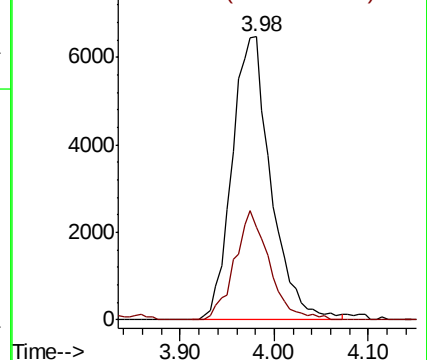
43 100

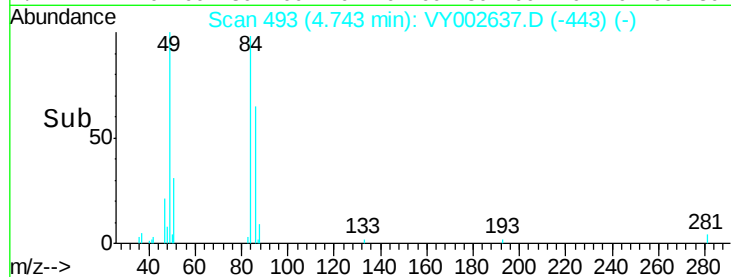
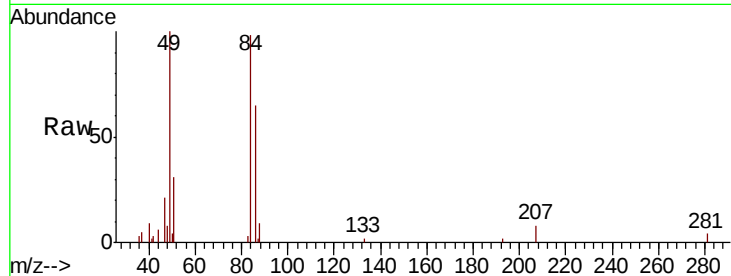
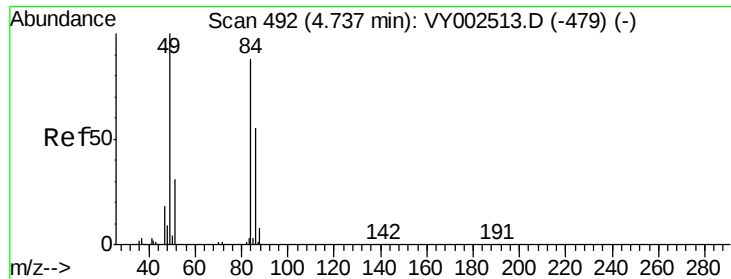
58 32.5 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

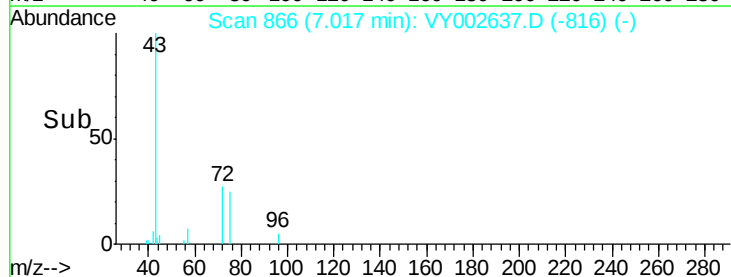
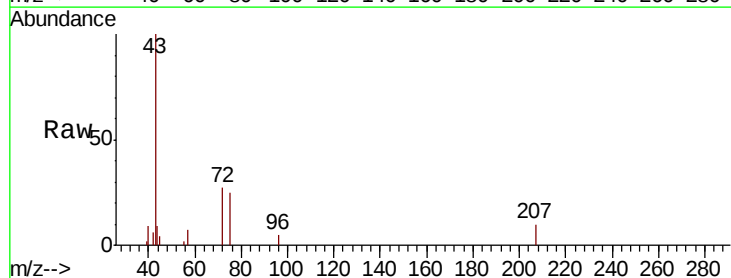
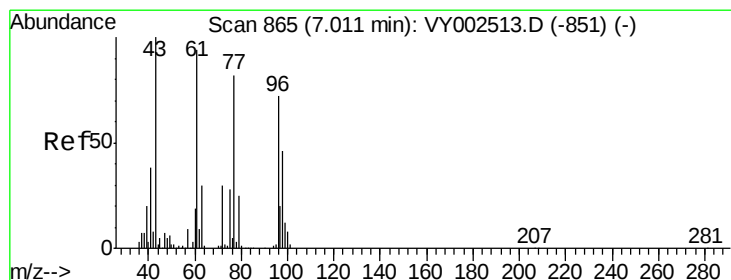
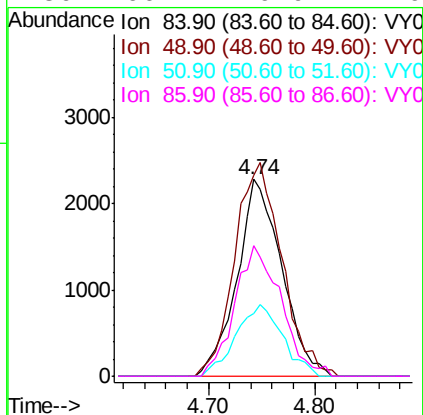
Ion 58.00 (57.70 to 58.70): VY0





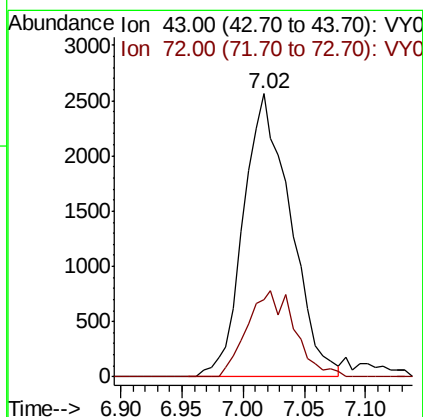
#20
Methvlene Chloride
Concen: 3.224 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002637.D
Acq: 08 May 2020 13:08

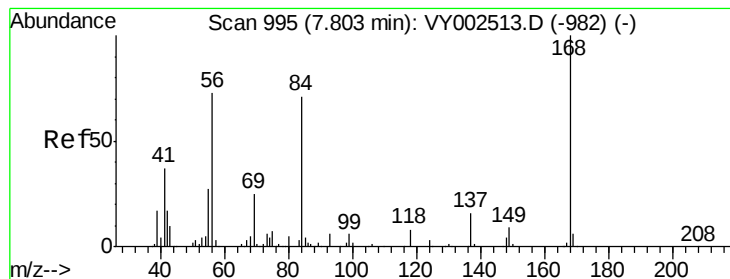
Tot Ion:	84	Resp:	6710
Ion	Ratio	Lower	Upper
84	100		
49	102.0	90.5	135.7
51	32.1	28.3	42.5
86	66.1	49.9	74.9



#25
2-Butanone
Concen: 11.274 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002637.D
Acq: 08 May 2020 13:08

Tgt Ion:	43	Resp:	6868
Ion	Ratio	Lower	Upper
43	100		
72	27.2	24.1	36.1





#31

Cyclohexane

Concen: 1.054 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

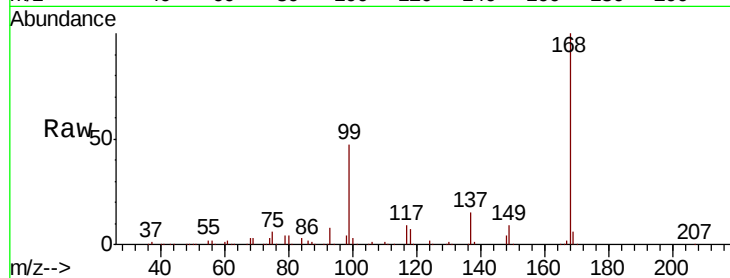
Tot Ion: 56 Resp: 3415

Ion Ratio Lower Upper

56 100

69 178.0 27.6 41.4#

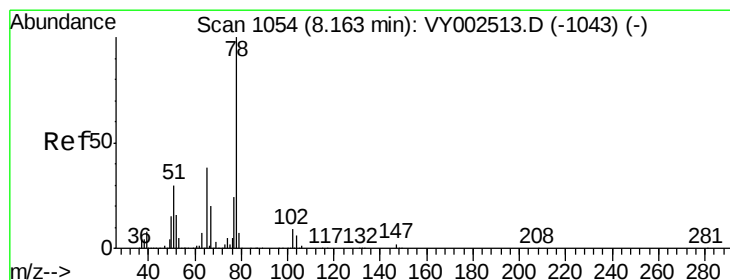
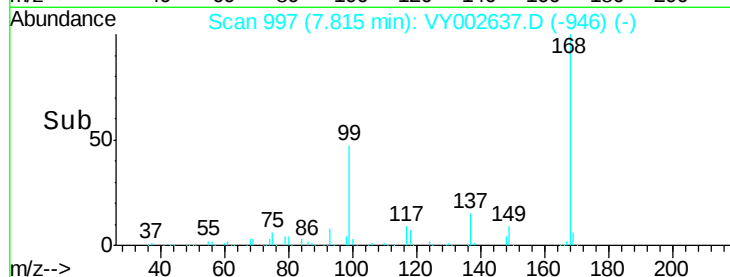
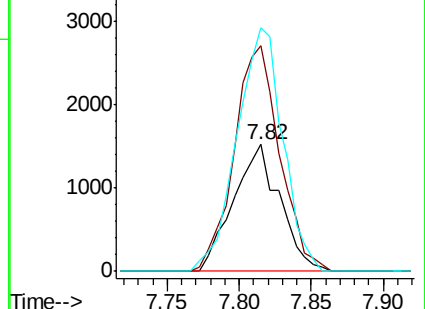
84 192.1 77.7 116.5#



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: 50.732 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002637.D

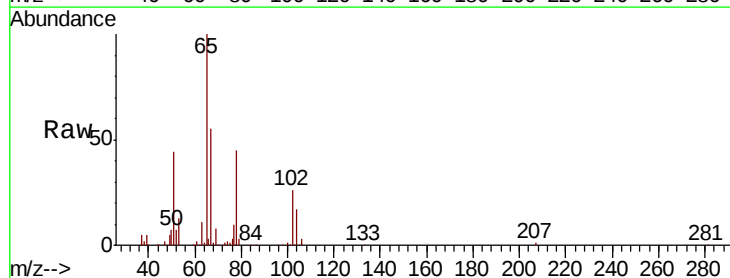
Acq: 08 May 2020 13:08

Tgt Ion: 65 Resp: 91486

Ion Ratio Lower Upper

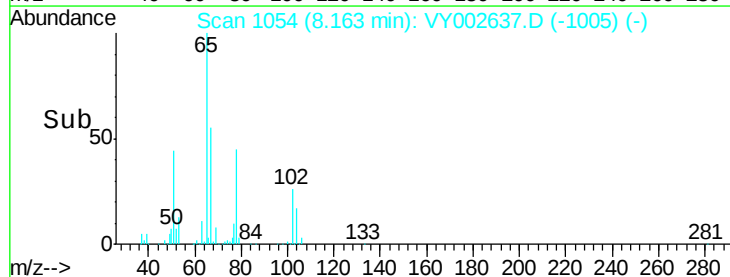
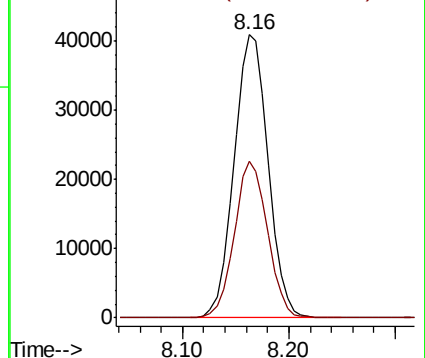
65 100

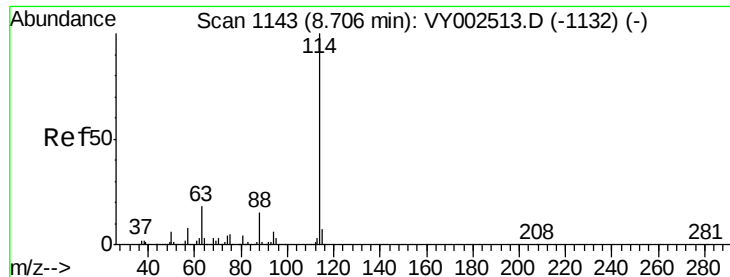
67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

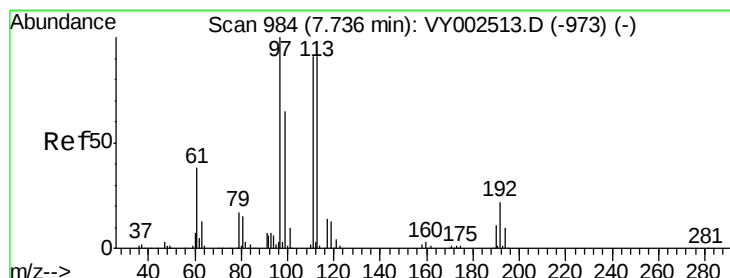
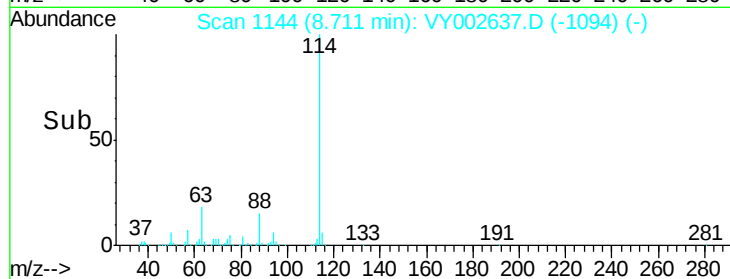
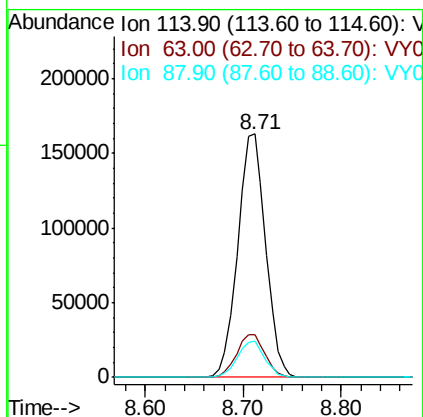
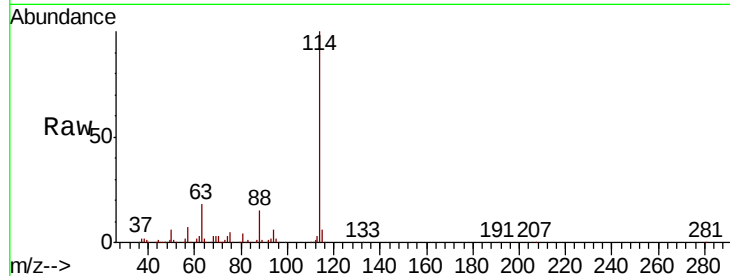




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002637.D
 Acq: 08 May 2020 13:08

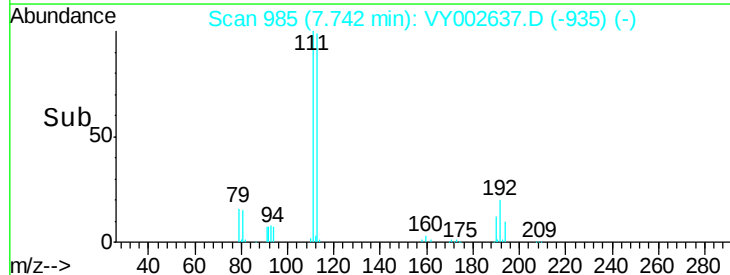
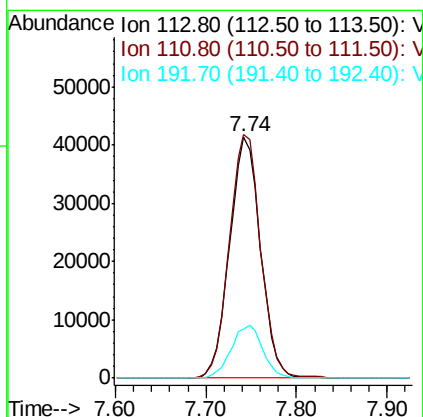
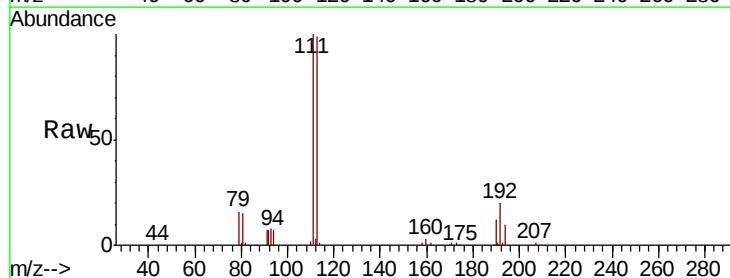
Instrument :
 MSVOA_Y
 ClientSampleId :

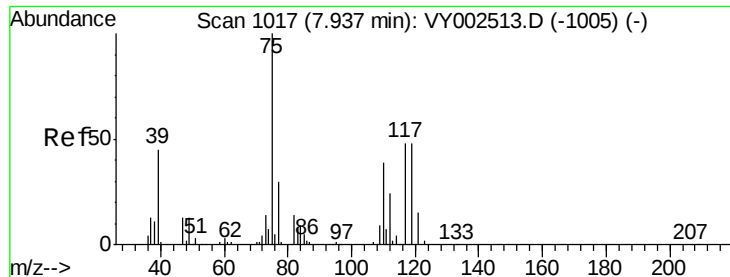
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	36.4
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 52.982 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002637.D
 Acq: 08 May 2020 13:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.5	18.2	27.4

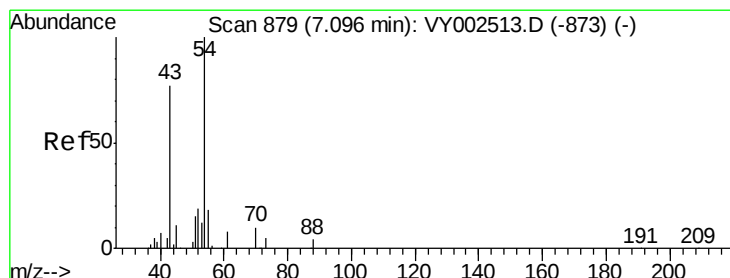
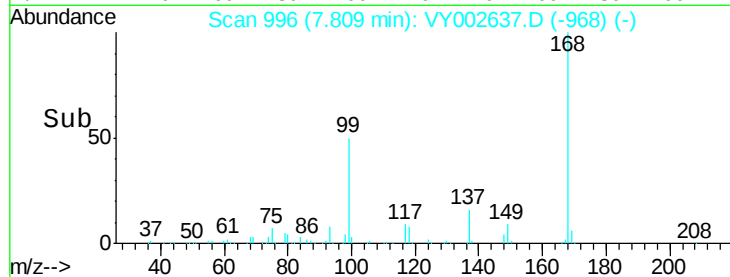
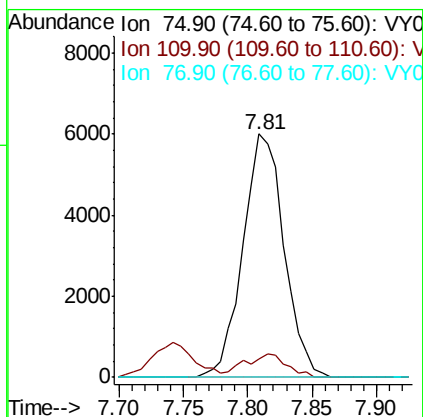
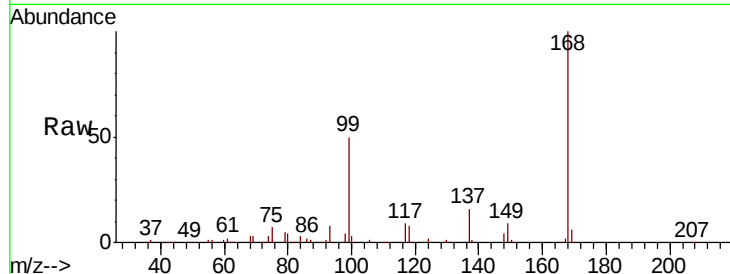




#36
 1,1-Dichloropropene
 Concen: 4.906 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002637.D
 Acq: 08 May 2020 13:08

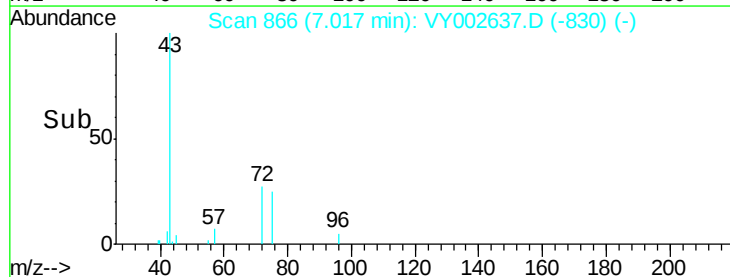
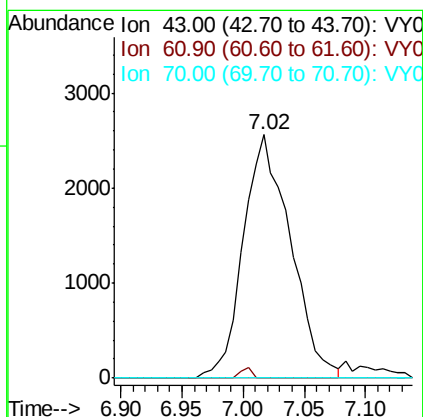
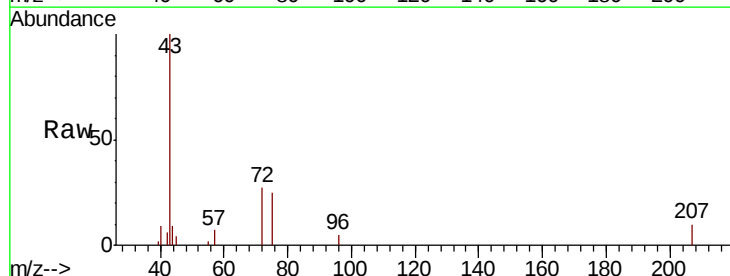
Instrument :
 MSVOA_Y
 ClientSampleId :

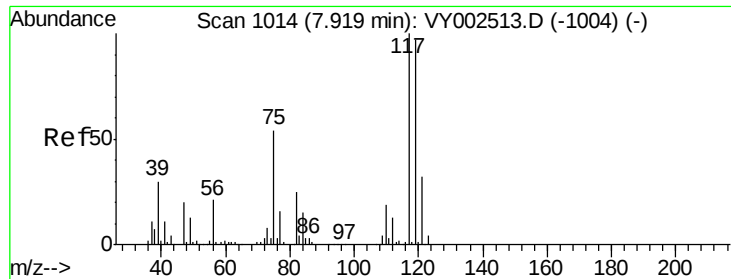
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.1	57.3#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 4.954 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.08 min
 Lab File: VY002637.D
 Acq: 08 May 2020 13:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.0	11.6	17.4#
70	0.0	9.0	13.6#

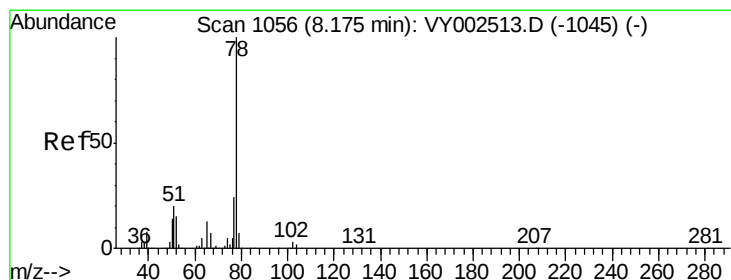
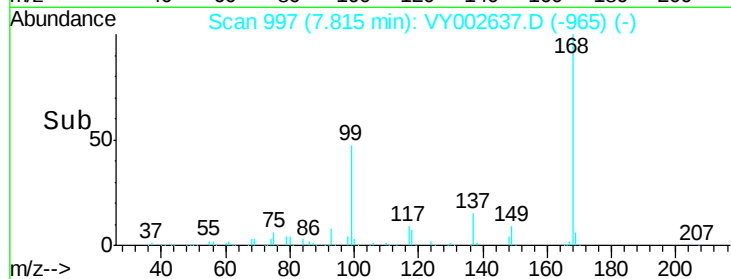
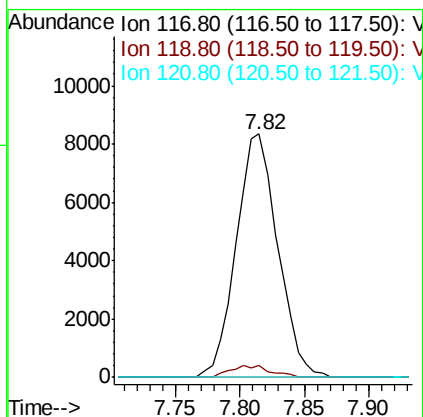
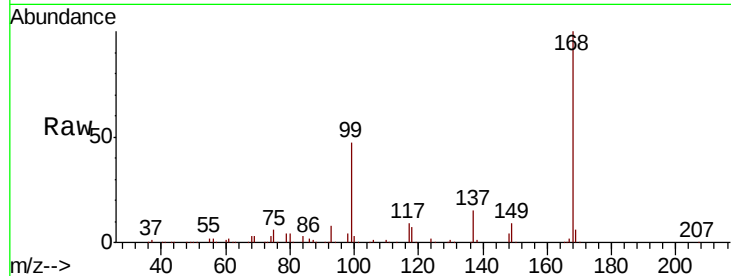




#38
 Carbon Tetrachloride
 Concen: 6.326 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY002637.D
 Acq: 08 May 2020 13:08

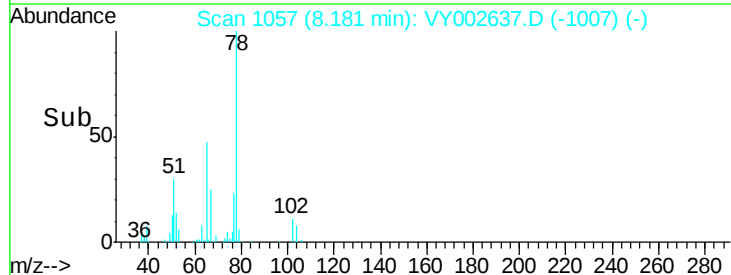
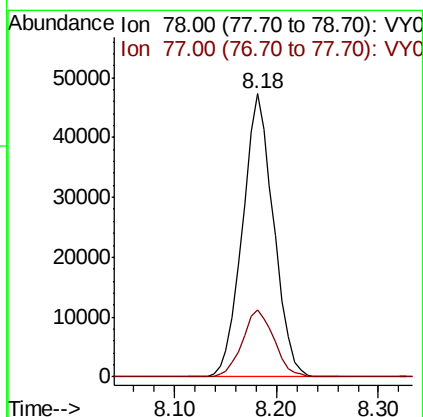
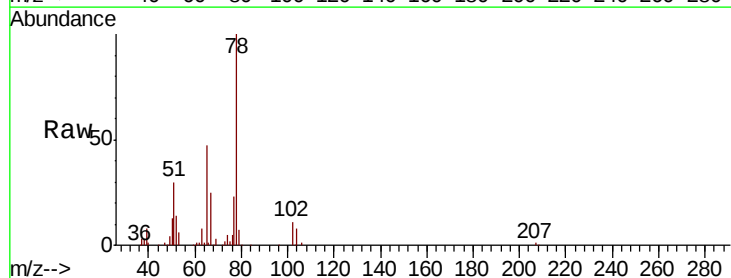
Instrument :
 MSVOA_Y
 ClientSampled :

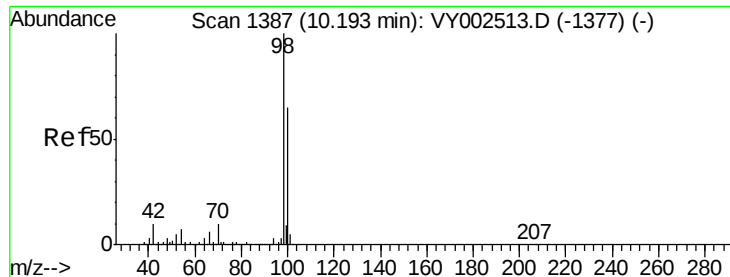
Tot Ion:117 Resp: 18630
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.1 115.7#
 121 0.0 25.2 37.8#



#40
 Benzene
 Concen: 12.797 ug/l
 RT: 8.18 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VY002637.D
 Acq: 08 May 2020 13:08

Tgt Ion: 78 Resp: 99708
 Ion Ratio Lower Upper
 78 100
 77 23.5 19.2 28.8





#50

Toluene-d8

Concen: 51.790 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Instrument :

MSVOA_Y

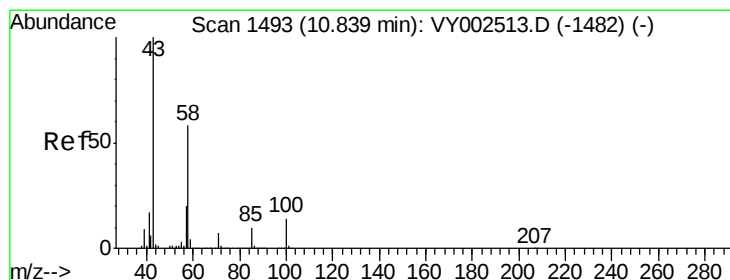
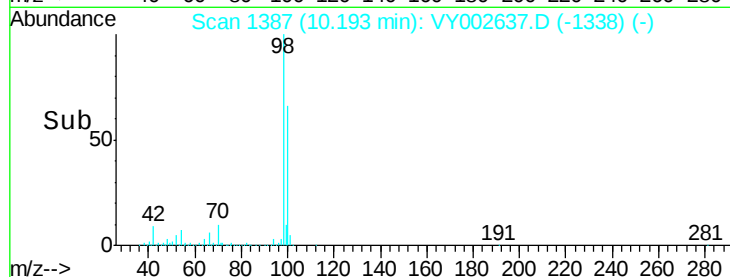
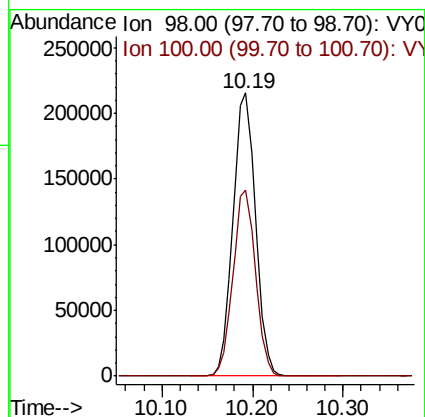
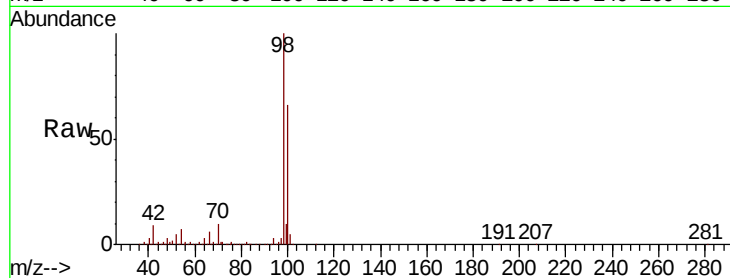
ClientSampleId :

Tot Ion: 98 Resp: 372214

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#59

2-Hexanone

Concen: 2.265 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.03 min

Lab File: VY002637.D

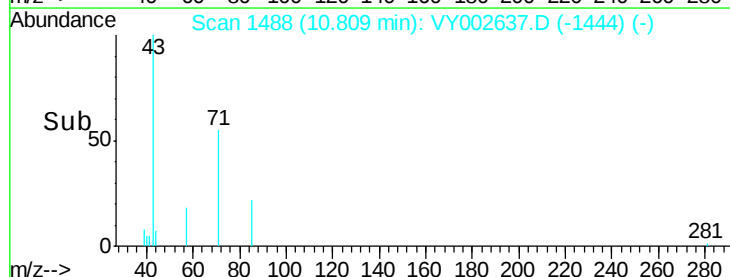
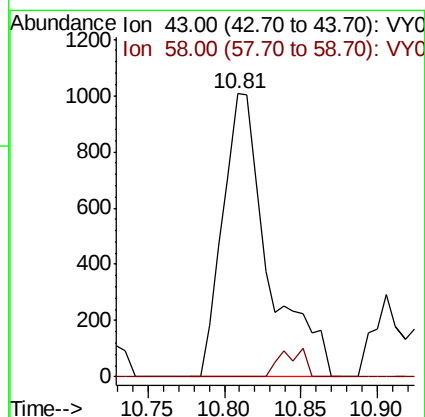
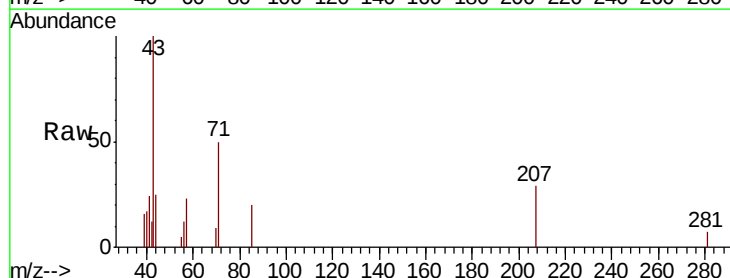
Acq: 08 May 2020 13:08

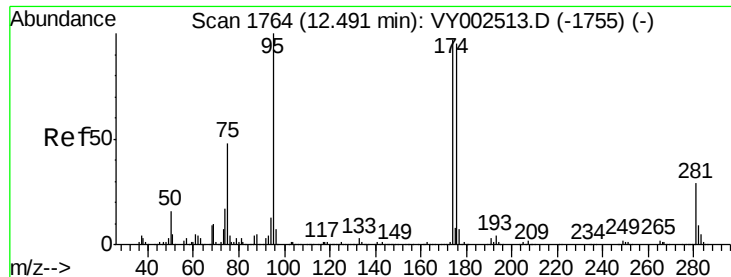
Tgt Ion: 43 Resp: 2088

Ion Ratio Lower Upper

43 100

58 0.0 29.1 87.3#

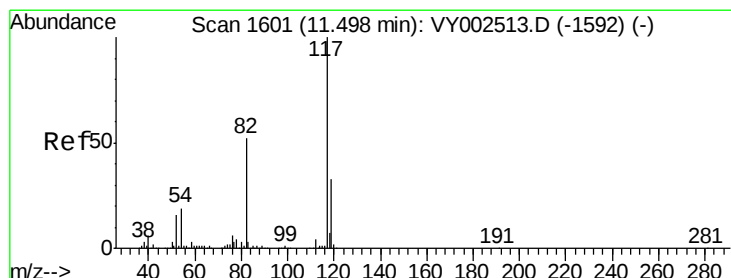
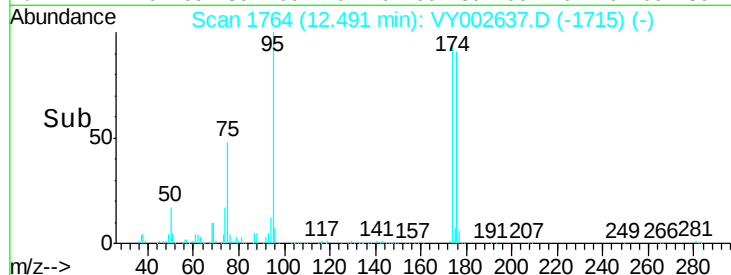
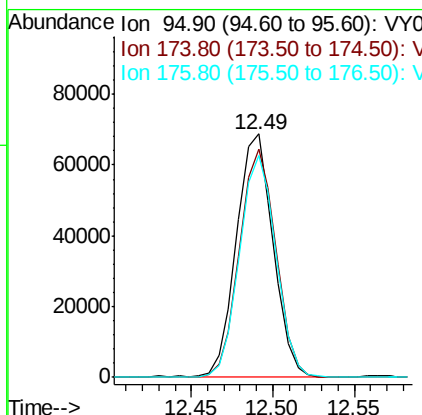
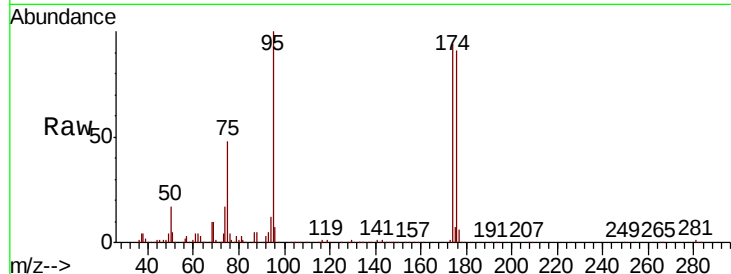




#62
4-Bromofluorobenzene
Concen: 44.328 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002637.D
Acq: 08 May 2020 13:08

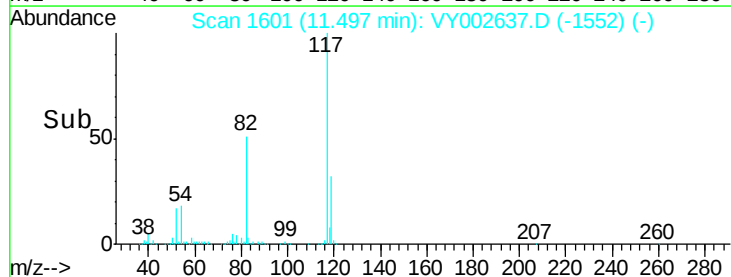
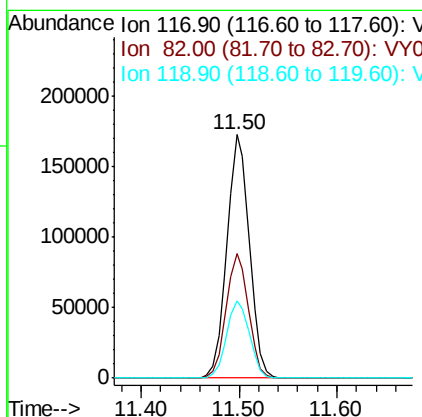
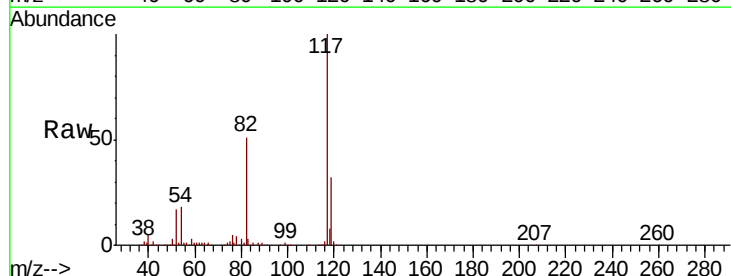
Instrument :
MSVOA_Y
ClientSampleId :

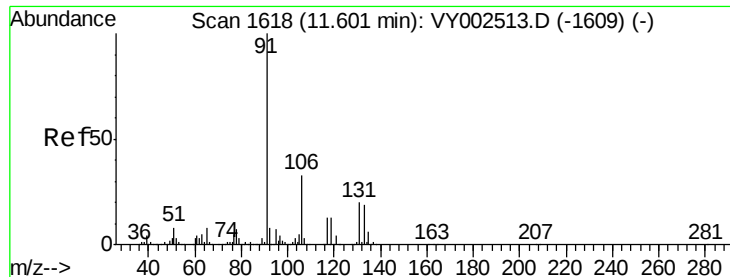
Tot Ion	95	Resp	108103
Ion Ratio	Lower	Upper	
95	100		
174	93.0	0.0	188.8
176	90.1	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002637.D
Acq: 08 May 2020 13:08

Tgt Ion	117	Resp	273885
Ion Ratio	Lower	Upper	
117	100		
82	50.9	41.3	61.9
119	31.8	26.0	39.0





#67

Ethyl Benzene

Concen: 1.816 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Instrument :

MSVOA_Y

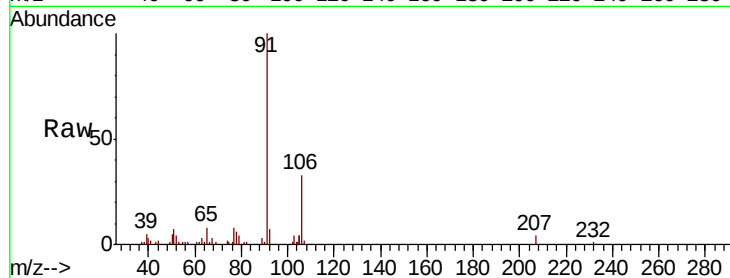
ClientSampleId :

Tot Ion: 91 Resp: 16605

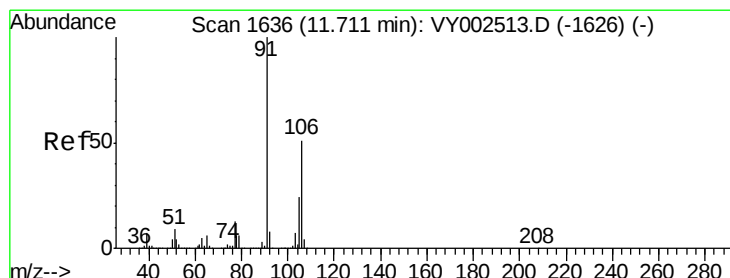
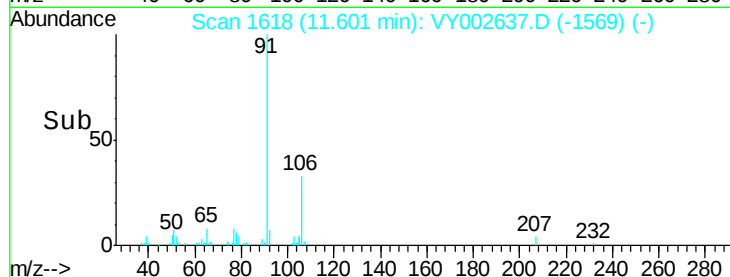
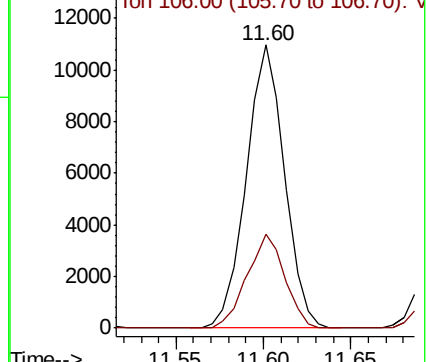
Ion Ratio Lower Upper

91 100

106 33.4 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1609) (-)



#68

m/p-Xylenes

Concen: 6.397 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002637.D

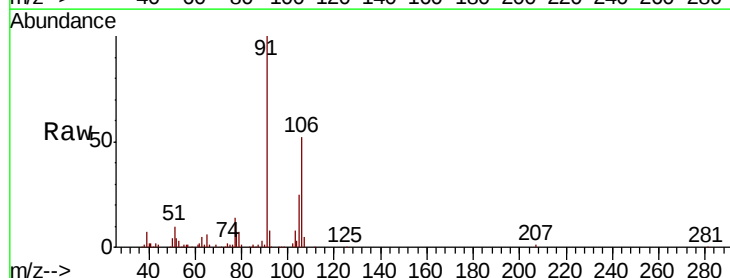
Acq: 08 May 2020 13:08

Tgt Ion: 106 Resp: 22636

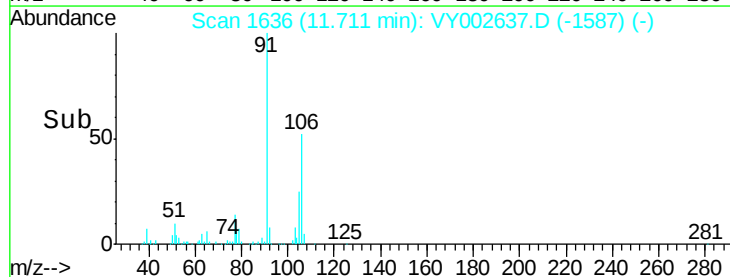
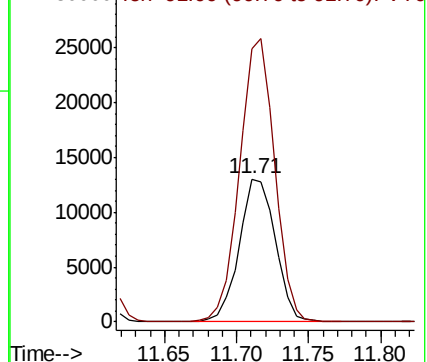
Ion Ratio Lower Upper

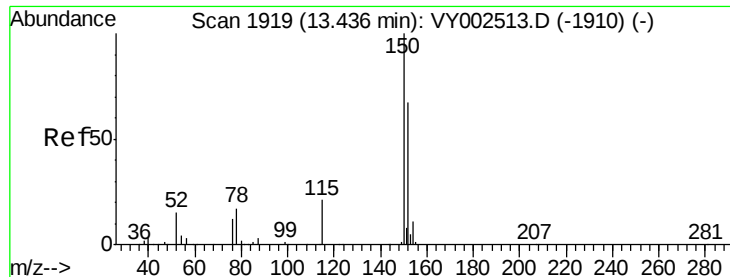
106 100

91 192.5 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VY002513.D (-1626) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

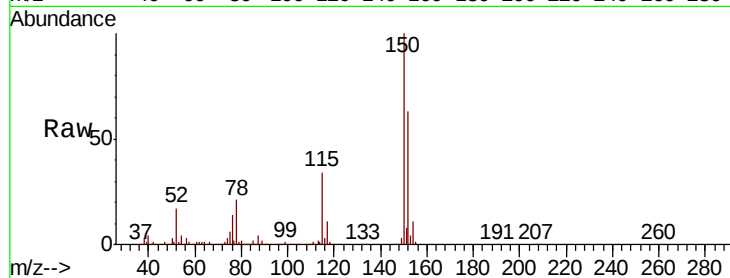
Tot Ion:152 Resp: 115663

Ion Ratio Lower Upper

152 100

115 53.4 27.5 82.4

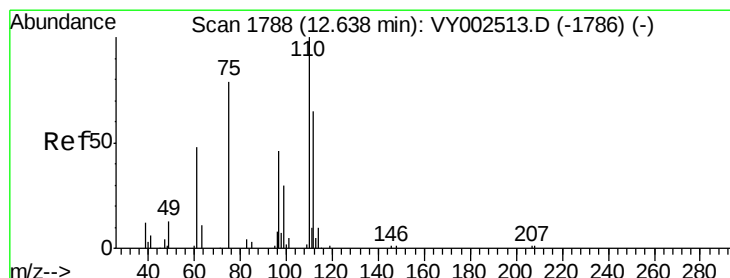
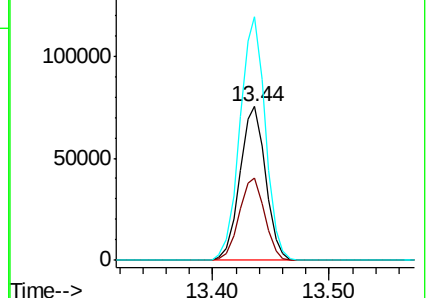
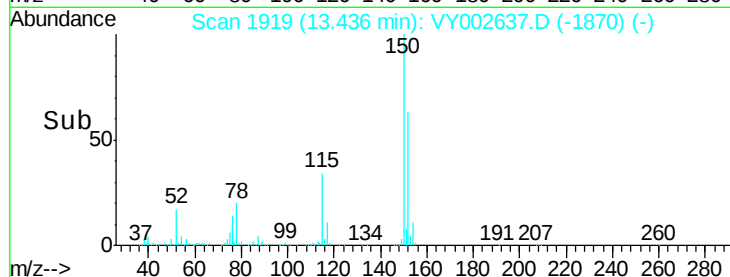
150 156.4 0.0 346.4



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: 49.854 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002637.D

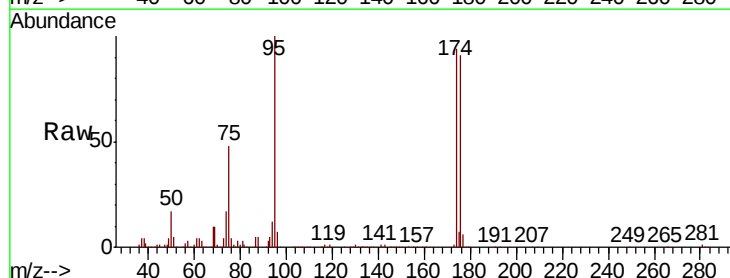
Acq: 08 May 2020 13:08

Tgt Ion: 75 Resp: 51243

Ion Ratio Lower Upper

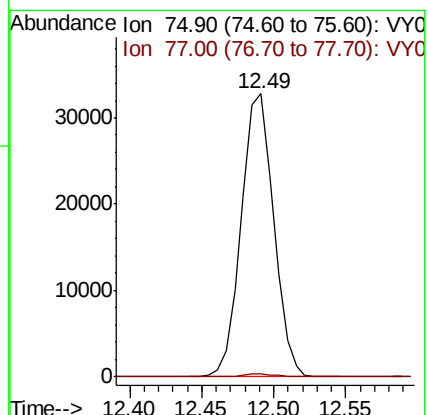
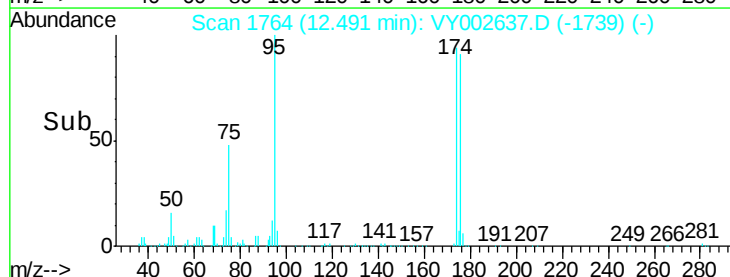
75 100

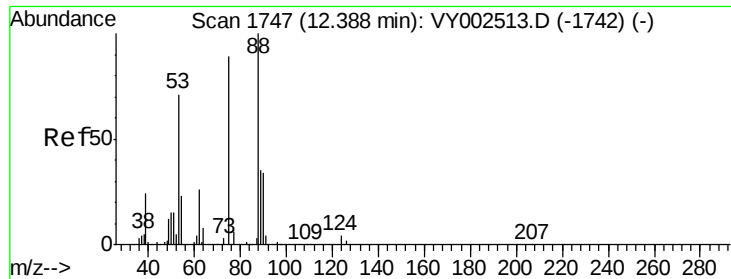
77 1.2 0.0 0.0#



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: 99.967 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

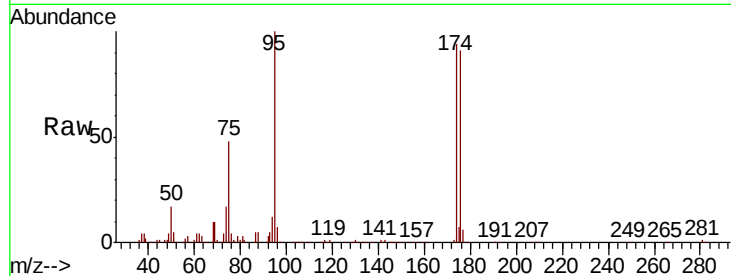
Tot Ion: 75 Resp: 51243

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

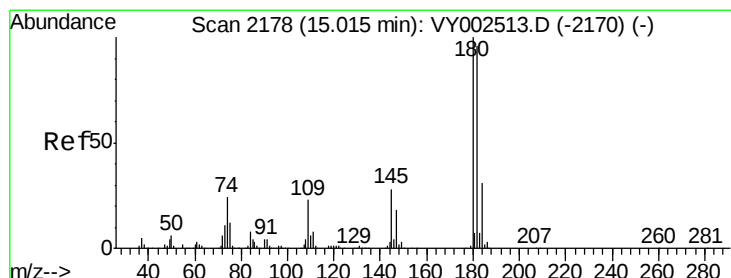
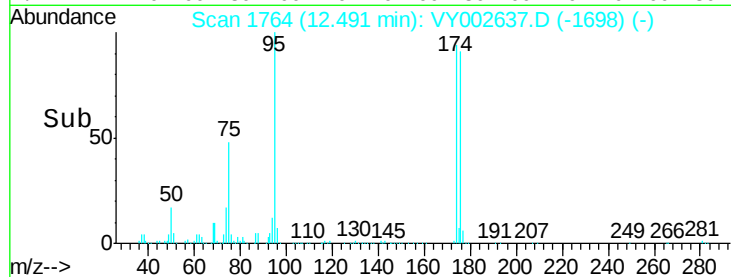
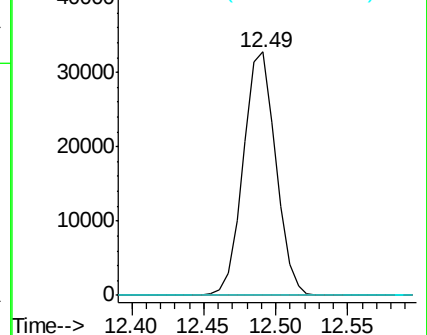
89 0.0 37.4 56.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.068 ug/l

RT: 15.02 min Scan# 2178

Delta R.T. -0.00 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

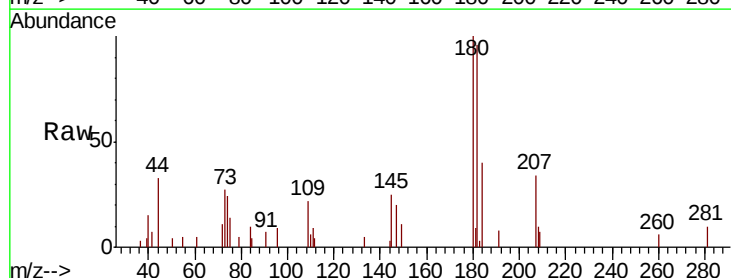
Tgt Ion: 180 Resp: 2452

Ion Ratio Lower Upper

180 100

182 100.0 47.9 143.6

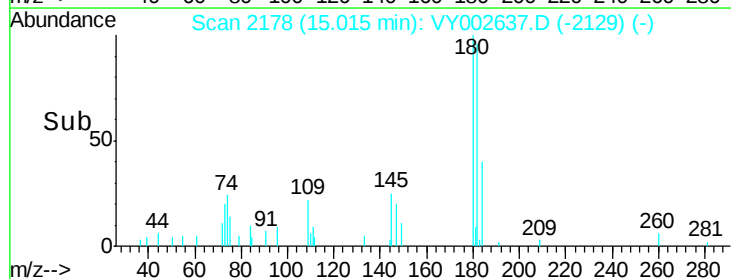
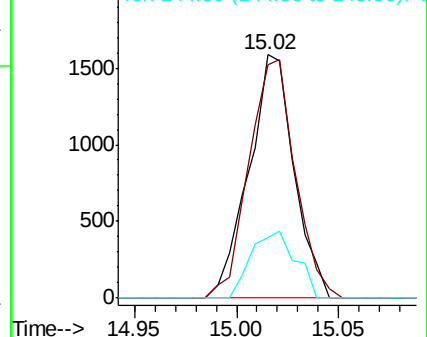
145 27.0 14.4 43.0

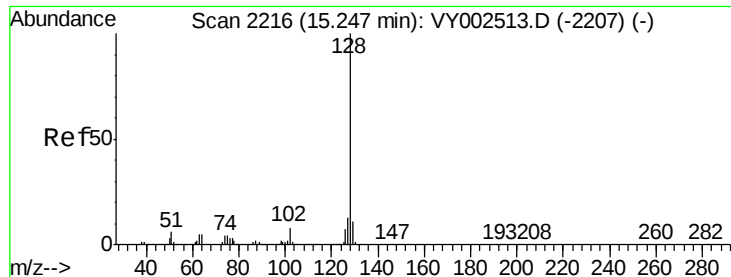


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.829 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

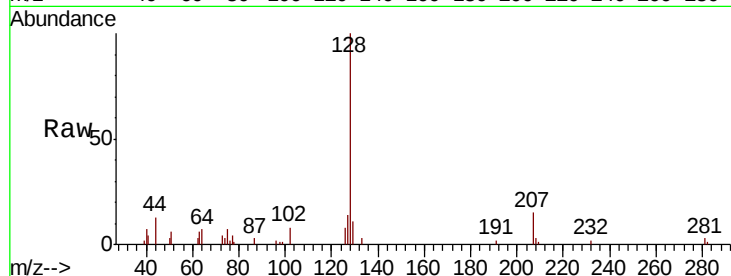
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:128 Resp: 7663

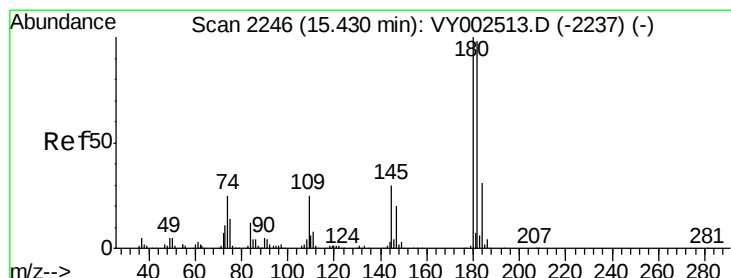
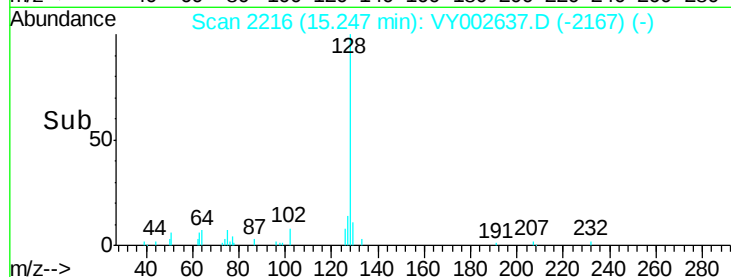
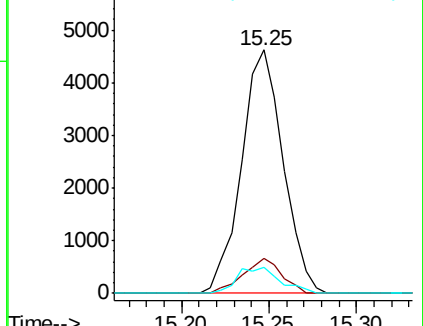
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.8	13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 1.707 ug/l

RT: 15.44 min Scan# 2247

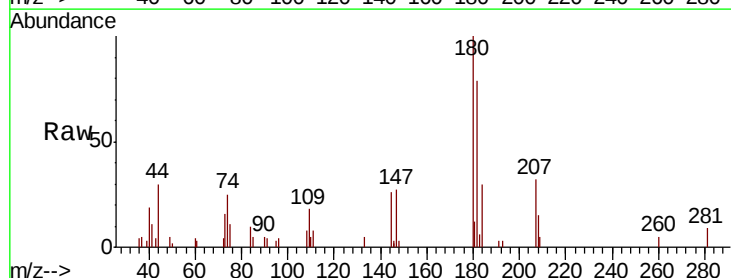
Delta R.T. 0.01 min

Lab File: VY002637.D

Acq: 08 May 2020 13:08

Tgt Ion:180 Resp: 3328

Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.9	143.8
145	31.3	15.0	45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

