

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002603.D
 Acq On : 06 May 2020 10:25
 Operator : SY/MD
 Sample : VY0506SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 12:53:00 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	7.80	168	393274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	580719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	529729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	274849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	168310	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.74	113	177354	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	10.19	98	689718	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.49	95	237171	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds

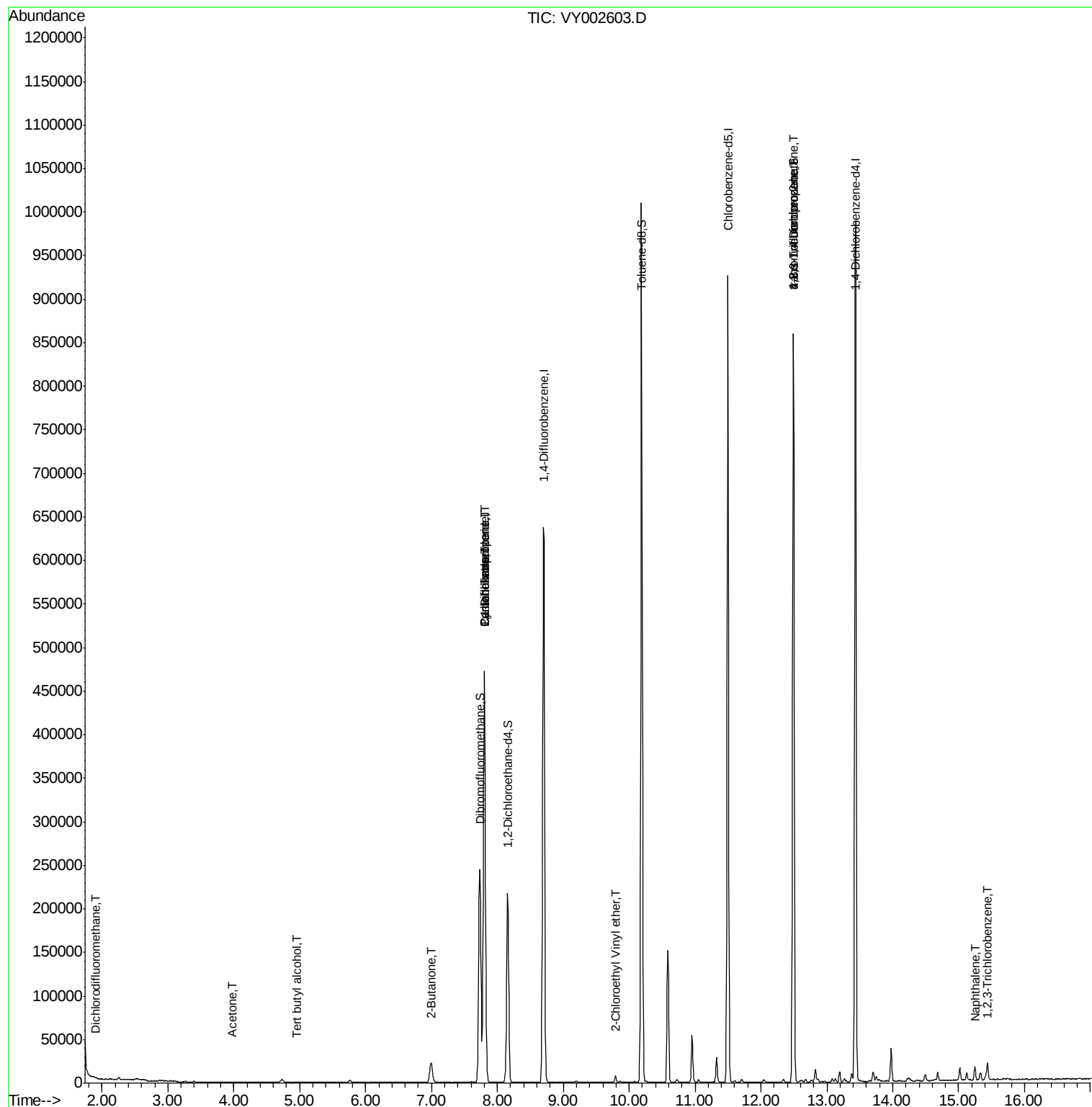
						Qvalue
2) Dichlorodifluoromethane	1.91	85	301	1.874	ug/l #	43
11) Tert butyl alcohol	4.95	59	357	1.049	ug/l #	74
16) Acetone	3.97	43	978	1.433	ug/l	90
25) 2-Butanone	7.00	43	1457	1.304	ug/l #	75
31) Cyclohexane	7.80	56	6484	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	24887	5.112	ug/l #	49
38) Carbon Tetrachloride	7.80	117	35018	6.589	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.79	63	2914	1.459	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	115355	47.228	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	115355	94.702	ug/l #	16
95) Naphthalene	15.25	128	12941	1.300	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	6328	1.366	ug/l	97

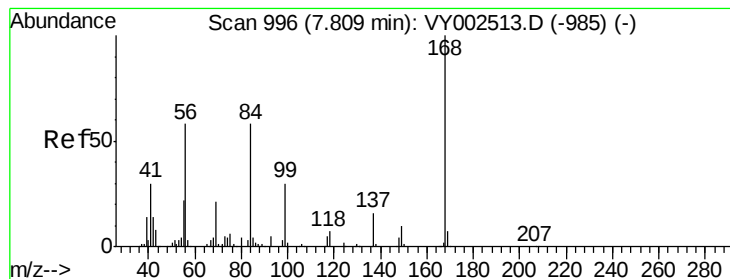
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

Instrument :

MSVOA_Y

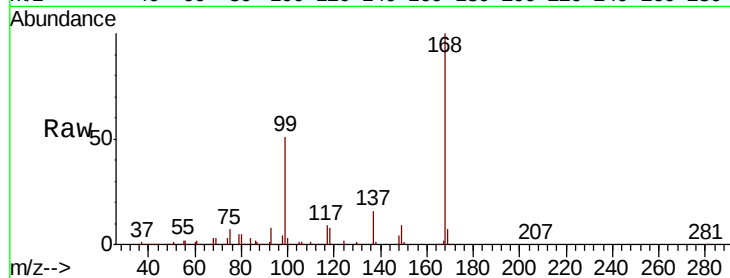
ClientSampleId :

Tot Ion:168 Resp: 393274

Ion Ratio Lower Upper

168 100

99 50.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002603.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002603.D (-947) (-)

7.80

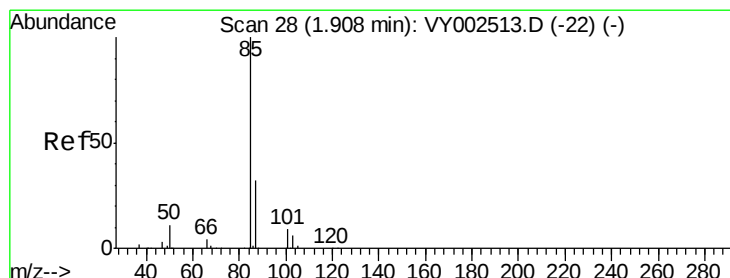
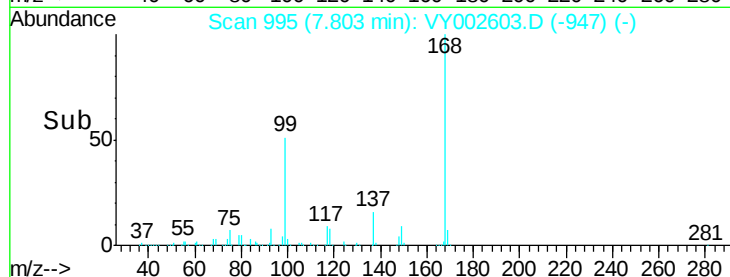
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.874 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002603.D

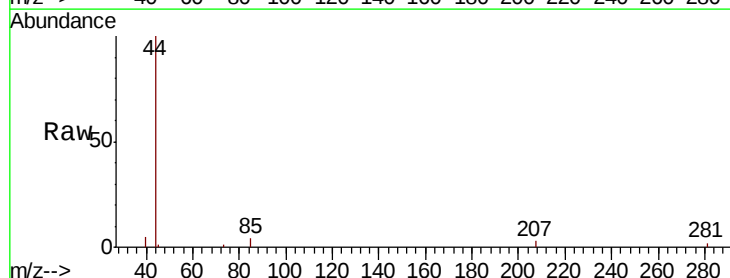
Acq: 06 May 2020 10:25

Tgt Ion: 85 Resp: 301

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002603.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002603.D (-1) (-)

1.91

200

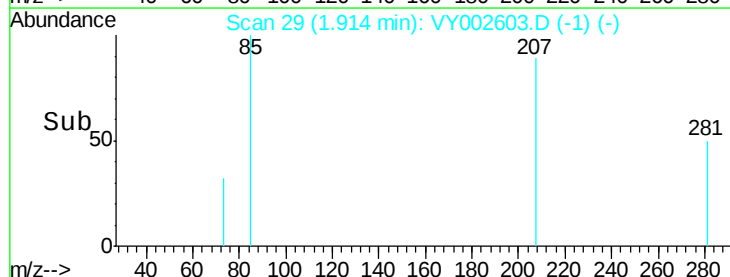
150

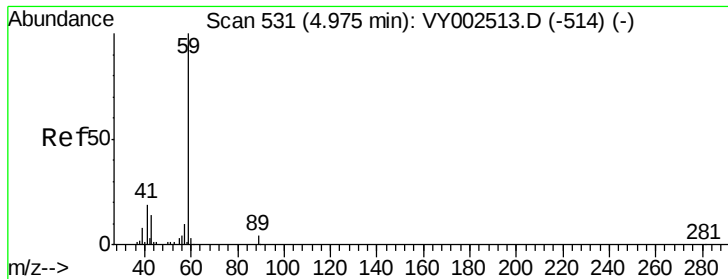
100

50

0

Time-->

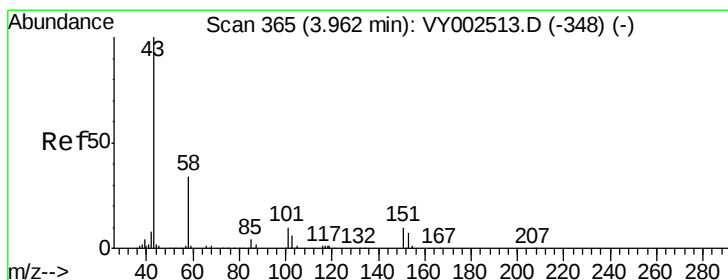
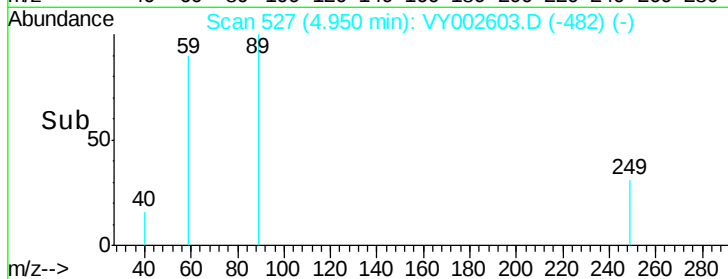
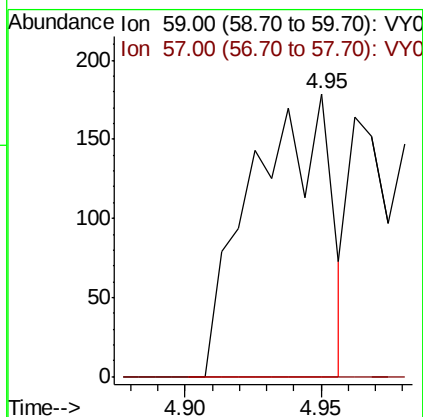
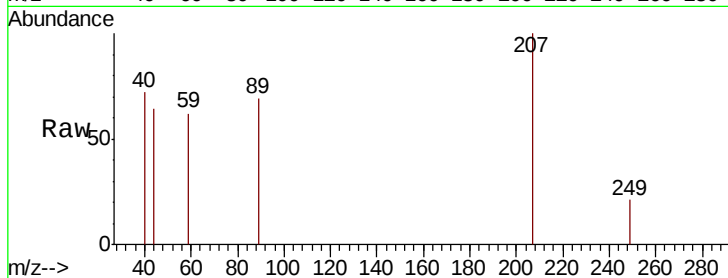




#11
Tert butyl alcohol
Concen: 1.049 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY002603.D
Acq: 06 May 2020 10:25

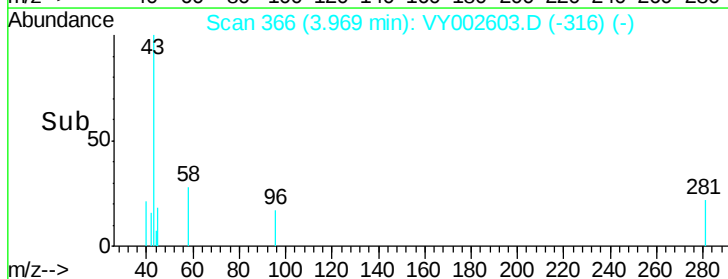
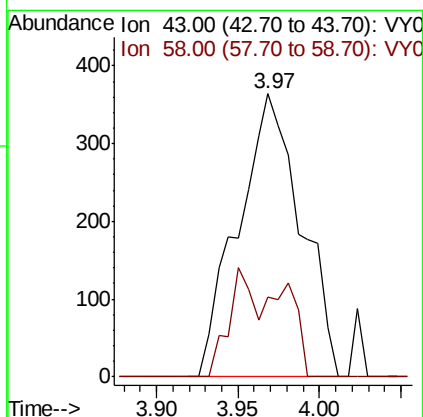
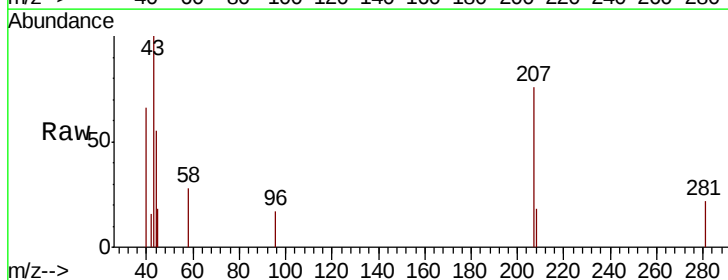
Instrument :
MSVOA_Y
ClientSampled :

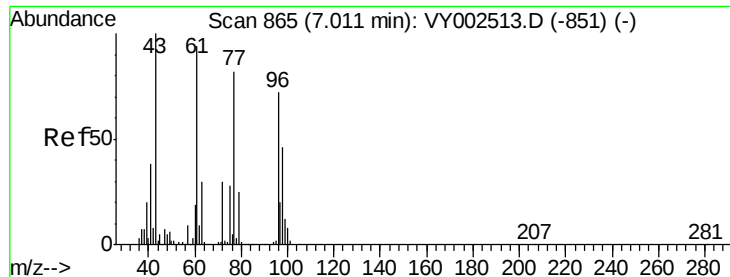
Tot Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.433 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY002603.D
Acq: 06 May 2020 10:25

Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
58 28.0 26.9 40.3

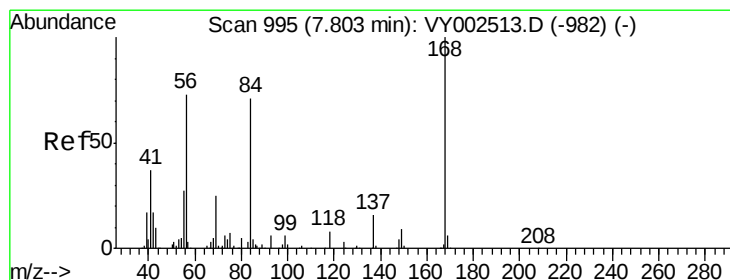
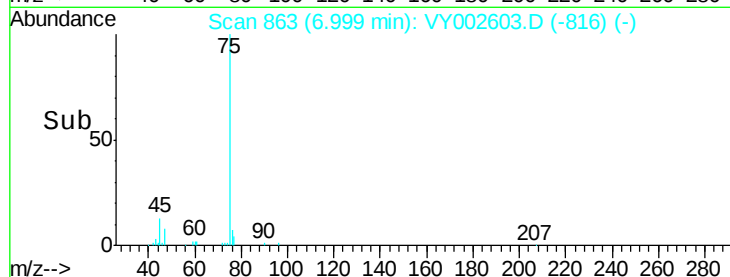
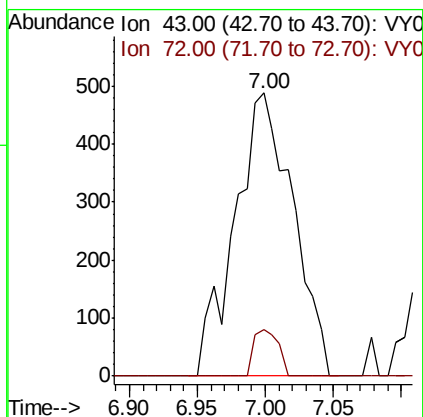
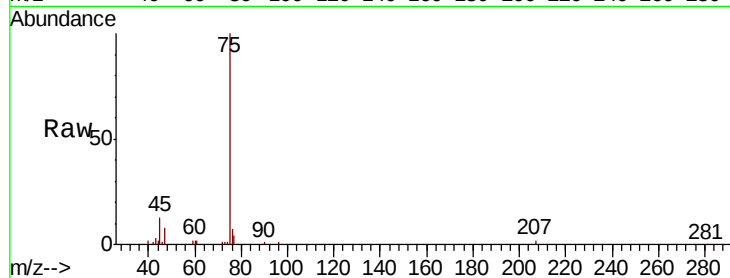




#25
2-Butanone
Concen: 1.304 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002603.D
Acq: 06 May 2020 10:25

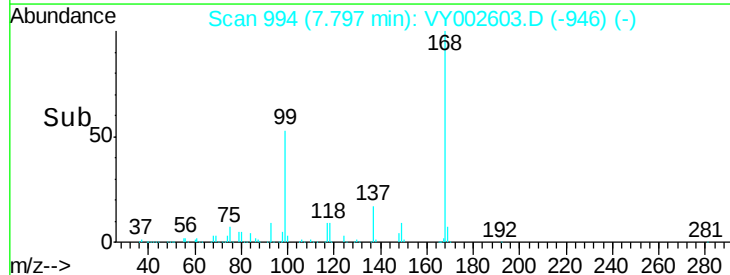
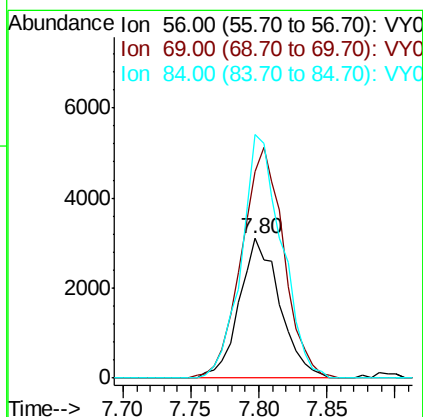
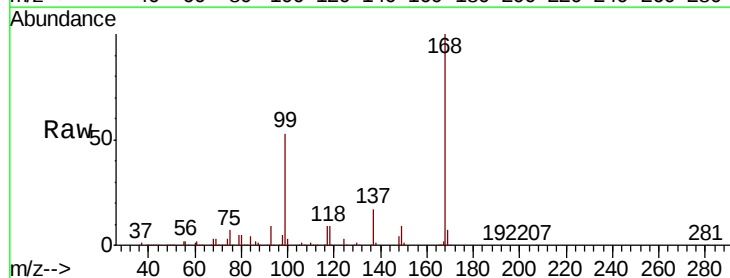
Instrument :
MSVOA_Y
ClientSampled :

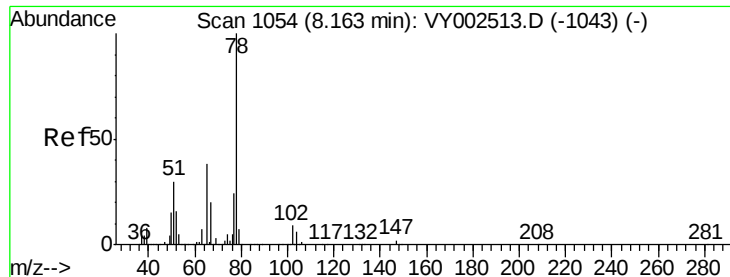
Tot Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
72 16.4 24.1 36.1#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002603.D
Acq: 06 May 2020 10:25

Tgt Ion: 56 Resp: 6484
Ion Ratio Lower Upper
56 100
69 147.6 27.6 41.4#
84 174.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 50.899 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

Instrument :

MSVOA_Y

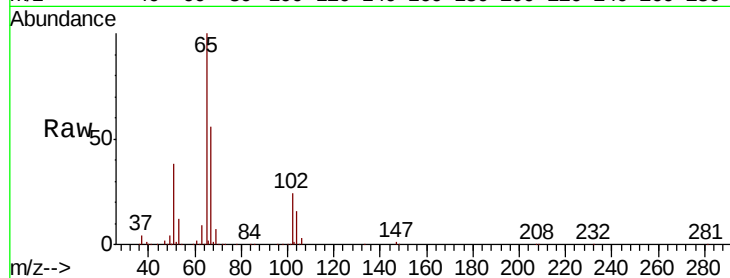
ClientSampleId :

Tot Ion: 65 Resp: 168310

Ion Ratio Lower Upper

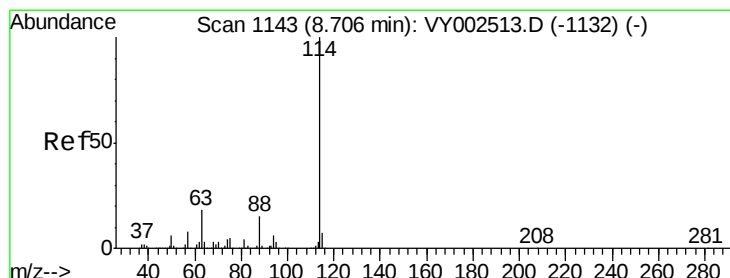
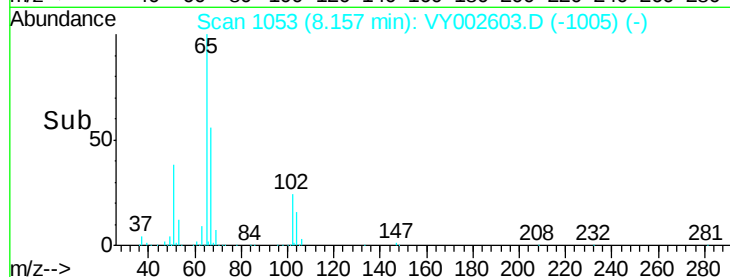
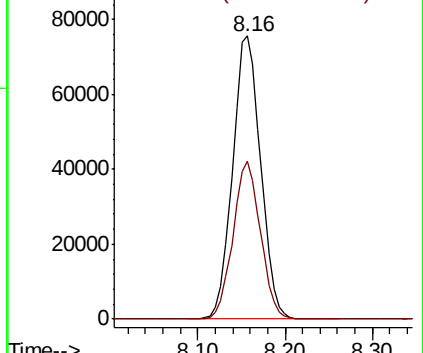
65 100

67 54.5 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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

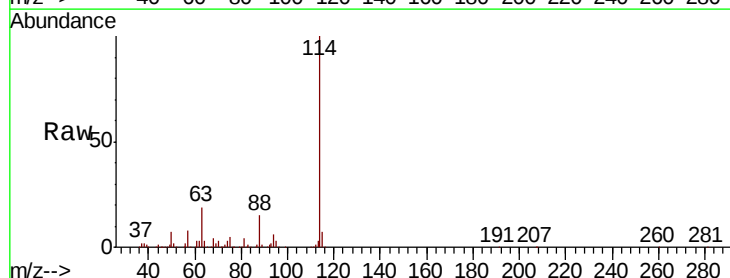
Tgt Ion: 114 Resp: 580719

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

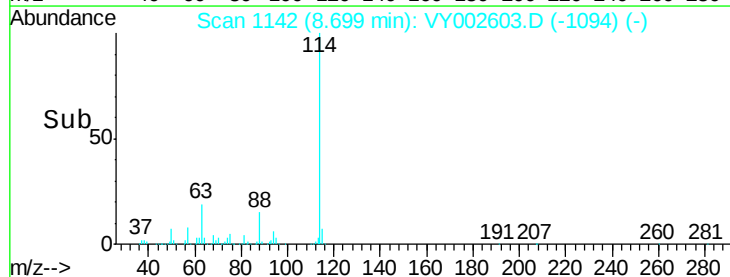
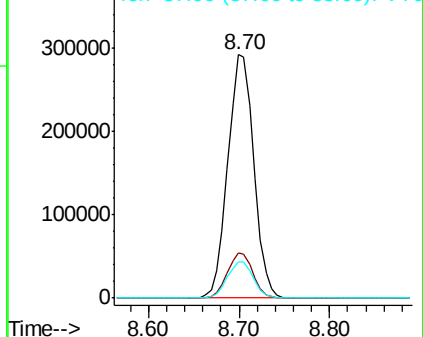
88 14.8 0.0 29.6

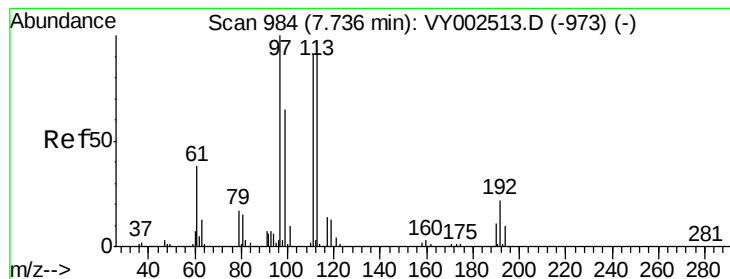


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.401 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

Instrument :
MSVOA_Y
ClientSampled :

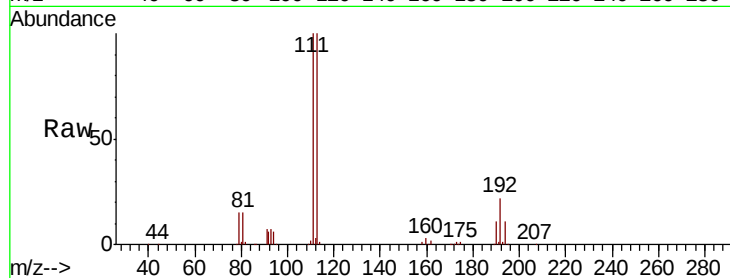
Tot Ion:113 Resp: 177354

Ion Ratio Lower Upper

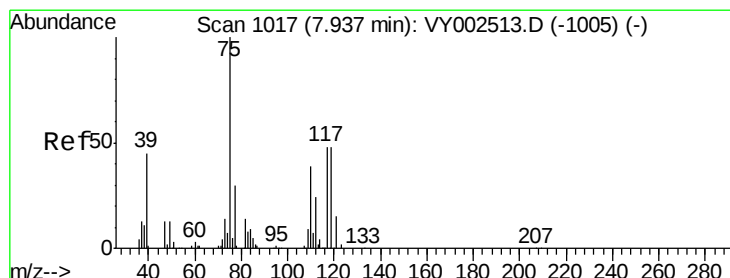
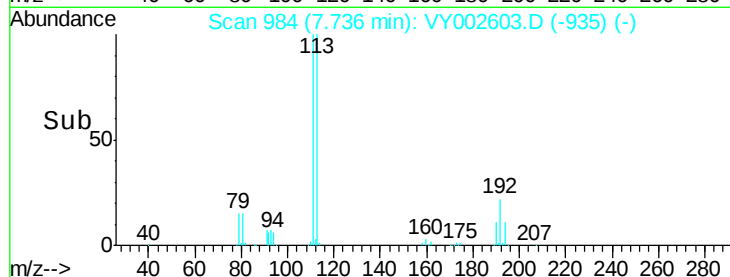
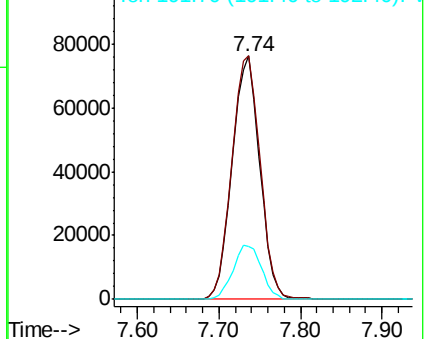
113 100

111 103.0 81.8 122.6

192 23.1 18.2 27.4



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: 5.112 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

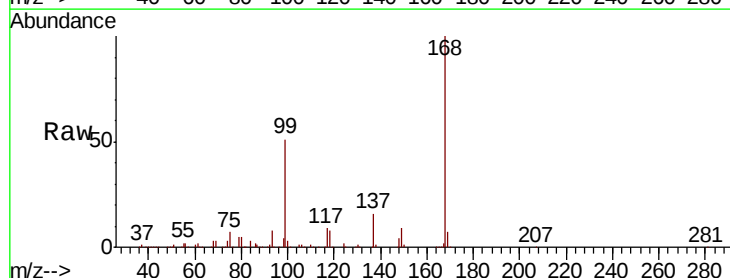
Tgt Ion: 75 Resp: 24887

Ion Ratio Lower Upper

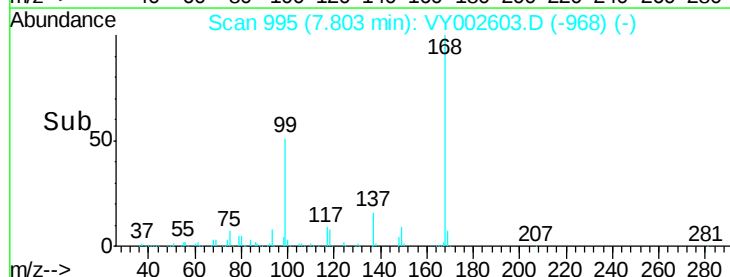
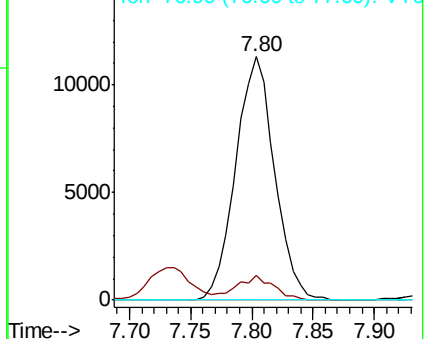
75 100

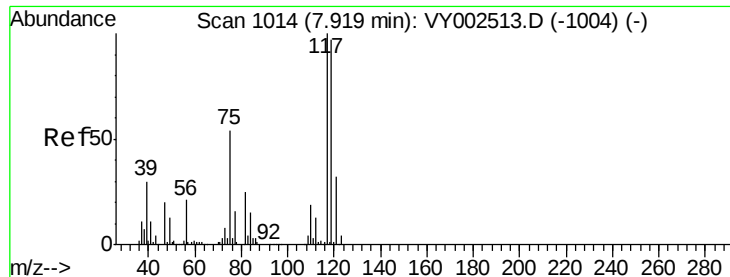
110 9.6 19.1 57.3#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

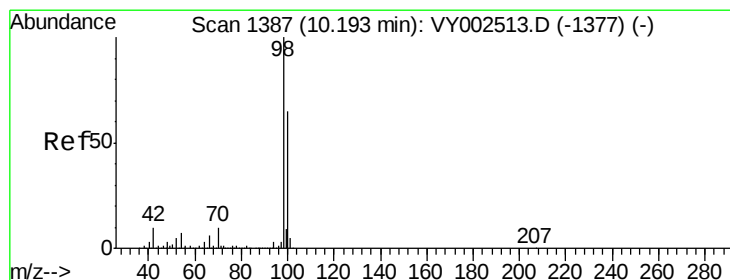
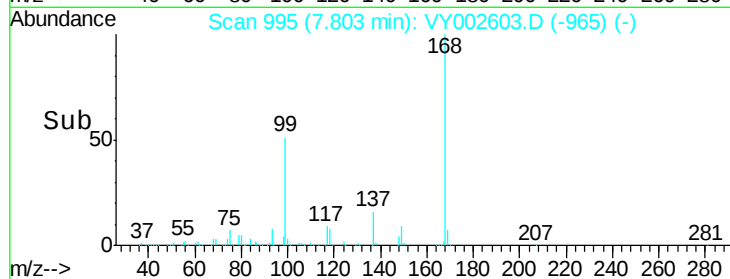
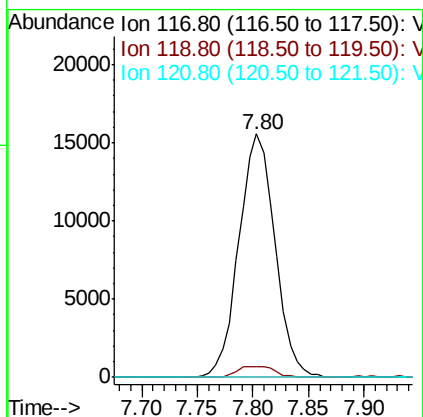
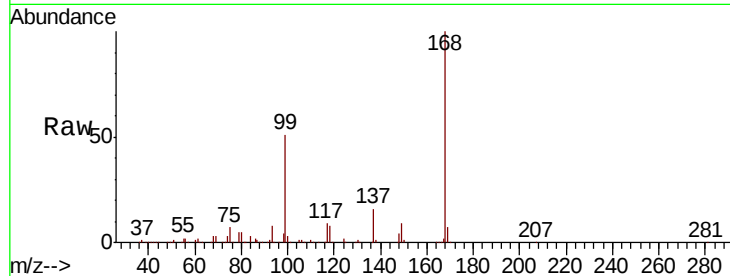




#38
Carbon Tetrachloride
Concen: 6.589 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002603.D
Acq: 06 May 2020 10:25

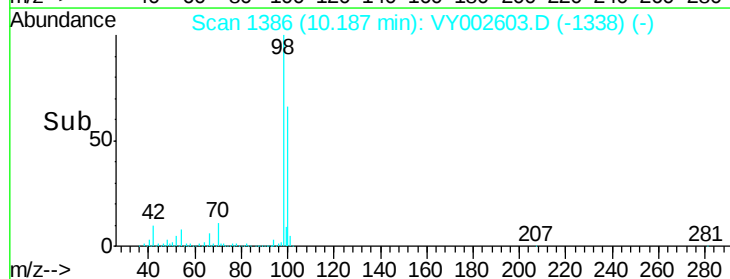
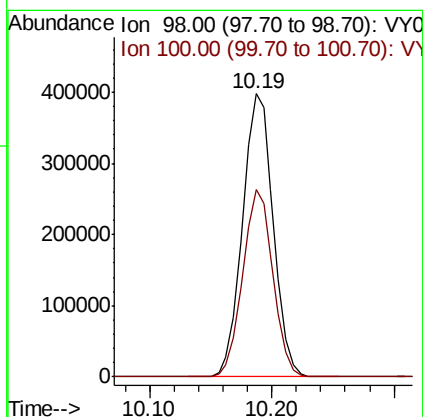
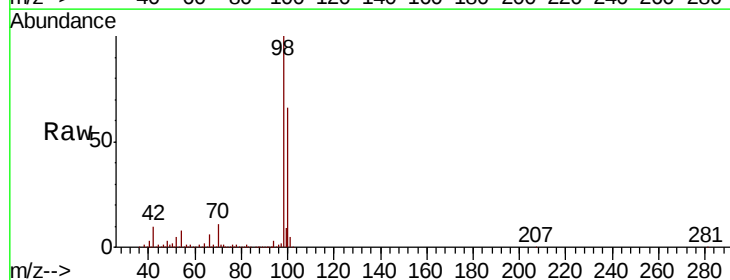
Instrument :
MSVOA_Y
ClientSampled :

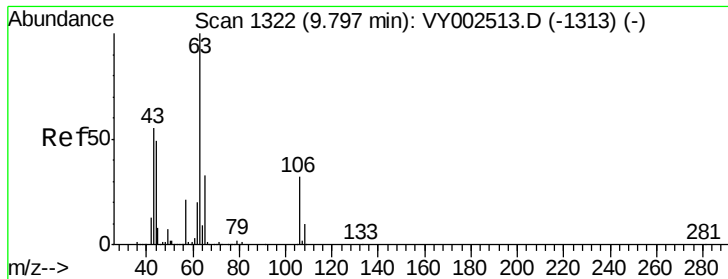
Tot Ion:117 Resp: 35018
Ion Ratio Lower Upper
117 100
119 4.4 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 53.180 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002603.D
Acq: 06 May 2020 10:25

Tgt Ion: 98 Resp: 689718
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

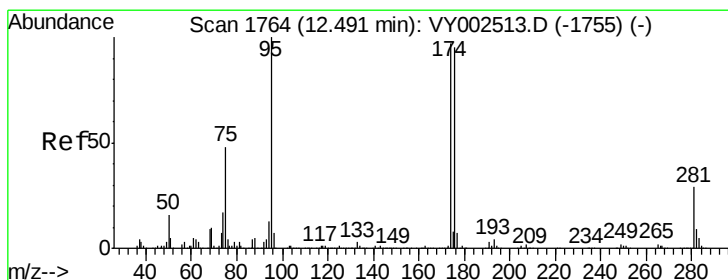
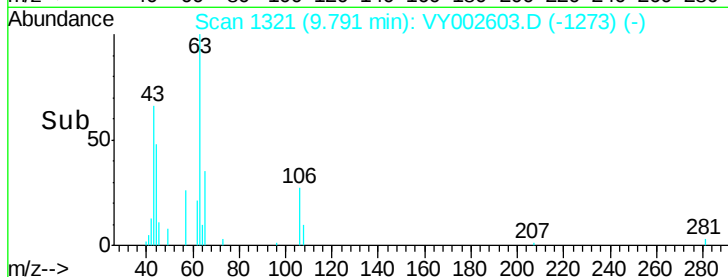
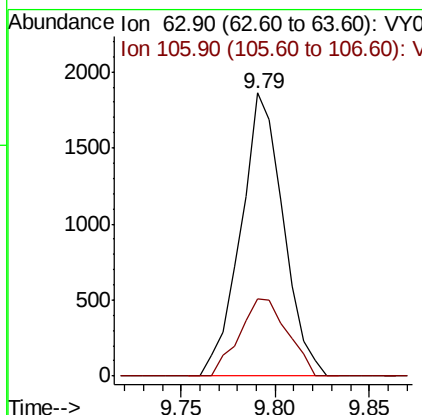
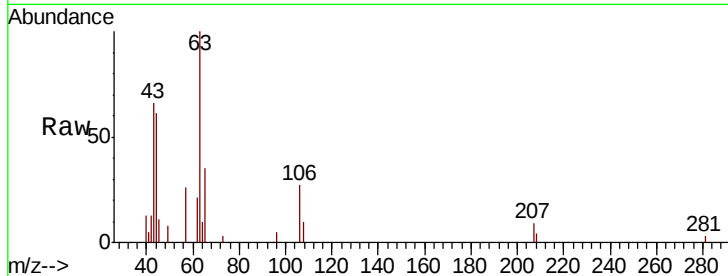




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.459 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002603.D
 Acq: 06 May 2020 10:25

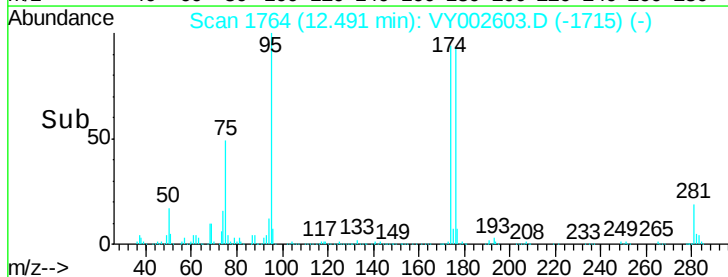
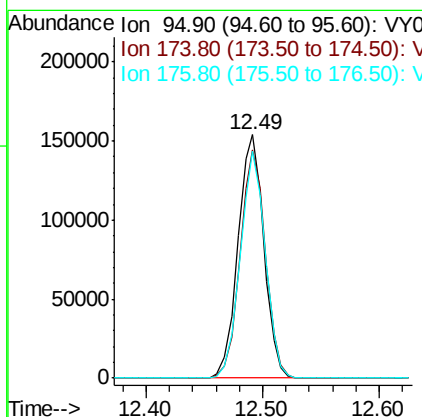
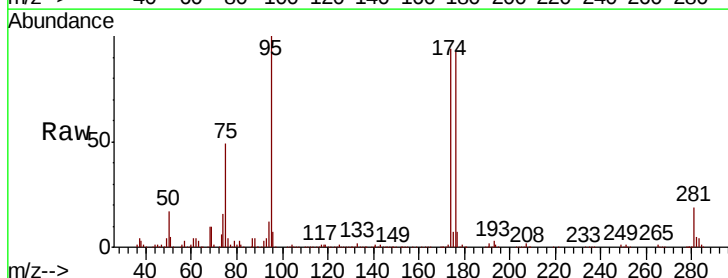
Instrument :
 MSVOA_Y
 ClientSampleId :

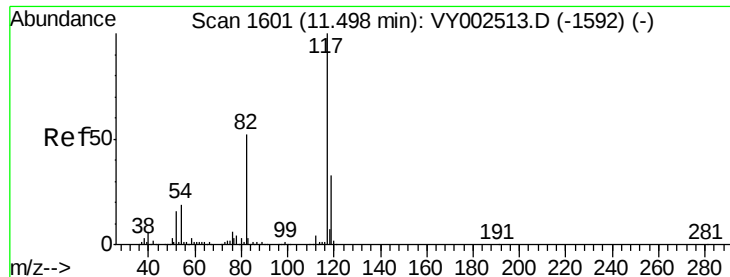
Tot Ion: 63 Resp: 2914
 Ion Ratio Lower Upper
 63 100
 106 30.7 25.2 37.8



#62
 4-Bromofluorobenzene
 Concen: 53.892 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002603.D
 Acq: 06 May 2020 10:25

Tgt Ion: 95 Resp: 237171
 Ion Ratio Lower Upper
 95 100
 174 92.1 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: VY002603.D

Acq: 06 May 2020 10:25

Instrument :

MSVOA_Y

ClientSampled :

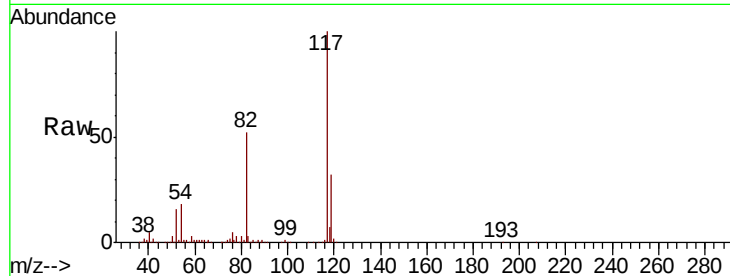
Tot Ion:117 Resp: 529729

Ion Ratio Lower Upper

117 100

82 51.6 41.3 61.9

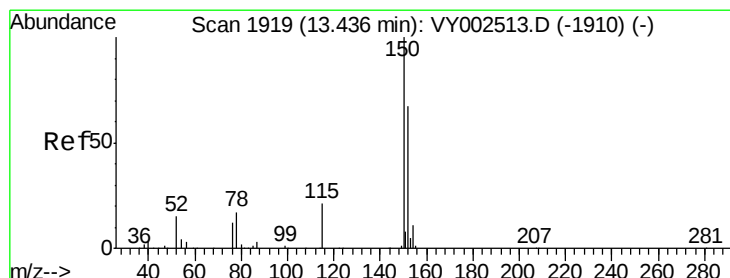
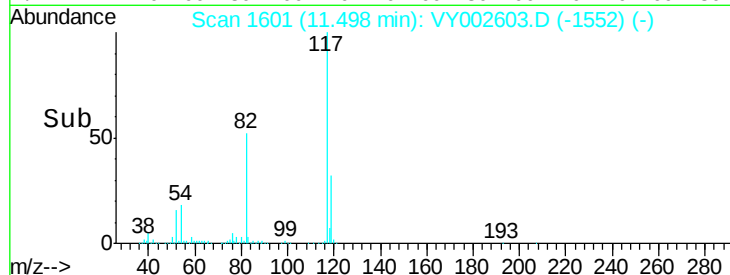
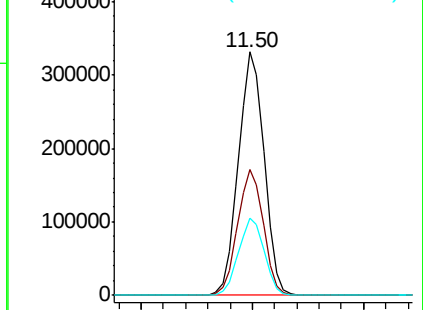
119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

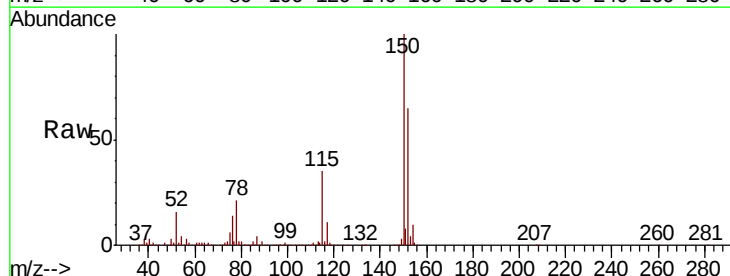
Tgt Ion:152 Resp: 274849

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

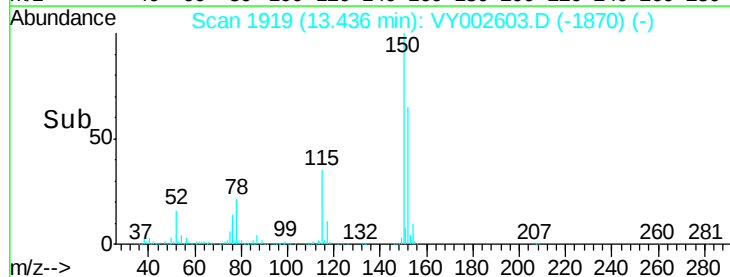
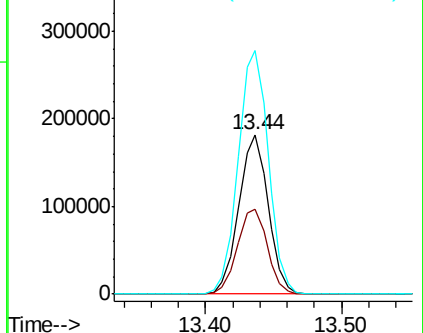
150 156.6 0.0 346.4

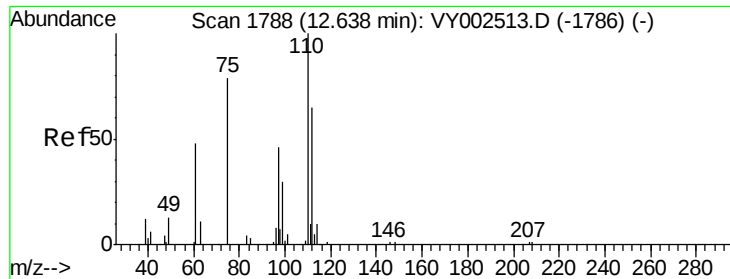


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 47.228 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

Instrument :

MSVOA_Y

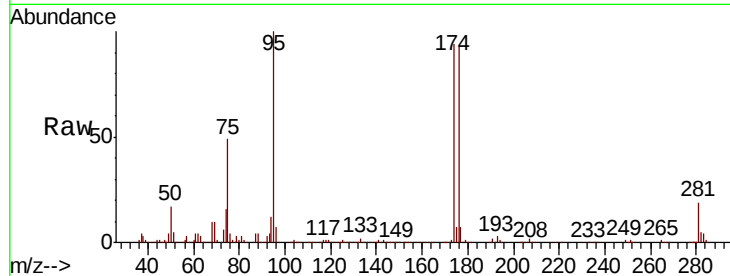
ClientSampleId :

Tot Ion: 75 Resp: 115355

Ion Ratio Lower Upper

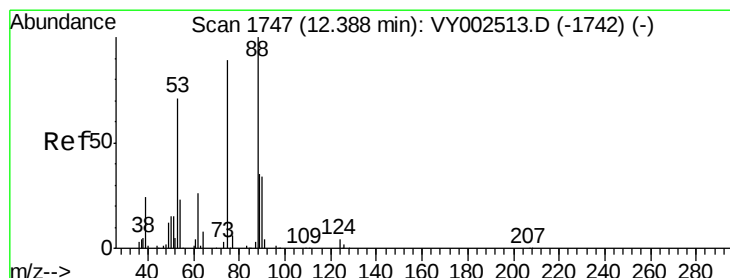
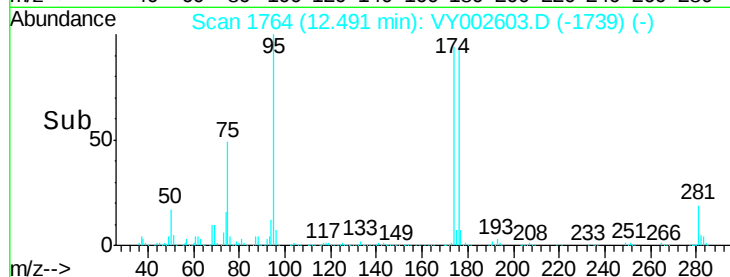
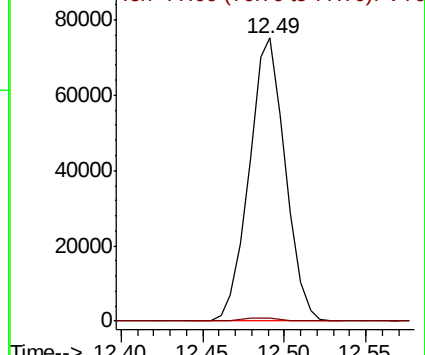
75 100

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: 94.702 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

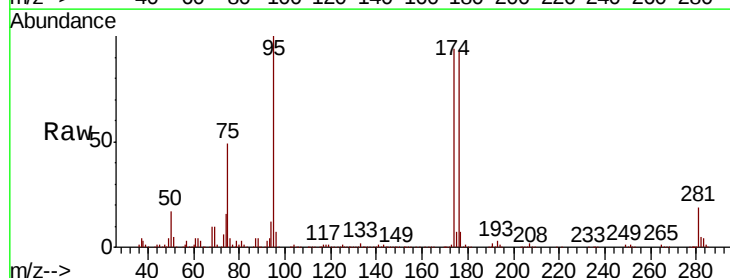
Tgt Ion: 75 Resp: 115355

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

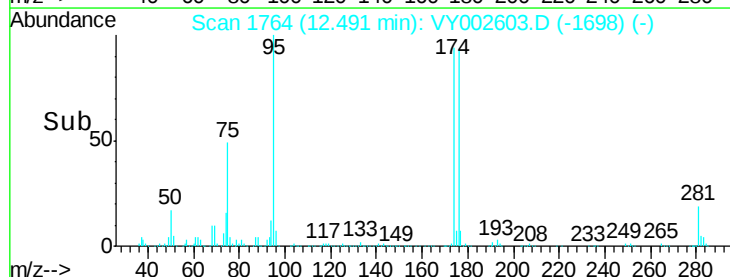
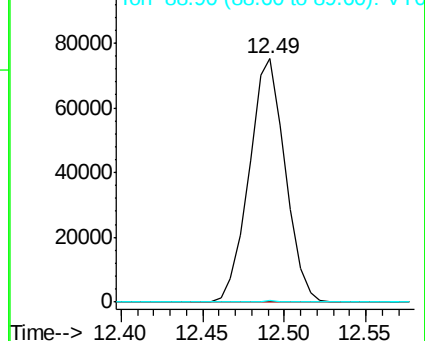
89 0.4 37.4 56.0#

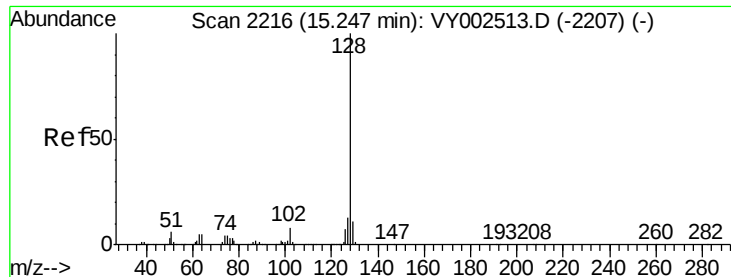


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.300 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

Instrument :

MSVOA_Y

ClientSampleId :

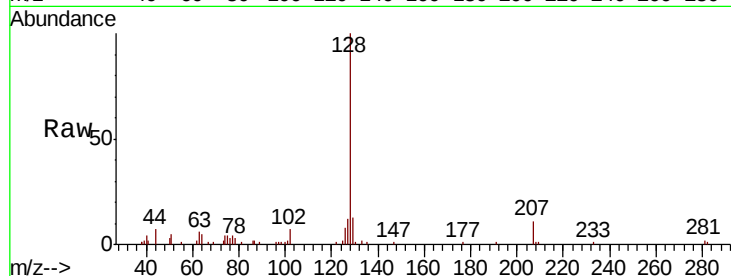
Tot Ion:128 Resp: 12941

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

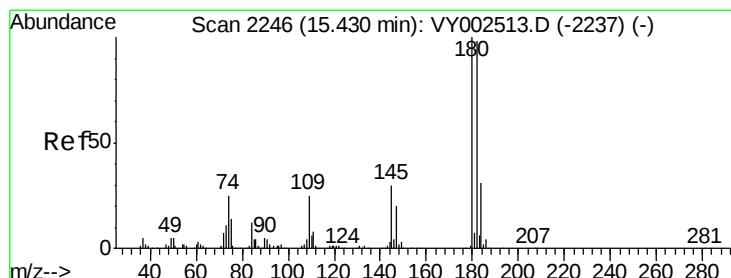
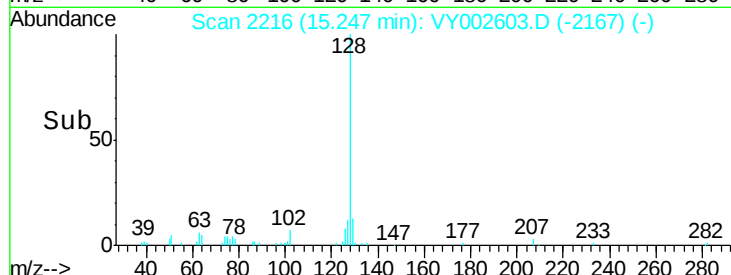
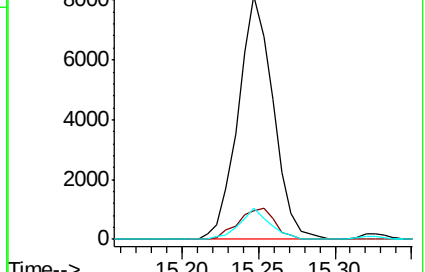
129 10.9 8.8 13.2



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: 1.366 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002603.D

Acq: 06 May 2020 10:25

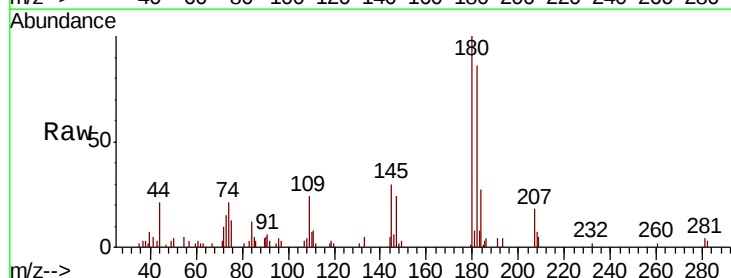
Tgt Ion:180 Resp: 6328

Ion Ratio Lower Upper

180 100

182 92.0 47.9 143.8

145 31.0 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

