

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110420\
 Data File : VY003512.D
 Acq On : 04 Nov 2020 17:03
 Operator : SY/MD
 Sample : L4633-03
 Misc : 5.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-3

Quant Time: Nov 05 00:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

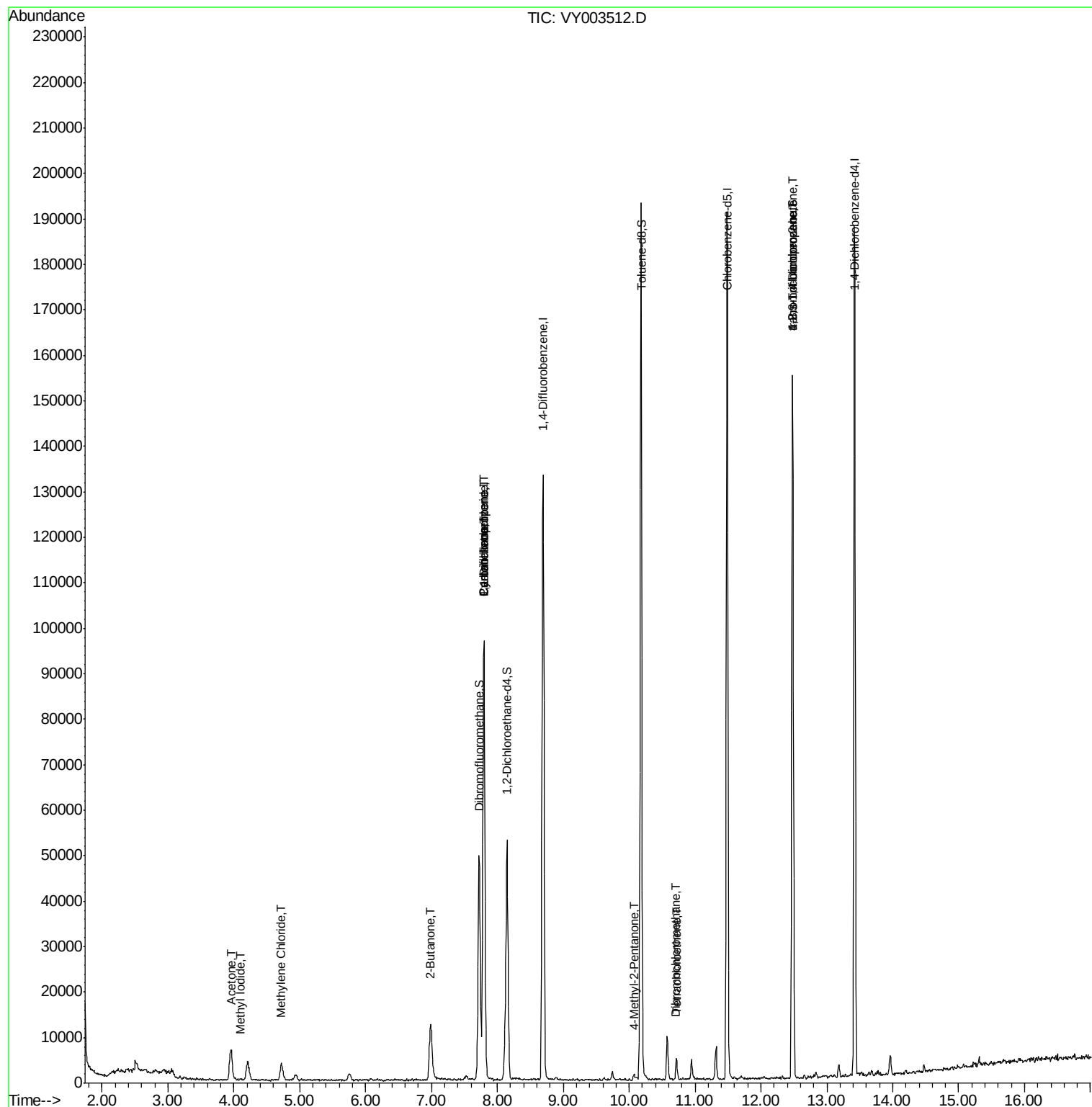
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	78839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	114807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	104357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	50552	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	39363	48.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.40%	
35) Dibromofluoromethane	7.72	113	34582	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
50) Toluene-d8	10.18	98	128541	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
62) 4-Bromofluorobenzene	12.48	95	39413	40.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.86%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.10	142	134	4.788	ug/l #	61
11) Tert butyl alcohol	4.93	59	710	Below Cal	#	73
16) Acetone	3.96	43	12280	46.057	ug/l	91
20) Methylene Chloride	4.72	84	2679	3.568	ug/l #	88
25) 2-Butanone	6.99	43	456	1.367	ug/l #	50
31) Cyclohexane	7.79	56	1586	1.309	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	5487	5.069	ug/l #	49
38) Carbon Tetrachloride	7.80	117	7023	6.254	ug/l #	17
51) 4-Methyl-2-Pentanone	10.07	43	887	1.378	ug/l	90
60) Dibromochloromethane	10.70	129	930	1.274	ug/l #	11
64) Tetrachloroethene	10.72	164	1097	1.408	ug/l #	74
76) 1,2,3-Trichloropropane	12.48	75	21077	39.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	21077	82.246	ug/l #	12

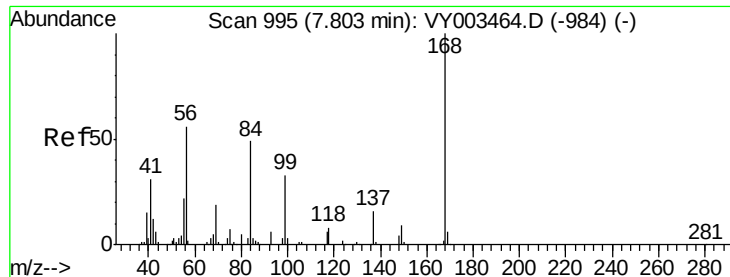
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003512.D

Acq: 04 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

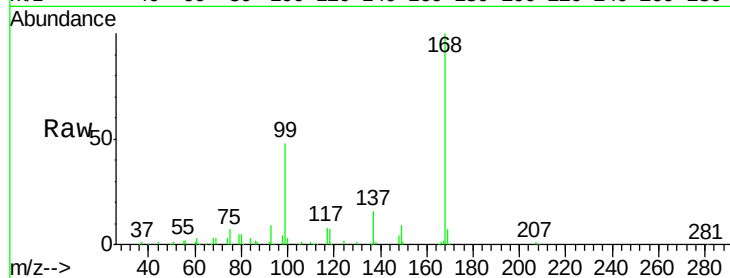
DB-3

Tot Ion:168 Resp: 78839

Ion Ratio Lower Upper

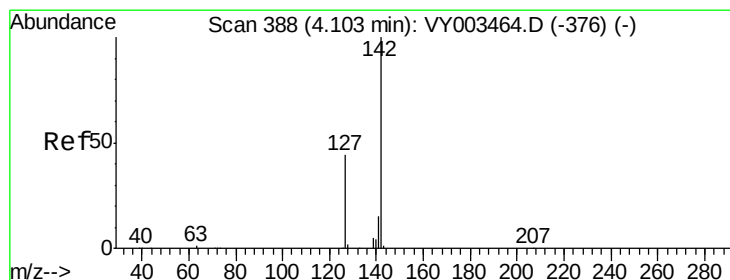
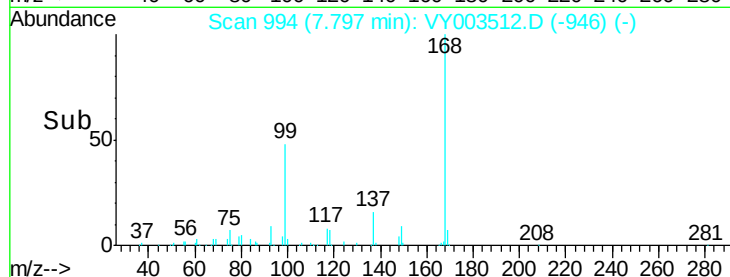
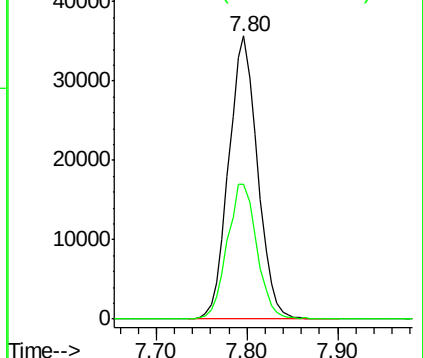
168 100

99 47.9 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 4.788 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003512.D

Acq: 04 Nov 2020 17:03

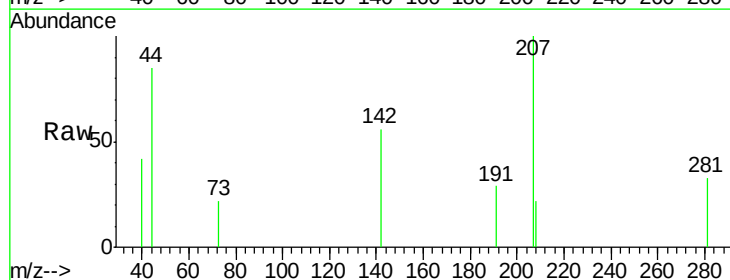
Tgt Ion:142 Resp: 134

Ion Ratio Lower Upper

142 100

127 17.2 34.5 51.7#

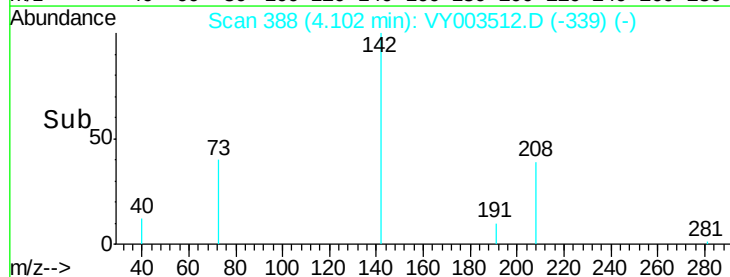
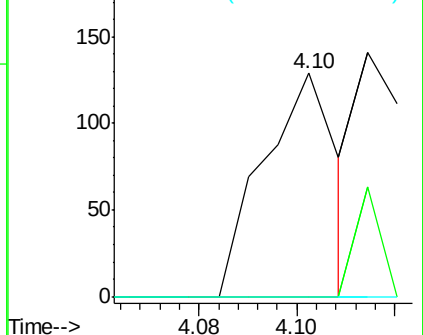
141 0.0 11.8 17.8#

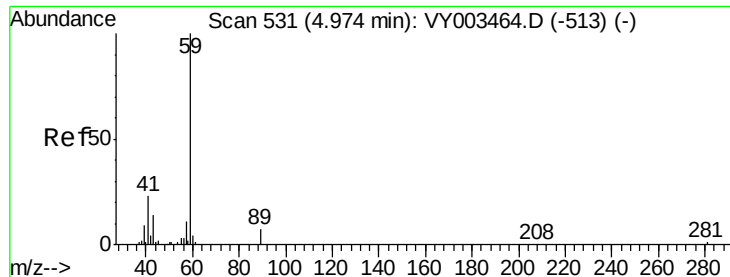


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



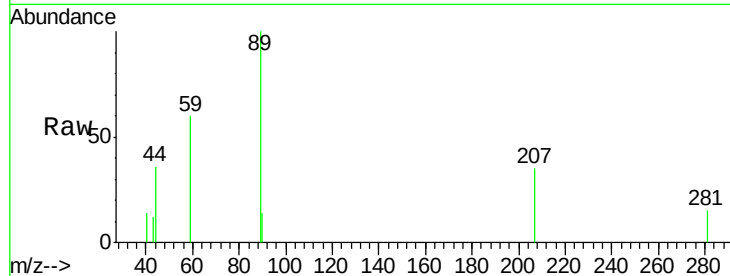


#11

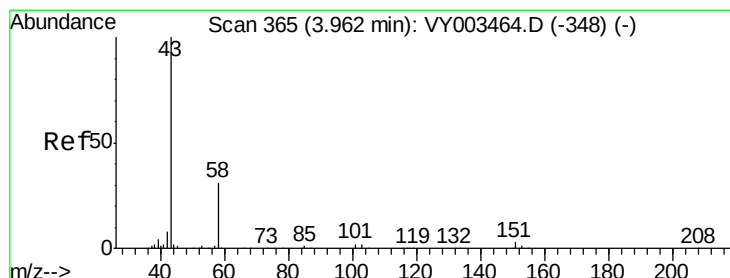
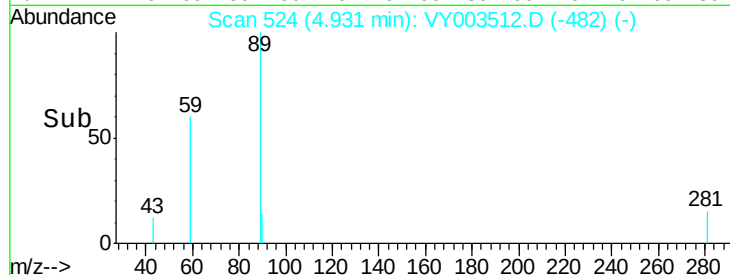
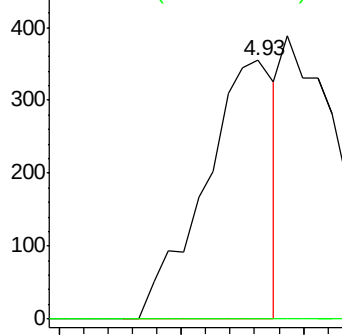
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.93 min Scan# 524
 Delta R.T. -0.04 min
 Lab File: VY003512.D
 Acq: 04 Nov 2020 17:03

Instrument :
 MSVOA_Y
 ClientSampled :
 DB-3

Tot Ion: 59 Resp: 710
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#



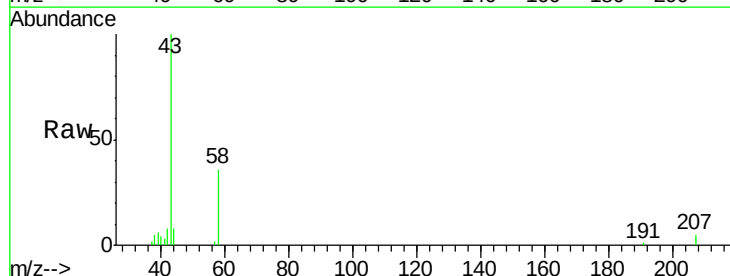
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



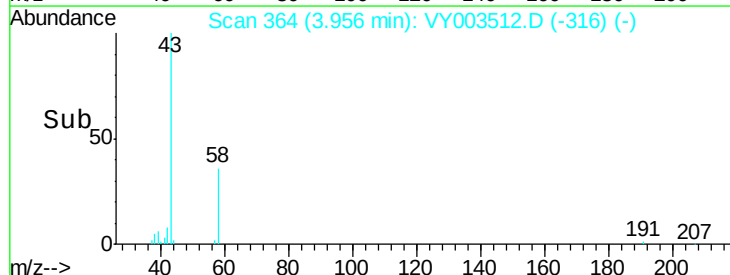
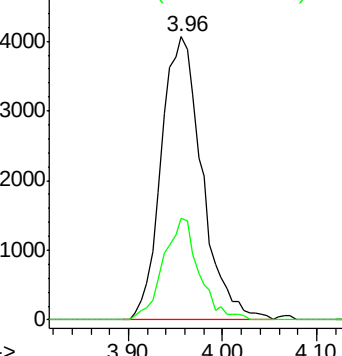
#16

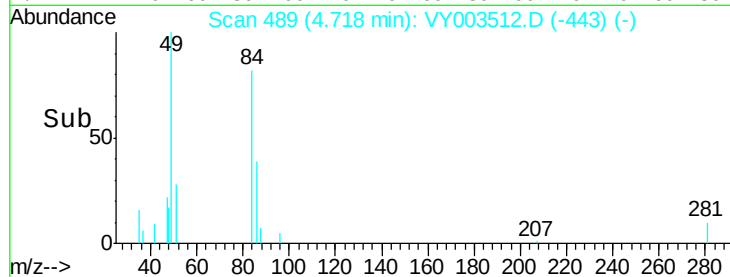
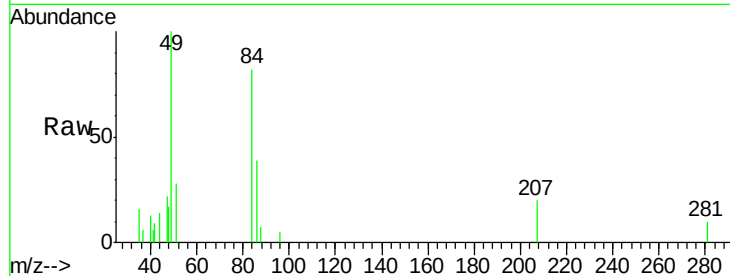
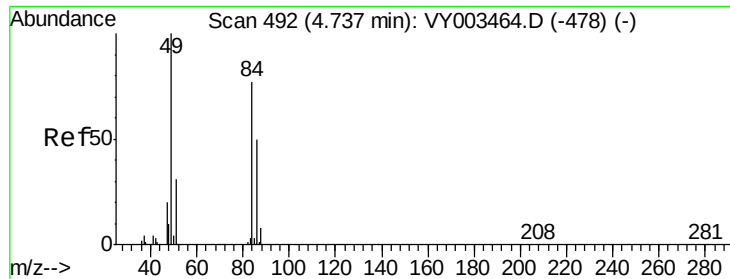
Acetone
 Concen: 46.057 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY003512.D
 Acq: 04 Nov 2020 17:03

Tgt Ion: 43 Resp: 12280
 Ion Ratio Lower Upper
 43 100
 58 35.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

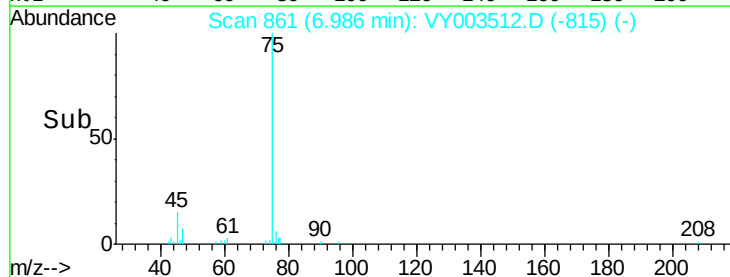
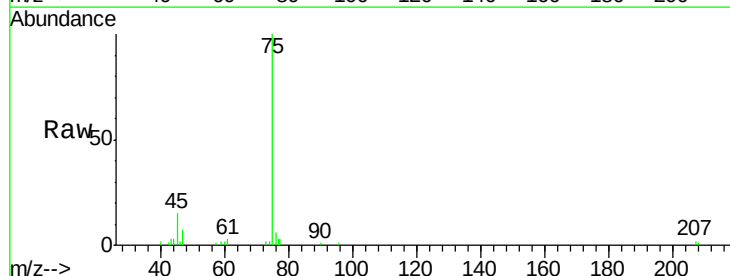
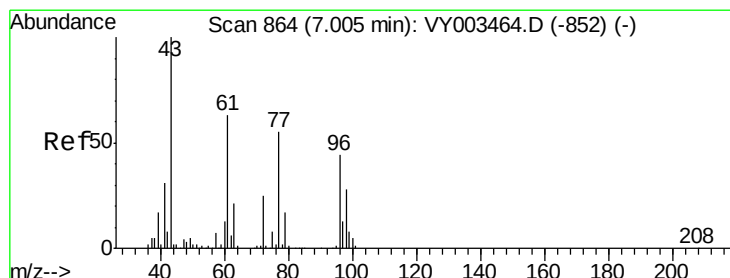
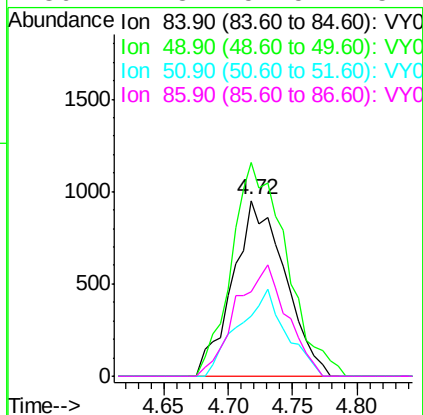




#20
Methylene Chloride
Concen: 3.568 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

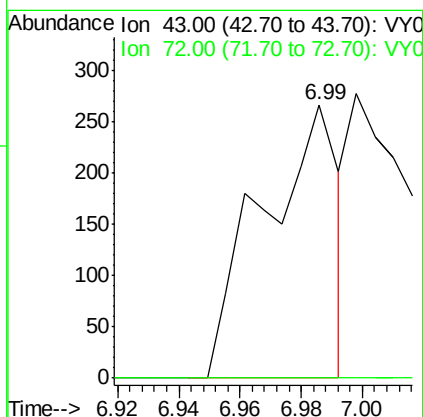
Instrument :
MSVOA_Y
ClientSampleId :
DB-3

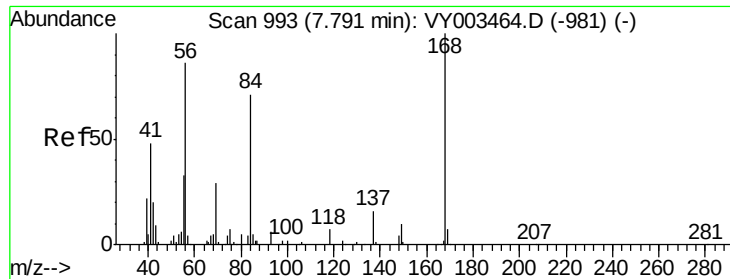
Tot Ion: 84 Resp: 2679
Ion Ratio Lower Upper
84 100
49 121.4 104.3 156.5
51 33.9 32.5 48.7
86 47.8 52.5 78.7#



#25
2-Butanone
Concen: 1.367 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.02 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#

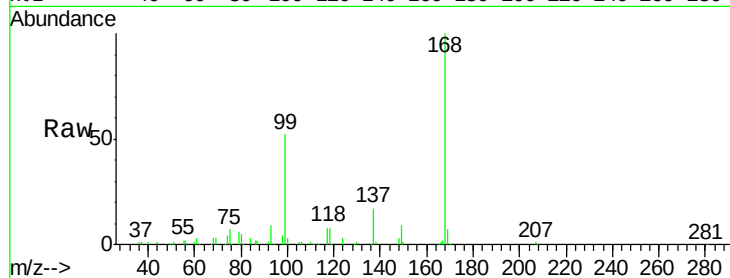




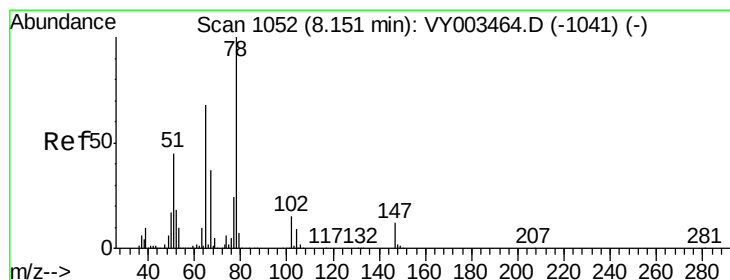
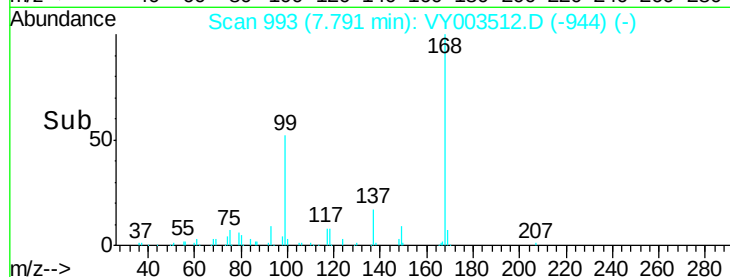
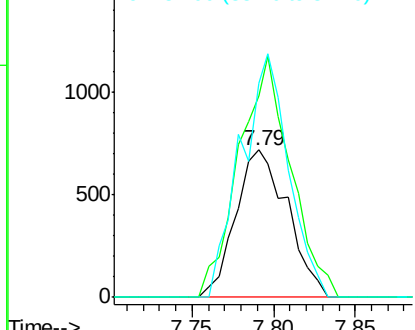
#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Instrument :
MSVOA_Y
ClientSampled :
DB-3

Tot Ion: 56 Resp: 1586
Ion Ratio Lower Upper
56 100
69 136.5 26.6 39.8#
84 145.1 65.9 98.9#

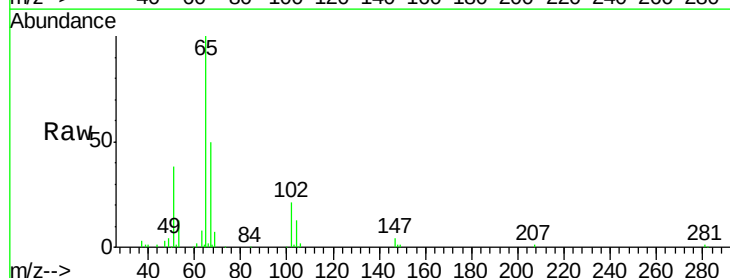


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

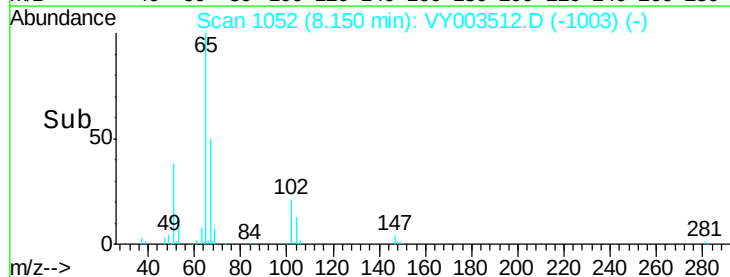
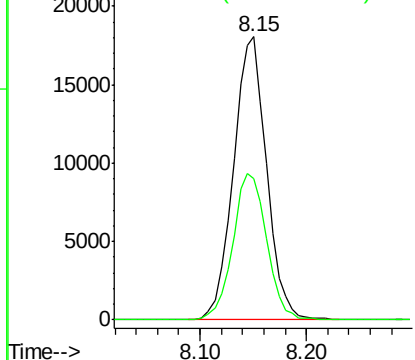


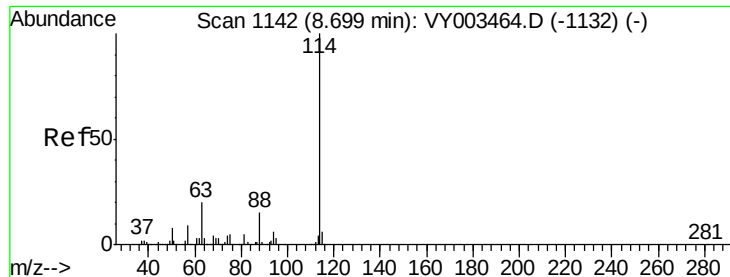
#33
1,2-Dichloroethane-d4
Concen: 48.702 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Tgt Ion: 65 Resp: 39363
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.0



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

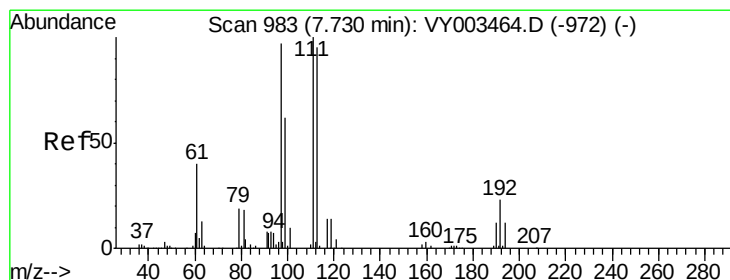
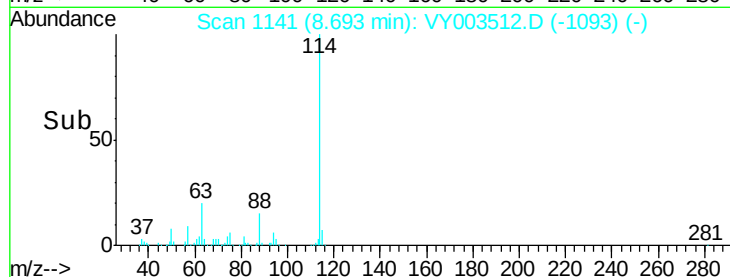
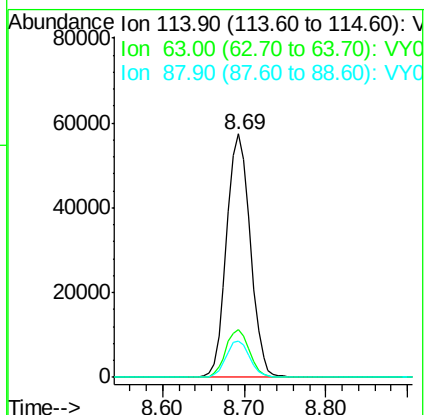
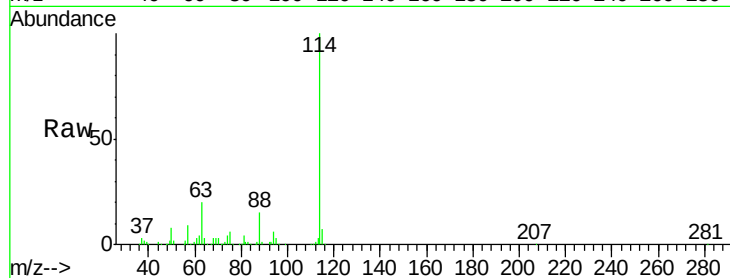




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

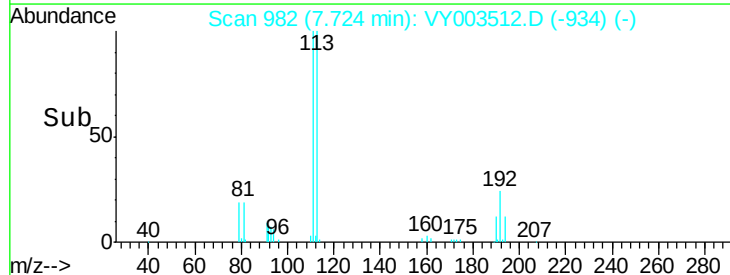
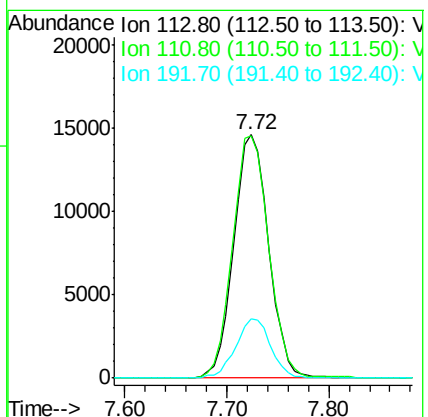
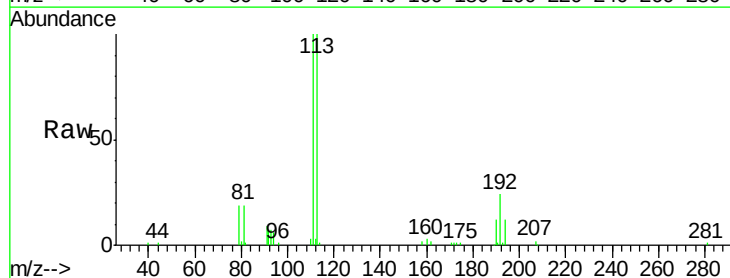
Instrument :
MSVOA_Y
ClientSampleId :
DB-3

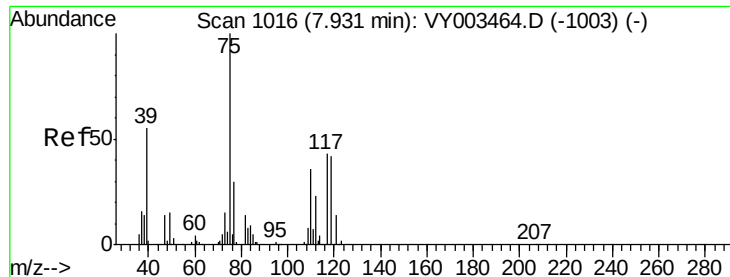
Tot Ion:114 Resp: 114807
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.6
88 15.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.500 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Tgt Ion:113 Resp: 34582
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 24.4 18.8 28.2





#36

1,1-Dichloropropene

Concen: 5.069 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.14 min

Lab File: VY003512.D

Acq: 04 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

DB-3

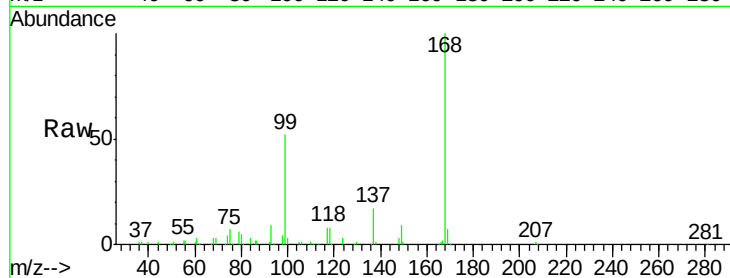
Tot Ion: 75 Resp: 5487

Ion Ratio Lower Upper

75 100

110 8.6 17.6 52.9#

77 0.0 24.7 37.1#

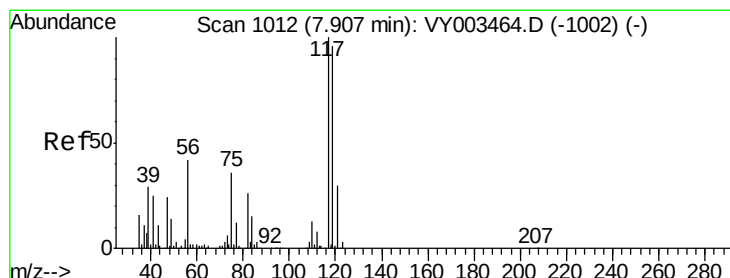
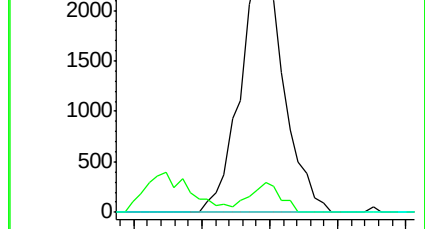
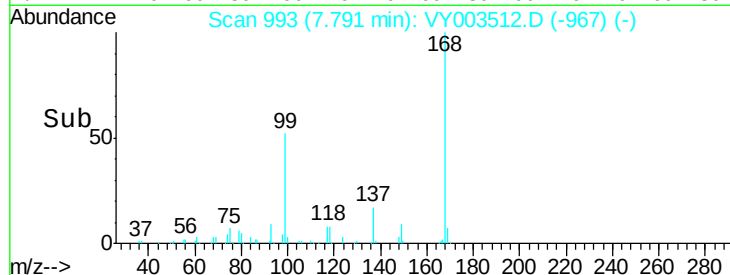


Abundance Ion 74.90 (74.60 to 75.60): VY003512.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY003512.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY003512.D (-967) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.254 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY003512.D

Acq: 04 Nov 2020 17:03

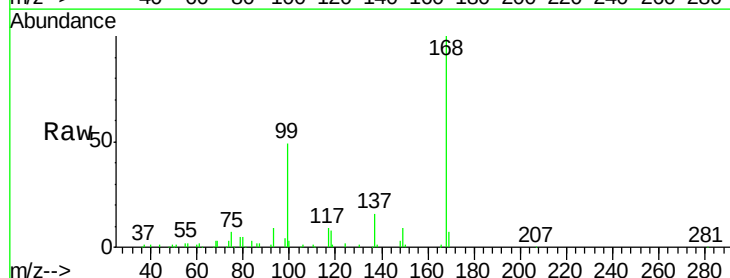
Tgt Ion: 117 Resp: 7023

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.4#

121 0.0 24.2 36.4#

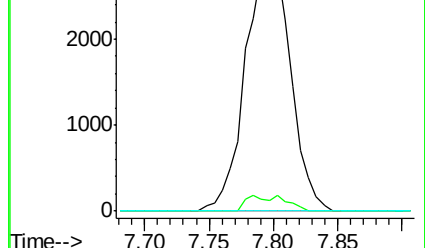
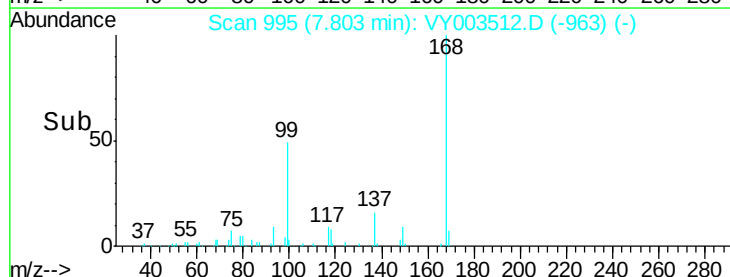


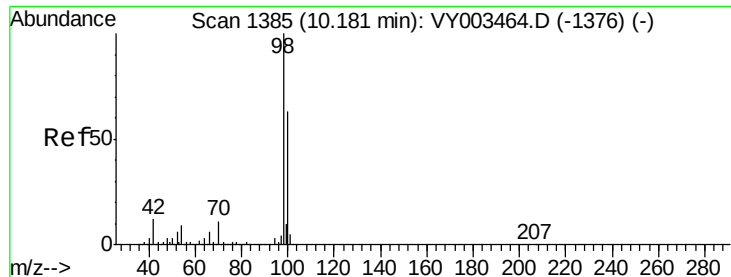
Abundance Ion 116.80 (116.50 to 117.50): VY003512.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003512.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003512.D (-963) (-)

Time-->

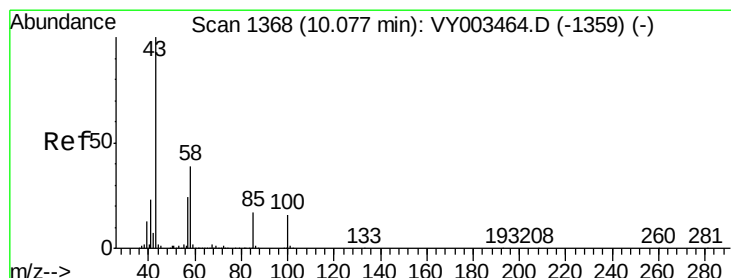
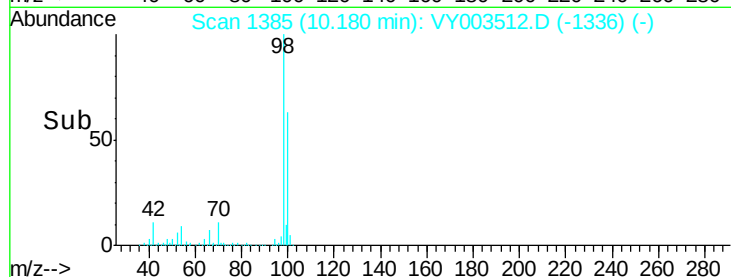
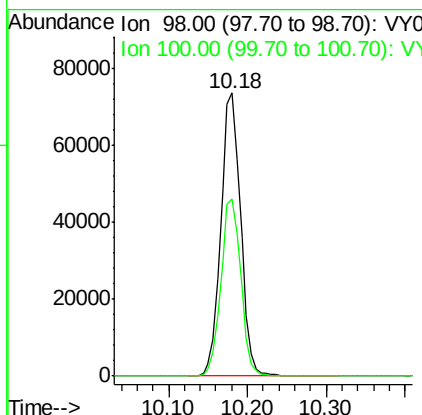
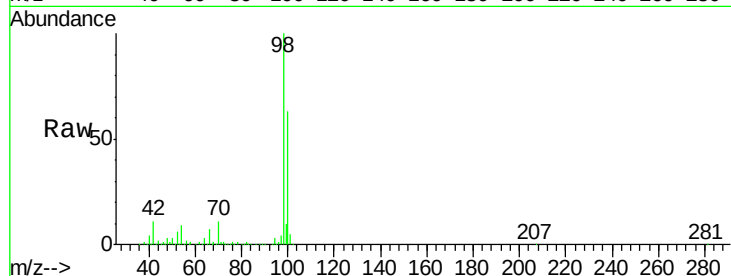




#50
Toluene-d8
Concen: 44.228 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

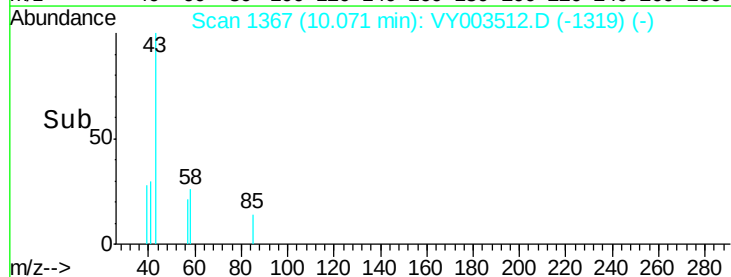
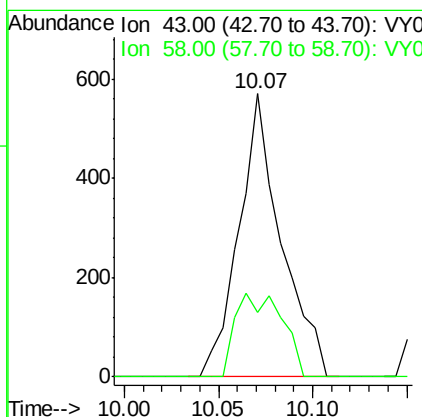
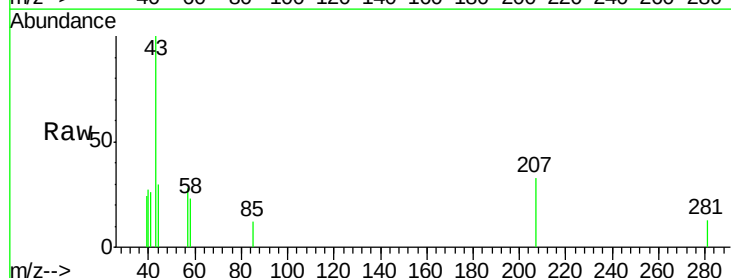
Instrument :
MSVOA_Y
ClientSampled :
DB-3

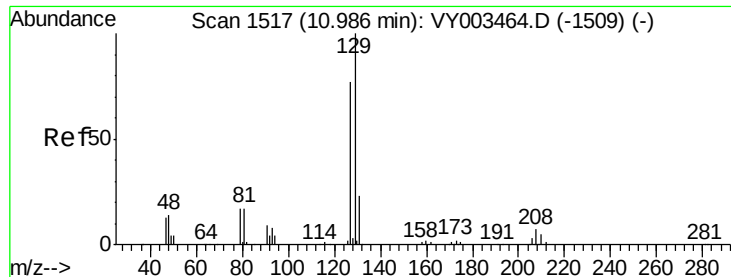
Tot Ion: 98 Resp: 128541
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.378 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
58 32.6 31.0 46.4

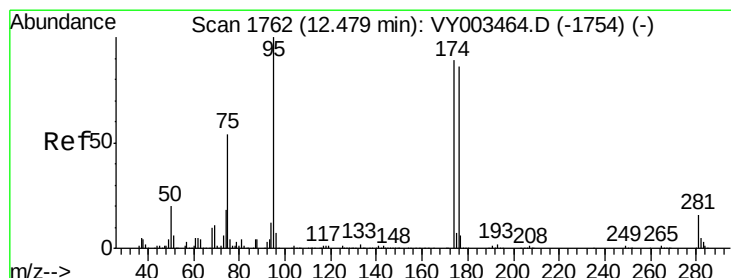
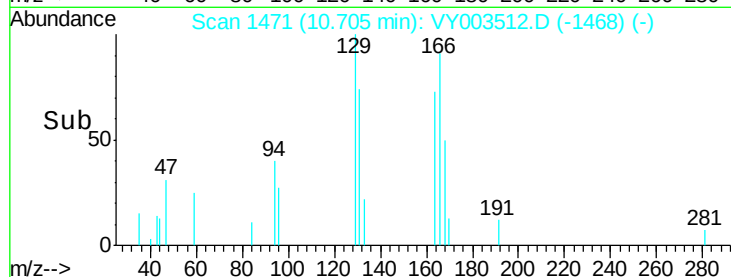
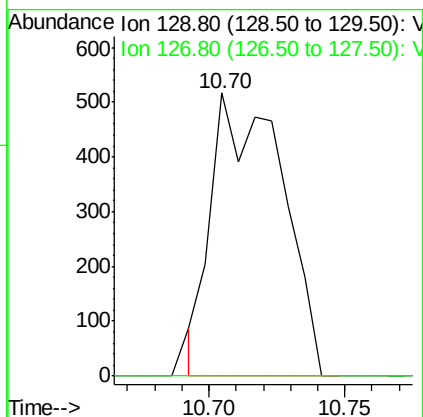
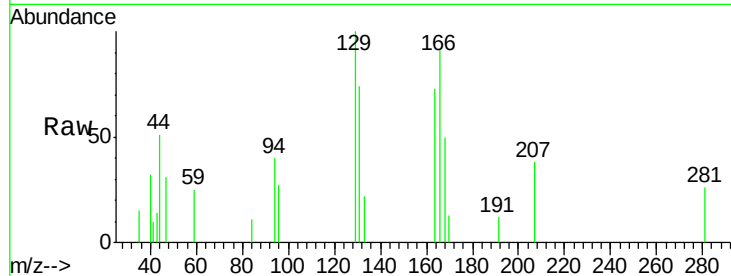




#60
Dibromochloromethane
Concen: 1.274 ug/l
RT: 10.70 min Scan# 1471
Delta R.T. -0.28 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

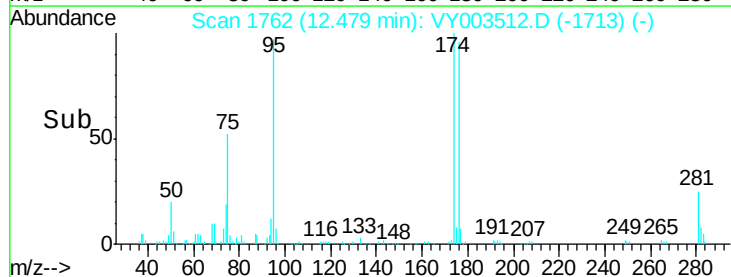
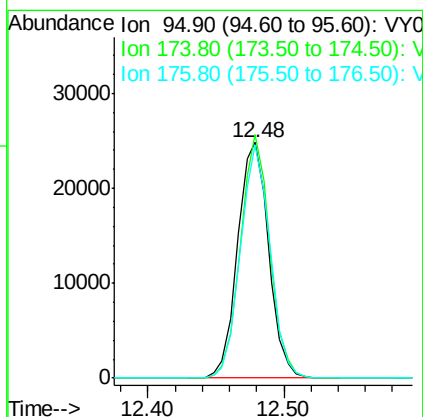
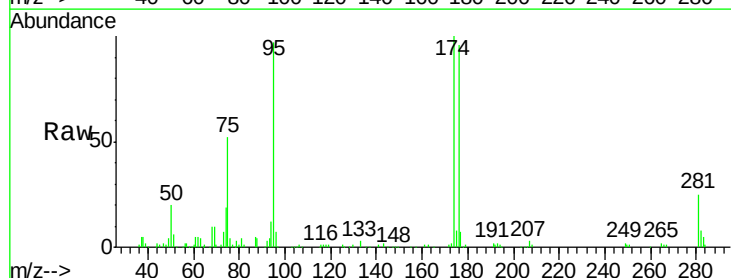
Instrument :
MSVOA_Y
ClientSampleId :
DB-3

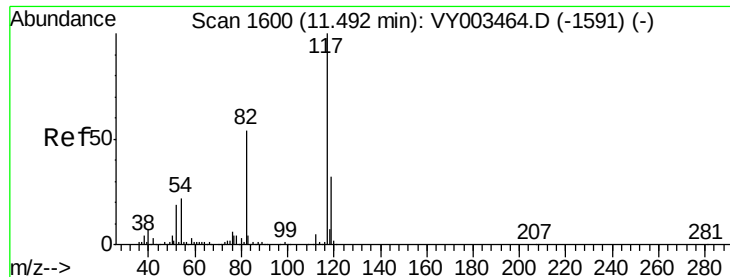
Tot Ion:129 Resp: 930
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 40.929 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Tgt Ion: 95 Resp: 39413
Ion Ratio Lower Upper
95 100
174 98.1 0.0 193.0
176 94.6 0.0 187.4

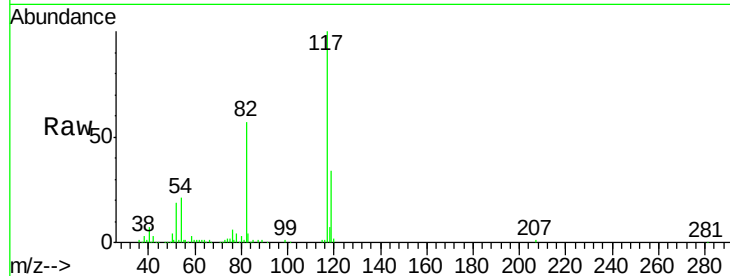




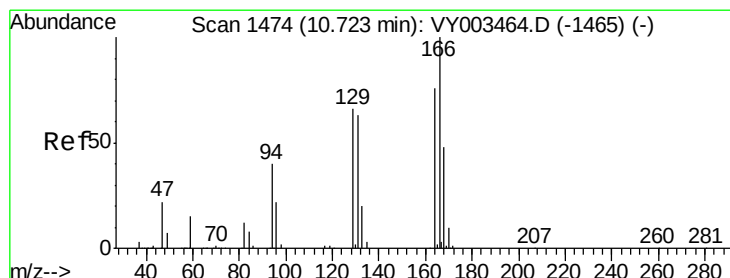
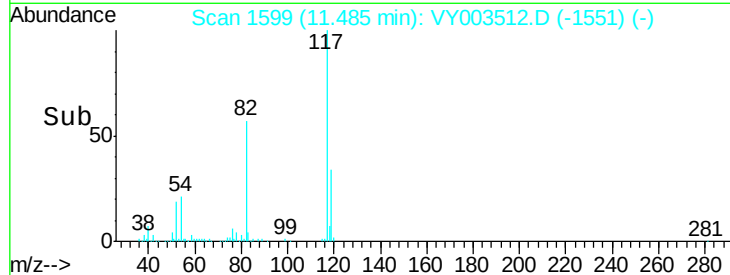
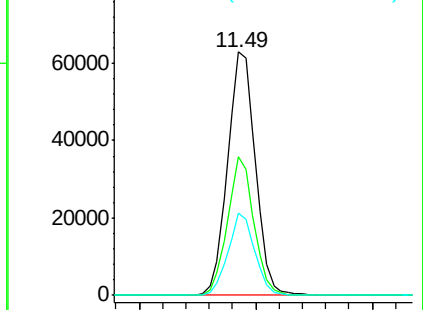
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Instrument :
MSVOA_Y
ClientSampleId :
DB-3

Tot Ion:117 Resp: 104357
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.2
119 33.7 25.8 38.6

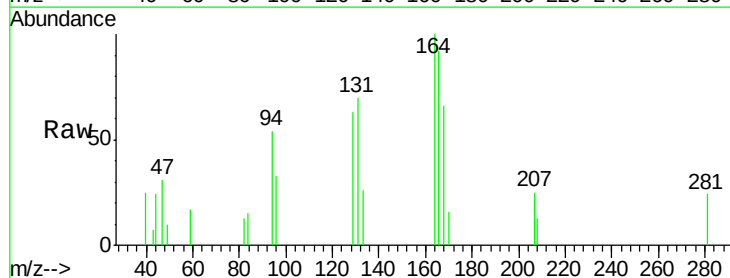


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

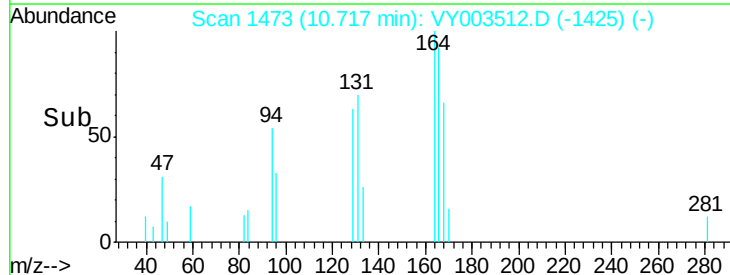
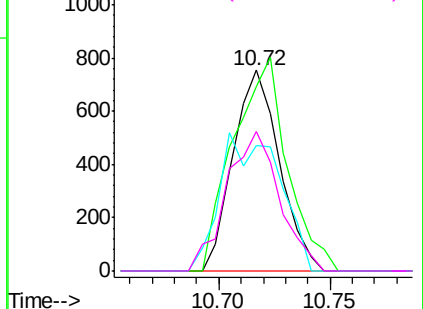


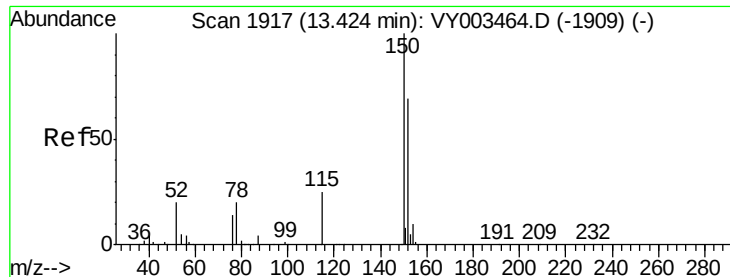
#64
Tetrachloroethene
Concen: 1.408 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY003512.D
Acq: 04 Nov 2020 17:03

Tgt Ion:164 Resp: 1097
Ion Ratio Lower Upper
164 100
166 92.0 104.9 157.3#
129 62.6 68.9 103.3#
131 69.6 66.2 99.2



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# 1916

Delta R.T. -0.01 min

Lab File: VY003512.D

Acq: 04 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

DB-3

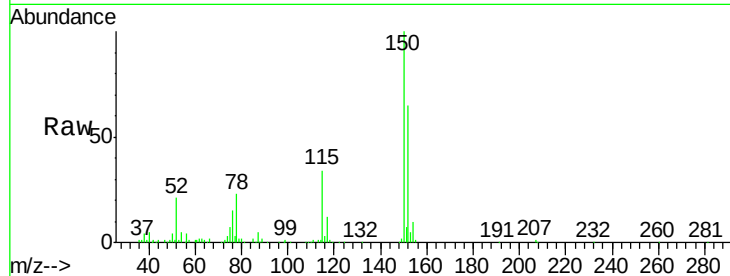
Tot Ion:152 Resp: 50552

Ion Ratio Lower Upper

152 100

115 52.6 27.5 82.4

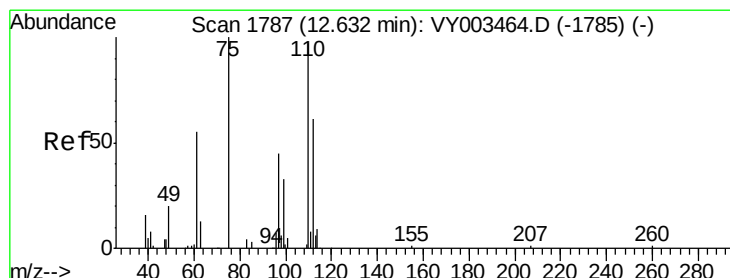
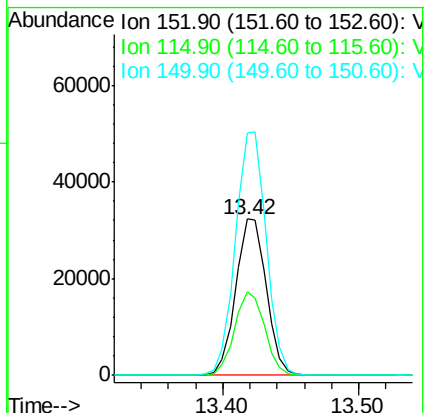
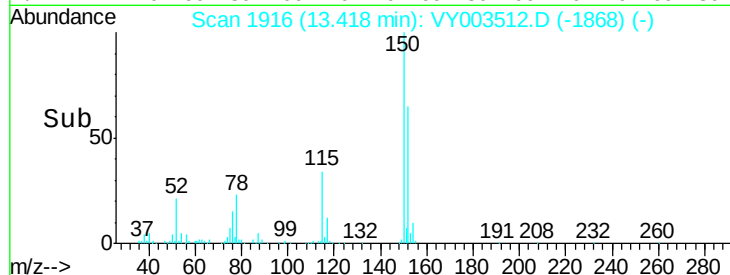
150 156.9 0.0 345.8



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: 39.405 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003512.D

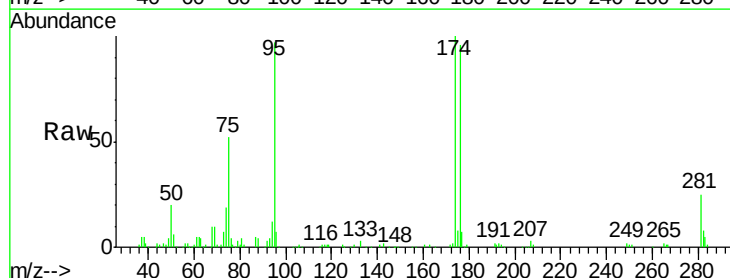
Acq: 04 Nov 2020 17:03

Tgt Ion: 75 Resp: 21077

Ion Ratio Lower Upper

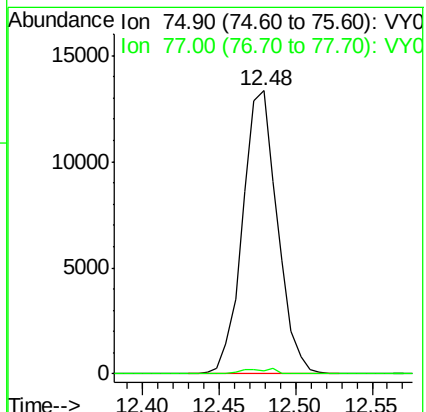
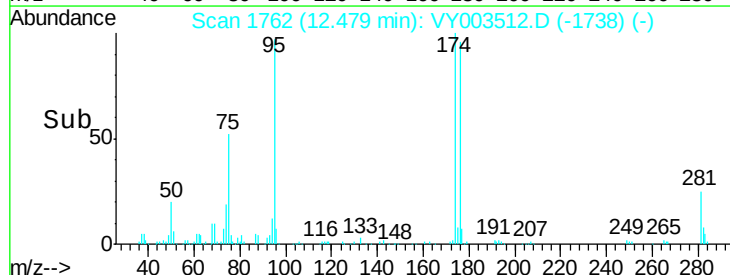
75 100

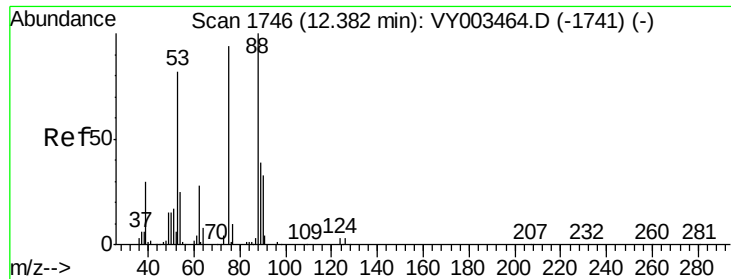
77 1.5 0.0 0.0#



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: 82.246 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003512.D

Acq: 04 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

DB-3

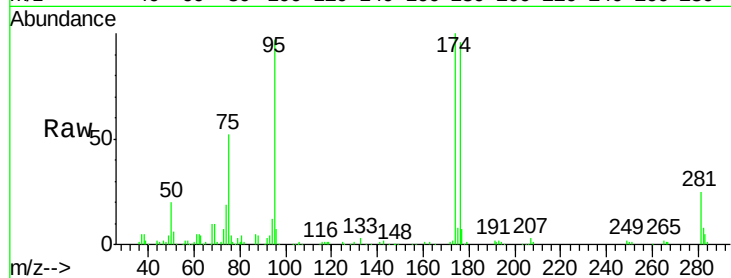
Tot Ion: 75 Resp: 21077

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 35.8 53.8#



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

